TRIMATRIX LABORATORIES

SECTION - H

INORGANIC - METALS

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Individual sample results relate only to the sample tested.

STATEMENT OF DATA QUALIFICATIONS

Total Metals by EPA 6000/7000 Series Methods

Qualification: The analyte concentration in the associated MB was greater than the MDL but less than the RL. The positive sample result, which was less than 5 times the MB value, is considered estimated.

Analysis: USEPA-6020A

Sample/Analyte: 1204205-02 106089 Lead

Qualification: The analyte concentration in the associated MB was greater than the MDL but less than the RL. The positive sample result, which was greater than 5 times the MB value, is not considered estimated.

Analysis: USEPA-6020A

Sample/Analyte: 1204091-01 KAFB-003 Lead

TriMatrix Laboratories, Inc.

TechLaw

Project: KNM

SDG: KNM040512

USEPA-6010C

SAMPLE ID SUMMARY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

Client Sample Id:	Lab Sample Id:
KAFB-003	1204091-01
106042	1204205-01
106089	1204205-02
106058	1204329-01
106053	1204454-01
106054	1204454-02

INORGANIC ANALYSIS DATA SHEET

USEPA-6010C

KAFB-003

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/04/12 13:31
Solids: 0.00
QC Batch: 1204543

SDG: KNM040512
Project: KNM
Laboratory ID: 1204091-01
Prepared: 04/13/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7440-70-2	Calcium, Total	1	40	mg/L	0.23	0.50		04/16/12 08:33
7439-95-4	Magnesium, Total	1	5.3	mg/L	0.14	0.50		04/16/12 08:33
7440-09-7	Potassium, Total	1	2.2	mg/L	0.033	0.10		04/16/12 08:33
7440-23-5	Sodium, Total	1	24	mg/L	0.13	0.50		04/16/12 08:33

INORGANIC ANALYSIS DATA SHEET
USEPA-6010C

KAFB-003

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/04/12 13:31
Solids: 0.00
QC Batch: 1204557

SDG: KNM040512
Project: KNM
Laboratory ID: 1204091-01
Prepared: 04/12/12 09:00
Preparation: General Metals Prep
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7439-89-6	Iron, Dissolved	1	20	ug/L	6.5	20	U	04/13/12 07:57
7439-96-5	Manganese, Dissolved	1	20	ug/L	2.8	20	U	04/13/12 07:57

INORGANIC ANALYSIS DATA SHEET

USEPA-6010C

106042

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/10/12 13:48
Solids: 0.00
QC Batch: 1204543

SDG: KNM040512
Project: KNM
Laboratory ID: 1204205-01
Prepared: 04/13/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7440-70-2	Calcium, Total	1	61	mg/L	0.23	0.50		04/16/12 08:50
7439-95-4	Magnesium, Total	1	8.4	mg/L	0.14	0.50		04/16/12 08:50
7440-09-7	Potassium, Total	1	3.3	mg/L	0.033	0.10		04/16/12 08:50
7440-23-5	Sodium, Total	1	30	mg/L	0.13	0.50		04/16/12 08:50

INORGANIC ANALYSIS DATA SHEET

USEPA-6010C

106042

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/10/12 13:48
Solids: 0.00
QC Batch: 1204557

SDG: KNM040512
Project: KNM
Laboratory ID: 1204205-01
Prepared: 04/12/12 09:00
Preparation: General Metals Prep
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7439-89-6	Iron, Dissolved	1	20	ug/L	6.5	20	U	04/13/12 08:13
7439-96-5	Manganese, Dissolved	1	20	ug/L	2.8	20	U	04/13/12 08:13

INORGANIC ANALYSIS DATA SHEET

USEPA-6010C

106089

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/10/12 14:45
Solids: 0.00
QC Batch: 1204543

SDG: KNM040512
Project: KNM
Laboratory ID: 1204205-02
Prepared: 04/13/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7440-70-2	Calcium, Total	1	39	mg/L	0.23	0.50		04/16/12 08:54
7439-95-4	Magnesium, Total	1	5.5	mg/L	0.14	0.50		04/16/12 08:54
7440-09-7	Potassium, Total	1	2.2	mg/L	0.033	0.10		04/16/12 08:54
7440-23-5	Sodium, Total	1	23	mg/L	0.13	0.50		04/16/12 08:54

INORGANIC ANALYSIS DATA SHEET

USEPA-6010C

106089

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/10/12 14:45
Solids: 0.00
QC Batch: 1204557

SDG: KNM040512
Project: KNM
Laboratory ID: 1204205-02
Prepared: 04/12/12 09:00
Preparation: General Metals Prep
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7439-89-6	Iron, Dissolved	1	20	ug/L	6.5	20	U	04/13/12 08:17
7439-96-5	Manganese, Dissolved	1	20	ug/L	2.8	20	U	04/13/12 08:17

INORGANIC ANALYSIS DATA SHEET

USEPA-6010C

106058

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/17/12 12:31
Solids: 0.00
QC Batch: 1205036

SDG: KNM040512
Project: KNM
Laboratory ID: 1204329-01
Prepared: 04/24/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7440-70-2	Calcium, Total	1	34	mg/L	0.23	0.50		04/25/12 08:24
7439-95-4	Magnesium, Total	1	5.0	mg/L	0.14	0.50		04/25/12 08:24
7440-09-7	Potassium, Total	1	2.2	mg/L	0.033	0.10		04/25/12 08:24
7440-23-5	Sodium, Total	1	23	mg/L	0.13	0.50		04/25/12 08:24

INORGANIC ANALYSIS DATA SHEET

USEPA-6010C

106058

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/17/12 12:31
Solids: 0.00
QC Batch: 1205037

SDG: KNM040512
Project: KNM
Laboratory ID: 1204329-01
Prepared: 04/24/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7439-89-6	Iron, Dissolved	1	10	ug/L	6.5	10	U	04/25/12 08:52
7439-96-5	Manganese, Dissolved	1	20	ug/L	2.8	20	U	04/25/12 08:52

INORGANIC ANALYSIS DATA SHEET
USEPA-6010C

106053

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/24/12 10:20
Solids: 0.00
QC Batch: 1205292

SDG: KNM040512
Project: KNM
Laboratory ID: 1204454-01
Prepared: 04/30/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7440-70-2	Calcium, Total	1	43	mg/L	0.23	0.50		05/07/12 12:44
7439-95-4	Magnesium, Total	1	6.2	mg/L	0.14	0.50		05/07/12 12:44
7440-09-7	Potassium, Total	1	2.6	mg/L	0.033	0.10		05/07/12 12:44
7440-23-5	Sodium, Total	1	23	mg/L	0.13	0.50		05/07/12 12:44

INORGANIC ANALYSIS DATA SHEET

USEPA-6010C

106053

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/24/12 10:20
Solids: 0.00
QC Batch: 1205293

SDG: KNM040512
Project: KNM
Laboratory ID: 1204454-01
Prepared: 04/30/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7439-96-5	Manganese, Dissolved	1	2.9	ug/L	2.8	20	J	05/07/12 13:18

INORGANIC ANALYSIS DATA SHEET
USEPA-6010C

106053

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/24/12 10:20
Solids: 0.00
QC Batch: 1205737

SDG: KNM040512
Project: KNM
Laboratory ID: 1204454-01
Prepared: 05/08/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7439-89-6	Iron, Dissolved	1	19	ug/L	6.5	10		05/09/12 08:10

INORGANIC ANALYSIS DATA SHEET
USEPA-6010C

106054

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/24/12 13:30
Solids: 0.00
QC Batch: 1205292

SDG: KNM040512
Project: KNM
Laboratory ID: 1204454-02
Prepared: 04/30/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7440-70-2	Calcium, Total	1	45	mg/L	0.23	0.50		05/07/12 13:01
7439-95-4	Magnesium, Total	1	6.4	mg/L	0.14	0.50		05/07/12 13:01
7440-09-7	Potassium, Total	1	2.5	mg/L	0.033	0.10		05/07/12 13:01
7440-23-5	Sodium, Total	1	23	mg/L	0.13	0.50		05/07/12 13:01

INORGANIC ANALYSIS DATA SHEET
USEPA-6010C

106054

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/24/12 13:30
Solids: 0.00
QC Batch: 1205293

SDG: KNM040512
Project: KNM
Laboratory ID: 1204454-02
Prepared: 04/30/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7439-96-5	Manganese, Dissolved	1	3.3	ug/L	2.8	20	J	05/07/12 13:35

INORGANIC ANALYSIS DATA SHEET

USEPA-6010C

106054

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/24/12 13:30
Solids: 0.00
QC Batch: 1205737

SDG: KNM040512
Project: KNM
Laboratory ID: 1204454-02
Prepared: 05/08/12 07:00
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7439-89-6	Iron, Dissolved	1	34	ug/L	6.5	10		05/09/12 08:27

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2D13001

SDG: KNM040512
Project: KNM
Calibration: 2D13008
Instrument: 311

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D13001-CAL1	2D13001-001	04/13/12 06:47
Cal Standard	2D13001-CAL2	2D13001-002	04/13/12 06:51
Cal Standard	2D13001-CAL3	2D13001-003	04/13/12 06:55
Cal Standard	2D13001-CAL4	2D13001-004	04/13/12 06:59
Cal Standard	2D13001-CAL5	2D13001-005	04/13/12 07:03
Secondary Cal Check	2D13001-SCV1	2D13001-006	04/13/12 07:07
Calibration Check	2D13001-CCV1	2D13001-006	04/13/12 07:07
LCS	1204557-BS1	2D13001-006	04/13/12 07:07
Calibration Blank	2D13001-CCB1	2D13001-007	04/13/12 07:11
Blank	1204557-BLK1	2D13001-007	04/13/12 07:11
Instrument RL Check	2D13001-CRL1	2D13001-008	04/13/12 07:15
Interference Check A	2D13001-IFA1	2D13001-009	04/13/12 07:19
Interference Check A	2D13001-IFA2	2D13001-010	04/13/12 07:26
Interference Check B	2D13001-IFB1	2D13001-011	04/13/12 07:34
Interference Check B	2D13001-IFB2	2D13001-012	04/13/12 07:41
Calibration Check	2D13001-CCV2	2D13001-013	04/13/12 07:49
Calibration Blank	2D13001-CCB2	2D13001-014	04/13/12 07:53
KAFB-003	1204091-01	2D13001-015	04/13/12 07:57
KAFB-003	1204091-01	2D13001-015	04/13/12 07:57
KAFB-003	1204557-MS1	2D13001-016	04/13/12 08:01
KAFB-003	1204557-MSD1	2D13001-017	04/13/12 08:05
KAFB-003	2D13001-SRD1	2D13001-018	04/13/12 08:09
106042	1204205-01	2D13001-019	04/13/12 08:13
106042	1204205-01	2D13001-019	04/13/12 08:13
106089	1204205-02	2D13001-020	04/13/12 08:17
106089	1204205-02	2D13001-020	04/13/12 08:17
Calibration Check	2D13001-CCV3	2D13001-021	04/13/12 08:21
Calibration Blank	2D13001-CCB3	2D13001-022	04/13/12 08:25

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2D16001

SDG: KNM040512
Project: KNM
Calibration: 2D16006
Instrument: 116

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D16001-CAL1	2D16001-001	04/16/12 07:28
Cal Standard	2D16001-CAL2	2D16001-002	04/16/12 07:31
Cal Standard	2D16001-CAL3	2D16001-003	04/16/12 07:34
Cal Standard	2D16001-CAL4	2D16001-004	04/16/12 07:37
Cal Standard	2D16001-CAL5	2D16001-005	04/16/12 07:41
Secondary Cal Check	2D16001-SCV1	2D16001-006	04/16/12 07:44
Calibration Check	2D16001-CCV1	2D16001-006	04/16/12 07:44
Calibration Blank	2D16001-CCB1	2D16001-007	04/16/12 07:48
Instrument RL Check	2D16001-CRL1	2D16001-008	04/16/12 07:51
Interference Check A	2D16001-IFA1	2D16001-009	04/16/12 07:54
Interference Check A	2D16001-IFA2	2D16001-010	04/16/12 08:00
Interference Check B	2D16001-IFB1	2D16001-011	04/16/12 08:07
Interference Check B	2D16001-IFB2	2D16001-012	04/16/12 08:13
Calibration Check	2D16001-CCV2	2D16001-013	04/16/12 08:20
Calibration Blank	2D16001-CCB2	2D16001-014	04/16/12 08:23
Blank	1204543-BLK1	2D16001-015	04/16/12 08:27
LCS	1204543-BS1	2D16001-016	04/16/12 08:30
KAFB-003	1204091-01	2D16001-017	04/16/12 08:33
KAFB-003	1204091-01	2D16001-017	04/16/12 08:33
KAFB-003	1204091-01	2D16001-017	04/16/12 08:33
KAFB-003	1204091-01	2D16001-017	04/16/12 08:33
KAFB-003	1204543-MS1	2D16001-018	04/16/12 08:37
KAFB-003	1204543-MSD1	2D16001-019	04/16/12 08:40
KAFB-003	2D16001-SRD1	2D16001-020	04/16/12 08:44
KAFB-003	1204543-PS1	2D16001-021	04/16/12 08:47
106042	1204205-01	2D16001-022	04/16/12 08:50
106042	1204205-01	2D16001-022	04/16/12 08:50
106042	1204205-01	2D16001-022	04/16/12 08:50
106042	1204205-01	2D16001-022	04/16/12 08:50
106089	1204205-02	2D16001-023	04/16/12 08:54
106089	1204205-02	2D16001-023	04/16/12 08:54
106089	1204205-02	2D16001-023	04/16/12 08:54

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D16001

SDG: KNM040512

Project: KNM

Calibration: 2D16006

Instrument: 116

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
106089	1204205-02	2D16001-023	04/16/12 08:54
Calibration Check	2D16001-CCV3	2D16001-024	04/16/12 08:57
Calibration Blank	2D16001-CCB3	2D16001-025	04/16/12 09:01

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2D25001

SDG: KNM040512
Project: KNM
Calibration: 2D26004
Instrument: 311

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D25001-CAL1	2D25001-001	04/25/12 07:06
Cal Standard	2D25001-CAL2	2D25001-002	04/25/12 07:10
Cal Standard	2D25001-CAL3	2D25001-003	04/25/12 07:14
Cal Standard	2D25001-CAL4	2D25001-004	04/25/12 07:18
Cal Standard	2D25001-CAL5	2D25001-005	04/25/12 07:22
Secondary Cal Check	2D25001-SCV1	2D25001-006	04/25/12 07:26
Calibration Check	2D25001-CCV1	2D25001-006	04/25/12 07:26
Calibration Blank	2D25001-CCB1	2D25001-007	04/25/12 07:30
Instrument RL Check	2D25001-CRL1	2D25001-008	04/25/12 07:34
Interference Check A	2D25001-IFA1	2D25001-009	04/25/12 07:38
Interference Check A	2D25001-IFA2	2D25001-010	04/25/12 07:45
Interference Check B	2D25001-IFB1	2D25001-011	04/25/12 07:53
Interference Check B	2D25001-IFB2	2D25001-012	04/25/12 08:00
Calibration Check	2D25001-CCV2	2D25001-013	04/25/12 08:08
Calibration Blank	2D25001-CCB2	2D25001-014	04/25/12 08:12
Blank	1205036-BLK1	2D25001-015	04/25/12 08:16
LCS	1205036-BS1	2D25001-016	04/25/12 08:20
106058	1204329-01	2D25001-017	04/25/12 08:24
106058	1204329-01	2D25001-017	04/25/12 08:24
106058	1204329-01	2D25001-017	04/25/12 08:24
106058	1204329-01	2D25001-017	04/25/12 08:24
106058	1205036-MS1	2D25001-018	04/25/12 08:28
106058	1205036-MSD1	2D25001-019	04/25/12 08:32
106058	2D25001-SRD1	2D25001-020	04/25/12 08:36
106058	1205036-PS1	2D25001-021	04/25/12 08:40
Blank	1205037-BLK1	2D25001-022	04/25/12 08:44
LCS	1205037-BS1	2D25001-023	04/25/12 08:48
106058	1204329-01	2D25001-024	04/25/12 08:52
106058	1204329-01	2D25001-024	04/25/12 08:52
Calibration Check	2D25001-CCV3	2D25001-025	04/25/12 08:56
Calibration Blank	2D25001-CCB3	2D25001-026	04/25/12 09:00
106058	1205037-MS1	2D25001-027	04/25/12 09:04

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D25001

SDG: KNM040512

Project: KNM

Calibration: 2D26004

Instrument: 311

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
106058	1205037-MSD1	2D25001-028	04/25/12 09:08
106058	2D25001-SRD2	2D25001-029	04/25/12 09:12
106058	1205037-PS1	2D25001-030	04/25/12 09:16
Calibration Check	2D25001-CCV4	2D25001-031	04/25/12 09:20
Calibration Blank	2D25001-CCB4	2D25001-032	04/25/12 09:24

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2E07042

SDG: KNM040512
Project: KNM
Calibration: 2E07013
Instrument: 116

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E07042-CAL1	2E07042-001	05/07/12 11:38
Cal Standard	2E07042-CAL2	2E07042-002	05/07/12 11:42
Cal Standard	2E07042-CAL3	2E07042-003	05/07/12 11:45
Cal Standard	2E07042-CAL4	2E07042-004	05/07/12 11:48
Cal Standard	2E07042-CAL5	2E07042-005	05/07/12 11:51
Secondary Cal Check	2E07042-SCV1	2E07042-006	05/07/12 11:55
Calibration Check	2E07042-CCV1	2E07042-006	05/07/12 11:55
Calibration Blank	2E07042-CCB1	2E07042-007	05/07/12 11:58
Instrument RL Check	2E07042-CRL1	2E07042-008	05/07/12 12:02
Interference Check A	2E07042-IFA1	2E07042-009	05/07/12 12:05
Interference Check A	2E07042-IFA2	2E07042-010	05/07/12 12:11
Interference Check B	2E07042-IFB1	2E07042-011	05/07/12 12:18
Interference Check B	2E07042-IFB2	2E07042-012	05/07/12 12:24
Calibration Check	2E07042-CCV2	2E07042-013	05/07/12 12:31
Calibration Blank	2E07042-CCB2	2E07042-014	05/07/12 12:35
Blank	1205292-BLK1	2E07042-015	05/07/12 12:38
LCS	1205292-BS1	2E07042-016	05/07/12 12:41
106053	1204454-01	2E07042-017	05/07/12 12:44
106053	1204454-01	2E07042-017	05/07/12 12:44
106053	1204454-01	2E07042-017	05/07/12 12:44
106053	1204454-01	2E07042-017	05/07/12 12:44
106053	1205292-MS1	2E07042-018	05/07/12 12:48
106053	1205292-MSD1	2E07042-019	05/07/12 12:51
106053	2E07042-SRD1	2E07042-020	05/07/12 12:55
106053	1205292-PS1	2E07042-021	05/07/12 12:58
106054	1204454-02	2E07042-022	05/07/12 13:01
106054	1204454-02	2E07042-022	05/07/12 13:01
106054	1204454-02	2E07042-022	05/07/12 13:01
106054	1204454-02	2E07042-022	05/07/12 13:01
Blank	1205293-BLK1	2E07042-023	05/07/12 13:05
LCS	1205293-BS1	2E07042-024	05/07/12 13:08
Calibration Check	2E07042-CCV3	2E07042-025	05/07/12 13:11

ANALYSIS BATCH (SEQUENCE) SUMMARY
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2E07042

SDG: KNM040512
Project: KNM
Calibration: 2E07013
Instrument: 116

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2E07042-CCB3	2E07042-026	05/07/12 13:15
106053	1204454-01	2E07042-027	05/07/12 13:18
106053	1205293-MS1	2E07042-028	05/07/12 13:21
106053	1205293-MSD1	2E07042-029	05/07/12 13:25
106053	2E07042-SRD2	2E07042-030	05/07/12 13:28
106053	1205293-PS1	2E07042-031	05/07/12 13:32
106054	1204454-02	2E07042-032	05/07/12 13:35
Calibration Check	2E07042-CCV4	2E07042-033	05/07/12 13:38
Calibration Blank	2E07042-CCB4	2E07042-034	05/07/12 13:43

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2E09002

SDG: KNM040512
Project: KNM
Calibration: 2E09001
Instrument: 116

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E09002-CAL1	2E09002-001	05/09/12 07:04
Cal Standard	2E09002-CAL2	2E09002-002	05/09/12 07:07
Cal Standard	2E09002-CAL3	2E09002-003	05/09/12 07:11
Cal Standard	2E09002-CAL4	2E09002-004	05/09/12 07:14
Cal Standard	2E09002-CAL5	2E09002-005	05/09/12 07:17
Secondary Cal Check	2E09002-SCV1	2E09002-006	05/09/12 07:21
Calibration Check	2E09002-CCV1	2E09002-006	05/09/12 07:21
Calibration Blank	2E09002-CCB1	2E09002-007	05/09/12 07:24
Instrument RL Check	2E09002-CRL1	2E09002-008	05/09/12 07:27
Interference Check A	2E09002-IFA1	2E09002-009	05/09/12 07:31
Interference Check A	2E09002-IFA2	2E09002-010	05/09/12 07:37
Interference Check B	2E09002-IFB1	2E09002-011	05/09/12 07:44
Calibration Check	2E09002-CCV2	2E09002-013	05/09/12 07:57
Calibration Blank	2E09002-CCB2	2E09002-014	05/09/12 08:00
Blank	1205737-BLK1	2E09002-015	05/09/12 08:04
LCS	1205737-BS1	2E09002-016	05/09/12 08:07
106053	1204454-01	2E09002-017	05/09/12 08:10
106053	1205737-MS1	2E09002-018	05/09/12 08:13
106053	1205737-MSD1	2E09002-019	05/09/12 08:17
106053	2E09002-SRD1	2E09002-020	05/09/12 08:20
106053	1205737-PS1	2E09002-021	05/09/12 08:24
106054	1204454-02	2E09002-022	05/09/12 08:27
Calibration Check	2E09002-CCV3	2E09002-023	05/09/12 08:30
Calibration Blank	2E09002-CCB3	2E09002-024	05/09/12 08:34

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2D13001
Calibration: 2D13008
Control Limt: +/- 10.00%
Instrument ID: 311

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
2D13001-CCV1	Iron	500	504	101	ug/L	04/13/12 07:07
	Manganese	500	497	99	ug/L	04/13/12 07:07
2D13001-CCV2	Iron	500	490	98	ug/L	04/13/12 07:49
	Manganese	500	491	98	ug/L	04/13/12 07:49
2D13001-CCV3	Iron	500	487	97	ug/L	04/13/12 08:21
	Manganese	500	488	98	ug/L	04/13/12 08:21

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2D16001
Calibration: 2D16006
Control Limt: +/- 10.00%
Instrument ID: 116

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
2D16001-CCV1	Calcium	5.00	4.79	96	mg/L	04/16/12 07:44
	Magnesium	5.00	4.82	96	mg/L	04/16/12 07:44
	Potassium	5.00	4.76	95	mg/L	04/16/12 07:44
	Sodium	5.00	4.82	96	mg/L	04/16/12 07:44
2D16001-CCV2	Calcium	5.00	4.90	98	mg/L	04/16/12 08:20
	Magnesium	5.00	4.91	98	mg/L	04/16/12 08:20
	Potassium	5.00	4.92	98	mg/L	04/16/12 08:20
	Sodium	5.00	4.95	99	mg/L	04/16/12 08:20
2D16001-CCV3	Calcium	5.00	4.90	98	mg/L	04/16/12 08:57
	Magnesium	5.00	4.90	98	mg/L	04/16/12 08:57
	Potassium	5.00	4.85	97	mg/L	04/16/12 08:57
	Sodium	5.00	4.97	99	mg/L	04/16/12 08:57

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2D25001
Calibration: 2D26004
Control Limt: +/- 10.00%
Instrument ID: 311

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
2D25001-CCV1	Calcium	5.00	4.79	96	mg/L	04/25/12 07:26
	Iron	500	495	99	ug/L	04/25/12 07:26
	Magnesium	5.00	4.86	97	mg/L	04/25/12 07:26
	Manganese	500	485	97	ug/L	04/25/12 07:26
	Potassium	5.00	4.84	97	mg/L	04/25/12 07:26
	Sodium	5.00	4.89	98	mg/L	04/25/12 07:26
2D25001-CCV2	Calcium	5.00	4.80	96	mg/L	04/25/12 08:08
	Iron	500	486	97	ug/L	04/25/12 08:08
	Magnesium	5.00	4.89	98	mg/L	04/25/12 08:08
	Manganese	500	482	96	ug/L	04/25/12 08:08
	Potassium	5.00	4.89	98	mg/L	04/25/12 08:08
	Sodium	5.00	4.90	98	mg/L	04/25/12 08:08
2D25001-CCV3	Calcium	5.00	4.84	97	mg/L	04/25/12 08:56
	Iron	500	489	98	ug/L	04/25/12 08:56
	Magnesium	5.00	4.96	99	mg/L	04/25/12 08:56
	Manganese	500	486	97	ug/L	04/25/12 08:56
	Potassium	5.00	4.88	98	mg/L	04/25/12 08:56
	Sodium	5.00	4.98	100	mg/L	04/25/12 08:56
2D25001-CCV4	Calcium	5.00	4.82	96	mg/L	04/25/12 09:20
	Iron	500	485	97	ug/L	04/25/12 09:20
	Magnesium	5.00	4.89	98	mg/L	04/25/12 09:20
	Manganese	500	485	97	ug/L	04/25/12 09:20
	Potassium	5.00	4.90	98	mg/L	04/25/12 09:20
	Sodium	5.00	4.92	98	mg/L	04/25/12 09:20

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2E07042
Calibration: 2E07013
Control Limt: +/- 10.00%
Instrument ID: 116

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
2E07042-CCV1	Calcium	5.00	4.84	97	mg/L	05/07/12 11:55
	Magnesium	5.00	4.90	98	mg/L	05/07/12 11:55
	Manganese	500	493	99	ug/L	05/07/12 11:55
	Potassium	5.00	4.86	97	mg/L	05/07/12 11:55
	Sodium	5.00	4.93	99	mg/L	05/07/12 11:55
2E07042-CCV2	Calcium	5.00	5.04	101	mg/L	05/07/12 12:31
	Magnesium	5.00	5.04	101	mg/L	05/07/12 12:31
	Manganese	500	506	101	ug/L	05/07/12 12:31
	Potassium	5.00	5.05	101	mg/L	05/07/12 12:31
	Sodium	5.00	5.02	100	mg/L	05/07/12 12:31
2E07042-CCV3	Calcium	5.00	4.97	99	mg/L	05/07/12 13:11
	Magnesium	5.00	4.97	99	mg/L	05/07/12 13:11
	Manganese	500	499	100	ug/L	05/07/12 13:11
	Potassium	5.00	4.97	99	mg/L	05/07/12 13:11
	Sodium	5.00	4.97	99	mg/L	05/07/12 13:11
2E07042-CCV4	Manganese	500	496	99	ug/L	05/07/12 13:38

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2E09002
Calibration: 2E09001
Control Limt: +/- 10.00%
Instrument ID: 116

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
2E09002-CCV1	Iron	500	507	101	ug/L	05/09/12 07:21
2E09002-CCV2	Iron	500	499	100	ug/L	05/09/12 07:57
2E09002-CCV3	Iron	500	502	100	ug/L	05/09/12 08:30

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2D13001-SCV1
Instrument: 311
Sequence: 2D13001
Calibration: 2D13008

Analyte	Expected	Found	% R	QC Limit	Units
Iron	500	504	101	90-110	ug/L
Manganese	500	497	99	90-110	ug/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2D16001-SCV1
Instrument: 116
Sequence: 2D16001
Calibration: 2D16006

Analyte	Expected	Found	% R	QC Limit	Units
Calcium	5.00	4.79	96	90-110	mg/L
Magnesium	5.00	4.82	96	90-110	mg/L
Potassium	5.00	4.76	95	90-110	mg/L
Sodium	5.00	4.82	96	90-110	mg/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2D25001-SCV1
Instrument: 311
Sequence: 2D25001
Calibration: 2D26004

Analyte	Expected	Found	% R	QC Limit	Units
Calcium	5.00	4.79	96	90-110	mg/L
Iron	500	495	99	90-110	ug/L
Magnesium	5.00	4.86	97	90-110	mg/L
Manganese	500	485	97	90-110	ug/L
Potassium	5.00	4.84	97	90-110	mg/L
Sodium	5.00	4.89	98	90-110	mg/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2E07042-SCV1
Instrument: 116
Sequence: 2E07042
Calibration: 2E07013

Analyte	Expected	Found	% R	QC Limit	Units
Calcium	5.00	4.84	97	90-110	mg/L
Magnesium	5.00	4.90	98	90-110	mg/L
Manganese	500	493	99	90-110	ug/L
Potassium	5.00	4.86	97	90-110	mg/L
Sodium	5.00	4.93	99	90-110	mg/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2E09002-SCV1
Instrument: 116
Sequence: 2E09002
Calibration: 2E09001

Analyte	Expected	Found	% R	QC Limit	Units
Iron	500	507	101	90-110	ug/L

* Values outside of QC limits

CRDL STANDARD

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D13001

SDG: KNM040512

Project: KNM

Calibration: 2D13008

Instrument ID: 311

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2D13001-CRL1	Iron	20.0	22.2	111	ug/L	50 - 150
	Manganese	20.0	20.7	103	ug/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D16001

SDG: KNM040512

Project: KNM

Calibration: 2D16006

Instrument ID: 116

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2D16001-CRL1	Calcium	1.00	1.10	110	mg/L	50 - 150
	Magnesium	1.00	0.996	100	mg/L	50 - 150
	Potassium	0.200	0.196	98	mg/L	50 - 150
	Sodium	1.00	1.01	101	mg/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

Sequence: 2D25001

Calibration: 2D26004

Instrument ID: 311

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2D25001-CRL1	Calcium	1.00	1.01	101	mg/L	50 - 150
	Iron	20.0	22.3	112	ug/L	50 - 150
	Magnesium	1.00	0.978	98	mg/L	50 - 150
	Manganese	20.0	20.9	105	ug/L	50 - 150
	Potassium	0.200	0.221	111	mg/L	50 - 150
	Sodium	1.00	0.984	98	mg/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E07042

SDG: KNM040512

Project: KNM

Calibration: 2E07013

Instrument ID: 116

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E07042-CRL1	Calcium	1.00	0.958	96	mg/L	50 - 150
	Magnesium	1.00	0.986	99	mg/L	50 - 150
	Manganese	20.0	21.3	107	ug/L	50 - 150
	Potassium	0.200	0.205	102	mg/L	50 - 150
	Sodium	1.00	0.976	98	mg/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E09002

SDG: KNM040512

Project: KNM

Calibration: 2E09001

Instrument ID: 116

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E09002-CRL1	Iron	20.0	16.6	83	ug/L	50 - 150

* Values outside of QC limits

BLANKS
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2D13001
Calibration: 2D13008
Instrument ID: 311

Lab Sample ID	Analyte	Found	Unit	MDL	MRL	C	Analyzed
2D13001-CCB1	Iron	0.71	ug/L	6.5	10	U	04/13/12 07:11
	Manganese	-0.61	ug/L	2.8	20	U	04/13/12 07:11
2D13001-CCB2	Iron	2.7	ug/L	6.5	10	U	04/13/12 07:53
	Manganese	-0.32	ug/L	2.8	20	U	04/13/12 07:53
2D13001-CCB3	Iron	1.1	ug/L	6.5	10	U	04/13/12 08:25
	Manganese	-0.58	ug/L	2.8	20	U	04/13/12 08:25

* Values outside of QC limits

BLANKS
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2D16001
Calibration: 2D16006
Instrument ID: 116

Lab Sample ID	Analyte	Found	Unit	MDL	MRL	C	Analyzed
2D16001-CCB1	Calcium	-0.012	mg/L	0.23	0.50	U	04/16/12 07:48
	Magnesium	0.014	mg/L	0.14	0.50	U	04/16/12 07:48
	Potassium	-0.014	mg/L	0.033	0.10	U	04/16/12 07:48
	Sodium	0.011	mg/L	0.13	0.50	U	04/16/12 07:48
2D16001-CCB2	Calcium	-0.0096	mg/L	0.23	0.50	U	04/16/12 08:23
	Magnesium	0.0072	mg/L	0.14	0.50	U	04/16/12 08:23
	Potassium	0.012	mg/L	0.033	0.10	U	04/16/12 08:23
	Sodium	0.019	mg/L	0.13	0.50	U	04/16/12 08:23
2D16001-CCB3	Calcium	-0.0053	mg/L	0.23	0.50	U	04/16/12 09:01
	Magnesium	0.016	mg/L	0.14	0.50	U	04/16/12 09:01
	Potassium	-0.013	mg/L	0.033	0.10	U	04/16/12 09:01
	Sodium	0.015	mg/L	0.13	0.50	U	04/16/12 09:01

* Values outside of QC limits

BLANKS
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2D25001

SDG: KNM040512
Project: KNM
Calibration: 2D26004
Instrument ID: 311

Lab Sample ID	Analyte	Found	Unit	MDL	MRL	C	Analyzed
2D25001-CCB1	Calcium	0.010	mg/L	0.23	0.50	U	04/25/12 07:30
	Iron	1.3	ug/L	6.5	10	U	04/25/12 07:30
	Magnesium	0.014	mg/L	0.14	0.50	U	04/25/12 07:30
	Manganese	1.6	ug/L	2.8	20	U	04/25/12 07:30
	Potassium	0.033	mg/L	0.033	0.10	U	04/25/12 07:30
	Sodium	0.015	mg/L	0.13	0.50	U	04/25/12 07:30
2D25001-CCB2	Calcium	0.014	mg/L	0.23	0.50	U	04/25/12 08:12
	Iron	3.1	ug/L	6.5	10	U	04/25/12 08:12
	Magnesium	0.020	mg/L	0.14	0.50	U	04/25/12 08:12
	Manganese	2.8	ug/L	2.8	20	J	04/25/12 08:12
	Potassium	0.0059	mg/L	0.033	0.10	U	04/25/12 08:12
	Sodium	0.010	mg/L	0.13	0.50	U	04/25/12 08:12
2D25001-CCB3	Calcium	0.011	mg/L	0.23	0.50	U	04/25/12 09:00
	Iron	2.3	ug/L	6.5	10	U	04/25/12 09:00
	Magnesium	0.015	mg/L	0.14	0.50	U	04/25/12 09:00
	Manganese	1.6	ug/L	2.8	20	U	04/25/12 09:00
	Potassium	0.027	mg/L	0.033	0.10	U	04/25/12 09:00
	Sodium	0.0087	mg/L	0.13	0.50	U	04/25/12 09:00
2D25001-CCB4	Calcium	0.014	mg/L	0.23	0.50	U	04/25/12 09:24
	Iron	2.9	ug/L	6.5	10	U	04/25/12 09:24
	Magnesium	0.020	mg/L	0.14	0.50	U	04/25/12 09:24
	Manganese	1.6	ug/L	2.8	20	U	04/25/12 09:24
	Potassium	0.012	mg/L	0.033	0.10	U	04/25/12 09:24
	Sodium	0.011	mg/L	0.13	0.50	U	04/25/12 09:24

* Values outside of QC limits

BLANKS
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2E07042
Calibration: 2E07013
Instrument ID: 116

Lab Sample ID	Analyte	Found	Unit	MDL	MRL	C	Analyzed
2E07042-CCB1	Calcium	-0.048	mg/L	0.23	0.50	U	05/07/12 11:58
	Magnesium	-0.0022	mg/L	0.14	0.50	U	05/07/12 11:58
	Manganese	1.9	ug/L	2.8	20	U	05/07/12 11:58
	Potassium	0.023	mg/L	0.033	0.10	U	05/07/12 11:58
	Sodium	-0.016	mg/L	0.13	0.50	U	05/07/12 11:58
2E07042-CCB2	Calcium	-0.046	mg/L	0.23	0.50	U	05/07/12 12:35
	Magnesium	-0.0031	mg/L	0.14	0.50	U	05/07/12 12:35
	Manganese	2.0	ug/L	2.8	20	U	05/07/12 12:35
	Potassium	0.010	mg/L	0.033	0.10	U	05/07/12 12:35
	Sodium	-0.018	mg/L	0.13	0.50	U	05/07/12 12:35
2E07042-CCB3	Calcium	-0.047	mg/L	0.23	0.50	U	05/07/12 13:15
	Magnesium	-0.0080	mg/L	0.14	0.50	U	05/07/12 13:15
	Manganese	1.7	ug/L	2.8	20	U	05/07/12 13:15
	Potassium	-0.0089	mg/L	0.033	0.10	U	05/07/12 13:15
	Sodium	-0.018	mg/L	0.13	0.50	U	05/07/12 13:15
2E07042-CCB4	Manganese	1.6	ug/L	2.8	20	U	05/07/12 13:43

* Values outside of QC limits

BLANKS
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2E09002
Calibration: 2E09001
Instrument ID: 116

Lab Sample ID	Analyte	Found	Unit	MDL	MRL	C	Analyzed
2E09002-CCB1	Iron	-3.0	ug/L	6.5	10	U	05/09/12 07:24
2E09002-CCB2	Iron	-3.6	ug/L	6.5	10	U	05/09/12 08:00
2E09002-CCB3	Iron	-3.8	ug/L	6.5	10	U	05/09/12 08:34

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

Sequence: 2D13001

Calibration: 2D13008

Instrument ID: 311

Lab Sample ID	Analyte	True	Found	%R	Units
2D13001-IFA1	Iron	40000	39600	99	ug/L
	Manganese	0.00	0.716		ug/L
2D13001-IFA2	Iron	0.00	11.8		ug/L
	Manganese	20000	19700	98	ug/L
2D13001-IFB1	Iron	40000	39000	97	ug/L
	Manganese	500	494	99	ug/L
2D13001-IFB2	Manganese	20000	19600	98	ug/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D16001

SDG: KNM040512

Project: KNM

Calibration: 2D16006

Instrument ID: 116

Lab Sample ID	Analyte	True	Found	%R	Units
2D16001-IFA1	Calcium	100	95.6	96	mg/L
	Magnesium	100	97.1	97	mg/L
	Potassium	0.00	-0.0181		mg/L
	Sodium	0.00	0.0339		mg/L
2D16001-IFA2	Calcium	0.00	0.00504		mg/L
	Magnesium	0.00	0.00383		mg/L
	Potassium	0.00	0.0130		mg/L
	Sodium	0.00	0.0279		mg/L
2D16001-IFB1	Calcium	100	93.7	94	mg/L
	Magnesium	100	95.2	95	mg/L
2D16001-IFB2	Calcium	5.00	4.96	99	mg/L
	Magnesium	5.00	4.96	99	mg/L
	Sodium	5.00	5.00	100	mg/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D25001

SDG: KNM040512

Project: KNM

Calibration: 2D26004

Instrument ID: 311

Lab Sample ID	Analyte	True	Found	%R	Units
2D25001-IFA1	Calcium	100	93.7	94	mg/L
	Iron	40000	38500	96	ug/L
	Magnesium	100	94.6	95	mg/L
	Manganese	0.00	2.74		ug/L
	Potassium	0.00	0.0336		mg/L
	Sodium	0.00	0.0272		mg/L
2D25001-IFA2	Calcium	0.00	0.0547		mg/L
	Iron	0.00	11.3		ug/L
	Magnesium	0.00	-0.0735		mg/L
	Manganese	20000	18800	94	ug/L
	Potassium	0.00	0.00331		mg/L
	Sodium	0.00	0.0324		mg/L
2D25001-IFB1	Calcium	100	93.1	93	mg/L
	Iron	40000	38300	96	ug/L
	Magnesium	100	94.5	95	mg/L
	Manganese	500	495	99	ug/L
2D25001-IFB2	Calcium	5.00	4.78	96	mg/L
	Magnesium	5.00	4.82	96	mg/L
	Manganese	20000	18700	94	ug/L
	Sodium	5.00	4.86	97	mg/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

Sequence: 2E07042

Calibration: 2E07013

Instrument ID: 116

Lab Sample ID	Analyte	True	Found	%R	Units
2E07042-IFA1	Calcium	100	97.8	98	mg/L
	Magnesium	100	99.5	100	mg/L
	Manganese	0.00	2.84		ug/L
	Potassium	0.00	0.00240		mg/L
	Sodium	0.00	0.00218		mg/L
2E07042-IFA2	Calcium	0.00	0.00974		mg/L
	Magnesium	0.00	-0.0182		mg/L
	Manganese	20000	20200	101	ug/L
	Potassium	0.00	0.0200		mg/L
	Sodium	0.00	0.0118		mg/L
2E07042-IFB1	Calcium	100	98.0	98	mg/L
	Magnesium	100	99.8	100	mg/L
	Manganese	500	509	102	ug/L
2E07042-IFB2	Calcium	5.00	5.17	103	mg/L
	Magnesium	5.00	5.13	103	mg/L
	Manganese	20000	20300	102	ug/L
	Sodium	5.00	5.12	102	mg/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E09002

SDG: KNM040512

Project: KNM

Calibration: 2E09001

Instrument ID: 116

Lab Sample ID	Analyte	True	Found	%R	Units
2E09002-IFA1	Iron	40000	39300	98	ug/L
2E09002-IFA2	Iron	0.00	-2.34		ug/L
2E09002-IFB1	Iron	40000	39100	98	ug/L

* Values outside of QC limits

QC BATCH SUMMARY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

QC Batch: 1204543 QC Batch Matrix: Water Preparation: 3010A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
KAFB-003	1204091-01	04/13/12 07:00	
106042	1204205-01	04/13/12 07:00	
106089	1204205-02	04/13/12 07:00	
Blank	1204543-BLK1	04/13/12 07:00	
LCS	1204543-BS1	04/13/12 07:00	
KAFB-003	1204543-MS1	04/13/12 07:00	
KAFB-003	1204543-MSD1	04/13/12 07:00	

QC BATCH SUMMARY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

QC Batch: 1204557 QC Batch Matrix: Water

Preparation: General Metals Prep

Sample Name	Lab Sample ID	Date Prepared	Observations
KAFB-003	1204091-01	04/12/12 09:00	NO DIGESTION NEEDED
106042	1204205-01	04/12/12 09:00	NO DIGESTION NEEDED
106089	1204205-02	04/12/12 09:00	NO DIGESTION NEEDED
Blank	1204557-BLK1	04/12/12 09:00	
LCS	1204557-BS1	04/12/12 09:00	
KAFB-003	1204557-MS1	04/12/12 09:00	
KAFB-003	1204557-MSD1	04/12/12 09:00	

QC BATCH SUMMARY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

QC Batch: 1205036 QC Batch Matrix: Water Preparation: 3010A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
106058	1204329-01	04/24/12 07:00	
Blank	1205036-BLK1	04/24/12 07:00	
LCS	1205036-BS1	04/24/12 07:00	
106058	1205036-MS1	04/24/12 07:00	
106058	1205036-MSD1	04/24/12 07:00	

QC BATCH SUMMARY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

QC Batch: 1205037 QC Batch Matrix: Water

Preparation: 3010A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
106058	1204329-01	04/24/12 07:00	
Blank	1205037-BLK1	04/24/12 07:00	
LCS	1205037-BS1	04/24/12 07:00	
106058	1205037-MS1	04/24/12 07:00	
106058	1205037-MSD1	04/24/12 07:00	

QC BATCH SUMMARY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

QC Batch: 1205292

QC Batch Matrix: Water

Preparation: 3010A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
106053	1204454-01	04/30/12 07:00	
106054	1204454-02	04/30/12 07:00	
Blank	1205292-BLK1	04/30/12 07:00	
LCS	1205292-BS1	04/30/12 07:00	
106053	1205292-MS1	04/30/12 07:00	
106053	1205292-MSD1	04/30/12 07:00	

QC BATCH SUMMARY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

QC Batch: 1205293

QC Batch Matrix: Water

Preparation: 3010A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
106053	1204454-01	04/30/12 07:00	
106054	1204454-02	04/30/12 07:00	
Blank	1205293-BLK1	04/30/12 07:00	
LCS	1205293-BS1	04/30/12 07:00	
106053	1205293-MS1	04/30/12 07:00	
106053	1205293-MSD1	04/30/12 07:00	

QC BATCH SUMMARY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

QC Batch: 1205737 QC Batch Matrix: Water

Preparation: 3010A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
106053	1204454-01	05/08/12 07:00	
106054	1204454-02	05/08/12 07:00	
Blank	1205737-BLK1	05/08/12 07:00	
LCS	1205737-BS1	05/08/12 07:00	
106053	1205737-MS1	05/08/12 07:00	
106053	1205737-MSD1	05/08/12 07:00	

METHOD BLANK DATA SHEET
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1204543-BLK1
File ID: 2D16001-015
Prepared: 04/13/12 07:00
Analyzed: 04/16/12 08:27
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1204543
Sequence: 2D16001
Calibration: 2D16006
Instrument: 116

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
7440-70-2	Calcium, Total	0.50	mg/L	0.23	0.50	U
7439-95-4	Magnesium, Total	0.50	mg/L	0.14	0.50	U
7440-09-7	Potassium, Total	0.10	mg/L	0.033	0.10	U
7440-23-5	Sodium, Total	0.50	mg/L	0.13	0.50	U

METHOD BLANK DATA SHEET
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1204557-BLK1
File ID: 2D13001-007
Prepared: 04/12/12 09:00
Analyzed: 04/13/12 07:11
Preparation: General Metals Prep
Initial/Final: 10 mL / 10 mL
QC Batch: 1204557
Sequence: 2D13001
Calibration: 2D13008
Instrument: 311

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
7439-89-6	Iron, Dissolved	20	ug/L	6.5	20	U
7439-96-5	Manganese, Dissolved	20	ug/L	2.8	20	U

METHOD BLANK DATA SHEET
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1205036-BLK1
File ID: 2D25001-015
Prepared: 04/24/12 07:00
Analyzed: 04/25/12 08:16
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1205036
Sequence: 2D25001
Calibration: 2D26004
Instrument: 311

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
7440-70-2	Calcium, Total	0.50	mg/L	0.23	0.50	U
7439-95-4	Magnesium, Total	0.50	mg/L	0.14	0.50	U
7440-09-7	Potassium, Total	0.10	mg/L	0.033	0.10	U
7440-23-5	Sodium, Total	0.50	mg/L	0.13	0.50	U

METHOD BLANK DATA SHEET
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1205037-BLK1
File ID: 2D25001-022
Prepared: 04/24/12 07:00
Analyzed: 04/25/12 08:44
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1205037
Sequence: 2D25001
Calibration: 2D26004
Instrument: 311

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
7439-89-6	Iron, Dissolved	10	ug/L	6.5	10	U
7439-96-5	Manganese, Dissolved	20	ug/L	2.8	20	U

METHOD BLANK DATA SHEET
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205292-BLK1 File ID: 2E07042-015

Prepared: 04/30/12 07:00 Analyzed: 05/07/12 12:38

Preparation: 3010A Digestion Initial/Final: 25 mL / 25 mL

QC Batch: 1205292 Sequence: 2E07042 Calibration: 2E07013 Instrument: 116

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
7440-70-2	Calcium, Total	0.50	mg/L	0.23	0.50	U
7439-95-4	Magnesium, Total	0.50	mg/L	0.14	0.50	U
7440-09-7	Potassium, Total	0.10	mg/L	0.033	0.10	U
7440-23-5	Sodium, Total	0.50	mg/L	0.13	0.50	U

METHOD BLANK DATA SHEET
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1205293-BLK1
File ID: 2E07042-023
Prepared: 04/30/12 07:00
Analyzed: 05/07/12 13:05
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1205293
Sequence: 2E07042
Calibration: 2E07013
Instrument: 116

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
7439-96-5	Manganese, Dissolved	20	ug/L	2.8	20	U

METHOD BLANK DATA SHEET
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1205737-BLK1
File ID: 2E09002-015
Prepared: 05/08/12 07:00
Analyzed: 05/09/12 08:04
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1205737
Sequence: 2E09002
Calibration: 2E09001
Instrument: 116

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
7439-89-6	Iron, Dissolved	10	ug/L	6.5	10	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6010C

KAFB-003

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1204543

SDG: KNM040512

Project: KNM

Laboratory ID: 1204543-MS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Calcium, Total	20.0	39.8	56.6	84	75 - 125	mg/L
Magnesium, Total	20.0	5.31	23.5	91	75 - 125	mg/L
Potassium, Total	20.0	2.21	20.5	91	75 - 125	mg/L
Sodium, Total	20.0	23.6	41.7	90	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

KAFB-003

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

QC Batch: 1204543

SDG: KNM040512
Project: KNM
Laboratory ID: 1204543-MSD1
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Calcium, Total	20.0	59.3	97	5	20	75 - 125	mg/L
Magnesium, Total	20.0	24.7	97	5	20	75 - 125	mg/L
Potassium, Total	20.0	21.4	96	4	20	75 - 125	mg/L
Sodium, Total	20.0	43.6	100	4	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

KAFB-003

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

QC Batch: 1204557

SDG: KNM040512
Project: KNM
Laboratory ID: 1204557-MS1
Preparation: General Metals Prep
Initial/Final: 10 mL / 10 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Iron, Dissolved	250	9.47	252	97	75 - 125	ug/L
Manganese, Dissolved	250	ND	246	99	75 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

KAFB-003

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1204557

SDG: KNM040512

Project: KNM

Laboratory ID: 1204557-MSD1

Preparation: General Metals Prep

Initial/Final: 10 mL / 10 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Iron, Dissolved	250	255	98	1	20	75 - 125	ug/L
Manganese, Dissolved	250	250	100	1	20	75 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106058

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1205036-MS1
Preparation: 3010A Digestion
QC Batch: 1205036
Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Calcium, Total	20.0	34.5	53.7	96	75 - 125	mg/L
Magnesium, Total	20.0	4.98	24.4	97	75 - 125	mg/L
Potassium, Total	20.0	2.17	20.7	93	75 - 125	mg/L
Sodium, Total	20.0	22.7	43.4	104	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106058

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205036

SDG: KNM040512

Project: KNM

Laboratory ID: 1205036-MSD1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Calcium, Total	20.0	52.1	88	3	20	75 - 125	mg/L
Magnesium, Total	20.0	23.9	95	2	20	75 - 125	mg/L
Potassium, Total	20.0	20.4	91	2	20	75 - 125	mg/L
Sodium, Total	20.0	41.9	96	4	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106058

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205037

SDG: KNM040512

Project: KNM

Laboratory ID: 1205037-MS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Iron, Dissolved	400	ND	397	99	75 - 125	ug/L
Manganese, Dissolved	400	ND	389	97	75 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106058

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205037

SDG: KNM040512

Project: KNM

Laboratory ID: 1205037-MSD1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Iron, Dissolved	400	383	96	4	20	75 - 125	ug/L
Manganese, Dissolved	400	376	94	3	20	75 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106053

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205292

SDG: KNM040512

Project: KNM

Laboratory ID: 1205292-MS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Calcium, Total	20.0	43.3	61.2	90	75 - 125	mg/L
Magnesium, Total	20.0	6.21	24.4	91	75 - 125	mg/L
Potassium, Total	20.0	2.57	20.8	91	75 - 125	mg/L
Sodium, Total	20.0	23.2	41.5	92	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106053

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205292

SDG: KNM040512

Project: KNM

Laboratory ID: 1205292-MSD1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Calcium, Total	20.0	60.9	88	0.6	20	75 - 125	mg/L
Magnesium, Total	20.0	23.8	88	3	20	75 - 125	mg/L
Potassium, Total	20.0	20.2	88	3	20	75 - 125	mg/L
Sodium, Total	20.0	41.1	90	1	20	75 - 125	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106053

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205293

SDG: KNM040512

Project: KNM

Laboratory ID: 1205293-MS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Manganese, Dissolved	400	2.88	380	94	75 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106053

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205293

SDG: KNM040512

Project: KNM

Laboratory ID: 1205293-MSD1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Manganese, Dissolved	400	351	87	8	20	75 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106053

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205737

SDG: KNM040512

Project: KNM

Laboratory ID: 1205737-MS1

Preparation: 3010A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Iron, Dissolved	400	18.5	402	96	75 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106053

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1205737-MSD1
Preparation: 3010A Digestion
QC Batch: 1205737
Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Iron, Dissolved	400	389	93	3	20	75 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010C

KAFB-003

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3010A Digestion
QC Batch: 1204543

SDG: KNM040512
Project: KNM
Laboratory ID: 1204543-PS1
Lab Source ID: 1204091-01
Initial/Final: 4 mL / 4 mL
Sequence: 2D16001

Analyte	Spike Sample Result (SSR)	Sample Result (SR)	Units	Spike Added (SA)	%R	Control Limit %R
Calcium, Total	50.9	39.8	mg/L	12.5	89	80 - 120
Magnesium, Total	17.0	5.31	mg/L	12.5	93	80 - 120
Potassium, Total	14.0	2.21	mg/L	12.5	94	80 - 120
Sodium, Total	35.6	23.6	mg/L	12.5	95	80 - 120

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010C

106058

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3010A Digestion
QC Batch: 1205036

SDG: KNM040512
Project: KNM
Laboratory ID: 1205036-PS1
Lab Source ID: 1204329-01
Initial/Final: 4 mL / 4 mL
Sequence: 2D25001

Analyte	Spike Sample Result (SSR)	Sample Result (SR)	Units	Spike Added (SA)	%R	Control Limit %R
Calcium, Total	46.6	34.5	mg/L	12.5	97	80 - 120
Magnesium, Total	17.8	4.98	mg/L	12.5	103	80 - 120
Potassium, Total	14.8	2.17	mg/L	12.5	101	80 - 120
Sodium, Total	35.9	22.7	mg/L	12.5	105	80 - 120

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010C

106058

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3010A Digestion
QC Batch: 1205037

SDG: KNM040512
Project: KNM
Laboratory ID: 1205037-PS1
Lab Source ID: 1204329-01
Initial/Final: 4 mL / 4 mL
Sequence: 2D25001

Analyte	Spike Sample Result (SSR)	Sample Result (SR)	Units	Spike Added (SA)	%R	Control Limit %R
Iron, Dissolved	264	5.88	ug/L	250	103	80 - 120
Manganese, Dissolved	257	2.53	ug/L	250	102	80 - 120

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010C

106053

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3010A Digestion
QC Batch: 1205292

SDG: KNM040512
Project: KNM
Laboratory ID: 1205292-PS1
Lab Source ID: 1204454-01
Initial/Final: 4 mL / 4 mL
Sequence: 2E07042

Analyte	Spike Sample Result (SSR)	Sample Result (SR)	Units	Spike Added (SA)	%R	Control Limit %R
Calcium, Total	53.7	43.3	mg/L	12.5	83	80 - 120
Magnesium, Total	17.8	6.21	mg/L	12.5	93	80 - 120
Potassium, Total	14.3	2.57	mg/L	12.5	94	80 - 120
Sodium, Total	34.4	23.2	mg/L	12.5	90	80 - 120

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010C

106053

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3010A Digestion
QC Batch: 1205293

SDG: KNM040512
Project: KNM
Laboratory ID: 1205293-PS1
Lab Source ID: 1204454-01
Initial/Final: 4 mL / 4 mL
Sequence: 2E07042

Analyte	Spike Sample Result (SSR)	Sample Result (SR)	Units	Spike Added (SA)	%R	Control Limit %R
Manganese, Dissolved	250	2.88	ug/L	250	99	80 - 120

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6010C

106053

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3010A Digestion
QC Batch: 1205737

SDG: KNM040512
Project: KNM
Laboratory ID: 1205737-PS1
Lab Source ID: 1204454-01
Initial/Final: 4 mL / 4 mL
Sequence: 2E09002

Analyte	Spike Sample Result (SSR)	Sample Result (SR)	Units	Spike Added (SA)	%R	Control Limit %R
Iron, Dissolved	295	18.5	ug/L	250	111	80 - 120

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM040512
Project: KNM
Laboratory ID: 1204543-BS1
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

QC Batch: 1204543
Sequence: 2D16001

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Calcium, Total	20.0	18.7	94	80 - 120	mg/L
Magnesium, Total	20.0	19.1	96	80 - 120	mg/L
Potassium, Total	20.0	19.1	95	80 - 120	mg/L
Sodium, Total	20.0	19.3	97	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM040512
Project: KNM
Laboratory ID: 1204557-BS1
Preparation: General Metals Prep
Initial/Final: 10 mL / 10 mL
Sequence: 2D13001

QC Batch: 1204557

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Iron, Dissolved	500	504	101	80 - 120	ug/L
Manganese, Dissolved	500	497	99	80 - 120	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM040512
Project: KNM
Laboratory ID: 1205036-BS1
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
Sequence: 2D25001

QC Batch: 1205036

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Calcium, Total	20.0	18.6	93	80 - 120	mg/L
Magnesium, Total	20.0	19.5	97	80 - 120	mg/L
Potassium, Total	20.0	18.8	94	80 - 120	mg/L
Sodium, Total	20.0	19.5	98	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM040512
Project: KNM
Laboratory ID: 1205037-BS1
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

QC Batch: 1205037
Sequence: 2D25001

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Iron, Dissolved	400	396	99	80 - 120	ug/L
Manganese, Dissolved	400	387	97	80 - 120	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM040512
Project: KNM
Laboratory ID: 1205292-BS1
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL
Sequence: 2E07042

QC Batch: 1205292

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Calcium, Total	20.0	18.5	93	80 - 120	mg/L
Magnesium, Total	20.0	19.1	96	80 - 120	mg/L
Potassium, Total	20.0	18.8	94	80 - 120	mg/L
Sodium, Total	20.0	18.8	94	80 - 120	mg/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM040512
Project: KNM
Laboratory ID: 1205293-BS1
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

QC Batch: 1205293
Sequence: 2E07042

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Manganese, Dissolved	400	362	91	80 - 120	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM040512
Project: KNM
Laboratory ID: 1205737-BS1
Preparation: 3010A Digestion
Initial/Final: 25 mL / 25 mL

QC Batch: 1205737
Sequence: 2E09002

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Iron, Dissolved	400	385	96	80 - 120	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

SERIAL DILUTION

USEPA-6010C

KAFB-003

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
QC Batch: 2D13001

SDG: KNM040512
Project: KNM
Laboratory ID: 2D13001-SRD1
Lab Source ID: 1204091-01
Sequence: 2D13001

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Iron, Dissolved	9.47	J	20.9	U	121.0 #		ug/L	10
Manganese, Dissolved	0.322	U	-2.34	U	825.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION

USEPA-6010C

KAFB-003

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
QC Batch: 2D16001

SDG: KNM040512
Project: KNM
Laboratory ID: 2D16001-SRD1
Lab Source ID: 1204091-01
Sequence: 2D16001

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Calcium, Total	39.8		40.1		1.0		mg/L	10
Magnesium, Total	5.31		5.41		2.0 #		mg/L	10
Potassium, Total	2.21		2.15		3.0		mg/L	10
Sodium, Total	23.6		24.0		1.0		mg/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION

USEPA-6010C

106058

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 2D25001-SRD1
% Solids:
Lab Source ID: 1204329-01
QC Batch: 2D25001
Sequence: 2D25001

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Calcium, Total	34.5		34.3				mg/L	10
Magnesium, Total	4.98		5.10		2.0 #		mg/L	10
Potassium, Total	2.17		2.26		4.0		mg/L	10
Sodium, Total	22.7		23.0		1.0		mg/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION

USEPA-6010C

106058

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
QC Batch: 2D25001

SDG: KNM040512
Project: KNM
Laboratory ID: 2D25001-SRD2
Lab Source ID: 1204329-01
Sequence: 2D25001

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Iron, Dissolved	5.88	U	19.5	U	232.0 #		ug/L	10
Manganese, Dissolved	2.53	U	8.98	U	255.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION

USEPA-6010C

106053

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
QC Batch: 2E07042

SDG: KNM040512
Project: KNM
Laboratory ID: 2E07042-SRD1
Lab Source ID: 1204454-01
Sequence: 2E07042

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Calcium, Total	43.3		45.2		4.0		mg/L	10
Magnesium, Total	6.21		6.40		3.0 #		mg/L	10
Potassium, Total	2.57		2.68		4.0		mg/L	10
Sodium, Total	23.2		24.0		4.0		mg/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION

USEPA-6010C

106053

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
QC Batch: 2E07042

SDG: KNM040512
Project: KNM
Laboratory ID: 2E07042-SRD2
Lab Source ID: 1204454-01
Sequence: 2E07042

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Manganese, Dissolved	2.88	J	9.15	U	218.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION

USEPA-6010C

106053

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 2E09002-SRD1
% Solids:
Lab Source ID: 1204454-01
QC Batch: 2E09002
Sequence: 2E09002

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Iron, Dissolved	18.5		2.66	U	86.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

HOLDING TIME SUMMARY

USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

Dissolved Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
KAFB-003	04/04/12	04/05/12		04/12/12	8	NA	04/13/12	9	180	
KAFB-003	04/04/12	04/05/12		04/12/12	8	NA	04/13/12	9	180	
106042	04/10/12	04/11/12		04/12/12	2	NA	04/13/12	3	180	
106042	04/10/12	04/11/12		04/12/12	2	NA	04/13/12	3	180	
106089	04/10/12	04/11/12		04/12/12	2	NA	04/13/12	3	180	
106089	04/10/12	04/11/12		04/12/12	2	NA	04/13/12	3	180	
106058	04/17/12	04/18/12		04/24/12	7	NA	04/25/12	8	180	
106058	04/17/12	04/18/12		04/24/12	7	NA	04/25/12	8	180	
106053	04/24/12	04/25/12		04/30/12	6	NA	05/07/12	13	180	
106053	04/24/12	04/25/12		05/08/12	14	NA	05/09/12	15	180	
106054	04/24/12	04/25/12		04/30/12	6	NA	05/07/12	13	180	
106054	04/24/12	04/25/12		05/08/12	14	NA	05/09/12	15	180	

HOLDING TIME SUMMARY
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
KAFB-003	04/04/12	04/05/12		04/13/12	9	NA	04/16/12	12	180	
KAFB-003	04/04/12	04/05/12		04/13/12	9	NA	04/16/12	12	180	
KAFB-003	04/04/12	04/05/12		04/13/12	9	NA	04/16/12	12	180	
KAFB-003	04/04/12	04/05/12		04/13/12	9	NA	04/16/12	12	180	
106042	04/10/12	04/11/12		04/13/12	3	NA	04/16/12	6	180	
106042	04/10/12	04/11/12		04/13/12	3	NA	04/16/12	6	180	
106042	04/10/12	04/11/12		04/13/12	3	NA	04/16/12	6	180	
106042	04/10/12	04/11/12		04/13/12	3	NA	04/16/12	6	180	
106089	04/10/12	04/11/12		04/13/12	3	NA	04/16/12	6	180	
106089	04/10/12	04/11/12		04/13/12	3	NA	04/16/12	6	180	
106089	04/10/12	04/11/12		04/13/12	3	NA	04/16/12	6	180	
106089	04/10/12	04/11/12		04/13/12	3	NA	04/16/12	6	180	
106058	04/17/12	04/18/12		04/24/12	7	NA	04/25/12	8	180	
106058	04/17/12	04/18/12		04/24/12	7	NA	04/25/12	8	180	
106058	04/17/12	04/18/12		04/24/12	7	NA	04/25/12	8	180	
106058	04/17/12	04/18/12		04/24/12	7	NA	04/25/12	8	180	
106053	04/24/12	04/25/12		04/30/12	6	NA	05/07/12	13	180	
106053	04/24/12	04/25/12		04/30/12	6	NA	05/07/12	13	180	
106053	04/24/12	04/25/12		04/30/12	6	NA	05/07/12	13	180	
106053	04/24/12	04/25/12		04/30/12	6	NA	05/07/12	13	180	
106054	04/24/12	04/25/12		04/30/12	6	NA	05/07/12	13	180	
106054	04/24/12	04/25/12		04/30/12	6	NA	05/07/12	13	180	

HOLDING TIME SUMMARY
USEPA-6010C

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

Total Metals

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
106054	04/24/12	04/25/12		04/30/12	6	NA	05/07/12	13	180	
106054	04/24/12	04/25/12		04/30/12	6	NA	05/07/12	13	180	

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1204557

Printed: 5/9/2012 1:24:15PM

Metals, Water, General Metals Prep

Batch comments:

BLK < 1.0

LCS = 1.40 WITHIN RANGE

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1204091-01	P	Apr-12-12 09:00	RDB	25	25	TechLaw			NO DIGESTION NEEDED
Fe Diss 6010B	*Mn Diss 6010B*								
1204205-01	P	Apr-12-12 09:00	RDB	25	25	TechLaw			NO DIGESTION NEEDED
Fe Diss 6010B	*Mn Diss 6010B*								
1204205-02	P	Apr-12-12 09:00	RDB	25	25	TechLaw			NO DIGESTION NEEDED
Fe Diss 6010B	*Mn Diss 6010B*								
1204557-BLK1		Apr-12-12 09:00	KLV	10	10				
1204557-BS1		Apr-12-12 09:00	KLV	10	10		1070039	50	
1204557-MS1		Apr-12-12 09:00	KLV	10	10	1204091-01	1051301	50	
1204557-MSD1		Apr-12-12 09:00	KLV	10	10	1204091-01	1051301	50	

Comments:

Analyst Initials:

01658

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1204543

Printed: 5/9/2012 1:23:32PM

Metals, Water, 3010A Digestion

Batch comments:

MAS 04/13/12 7:00AM-4:00PM
INST#217@93.9-92.6C#250
HOTBLOCK VESSEL LOT#1111173

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1204091-01	L	Apr-13-12 07:00	MAS	25	25	TechLaw			
Ca Total 6010B	*K Total 6010B*	*Mg Total 6010B*	*Na Total 6010B*						
1204205-01	L	Apr-13-12 07:00	MAS	25	25	TechLaw			
Ca Total 6010B	*K Total 6010B*	*Mg Total 6010B*	*Na Total 6010B*						
1204205-02	L	Apr-13-12 07:00	MAS	25	25	TechLaw			
Ca Total 6010B	*K Total 6010B*	*Mg Total 6010B*	*Na Total 6010B*						
1204543-BLK1		Apr-13-12 07:00	MAS	25	25				
1204543-BS1		Apr-13-12 07:00	MAS	25	25		1100115	200	
1204543-MS1		Apr-13-12 07:00	MAS	25	25	1204091-01	1100115	200	
1204543-MSD1		Apr-13-12 07:00	MAS	25	25	1204091-01	1100115	200	
1204543-PS1		Apr-16-12 07:00	KLV	4	4	1204091-01	1100115	20	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1205036

Printed: 5/9/2012 1:24:38PM

Metals, Water, 3010A Digestion

Batch comments:

MAS 04/24/12 7:00AM-4:00PM
INST#217@93.9-92.6C#250
HOTBLOCK VESSEL LOT#1202052

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1204329-01	L	Apr-24-12 07:00	MAS	25	25	TechLaw			
Ca Total 6010B	*K Total 6010B*	*Mg Total 6010B*	*Na Total 6010B*						
1205036-BLK1		Apr-24-12 07:00	MAS	25	25				
1205036-BS1		Apr-24-12 07:00	MAS	25	25		1100115	200	
1205036-MS1		Apr-24-12 07:00	MAS	25	25	1204329-01	1100115	200	
1205036-MSD1		Apr-24-12 07:00	MAS	25	25	1204329-01	1100115	200	
1205036-PS1		Apr-25-12 07:00	KLV	4	4	1204329-01	1051301	20	

Comments:	Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1205037 Page 1 of 1

Printed: 5/9/2012 1:25:04PM

Metals, Water, 3010A Digestion

Batch comments:

MAS 04/24/12 7:00AM-4:00PM
INST#217@93.9-92.6C#250
HOTBLOCK VESSEL LOT#1202052

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1204329-01	O	Apr-24-12 07:00	MAS	25	25	TechLaw			
Fe Diss 6010B	*Mn Diss 6010B*								
1205037-BLK1		Apr-24-12 07:00	MAS	25	25				
1205037-BS1		Apr-24-12 07:00	MAS	25	25		1100115	200	
1205037-MS1		Apr-24-12 07:00	MAS	25	25	1204329-01	1100115	200	
1205037-MSD1		Apr-24-12 07:00	MAS	25	25	1204329-01	1100115	200	
1205037-PS1		Apr-25-12 07:00	KLV	4	4	1204329-01	1051301	20	

Comments:

Analyst Initials:

bch_TM_byAnalysis.rpt

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1205292

Printed: 5/9/2012 1:25:48PM

Metals, Water, 3010A Digestion

Batch comments:

mas 04/30/12 7:00am-4:00pm
inst#217@93.9-92.6c#250
hotblock vessel lot#1202052

91662

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1204454-01	L	Apr-30-12 07:00	MAS	25	25	TechLaw			
Ca Total 6010B	*K Total 6010B*	*Mg Total 6010B*	*Na Total 6010B*						
1204454-02	L	Apr-30-12 07:00	MAS	25	25	TechLaw			
Ca Total 6010B	*K Total 6010B*	*Mg Total 6010B*	*Na Total 6010B*						
1205292-BLK1		Apr-30-12 07:00	MAS	25	25				
1205292-BS1		Apr-30-12 07:00	MAS	25	25		1100115	200	
1205292-MS1		Apr-30-12 07:00	MAS	25	25	1204454-01	1100115	200	
1205292-MSD1		Apr-30-12 07:00	MAS	25	25	1204454-01	1100115	200	
1205292-PS1		May-07-12 07:00	CKD	4	4	1204454-01	1051299	20	

Comments:

Analyst Initials:

Metals, Water, 3010A Digestion

Batch comments:

mas 04/30/12 7:00am-4:00pm
inst#217@93.9-92.6c#250
hotblock vessel lot#1202052

01663

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1204454-01	P	Apr-30-12 07:00	MAS	25	25	TechLaw			
Mn Diss 6010B									
1204454-02	P	Apr-30-12 07:00	MAS	25	25	TechLaw			
Mn Diss 6010B									
1205293-BLK1		Apr-30-12 07:00	MAS	25	25				
1205293-BS1		Apr-30-12 07:00	MAS	25	25		1100115	200	
1205293-MS1		Apr-30-12 07:00	MAS	25	25	1204454-01	1100115	200	
1205293-MSD1		Apr-30-12 07:00	MAS	25	25	1204454-01	1100115	200	
1205293-PS1		May-07-12 07:00	CKD	4	4	1204454-01	1051299	20	

Comments:

Analyst Initials:

TriMatrix Laboratories, Inc.

PREPARATION BATCH 1205737 Page 1 of 1

Printed: 5/9/2012 1:26:37PM

Metals, Water, 3010A Digestion

Batch comments:

MAS 05/08/12 7:00AM-4:00PM
INST#217@93.9-92.6C#250
HOTBLOCK VESSEL LOT#1202052

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1204454-01	P	May-08-12 07:00	MAS	25	25	TechLaw			
Fe Diss 6010B									
1204454-02	P	May-08-12 07:00	MAS	25	25	TechLaw			
Fe Diss 6010B									
1205737-BLK1		May-08-12 07:00	MAS	25	25				
1205737-BS1		May-08-12 07:00	MAS	25	25		1100115	200	
1205737-MS1		May-08-12 07:00	MAS	25	25	1204454-01	1100115	200	
1205737-MSD1		May-08-12 07:00	MAS	25	25	1204454-01	1100115	200	
1205737-PS1		May-09-12 08:16	KLV	4	4	1204454-01	1051301	20	

Comments:

Analyst Initials:

bch_TM_byAnalysis.rpt

1691

Approved 4/11/12

Due 4-18

TRIMATRIX LABORATORIES

Calib: 2013008

Metals Laboratory Instrument Run Sequence

Instrument #: 311

Date: 4-13-12

Analyst: KW

Data File: 2013001

Calibration BLK/ICB/CCB: 0.5%HNO3/51061

Internal Standard #: 1090133

Autosampler Position:

1. BLK/CCB/1111012
2. STD 1/1120579
3. STD 2/1120580
4. STD3/CCV/1120582
5. STD4/1120583
9. DAILY SCV/CCV1/2030371
10. CRL/1120002
11. IFA1/2020049
12. IFA2/~~1120378~~ 2040485
13. IFB1/2030089
14. IFB2/~~2030090~~ 2040486

Analysis # / Position #	ID	Dilution			Analysis # / Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
1/17	1204091-01				35/51				
2/18	MS1				36/52				
3/19	MSD1				37/53				
4/20	SRD1				38/54				
5/21	1204205-01				39/55				
6/22	02				40/56				
7/23					41/57				
8/24					42/58				
9/25					43/59				
10/26					44/60				
11/27					45/61				
12/28					46/62				
13/29					47/63				
14/30					48/64				
15/31					49/65				
16/32					50/66				
17/33					51/67				
18/34					52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Analysis Begun

Start Time: 4/13/2012 6:47:53 AM
Logged In Analyst: analystME
Spectrometer Model: Optima 5300 DV, S/N 077C7032601
Plasma On Time: 4/13/2012 6:22:59 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\analystME\Sample Information\2D13001.sif
Batch ID:
Results Data Set: 2D13001
Results Library: C:\pe\analystME\Results\Results.mdb

Sequence No.: 1
Sample ID: 2D13001-CAL1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 4/13/2012 6:47:55 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D13001-CAL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	368428.2	368428.2	99.3464	%	06:48:59
1	Al 396.153†	-4.5	-4.6	[0.00]	ug/L	06:49:19
1	Ba 455.398†	388.7	391.3	[0.00]	ug/L	06:48:59
1	Ca 315.887†	5.6	5.6	[0.00]	mg/L	06:49:19
1	Fe 238.204†	23.1	23.2	[0.00]	ug/L	06:49:19
1	K 766.490	-207.8	-207.8	[0.00]	mg/L	06:48:59
1	Li 670.784†	-79.6	-80.2	[0.00]	ug/L	06:48:59
1	Mg 279.071†	40.7	41.0	[0.00]	mg/L	06:49:19
1	Na 589.592†	220.5	221.9	[0.00]	mg/L	06:48:59
1	Sr 407.771†	625.5	629.6	[0.00]	ug/L	06:48:59
1	Ti 334.940†	-13.0	-13.1	[0.00]	ug/L	06:49:19
1	Y 360.076	265524.8	265524.8	100.138	%	06:49:51
1	Ag 328.068†	-10.8	-10.8	[0.00]	ug/L	06:50:11
1	As 188.979†	-18.9	-18.9	[0.00]	ug/L	06:50:11
1	B 249.677†	68.5	68.4	[0.00]	ug/L	06:50:11
1	Be 234.861†	-545.1	-544.4	[0.00]	ug/L	06:50:11
1	Cd 214.437†	242.5	242.2	[0.00]	ug/L	06:50:11
1	Ce 413.764†	1745.8	1743.3	[0.00]	ug/L	06:49:51
1	Co 228.616†	-28.1	-28.1	[0.00]	ug/L	06:50:11
1	Cr 205.557†	-4.7	-4.7	[0.00]	ug/L	06:50:11
1	Cu 327.397†	177.5	177.2	[0.00]	ug/L	06:49:51
1	Mn 257.610†	182.1	181.8	[0.00]	ug/L	06:50:11
1	Mo 202.031†	43.9	43.8	[0.00]	ug/L	06:50:11
1	Ni 231.604†	8.4	8.4	[0.00]	ug/L	06:50:11
1	Pb 220.353†	13.4	13.4	[0.00]	ug/L	06:50:11
1	Sb 217.584†	-27.7	-27.7	[0.00]	ug/L	06:50:11
1	Se 196.026†	19.2	19.1	[0.00]	ug/L	06:50:11
1	Si 251.611†	81.5	81.4	[0.00]	ug/L	06:50:11
1	Sn 189.927†	-17.8	-17.7	[0.00]	ug/L	06:50:11
1	Tl 190.801†	-11.9	-11.9	[0.00]	ug/L	06:50:11
1	V 292.395†	-496.0	-495.3	[0.00]	ug/L	06:49:51
1	Zn 206.200†	-13.2	-13.2	[0.00]	ug/L	06:50:11
2	Sc 357.234	373276.2	373276.2	100.654	%	06:49:24
2	Al 396.153†	-12.1	-12.0	[0.00]	ug/L	06:49:44
2	Ba 455.398†	398.9	396.3	[0.00]	ug/L	06:49:24
2	Ca 315.887†	0.3	0.3	[0.00]	mg/L	06:49:44
2	Fe 238.204†	23.1	22.9	[0.00]	ug/L	06:49:44
2	K 766.490	-231.2	-231.2	[0.00]	mg/L	06:49:24
2	Li 670.784†	-39.9	-39.6	[0.00]	ug/L	06:49:24
2	Mg 279.071†	49.9	49.5	[0.00]	mg/L	06:49:44
2	Na 589.592†	204.5	203.2	[0.00]	mg/L	06:49:24
2	Sr 407.771†	631.4	627.3	[0.00]	ug/L	06:49:24
2	Ti 334.940†	-8.3	-8.2	[0.00]	ug/L	06:49:44
2	Y 360.076	264790.9	264790.9	99.8616	%	06:50:16
2	Ag 328.068†	5.1	5.1	[0.00]	ug/L	06:50:36
2	As 188.979†	-12.5	-12.5	[0.00]	ug/L	06:50:36
2	B 249.677†	69.4	69.5	[0.00]	ug/L	06:50:36

2	Be 234.861†	-546.8	-547.5	[0.00] ug/L	06:50:36
2	Cd 214.437†	234.0	234.3	[0.00] ug/L	06:50:36
2	Ce 413.764†	1690.3	1692.6	[0.00] ug/L	06:50:16
2	Co 228.616†	-21.7	-21.7	[0.00] ug/L	06:50:36
2	Cr 205.557†	-3.0	-3.0	[0.00] ug/L	06:50:36
2	Cu 327.397†	172.5	172.7	[0.00] ug/L	06:50:16
2	Mn 257.610†	182.3	182.5	[0.00] ug/L	06:50:36
2	Mo 202.031†	42.5	42.6	[0.00] ug/L	06:50:36
2	Ni 231.604†	11.2	11.2	[0.00] ug/L	06:50:36
2	Pb 220.353†	22.9	22.9	[0.00] ug/L	06:50:36
2	Sb 217.584†	-35.4	-35.4	[0.00] ug/L	06:50:36
2	Se 196.026†	16.6	16.6	[0.00] ug/L	06:50:36
2	Si 251.611†	75.5	75.6	[0.00] ug/L	06:50:36
2	Sn 189.927†	-17.2	-17.2	[0.00] ug/L	06:50:36
2	Tl 190.801†	-8.9	-8.9	[0.00] ug/L	06:50:36
2	V 292.395†	-501.7	-502.4	[0.00] ug/L	06:50:16
2	Zn 206.200†	-4.5	-4.5	[0.00] ug/L	06:50:36

Mean Data: 2D13001-CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	370852.2	3428.04	0.92%	100.000	%
Y 360.076	265157.8	518.99	0.20%	100.000	%
Ag 328.068†	-2.8	11.28	398.28%	[0.00]	ug/L
Al 396.153†	-8.3	5.25	63.50%	[0.00]	ug/L
As 188.979†	-15.7	4.49	28.58%	[0.00]	ug/L
B 249.677†	69.0	0.73	1.05%	[0.00]	ug/L
Ba 455.398†	393.8	3.57	0.91%	[0.00]	ug/L
Be 234.861†	-546.0	2.26	0.41%	[0.00]	ug/L
Ca 315.887†	3.0	3.79	128.00%	[0.00]	mg/L
Cd 214.437†	238.3	5.55	2.33%	[0.00]	ug/L
Ce 413.764†	1718.0	35.86	2.09%	[0.00]	ug/L
Co 228.616†	-24.9	4.49	18.03%	[0.00]	ug/L
Cr 205.557†	-3.8	1.25	32.58%	[0.00]	ug/L
Cu 327.397†	175.0	3.21	1.83%	[0.00]	ug/L
Fe 238.204†	23.1	0.21	0.92%	[0.00]	ug/L
K 766.490	-219.5	16.52	7.53%	[0.00]	mg/L
Li 670.784†	-59.9	28.67	47.86%	[0.00]	ug/L
Mg 279.071†	45.3	6.05	13.36%	[0.00]	mg/L
Mn 257.610†	182.2	0.50	0.27%	[0.00]	ug/L
Mo 202.031†	43.2	0.88	2.03%	[0.00]	ug/L
Na 589.592†	212.5	13.23	6.22%	[0.00]	mg/L
Ni 231.604†	9.8	1.96	20.04%	[0.00]	ug/L
Pb 220.353†	18.1	6.75	37.22%	[0.00]	ug/L
Sb 217.584†	-31.5	5.49	17.40%	[0.00]	ug/L
Se 196.026†	17.9	1.78	9.97%	[0.00]	ug/L
Si 251.611†	78.5	4.06	5.17%	[0.00]	ug/L
Sn 189.927†	-17.5	0.38	2.20%	[0.00]	ug/L
Sr 407.771†	628.5	1.63	0.26%	[0.00]	ug/L
Ti 334.940†	-10.7	3.47	32.47%	[0.00]	ug/L
Tl 190.801†	-10.4	2.09	20.07%	[0.00]	ug/L
V 292.395†	-498.8	5.02	1.01%	[0.00]	ug/L
Zn 206.200†	-8.8	6.15	69.60%	[0.00]	ug/L

==========

Sequence No.: 2
Sample ID: 2D13001-CAL2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 4/13/2012 6:51:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D13001-CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	348609.8	348609.8	94.0024	%	06:52:53
1	Al 396.153†	299.9	327.3	[50.00]	ug/L	06:53:13
1	Ba 455.398†	3880.6	3734.5	[10.00]	ug/L	06:52:53
1	Ca 315.887†	744.3	788.8	[0.500]	mg/L	06:53:13
1	Fe 238.204†	52.7	32.9	[10.00]	ug/L	06:53:13

1	K 766.490	-11.2	208.3	[0.100] mg/L	06:52:53
1	Li 670.784†	530.8	624.5	[8.00] ug/L	06:52:53
1	Mg 279.071†	352.9	330.1	[0.500] mg/L	06:53:13
1	Na 589.592†	4341.2	4405.6	[0.500] mg/L	06:52:53
1	Sr 407.771†	50456.4	53047.2	[50.00] ug/L	06:52:53
1	Y 360.076	267953.8	267953.8	101.054 %	06:53:45
1	Ag 328.068†	321.3	320.8	[5.000] ug/L	06:54:05
1	As 188.979†	36.3	51.6	[100.00] ug/L	06:54:05
1	B 249.677†	1232.9	1151.1	[50.00] ug/L	06:53:45
1	Be 234.861†	-370.0	179.8	[1.000] ug/L	06:54:05
1	Cd 214.437†	318.4	76.8	[5.00] ug/L	06:54:05
1	Co 228.616†	20.8	45.5	[10.00] ug/L	06:54:05
1	Cr 205.557†	62.0	65.1	[10.00] ug/L	06:54:05
1	Cu 327.397†	512.5	332.2	[10.00] ug/L	06:53:45
1	Mn 257.610†	1320.2	1124.2	[10.00] ug/L	06:54:05
1	Ni 231.604†	114.7	103.7	[10.00] ug/L	06:54:05
1	Pb 220.353†	90.1	71.0	[50.00] ug/L	06:54:05
1	Sb 217.584†	89.9	120.5	[100.00] ug/L	06:54:05
1	Se 196.026†	88.2	69.4	[100.00] ug/L	06:54:05
1	Si 251.611†	1171.0	1080.2	[100.00] ug/L	06:54:05
1	Sn 189.927†	90.9	107.4	[100.00] ug/L	06:54:05
1	Tl 190.801†	45.6	55.5	[100.00] ug/L	06:54:05
1	V 292.395†	-146.1	354.2	[10.00] ug/L	06:53:45
1	Zn 206.200†	45.5	53.9	[10.00] ug/L	06:54:05
2	Sc 357.234	377602.7	377602.7	101.820 %	06:53:18
2	Al 396.153†	306.8	309.6	[50.00] ug/L	06:53:38
2	Ba 455.398†	3794.5	3332.9	[10.00] ug/L	06:53:18
2	Ca 315.887†	743.7	727.4	[0.500] mg/L	06:53:38
2	Fe 238.204†	52.7	28.7	[10.00] ug/L	06:53:38
2	K 766.490	-1.9	217.7	[0.100] mg/L	06:53:18
2	Li 670.784†	460.6	512.3	[8.00] ug/L	06:53:18
2	Mg 279.071†	345.3	293.9	[0.500] mg/L	06:53:38
2	Na 589.592†	4233.0	3944.8	[0.500] mg/L	06:53:18
2	Sr 407.771†	49141.2	47634.2	[50.00] ug/L	06:53:18
2	Y 360.076	267908.2	267908.2	101.037 %	06:54:10
2	Ag 328.068†	314.4	314.0	[5.000] ug/L	06:54:30
2	As 188.979†	33.8	49.1	[100.00] ug/L	06:54:30
2	B 249.677†	1263.0	1181.1	[50.00] ug/L	06:54:10
2	Be 234.861†	-375.7	174.1	[1.000] ug/L	06:54:30
2	Cd 214.437†	312.7	71.2	[5.00] ug/L	06:54:30
2	Co 228.616†	23.7	48.4	[10.00] ug/L	06:54:30
2	Cr 205.557†	64.6	67.8	[10.00] ug/L	06:54:30
2	Cu 327.397†	518.8	338.5	[10.00] ug/L	06:54:10
2	Mn 257.610†	1323.9	1128.1	[10.00] ug/L	06:54:30
2	Ni 231.604†	114.9	103.9	[10.00] ug/L	06:54:30
2	Pb 220.353†	88.9	69.9	[50.00] ug/L	06:54:30
2	Sb 217.584†	85.0	115.7	[100.00] ug/L	06:54:30
2	Se 196.026†	88.1	69.3	[100.00] ug/L	06:54:30
2	Si 251.611†	1165.5	1075.0	[100.00] ug/L	06:54:30
2	Sn 189.927†	90.8	107.4	[100.00] ug/L	06:54:30
2	Tl 190.801†	47.6	57.5	[100.00] ug/L	06:54:30
2	V 292.395†	-166.3	334.2	[10.00] ug/L	06:54:10
2	Zn 206.200†	53.8	62.1	[10.00] ug/L	06:54:30

Mean Data: 2D13001-CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	363106.2	20501.03	5.65%	97.9113	%
Y 360.076	267931.0	32.20	0.01%	101.046	%
Ag 328.068†	317.4	4.82	1.52%	[5.000]	ug/L
Al 396.153†	318.4	12.51	3.93%	[50.00]	ug/L
As 188.979†	50.4	1.76	3.49%	[100.00]	ug/L
B 249.677†	1166.1	21.21	1.82%	[50.00]	ug/L
Ba 455.398†	3533.7	283.97	8.04%	[10.00]	ug/L
Be 234.861†	176.9	4.06	2.30%	[1.000]	ug/L
Ca 315.887†	758.1	43.43	5.73%	[0.500]	mg/L
Cd 214.437†	74.0	3.95	5.33%	[5.00]	ug/L
Co 228.616†	46.9	2.05	4.38%	[10.00]	ug/L
Cr 205.557†	66.5	1.89	2.84%	[10.00]	ug/L
Cu 327.397†	335.3	4.44	1.32%	[10.00]	ug/L

Fe 238.204†	30.8	3.01	9.75%	[10.00]	ug/L
K 766.490	213.0	6.64	3.12%	[0.100]	mg/L
Li 670.784†	568.4	79.39	13.97%	[8.00]	ug/L
Mg 279.071†	312.0	25.61	8.21%	[0.500]	mg/L
Mn 257.610†	1126.2	2.71	0.24%	[10.00]	ug/L
Na 589.592†	4175.2	325.85	7.80%	[0.500]	mg/L
Ni 231.604†	103.8	0.16	0.15%	[10.00]	ug/L
Pb 220.353†	70.4	0.81	1.16%	[50.00]	ug/L
Sb 217.584†	118.1	3.43	2.90%	[100.00]	ug/L
Se 196.026†	69.4	0.05	0.07%	[100.00]	ug/L
Si 251.611†	1077.6	3.72	0.34%	[100.00]	ug/L
Sn 189.927†	107.4	0.01	0.01%	[100.00]	ug/L
Sr 407.771†	50340.7	3827.61	7.60%	[50.00]	ug/L
Tl 190.801†	56.5	1.40	2.48%	[100.00]	ug/L
V 292.395†	344.2	14.15	4.11%	[10.00]	ug/L
Zn 206.200†	58.0	5.83	10.04%	[10.00]	ug/L

Sequence No.: 3 **Autosampler Location: 3**
Sample ID: 2D13001-CAL3 **Date Collected: 4/13/2012 6:55:44 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2D13001-CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	359000.6	359000.6	96.8042	%	06:56:49
1	Al 396.153†	2409.7	2497.6	[500.00]	ug/L	06:57:09
1	Ba 455.398†	32973.5	33668.3	[100.00]	ug/L	06:56:49
1	Ca 315.887†	1411.6	1455.2	[1.000]	mg/L	06:57:09
1	Fe 238.204†	281.6	267.8	[100.00]	ug/L	06:57:09
1	K 766.490	1426.6	1646.1	[1.000]	mg/L	06:56:49
1	Li 670.784†	6522.0	6797.2	[100.00]	ug/L	06:56:49
1	Mg 279.071†	633.5	609.2	[1.000]	mg/L	06:57:09
1	Na 589.592†	7771.2	7815.2	[1.000]	mg/L	06:56:49
1	Sr 407.771†	94395.0	96882.8	[100.00]	ug/L	06:56:49
1	Ti 334.940†	2192.9	2276.0	[100.00]	ug/L	06:57:09
1	Y 360.076	260997.6	260997.6	98.4310	%	06:57:40
1	Ag 328.068†	6183.7	6285.1	[100.00]	ug/L	06:57:40
1	As 188.979†	236.7	256.2	[500.00]	ug/L	06:58:01
1	B 249.677†	2102.0	2066.5	[100.00]	ug/L	06:58:01
1	Be 234.861†	1085.4	1648.6	[10.00]	ug/L	06:58:01
1	Cd 214.437†	1700.3	1489.2	[100.00]	ug/L	06:58:01
1	Co 228.616†	459.9	492.1	[100.00]	ug/L	06:58:01
1	Cr 205.557†	642.2	656.2	[100.00]	ug/L	06:58:01
1	Cu 327.397†	3412.7	3292.2	[100.00]	ug/L	06:57:40
1	Mn 257.610†	11010.8	11004.1	[100.00]	ug/L	06:57:40
1	Mo 202.031†	559.7	525.4	[100.00]	ug/L	06:58:01
1	Ni 231.604†	1043.5	1050.3	[100.00]	ug/L	06:58:01
1	Pb 220.353†	162.1	146.6	[100.00]	ug/L	06:58:01
1	Sb 217.584†	564.0	604.6	[500.00]	ug/L	06:58:01
1	Se 196.026†	365.6	353.5	[500.00]	ug/L	06:58:01
1	Si 251.611†	5355.0	5361.8	[500.00]	ug/L	06:58:01
1	Sn 189.927†	550.3	576.5	[500.00]	ug/L	06:58:01
1	Tl 190.801†	261.7	276.3	[500.00]	ug/L	06:58:01
1	V 292.395†	3503.1	4057.7	[100.00]	ug/L	06:58:01
1	Zn 206.200†	477.8	494.2	[100.00]	ug/L	06:58:01
2	Sc 357.234	366889.8	366889.8	98.9315	%	06:57:14
2	Al 396.153†	2397.4	2431.6	[500.00]	ug/L	06:57:34
2	Ba 455.398†	33014.5	32977.3	[100.00]	ug/L	06:57:14
2	Ca 315.887†	1404.8	1417.0	[1.000]	mg/L	06:57:34
2	Fe 238.204†	281.4	261.4	[100.00]	ug/L	06:57:34
2	K 766.490	1437.3	1656.8	[1.000]	mg/L	06:57:14
2	Li 670.784†	6538.1	6668.6	[100.00]	ug/L	06:57:14
2	Mg 279.071†	636.9	598.5	[1.000]	mg/L	06:57:34
2	Na 589.592†	7808.7	7680.5	[1.000]	mg/L	06:57:14
2	Sr 407.771†	94573.3	94966.3	[100.00]	ug/L	06:57:14
2	Ti 334.940†	2209.7	2244.2	[100.00]	ug/L	06:57:34
2	Y 360.076	263672.1	263672.1	99.4397	%	06:58:06

2	Ag 328.068†	6129.7	6167.1	[100.00] ug/L	06:58:06
2	As 188.979†	227.2	244.1	[500.00] ug/L	06:58:26
2	B 249.677†	2103.5	2046.3	[100.00] ug/L	06:58:26
2	Be 234.861†	1077.0	1629.0	[10.00] ug/L	06:58:26
2	Cd 214.437†	1701.1	1472.5	[100.00] ug/L	06:58:26
2	Co 228.616†	458.1	485.6	[100.00] ug/L	06:58:26
2	Cr 205.557†	639.6	647.0	[100.00] ug/L	06:58:26
2	Cu 327.397†	3416.3	3260.6	[100.00] ug/L	06:58:06
2	Mn 257.610†	10957.8	10837.4	[100.00] ug/L	06:58:06
2	Mo 202.031†	555.1	515.0	[100.00] ug/L	06:58:26
2	Ni 231.604†	1032.9	1028.9	[100.00] ug/L	06:58:26
2	Pb 220.353†	163.8	146.6	[100.00] ug/L	06:58:26
2	Sb 217.584†	560.3	594.9	[500.00] ug/L	06:58:26
2	Se 196.026†	367.1	351.2	[500.00] ug/L	06:58:26
2	Si 251.611†	5313.0	5264.5	[500.00] ug/L	06:58:26
2	Sn 189.927†	554.0	574.5	[500.00] ug/L	06:58:26
2	Tl 190.801†	263.0	274.9	[500.00] ug/L	06:58:26
2	V 292.395†	3477.4	3995.8	[100.00] ug/L	06:58:26
2	Zn 206.200†	469.7	481.2	[100.00] ug/L	06:58:26

Mean Data: 2D13001-CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	362945.2	5578.46	1.54%	97.8679	%
Y 360.076	262334.9	1891.17	0.72%	98.9354	%
Ag 328.068†	6226.1	83.44	1.34%	[100.00]	ug/L
Al 396.153†	2464.6	46.66	1.89%	[500.00]	ug/L
As 188.979†	250.2	8.50	3.40%	[500.00]	ug/L
B 249.677†	2056.4	14.27	0.69%	[100.00]	ug/L
Ba 455.398†	33322.8	488.61	1.47%	[100.00]	ug/L
Be 234.861†	1638.8	13.86	0.85%	[10.00]	ug/L
Ca 315.887†	1436.1	27.05	1.88%	[1.000]	mg/L
Cd 214.437†	1480.8	11.81	0.80%	[100.00]	ug/L
Co 228.616†	488.9	4.60	0.94%	[100.00]	ug/L
Cr 205.557†	651.6	6.53	1.00%	[100.00]	ug/L
Cu 327.397†	3276.4	22.35	0.68%	[100.00]	ug/L
Fe 238.204†	264.6	4.53	1.71%	[100.00]	ug/L
K 766.490	1651.4	7.55	0.46%	[1.000]	mg/L
Li 670.784†	6732.9	90.95	1.35%	[100.00]	ug/L
Mg 279.071†	603.8	7.58	1.26%	[1.000]	mg/L
Mn 257.610†	10920.7	117.86	1.08%	[100.00]	ug/L
Mo 202.031†	520.2	7.35	1.41%	[100.00]	ug/L
Na 589.592†	7747.8	95.24	1.23%	[1.000]	mg/L
Ni 231.604†	1039.6	15.18	1.46%	[100.00]	ug/L
Pb 220.353†	146.6	0.01	0.00%	[100.00]	ug/L
Sb 217.584†	599.7	6.79	1.13%	[500.00]	ug/L
Se 196.026†	352.4	1.61	0.46%	[500.00]	ug/L
Si 251.611†	5313.1	68.83	1.30%	[500.00]	ug/L
Sn 189.927†	575.5	1.41	0.25%	[500.00]	ug/L
Sr 407.771†	95924.5	1355.19	1.41%	[100.00]	ug/L
Ti 334.940†	2260.1	22.49	1.00%	[100.00]	ug/L
Tl 190.801†	275.6	0.98	0.36%	[500.00]	ug/L
V 292.395†	4026.8	43.80	1.09%	[100.00]	ug/L
Zn 206.200†	487.7	9.20	1.89%	[100.00]	ug/L

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Sequence No.: 4
Sample ID: 2D13001-CAL4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 4/13/2012 6:59:39 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D13001-CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	361263.4	361263.4	97.4144	%	07:00:45
1	Al 396.153†	11560.1	11875.2	[2500.00]	ug/L	07:00:45
1	Ba 455.398†	162194.2	166105.4	[500.00]	ug/L	07:00:45
1	Ca 315.887†	6858.5	7037.5	[5.000]	mg/L	07:01:05

1	Fe 238.204†	1292.0	1303.2	[500.00]	ug/L	07:01:05
1	K 766.490	8068.7	8288.2	[5.000]	mg/L	07:00:45
1	Li 670.784†	32849.2	33781.0	[500.00]	ug/L	07:00:45
1	Mg 279.071†	2917.2	2949.4	[5.000]	mg/L	07:01:05
1	Na 589.592†	37753.5	38543.1	[5.000]	mg/L	07:00:45
1	Sr 407.771†	467385.0	479162.0	[500.00]	ug/L	07:00:45
1	Ti 334.940†	10767.5	11064.0	[500.00]	ug/L	07:01:05
1	Y 360.076	261800.2	261800.2	98.7337	%	07:01:37
1	Ag 328.068†	28911.3	29284.9	[500.00]	ug/L	07:01:37
1	As 188.979†	1219.4	1250.8	[2500.00]	ug/L	07:01:57
1	B 249.677†	9751.4	9807.5	[500.00]	ug/L	07:01:37
1	Be 234.861†	7434.4	8075.7	[50.00]	ug/L	07:01:57
1	Cd 214.437†	7457.4	7314.8	[500.00]	ug/L	07:01:57
1	Co 228.616†	2370.1	2425.3	[500.00]	ug/L	07:01:57
1	Cr 205.557†	3210.6	3255.7	[500.00]	ug/L	07:01:57
1	Cu 327.397†	16455.2	16491.3	[500.00]	ug/L	07:01:37
1	Mn 257.610†	53073.4	53571.9	[500.00]	ug/L	07:01:37
1	Mo 202.031†	2578.6	2568.4	[500.00]	ug/L	07:01:57
1	Ni 231.604†	5102.9	5158.5	[500.00]	ug/L	07:01:57
1	Pb 220.353†	731.1	722.4	[500.00]	ug/L	07:01:57
1	Sb 217.584†	2926.9	2996.0	[2500.00]	ug/L	07:01:57
1	Se 196.026†	1772.6	1777.4	[2500.00]	ug/L	07:01:57
1	Si 251.611†	25621.7	25871.8	[2500.00]	ug/L	07:01:37
1	Sn 189.927†	3025.6	3081.8	[2500.00]	ug/L	07:01:57
1	Tl 190.801†	1371.4	1399.4	[2500.00]	ug/L	07:01:57
1	V 292.395†	18996.3	19738.7	[500.00]	ug/L	07:01:37
1	Zn 206.200†	2371.1	2410.4	[500.00]	ug/L	07:01:57
2	Sc 357.234	370003.4	370003.4	99.7711	%	07:01:10
2	Al 396.153†	11415.0	11449.5	[2500.00]	ug/L	07:01:10
2	Ba 455.398†	161227.7	161203.7	[500.00]	ug/L	07:01:10
2	Ca 315.887†	6875.2	6888.0	[5.000]	mg/L	07:01:30
2	Fe 238.204†	1300.4	1280.3	[500.00]	ug/L	07:01:30
2	K 766.490	7965.5	8185.0	[5.000]	mg/L	07:01:10
2	Li 670.784†	32581.8	32716.4	[500.00]	ug/L	07:01:10
2	Mg 279.071†	2910.2	2871.6	[5.000]	mg/L	07:01:30
2	Na 589.592†	37421.0	37294.3	[5.000]	mg/L	07:01:10
2	Sr 407.771†	464136.0	464572.2	[500.00]	ug/L	07:01:10
2	Ti 334.940†	10802.7	10838.2	[500.00]	ug/L	07:01:30
2	Y 360.076	264004.5	264004.5	99.5650	%	07:02:02
2	Ag 328.068†	28605.5	28733.3	[500.00]	ug/L	07:02:02
2	As 188.979†	1213.2	1234.2	[2500.00]	ug/L	07:02:22
2	B 249.677†	9724.0	9697.5	[500.00]	ug/L	07:02:02
2	Be 234.861†	7408.6	7986.9	[50.00]	ug/L	07:02:22
2	Cd 214.437†	7423.3	7217.5	[500.00]	ug/L	07:02:22
2	Co 228.616†	2349.9	2385.1	[500.00]	ug/L	07:02:22
2	Cr 205.557†	3186.4	3204.1	[500.00]	ug/L	07:02:22
2	Cu 327.397†	16293.5	16189.8	[500.00]	ug/L	07:02:02
2	Mn 257.610†	52905.2	52954.1	[500.00]	ug/L	07:02:02
2	Mo 202.031†	2583.7	2551.8	[500.00]	ug/L	07:02:22
2	Ni 231.604†	5075.3	5087.7	[500.00]	ug/L	07:02:22
2	Pb 220.353†	722.6	707.6	[500.00]	ug/L	07:02:22
2	Sb 217.584†	2932.5	2976.8	[2500.00]	ug/L	07:02:22
2	Se 196.026†	1757.1	1746.9	[2500.00]	ug/L	07:02:22
2	Si 251.611†	25440.4	25473.0	[2500.00]	ug/L	07:02:02
2	Sn 189.927†	3013.5	3044.1	[2500.00]	ug/L	07:02:22
2	Tl 190.801†	1356.4	1372.7	[2500.00]	ug/L	07:02:22
2	V 292.395†	18866.0	19447.2	[500.00]	ug/L	07:02:02
2	Zn 206.200†	2370.2	2389.4	[500.00]	ug/L	07:02:22

Mean Data: 2D13001-CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	365633.4	6180.13	1.69%	98.5928	%
Y 360.076	262902.3	1558.64	0.59%	99.1494	%
Ag 328.068†	29009.1	390.05	1.34%	[500.00]	ug/L
Al 396.153†	11662.4	301.06	2.58%	[2500.00]	ug/L
As 188.979†	1242.5	11.71	0.94%	[2500.00]	ug/L
B 249.677†	9752.5	77.84	0.80%	[500.00]	ug/L
Ba 455.398†	163654.6	3466.02	2.12%	[500.00]	ug/L
Be 234.861†	8031.3	62.78	0.78%	[50.00]	ug/L

Ca 315.887†	6962.7	105.76	1.52%	[5.000] mg/L
Cd 214.437†	7266.1	68.80	0.95%	[500.00] ug/L
Co 228.616†	2405.2	28.47	1.18%	[500.00] ug/L
Cr 205.557†	3229.9	36.43	1.13%	[500.00] ug/L
Cu 327.397†	16340.5	213.20	1.30%	[500.00] ug/L
Fe 238.204†	1291.8	16.22	1.26%	[500.00] ug/L
K 766.490	8236.6	73.01	0.89%	[5.000] mg/L
Li 670.784†	33248.7	752.75	2.26%	[500.00] ug/L
Mg 279.071†	2910.5	54.99	1.89%	[5.000] mg/L
Mn 257.610†	53263.0	436.84	0.82%	[500.00] ug/L
Mo 202.031†	2560.1	11.80	0.46%	[500.00] ug/L
Na 589.592†	37918.7	883.03	2.33%	[5.000] mg/L
Ni 231.604†	5123.1	50.13	0.98%	[500.00] ug/L
Pb 220.353†	715.0	10.42	1.46%	[500.00] ug/L
Sb 217.584†	2986.4	13.55	0.45%	[2500.00] ug/L
Se 196.026†	1762.2	21.57	1.22%	[2500.00] ug/L
Si 251.611†	25672.4	281.99	1.10%	[2500.00] ug/L
Sn 189.927†	3063.0	26.65	0.87%	[2500.00] ug/L
Sr 407.771†	471867.1	10316.54	2.19%	[500.00] ug/L
Ti 334.940†	10951.1	159.64	1.46%	[500.00] ug/L
Tl 190.801†	1386.0	18.86	1.36%	[2500.00] ug/L
V 292.395†	19593.0	206.12	1.05%	[500.00] ug/L
Zn 206.200†	2399.9	14.86	0.62%	[500.00] ug/L

Sequence No.: 5
Sample ID: 2D13001-CAL5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 4/13/2012 7:03:36 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D13001-CAL5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	365592.5	365592.5	98.5817	%	07:04:43
1	Al 396.153†	23106.9	23447.6	[5000]	ug/L	07:05:03
1	Ba 455.398†	328669.4	333004.1	[1000]	ug/L	07:04:43
1	Ca 315.887†	13947.0	14144.7	[10]	mg/L	07:05:03
1	Fe 238.204†	2606.1	2620.6	[1000]	ug/L	07:05:03
1	K 766.490	16325.0	16544.5	[10]	mg/L	07:05:03
1	Li 670.784†	66545.7	67562.9	[1000]	ug/L	07:04:43
1	Mg 279.071†	5811.2	5849.5	[10]	mg/L	07:05:03
1	Na 589.592†	76328.6	77214.2	[10]	mg/L	07:04:43
1	Sr 407.771†	947242.9	960242.3	[1000]	ug/L	07:04:43
1	Ti 334.940†	21811.4	22135.8	[1000]	ug/L	07:05:03
1	Y 360.076	263802.7	263802.7	99.4889	%	07:05:35
1	Ag 328.068†	53092.3	53367.9	[1000]	ug/L	07:05:35
1	As 188.979†	2451.0	2479.3	[5000]	ug/L	07:05:55
1	B 249.677†	20003.1	20036.8	[1000]	ug/L	07:05:35
1	Be 234.861†	15503.8	16129.4	[100]	ug/L	07:05:55
1	Cd 214.437†	14644.0	14480.9	[1000]	ug/L	07:05:55
1	Ce 413.764†	37568.6	36043.6	[1000]	ug/L	07:05:35
1	Co 228.616†	4773.2	4822.7	[1000]	ug/L	07:05:55
1	Cr 205.557†	6408.7	6445.5	[1000]	ug/L	07:05:55
1	Cu 327.397†	33887.2	33886.4	[1000]	ug/L	07:05:35
1	Mn 257.610†	107379.1	107748.6	[1000]	ug/L	07:05:35
1	Mo 202.031†	5158.1	5141.3	[1000]	ug/L	07:05:55
1	Ni 231.604†	10248.1	10290.9	[1000]	ug/L	07:05:55
1	Pb 220.353†	1458.3	1447.7	[1000]	ug/L	07:05:55
1	Sb 217.584†	5929.9	5991.8	[5000]	ug/L	07:05:55
1	Se 196.026†	3535.5	3535.8	[5000]	ug/L	07:05:55
1	Si 251.611†	51400.2	51585.7	[5000]	ug/L	07:05:35
1	Sn 189.927†	6167.8	6217.0	[5000]	ug/L	07:05:55
1	Tl 190.801†	2801.6	2826.4	[5000]	ug/L	07:05:55
1	V 292.395†	39181.5	39881.6	[1000]	ug/L	07:05:55
1	Zn 206.200†	4758.5	4791.8	[1000]	ug/L	07:05:55
2	Sc 357.234	368585.7	368585.7	99.3888	%	07:05:08
2	Al 396.153†	22978.5	23128.1	[5000]	ug/L	07:05:28
2	Ba 455.398†	323290.5	324884.8	[1000]	ug/L	07:05:08
2	Ca 315.887†	13891.7	13974.2	[10]	mg/L	07:05:28

2	Fe 238.204†	2609.6	2602.6	[1000] ug/L	07:05:28
2	K 766.490	16228.4	16447.9	[10] mg/L	07:05:28
2	Li 670.784†	65515.6	65978.4	[1000] ug/L	07:05:08
2	Mg 279.071†	5790.2	5780.5	[10] mg/L	07:05:28
2	Na 589.592†	75131.6	75381.0	[10] mg/L	07:05:08
2	Sr 407.771†	932819.0	937926.7	[1000] ug/L	07:05:08
2	Ti 334.940†	21816.9	21961.8	[1000] ug/L	07:05:28
2	Y 360.076	266423.0	266423.0	100.477 %	07:06:00
2	Ag 328.068†	48450.7	48223.5	[1000] ug/L	07:06:00
2	As 188.979†	2439.9	2444.0	[5000] ug/L	07:06:20
2	B 249.677†	19990.5	19826.6	[1000] ug/L	07:06:00
2	Be 234.861†	15465.2	15937.7	[100] ug/L	07:06:20
2	Cd 214.437†	14623.1	14315.4	[1000] ug/L	07:06:20
2	Ce 413.764†	37428.3	35532.6	[1000] ug/L	07:06:00
2	Co 228.616†	4764.5	4766.8	[1000] ug/L	07:06:20
2	Cr 205.557†	6387.7	6361.2	[1000] ug/L	07:06:20
2	Cu 327.397†	33552.4	33218.1	[1000] ug/L	07:06:00
2	Mn 257.610†	106748.3	106059.2	[1000] ug/L	07:06:00
2	Mo 202.031†	5146.7	5079.1	[1000] ug/L	07:06:20
2	Ni 231.604†	10209.7	10151.4	[1000] ug/L	07:06:20
2	Pb 220.353†	1463.0	1438.0	[1000] ug/L	07:06:20
2	Sb 217.584†	5935.1	5938.4	[5000] ug/L	07:06:20
2	Se 196.026†	3537.7	3503.0	[5000] ug/L	07:06:20
2	Si 251.611†	51124.4	50803.1	[5000] ug/L	07:06:00
2	Sn 189.927†	6165.8	6154.0	[5000] ug/L	07:06:20
2	Tl 190.801†	2799.1	2796.2	[5000] ug/L	07:06:20
2	V 292.395†	39029.1	39342.5	[1000] ug/L	07:06:20
2	Zn 206.200†	4759.3	4745.6	[1000] ug/L	07:06:20

Mean Data: 2D13001-CAL5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	367089.1	2116.51	0.58%	98.9853	%
Y 360.076	265112.9	1852.86	0.70%	99.9830	%
Ag 328.068†	50795.7	3637.64	7.16%	[1000]	ug/L
Al 396.153†	23287.9	225.92	0.97%	[5000]	ug/L
As 188.979†	2461.7	24.94	1.01%	[5000]	ug/L
B 249.677†	19931.7	148.69	0.75%	[1000]	ug/L
Ba 455.398†	328944.4	5741.25	1.75%	[1000]	ug/L
Be 234.861†	16033.5	135.50	0.85%	[100]	ug/L
Ca 315.887†	14059.4	120.60	0.86%	[10]	mg/L
Cd 214.437†	14398.2	117.03	0.81%	[1000]	ug/L
Ce 413.764†	35788.1	361.32	1.01%	[1000]	ug/L
Co 228.616†	4794.7	39.52	0.82%	[1000]	ug/L
Cr 205.557†	6403.3	59.60	0.93%	[1000]	ug/L
Cu 327.397†	33552.2	472.56	1.41%	[1000]	ug/L
Fe 238.204†	2611.6	12.69	0.49%	[1000]	ug/L
K 766.490	16496.2	68.31	0.41%	[10]	mg/L
Li 670.784†	66770.7	1120.43	1.68%	[1000]	ug/L
Mg 279.071†	5815.0	48.82	0.84%	[10]	mg/L
Mn 257.610†	106903.9	1194.58	1.12%	[1000]	ug/L
Mo 202.031†	5110.2	44.02	0.86%	[1000]	ug/L
Na 589.592†	76297.6	1296.25	1.70%	[10]	mg/L
Ni 231.604†	10221.2	98.62	0.96%	[1000]	ug/L
Pb 220.353†	1442.8	6.89	0.48%	[1000]	ug/L
Sb 217.584†	5965.1	37.77	0.63%	[5000]	ug/L
Se 196.026†	3519.4	23.22	0.66%	[5000]	ug/L
Si 251.611†	51194.4	553.37	1.08%	[5000]	ug/L
Sn 189.927†	6185.5	44.56	0.72%	[5000]	ug/L
Sr 407.771†	949084.5	15779.52	1.66%	[1000]	ug/L
Ti 334.940†	22048.8	123.10	0.56%	[1000]	ug/L
Tl 190.801†	2811.3	21.32	0.76%	[5000]	ug/L
V 292.395†	39612.1	381.16	0.96%	[1000]	ug/L
Zn 206.200†	4768.7	32.65	0.68%	[1000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	4	Lin, Calc Int	803.5	51.30	0.00000	0.997579	

Al 396.153	4	Lin, Calc Int	71.2	4.643	0.00000	0.999987
As 188.979	4	Lin, Calc Int	3.0	0.4926	0.00000	0.999989
B 249.677	4	Lin, Calc Int	49.1	19.79	0.00000	0.999885
Ba 455.398	4	Lin, Calc Int	108.5	328.5	0.00000	0.999995
Be 234.861	4	Lin, Calc Int	17.9	160.2	0.00000	0.999998
Ca 315.887	4	Lin, Calc Int	19.2	1401	0.00000	0.999976
Cd 214.437	4	Lin, Calc Int	21.0	14.40	0.00000	0.999988
Ce 413.764	1	Lin, Calc Int	0.0	35.79	0.00000	1.000000
Co 228.616	4	Lin, Calc Int	3.4	4.794	0.00000	0.999997
Cr 205.557	4	Lin, Calc Int	7.6	6.406	0.00000	0.999991
Cu 327.397	4	Lin, Calc Int	-76.9	33.47	0.00000	0.999917
Fe 238.204	4	Lin, Calc Int	0.9	2.605	0.00000	0.999981
K 766.490	4	Lin, Calc Int	15.2	1647	0.00000	0.999996
Li 670.784	4	Lin, Calc Int	11.2	66.71	0.00000	0.999997
Mg 279.071	4	Lin, Calc Int	14.2	580.0	0.00000	0.999992
Mn 257.610	4	Lin, Calc Int	64.2	106.8	0.00000	0.999996
Mo 202.031	3	Lin, Calc Int	5.0	5.107	0.00000	0.999998
Na 589.592	4	Lin, Calc Int	126.5	7606	0.00000	0.999982
Ni 231.604	4	Lin, Calc Int	7.3	10.22	0.00000	0.999998
Pb 220.353	4	Lin, Calc Int	-0.6	1.441	0.00000	0.999986
Sb 217.584	4	Lin, Calc Int	1.0	1.193	0.00000	1.000000
Se 196.026	4	Lin, Calc Int	0.1	0.7041	0.00000	1.000000
Si 251.611	4	Lin, Calc Int	85.0	10.23	0.00000	0.999994
Sn 189.927	4	Lin, Calc Int	-22.0	1.240	0.00000	0.999977
Sr 407.771	4	Lin, Calc Int	933.4	947.0	0.00000	0.999990
Ti 334.940	3	Lin, Calc Int	10.9	22.01	0.00000	0.999988
Tl 190.801	4	Lin, Calc Int	-4.0	0.5616	0.00000	0.999975
V 292.395	4	Lin, Calc Int	-24.1	39.56	0.00000	0.999982
Zn 206.200	4	Lin, Calc Int	8.6	4.765	0.00000	0.999995

Sequence No.: 6
Sample ID: 2D13001-SCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 4/13/2012 7:07:35 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D13001-SCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	356134.0	356134.0	96.0312	%			07:08:40
1	Al 396.153†	11179.3	11649.5	2488.09	ug/L	2488.09	ug/L	07:08:40
1	Ba 455.398†	157108.9	163208.1	496.472	ug/L	496.472	ug/L	07:08:40
1	Ca 315.887†	6732.3	7007.6	4.98729	mg/L	4.98729	mg/L	07:09:00
1	Fe 238.204†	1302.1	1332.8	511.351	ug/L	511.351	ug/L	07:09:00
1	K 766.490	7794.6	8014.1	4.85587	mg/L	4.85587	mg/L	07:08:40
1	Li 670.784†	32091.7	33477.9	501.697	ug/L	501.697	ug/L	07:08:40
1	Mg 279.071†	2857.5	2930.3	5.02754	mg/L	5.02754	mg/L	07:09:00
1	Na 589.592†	36891.0	38203.1	5.00582	mg/L	5.00582	mg/L	07:08:40
1	Sr 407.771†	455419.1	473612.1	498.646	ug/L	498.646	ug/L	07:08:40
1	Ti 334.940†	10637.9	11088.3	503.282	ug/L	503.282	ug/L	07:09:00
1	Y 360.076	259356.8	259356.8	97.8122	%			07:09:32
1	Ag 328.068†	28249.6	28884.3	547.876	ug/L	547.876	ug/L	07:09:32
1	As 188.979†	1206.8	1249.5	2528.61	ug/L	2528.61	ug/L	07:09:52
1	B 249.677†	9698.6	9846.6	493.057	ug/L	493.057	ug/L	07:09:32
1	Be 234.861†	7197.8	7904.7	49.0963	ug/L	49.0963	ug/L	07:09:52
1	Cd 214.437†	7280.8	7205.3	498.640	ug/L	498.640	ug/L	07:09:52
1	Ce 413.764†	1706.5	26.7	0.624533	ug/L	0.624533	ug/L	07:09:32
1	Co 228.616†	2300.3	2376.7	494.030	ug/L	494.030	ug/L	07:09:52
1	Cr 205.557†	3143.4	3217.5	501.123	ug/L	501.123	ug/L	07:09:52
1	Cu 327.397†	16247.7	16436.2	494.059	ug/L	494.059	ug/L	07:09:32
1	Mn 257.610†	52589.2	53583.2	501.276	ug/L	501.276	ug/L	07:09:32
1	Mo 202.031†	2543.4	2557.1	499.761	ug/L	499.761	ug/L	07:09:52
1	Ni 231.604†	5035.7	5138.5	502.683	ug/L	502.683	ug/L	07:09:52
1	Pb 220.353†	717.2	715.1	497.989	ug/L	497.989	ug/L	07:09:52
1	Sb 217.584†	2864.5	2960.1	2481.47	ug/L	2481.47	ug/L	07:09:52
1	Se 196.026†	1708.3	1728.6	2454.21	ug/L	2454.21	ug/L	07:09:52
1	Si 251.611†	26157.8	26664.3	2580.37	ug/L	2580.37	ug/L	07:09:32
1	Sn 189.927†	2985.8	3070.0	2494.23	ug/L	2494.23	ug/L	07:09:52
1	Tl 190.801†	1336.0	1376.3	2458.75	ug/L	2458.75	ug/L	07:09:52

1	V 292.395†	18734.0	19651.8	506.311 ug/L	506.311 ug/L	07:09:32
1	Zn 206.200†	2317.3	2378.0	497.036 ug/L	497.036 ug/L	07:09:52
2	Sc 357.234	368818.9	368818.9	99.4517 %		07:09:06
2	Al 396.153†	11225.0	11295.2	2411.79 ug/L	2411.79 ug/L	07:09:06
2	Ba 455.398†	157634.3	158109.6	480.952 ug/L	480.952 ug/L	07:09:06
2	Ca 315.887†	6729.5	6763.6	4.81320 mg/L	4.81320 mg/L	07:09:26
2	Fe 238.204†	1311.6	1295.8	497.109 ug/L	497.109 ug/L	07:09:26
2	K 766.490	7810.4	8029.9	4.86543 mg/L	4.86543 mg/L	07:09:06
2	Li 670.784†	32110.5	32347.4	484.752 ug/L	484.752 ug/L	07:09:06
2	Mg 279.071†	2837.4	2807.7	4.81625 mg/L	4.81625 mg/L	07:09:26
2	Na 589.592†	36899.3	36890.2	4.83321 mg/L	4.83321 mg/L	07:09:06
2	Sr 407.771†	457529.3	459423.3	483.680 ug/L	483.680 ug/L	07:09:06
2	Ti 334.940†	10654.5	10724.0	486.730 ug/L	486.730 ug/L	07:09:26
2	Y 360.076	262878.9	262878.9	99.1405 %		07:09:57
2	Ag 328.068†	27314.5	27554.2	521.933 ug/L	521.933 ug/L	07:09:57
2	As 188.979†	1197.2	1223.3	2475.63 ug/L	2475.63 ug/L	07:10:17
2	B 249.677†	9686.6	9701.7	485.763 ug/L	485.763 ug/L	07:09:57
2	Be 234.861†	7215.8	7824.3	48.5986 ug/L	48.5986 ug/L	07:10:17
2	Cd 214.437†	7297.3	7122.3	492.879 ug/L	492.879 ug/L	07:10:17
2	Ce 413.764†	1739.7	36.8	0.910564 ug/L	0.910564 ug/L	07:09:57
2	Co 228.616†	2304.9	2349.8	488.465 ug/L	488.465 ug/L	07:10:17
2	Cr 205.557†	3159.1	3190.3	496.878 ug/L	496.878 ug/L	07:10:17
2	Cu 327.397†	16119.7	16084.5	483.529 ug/L	483.529 ug/L	07:09:57
2	Mn 257.610†	52444.2	52716.7	493.159 ug/L	493.159 ug/L	07:09:57
2	Mo 202.031†	2544.6	2523.5	493.182 ug/L	493.182 ug/L	07:10:17
2	Ni 231.604†	5018.5	5052.2	494.228 ug/L	494.228 ug/L	07:10:17
2	Pb 220.353†	723.4	711.6	495.541 ug/L	495.541 ug/L	07:10:17
2	Sb 217.584†	2881.2	2937.7	2462.70 ug/L	2462.70 ug/L	07:10:17
2	Se 196.026†	1721.6	1718.6	2440.00 ug/L	2440.00 ug/L	07:10:17
2	Si 251.611†	25913.4	26059.5	2521.77 ug/L	2521.77 ug/L	07:09:57
2	Sn 189.927†	2986.7	3030.1	2462.03 ug/L	2462.03 ug/L	07:10:17
2	Tl 190.801†	1341.5	1363.6	2436.07 ug/L	2436.07 ug/L	07:10:17
2	V 292.395†	18571.4	19231.3	495.569 ug/L	495.569 ug/L	07:09:57
2	Zn 206.200†	2328.3	2357.4	492.716 ug/L	492.716 ug/L	07:10:17

Mean Data: 2D13001-SCV1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	362476.4	97.7415	%	2.41864				2.47%
Y 360.076	261117.8	98.4764	%	0.93926				0.95%
Ag 328.068†	28219.2	534.904	ug/L	18.3439	534.904	ug/L	18.3439	3.43%
QC value within limits for Ag 328.068 Recovery = 106.98%								
Al 396.153†	11472.4	2449.94	ug/L	53.951	2449.94	ug/L	53.951	2.20%
QC value within limits for Al 396.153 Recovery = 98.00%								
As 188.979†	1236.4	2502.12	ug/L	37.464	2502.12	ug/L	37.464	1.50%
QC value within limits for As 188.979 Recovery = 100.08%								
B 249.677†	9774.1	489.410	ug/L	5.1581	489.410	ug/L	5.1581	1.05%
QC value within limits for B 249.677 Recovery = 97.88%								
Ba 455.398†	160658.8	488.712	ug/L	10.9741	488.712	ug/L	10.9741	2.25%
QC value within limits for Ba 455.398 Recovery = 97.74%								
Be 234.861†	7864.5	48.8474	ug/L	0.35193	48.8474	ug/L	0.35193	0.72%
QC value within limits for Be 234.861 Recovery = 97.69%								
Ca 315.887†	6885.6	4.90025	mg/L	0.123099	4.90025	mg/L	0.123099	2.51%
QC value within limits for Ca 315.887 Recovery = 98.00%								
Cd 214.437†	7163.8	495.760	ug/L	4.0740	495.760	ug/L	4.0740	0.82%
QC value within limits for Cd 214.437 Recovery = 99.15%								
Ce 413.764†	31.8	0.767548	ug/L	0.2022545	0.767548	ug/L	0.2022545	26.35%
Co 228.616†	2363.2	491.248	ug/L	3.9350	491.248	ug/L	3.9350	0.80%
QC value within limits for Co 228.616 Recovery = 98.25%								
Cr 205.557†	3203.9	499.001	ug/L	3.0018	499.001	ug/L	3.0018	0.60%
QC value within limits for Cr 205.557 Recovery = 99.80%								
Cu 327.397†	16260.3	488.794	ug/L	7.4457	488.794	ug/L	7.4457	1.52%
QC value within limits for Cu 327.397 Recovery = 97.76%								
Fe 238.204†	1314.3	504.230	ug/L	10.0703	504.230	ug/L	10.0703	2.00%
QC value within limits for Fe 238.204 Recovery = 100.85%								
K 766.490	8022.0	4.86065	mg/L	0.006758	4.86065	mg/L	0.006758	0.14%
QC value within limits for K 766.490 Recovery = 97.21%								
Li 670.784†	32912.6	493.225	ug/L	11.9825	493.225	ug/L	11.9825	2.43%
QC value within limits for Li 670.784 Recovery = 98.64%								
Mg 279.071†	2869.0	4.92190	mg/L	0.149403	4.92190	mg/L	0.149403	3.04%

	QC value within limits for Mg 279.071 Recovery = 98.44%						
Mn 257.610†	53150.0	497.218 ug/L	5.7391	497.218 ug/L	5.7391	1.15%	
	QC value within limits for Mn 257.610 Recovery = 99.44%						
Mo 202.031†	2540.3	496.471 ug/L	4.6516	496.471 ug/L	4.6516	0.94%	
	QC value within limits for Mo 202.031 Recovery = 99.29%						
Na 589.592†	37546.6	4.91951 mg/L	0.122054	4.91951 mg/L	0.122054	2.48%	
	QC value within limits for Na 589.592 Recovery = 98.39%						
Ni 231.604†	5095.3	498.456 ug/L	5.9783	498.456 ug/L	5.9783	1.20%	
	QC value within limits for Ni 231.604 Recovery = 99.69%						
Pb 220.353†	713.3	496.765 ug/L	1.7307	496.765 ug/L	1.7307	0.35%	
	QC value within limits for Pb 220.353 Recovery = 99.35%						
Sb 217.584†	2948.9	2472.08 ug/L	13.270	2472.08 ug/L	13.270	0.54%	
	QC value within limits for Sb 217.584 Recovery = 98.88%						
Se 196.026†	1723.6	2447.11 ug/L	10.049	2447.11 ug/L	10.049	0.41%	
	QC value within limits for Se 196.026 Recovery = 97.88%						
Si 251.611†	26361.9	2551.07 ug/L	41.436	2551.07 ug/L	41.436	1.62%	
	QC value within limits for Si 251.611 Recovery = 102.04%						
Sn 189.927†	3050.0	2478.13 ug/L	22.766	2478.13 ug/L	22.766	0.92%	
	QC value within limits for Sn 189.927 Recovery = 99.13%						
Sr 407.771†	466517.7	491.163 ug/L	10.5825	491.163 ug/L	10.5825	2.15%	
	QC value within limits for Sr 407.771 Recovery = 98.23%						
Ti 334.940†	10906.1	495.006 ug/L	11.7039	495.006 ug/L	11.7039	2.36%	
	QC value within limits for Ti 334.940 Recovery = 99.00%						
Tl 190.801†	1369.9	2447.41 ug/L	16.041	2447.41 ug/L	16.041	0.66%	
	QC value within limits for Tl 190.801 Recovery = 97.90%						
V 292.395†	19441.6	500.940 ug/L	7.5960	500.940 ug/L	7.5960	1.52%	
	QC value within limits for V 292.395 Recovery = 100.19%						
Zn 206.200†	2367.7	494.876 ug/L	3.0550	494.876 ug/L	3.0550	0.62%	
	QC value within limits for Zn 206.200 Recovery = 98.98%						

All analyte(s) passed QC.

Sequence No.: 7 **Autosampler Location: 1**
Sample ID: 2D13001-CCB **Date Collected: 4/13/2012 7:11:34 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2D13001-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	360465.4	360465.4	97.1992	%			07:12:39
1	Al 396.153†	6.7	15.1	-12.0932	ug/L	-12.0932	ug/L	07:12:59
1	Ba 455.398†	370.3	-12.8	-0.369290	ug/L	-0.369290	ug/L	07:12:39
1	Ca 315.887†	0.5	-2.4	-0.0154319	mg/L	-0.0154319	mg/L	07:12:59
1	Fe 238.204†	22.7	0.3	-0.221040	ug/L	-0.221040	ug/L	07:12:59
1	K 766.490	-191.7	27.8	0.0076447	mg/L	0.0076447	mg/L	07:12:39
1	Li 670.784†	-85.1	-27.6	-0.582538	ug/L	-0.582538	ug/L	07:12:39
1	Mg 279.071†	47.8	4.0	-0.0176100	mg/L	-0.0176100	mg/L	07:12:59
1	Na 589.592†	263.4	58.5	-0.0089421	mg/L	-0.0089421	mg/L	07:12:39
1	Sr 407.771†	641.4	31.4	-0.950996	ug/L	-0.950996	ug/L	07:12:39
1	Ti 334.940†	-6.2	4.3	-0.297817	ug/L	-0.297817	ug/L	07:12:59
1	Y 360.076	262160.2	262160.2	98.8695	%			07:13:30
1	Ag 328.068†	30.2	33.3	-15.0136	ug/L	-15.0136	ug/L	07:13:51
1	As 188.979†	-13.7	1.9	-2.29716	ug/L	-2.29716	ug/L	07:13:51
1	B 249.677†	264.5	198.6	7.55819	ug/L	7.55819	ug/L	07:13:51
1	Be 234.861†	-545.5	-5.7	-0.147215	ug/L	-0.147215	ug/L	07:13:51
1	Cd 214.437†	242.6	7.2	-0.961659	ug/L	-0.961659	ug/L	07:13:51
1	Ce 413.764†	1716.7	18.3	0.512259	ug/L	0.512259	ug/L	07:13:30
1	Co 228.616†	-26.7	-2.1	-1.15431	ug/L	-1.15431	ug/L	07:13:51
1	Cr 205.557†	-9.4	-5.7	-2.07816	ug/L	-2.07816	ug/L	07:13:51
1	Cu 327.397†	214.8	42.3	3.55992	ug/L	3.55992	ug/L	07:13:30
1	Mn 257.610†	187.5	7.5	-0.531655	ug/L	-0.531655	ug/L	07:13:51
1	Mo 202.031†	50.5	7.9	0.567425	ug/L	0.567425	ug/L	07:13:51
1	Ni 231.604†	10.9	1.2	-0.587665	ug/L	-0.587665	ug/L	07:13:51
1	Pb 220.353†	17.7	-0.2	0.280963	ug/L	0.280963	ug/L	07:13:51
1	Sb 217.584†	-29.3	1.9	0.718329	ug/L	0.718329	ug/L	07:13:51
1	Se 196.026†	23.8	6.2	8.69127	ug/L	8.69127	ug/L	07:13:51
1	Si 251.611†	81.9	4.3	-7.88487	ug/L	-7.88487	ug/L	07:13:51
1	Sn 189.927†	-13.2	4.1	21.0056	ug/L	21.0056	ug/L	07:13:51

1	Tl 190.801†	-11.9	-1.6	4.28094 ug/L	4.28094 ug/L	07:13:51
1	V 292.395†	-489.6	3.6	0.712956 ug/L	0.712956 ug/L	07:13:30
1	Zn 206.200†	-8.2	0.6	-1.68418 ug/L	-1.68418 ug/L	07:13:51
2	Sc 357.234	369771.5	369771.5	99.7086 %		07:13:04
2	Al 396.153†	-6.5	1.8	-14.9697 ug/L	-14.9697 ug/L	07:13:24
2	Ba 455.398†	382.0	-10.7	-0.362936 ug/L	-0.362936 ug/L	07:13:04
2	Ca 315.887†	-0.7	-3.7	-0.0163205 mg/L	-0.0163205 mg/L	07:13:24
2	Fe 238.204†	28.1	5.1	1.63688 ug/L	1.63688 ug/L	07:13:24
2	K 766.490	-233.0	-13.5	-0.0174551 mg/L	-0.0174551 mg/L	07:13:04
2	Li 670.784†	-79.2	-19.5	-0.461512 ug/L	-0.461512 ug/L	07:13:04
2	Mg 279.071†	46.6	1.5	-0.0218659 mg/L	-0.0218659 mg/L	07:13:24
2	Na 589.592†	186.7	-25.3	-0.0199536 mg/L	-0.0199536 mg/L	07:13:04
2	Sr 407.771†	604.9	-21.8	-1.00702 ug/L	-1.00702 ug/L	07:13:04
2	Ti 334.940†	-10.1	0.5	-0.472280 ug/L	-0.472280 ug/L	07:13:24
2	Y 360.076	267424.8	267424.8	100.855 %		07:13:56
2	Ag 328.068†	31.8	34.3	-14.9930 ug/L	-14.9930 ug/L	07:14:16
2	As 188.979†	-19.1	-3.2	-12.6234 ug/L	-12.6234 ug/L	07:14:16
2	B 249.677†	248.6	177.5	6.49558 ug/L	6.49558 ug/L	07:14:16
2	Be 234.861†	-539.0	11.5	-0.0399043 ug/L	-0.0399043 ug/L	07:14:16
2	Cd 214.437†	243.9	3.5	-1.21271 ug/L	-1.21271 ug/L	07:14:16
2	Ce 413.764†	1714.7	-17.9	-0.498620 ug/L	-0.498620 ug/L	07:13:56
2	Co 228.616†	-29.5	-4.4	-1.62750 ug/L	-1.62750 ug/L	07:14:16
2	Cr 205.557†	-3.1	0.7	-1.07194 ug/L	-1.07194 ug/L	07:14:16
2	Cu 327.397†	215.1	38.3	3.44257 ug/L	3.44257 ug/L	07:13:56
2	Mn 257.610†	174.9	-8.8	-0.684098 ug/L	-0.684098 ug/L	07:14:16
2	Mo 202.031†	50.3	6.6	0.323620 ug/L	0.323620 ug/L	07:14:16
2	Ni 231.604†	1.7	-8.1	-1.50066 ug/L	-1.50066 ug/L	07:14:16
2	Pb 220.353†	20.1	1.8	1.71237 ug/L	1.71237 ug/L	07:14:16
2	Sb 217.584†	-38.8	-6.9	-6.66153 ug/L	-6.66153 ug/L	07:14:16
2	Se 196.026†	16.7	-1.4	-2.09612 ug/L	-2.09612 ug/L	07:14:16
2	Si 251.611†	84.1	4.9	-7.81907 ug/L	-7.81907 ug/L	07:14:16
2	Sn 189.927†	-16.8	0.8	18.3669 ug/L	18.3669 ug/L	07:14:16
2	Tl 190.801†	-6.2	4.3	14.7652 ug/L	14.7652 ug/L	07:14:16
2	V 292.395†	-510.0	-6.9	0.443090 ug/L	0.443090 ug/L	07:13:56
2	Zn 206.200†	-11.8	-2.9	-2.40200 ug/L	-2.40200 ug/L	07:14:16

Mean Data: 2D13001-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	365118.5	98.4539	%	1.77440				1.80%
Y 360.076	264792.5	99.8622	%	1.40394				1.41%
Ag 328.068†	33.8	-15.0033	ug/L	0.01458	-15.0033	ug/L	0.01458	0.10%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 396.153†	8.4	-13.5315	ug/L	2.03400	-13.5315	ug/L	2.03400	15.03%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-0.7	-7.46027	ug/L	7.301734	-7.46027	ug/L	7.301734	97.87%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	188.1	7.02689	ug/L	0.751377	7.02689	ug/L	0.751377	10.69%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	-11.7	-0.366113	ug/L	0.0044926	-0.366113	ug/L	0.0044926	1.23%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	2.9	-0.0935598	ug/L	0.07588031	-0.0935598	ug/L	0.07588031	81.10%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-3.1	-0.0158762	mg/L	0.00062833	-0.0158762	mg/L	0.00062833	3.96%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	5.3	-1.08719	ug/L	0.177523	-1.08719	ug/L	0.177523	16.33%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	0.2	0.0068193	ug/L	0.71479934	0.0068193	ug/L	0.71479934	>999.9%
Co 228.616†	-3.3	-1.39091	ug/L	0.334601	-1.39091	ug/L	0.334601	24.06%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-2.5	-1.57505	ug/L	0.711507	-1.57505	ug/L	0.711507	45.17%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	40.3	3.50124	ug/L	0.082977	3.50124	ug/L	0.082977	2.37%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	2.7	0.707919	ug/L	1.3137453	0.707919	ug/L	1.3137453	185.58%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	7.2	-0.0049052	mg/L	0.01774827	-0.0049052	mg/L	0.01774827	361.83%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	-23.6	-0.522025	ug/L	0.0855782	-0.522025	ug/L	0.0855782	16.39%
QC value within limits for Li 670.784 Recovery = Not calculated								

```
Mg 279.071†              2.7  -0.0197379 mg/L    0.00300938  -0.0197379 mg/L    0.00300938  15.25%
   QC value within limits for Mg 279.071  Recovery = Not calculated
Mn 257.610†             -0.7   -0.607876 ug/L     0.1077940   -0.607876 ug/L     0.1077940  17.73%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Mo 202.031†              7.3    0.445522 ug/L     0.1723968    0.445522 ug/L     0.1723968  38.70%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Na 589.592†             16.6  -0.0144479 mg/L    0.00778627  -0.0144479 mg/L    0.00778627  53.89%
   QC value within limits for Na 589.592  Recovery = Not calculated
Ni 231.604†             -3.4    -1.04416 ug/L      0.645586    -1.04416 ug/L      0.645586  61.83%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Pb 220.353†              0.8    0.996668 ug/L     1.0121599    0.996668 ug/L     1.0121599 101.55%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 217.584†             -2.5    -2.97160 ug/L      5.218347    -2.97160 ug/L      5.218347 175.61%
   QC value within limits for Sb 217.584  Recovery = Not calculated
Se 196.026†              2.4     3.29757 ug/L      7.627835     3.29757 ug/L      7.627835 231.32%
   QC value within limits for Se 196.026  Recovery = Not calculated
Si 251.611†              4.6    -7.85197 ug/L      0.046529    -7.85197 ug/L      0.046529   0.59%
   QC value within limits for Si 251.611  Recovery = Not calculated
Sn 189.927†              2.5     19.6862 ug/L       1.86585     19.6862 ug/L       1.86585   9.48%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Sr 407.771†              4.8   -0.979008 ug/L     0.0396144   -0.979008 ug/L     0.0396144   4.05%
   QC value within limits for Sr 407.771  Recovery = Not calculated
Ti 334.940†              2.4   -0.385048 ug/L     0.1233645   -0.385048 ug/L     0.1233645  32.04%
   QC value within limits for Ti 334.940  Recovery = Not calculated
Tl 190.801†              1.4     9.52309 ug/L      7.413525     9.52309 ug/L      7.413525  77.85%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 292.395†              -1.6    0.578023 ug/L     0.1908239    0.578023 ug/L     0.1908239  33.01%
   QC value within limits for V 292.395  Recovery = Not calculated
Zn 206.200†             -1.2    -2.04309 ug/L      0.507574    -2.04309 ug/L      0.507574  24.84%
   QC value within limits for Zn 206.200  Recovery = Not calculated
QC Failed.  Continue with analysis.
```

Sequence No.: 8 **Autosampler Location: 10**
Sample ID: 2D13001-CRL1 **Date Collected: 4/13/2012 7:15:31 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2D13001-CRL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	297342.5	297342.5	80.1782	%			07:16:37
1	Al 396.153†	563.2	710.7	135.312	ug/L	135.312	ug/L	07:16:37
1	Ba 455.398†	7775.3	9303.8	27.9899	ug/L	27.9899	ug/L	07:16:37
1	Ca 315.887†	1487.5	1852.3	1.30817	mg/L	1.30817	mg/L	07:16:57
1	Fe 238.204†	72.5	67.4	25.5322	ug/L	25.5322	ug/L	07:16:57
1	K 766.490	151.5	371.0	0.215982	mg/L	0.215982	mg/L	07:16:37
1	Li 670.784†	1138.9	1480.3	22.0227	ug/L	22.0227	ug/L	07:16:37
1	Mg 279.071†	677.9	800.3	1.35526	mg/L	1.35526	mg/L	07:16:57
1	Na 589.592†	8774.2	10730.9	1.39412	mg/L	1.39412	mg/L	07:16:37
1	Sr 407.771†	107152.7	133014.8	139.346	ug/L	139.346	ug/L	07:16:37
1	Ti 334.940†	4552.1	5688.2	257.938	ug/L	257.938	ug/L	07:16:37
1	Y 360.076	269160.1	269160.1	101.509	%			07:17:29
1	Ag 328.068†	605.6	599.5	-3.90740	ug/L	-3.90740	ug/L	07:17:49
1	As 188.979†	86.3	100.8	197.446	ug/L	197.446	ug/L	07:17:49
1	B 249.677†	2067.1	1967.4	96.7107	ug/L	96.7107	ug/L	07:17:29
1	Be 234.861†	-211.2	337.9	2.00576	ug/L	2.00576	ug/L	07:17:49
1	Cd 214.437†	382.3	138.4	8.20111	ug/L	8.20111	ug/L	07:17:49
1	Ce 413.764†	1696.3	-46.9	-1.36018	ug/L	-1.36018	ug/L	07:17:29
1	Co 228.616†	75.8	99.6	19.4731	ug/L	19.4731	ug/L	07:17:49
1	Cr 205.557†	121.1	123.1	18.0196	ug/L	18.0196	ug/L	07:17:49
1	Cu 327.397†	845.2	657.7	22.2327	ug/L	22.2327	ug/L	07:17:29
1	Mn 257.610†	2485.7	2266.6	20.6275	ug/L	20.6275	ug/L	07:17:49
1	Mo 202.031†	1046.4	987.7	192.436	ug/L	192.436	ug/L	07:17:49
1	Ni 231.604†	212.9	200.0	19.2272	ug/L	19.2272	ug/L	07:17:49
1	Pb 220.353†	168.2	147.6	103.763	ug/L	103.763	ug/L	07:17:49
1	Sb 217.584†	209.9	238.4	198.978	ug/L	198.978	ug/L	07:17:49
1	Se 196.026†	163.0	142.7	202.527	ug/L	202.527	ug/L	07:17:49
1	Si 251.611†	2140.1	2029.8	181.001	ug/L	181.001	ug/L	07:17:49

1	Sn 189.927†	190.7	205.4	183.369 ug/L	183.369 ug/L	07:17:49
1	Tl 190.801†	106.4	115.2	213.405 ug/L	213.405 ug/L	07:17:49
1	V 292.395†	189.3	685.3	21.4558 ug/L	21.4558 ug/L	07:17:29
1	Zn 206.200†	91.8	99.3	19.0183 ug/L	19.0183 ug/L	07:17:49
2	Sc 357.234	379683.7	379683.7	102.381 %		07:17:02
2	Al 396.153†	513.3	509.6	91.8306 ug/L	91.8306 ug/L	07:17:02
2	Ba 455.398†	7286.2	6722.9	20.1339 ug/L	20.1339 ug/L	07:17:02
2	Ca 315.887†	1466.1	1429.1	1.00618 mg/L	1.00618 mg/L	07:17:22
2	Fe 238.204†	75.1	50.3	18.9599 ug/L	18.9599 ug/L	07:17:22
2	K 766.490	137.4	357.0	0.207447 mg/L	0.207447 mg/L	07:17:02
2	Li 670.784†	1025.2	1061.3	15.7411 ug/L	15.7411 ug/L	07:17:02
2	Mg 279.071†	667.0	606.3	1.02077 mg/L	1.02077 mg/L	07:17:22
2	Na 589.592†	8207.3	7803.9	1.00932 mg/L	1.00932 mg/L	07:17:02
2	Sr 407.771†	100009.8	97055.1	101.403 ug/L	101.403 ug/L	07:17:02
2	Ti 334.940†	4274.3	4185.5	189.667 ug/L	189.667 ug/L	07:17:02
2	Y 360.076	268556.6	268556.6	101.282 %		07:17:54
2	Ag 328.068†	600.2	595.5	-4.00290 ug/L	-4.00290 ug/L	07:18:14
2	As 188.979†	87.6	102.2	200.670 ug/L	200.670 ug/L	07:18:14
2	B 249.677†	2054.8	1959.9	96.3636 ug/L	96.3636 ug/L	07:17:54
2	Be 234.861†	-204.6	343.9	2.04621 ug/L	2.04621 ug/L	07:18:14
2	Cd 214.437†	387.2	144.0	8.57821 ug/L	8.57821 ug/L	07:18:14
2	Ce 413.764†	1713.6	-26.0	-0.764202 ug/L	-0.764202 ug/L	07:17:54
2	Co 228.616†	77.4	101.3	19.9955 ug/L	19.9955 ug/L	07:18:14
2	Cr 205.557†	125.6	127.8	18.7555 ug/L	18.7555 ug/L	07:18:14
2	Cu 327.397†	862.2	676.4	22.7169 ug/L	22.7169 ug/L	07:17:54
2	Mn 257.610†	2488.9	2275.3	20.7090 ug/L	20.7090 ug/L	07:18:14
2	Mo 202.031†	1057.5	1000.9	195.030 ug/L	195.030 ug/L	07:18:14
2	Ni 231.604†	221.1	208.5	20.0672 ug/L	20.0672 ug/L	07:18:14
2	Pb 220.353†	163.0	142.8	100.379 ug/L	100.379 ug/L	07:18:14
2	Sb 217.584†	206.4	235.3	196.403 ug/L	196.403 ug/L	07:18:14
2	Se 196.026†	162.9	143.0	202.860 ug/L	202.860 ug/L	07:18:14
2	Si 251.611†	2145.9	2040.3	184.085 ug/L	184.085 ug/L	07:18:14
2	Sn 189.927†	199.6	214.6	190.798 ug/L	190.798 ug/L	07:18:14
2	Tl 190.801†	102.2	111.3	206.122 ug/L	206.122 ug/L	07:18:14
2	V 292.395†	166.0	662.8	20.9713 ug/L	20.9713 ug/L	07:17:54
2	Zn 206.200†	97.7	105.3	20.2919 ug/L	20.2919 ug/L	07:18:14

Mean Data: 2D13001-CRL1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	338513.1	91.2798	%	15.70005				17.20%
Y 360.076	268858.3	101.396	%	0.1609				0.16%
Ag 328.068†	597.5	-3.95515	ug/L	0.067529	-3.95515	ug/L	0.067529	1.71%
QC value less than the lower limit for Ag 328.068 Recovery = -39.55%								
Al 396.153†	610.2	113.571	ug/L	30.7458	113.571	ug/L	30.7458	27.07%
QC value within limits for Al 396.153 Recovery = 113.57%								
As 188.979†	101.5	199.058	ug/L	2.2795	199.058	ug/L	2.2795	1.15%
QC value within limits for As 188.979 Recovery = 99.53%								
B 249.677†	1963.6	96.5371	ug/L	0.24541	96.5371	ug/L	0.24541	0.25%
QC value within limits for B 249.677 Recovery = 96.54%								
Ba 455.398†	8013.3	24.0619	ug/L	5.55504	24.0619	ug/L	5.55504	23.09%
QC value within limits for Ba 455.398 Recovery = 120.31%								
Be 234.861†	340.9	2.02598	ug/L	0.028598	2.02598	ug/L	0.028598	1.41%
QC value within limits for Be 234.861 Recovery = 101.30%								
Ca 315.887†	1640.7	1.15718	mg/L	0.213543	1.15718	mg/L	0.213543	18.45%
QC value within limits for Ca 315.887 Recovery = 115.72%								
Cd 214.437†	141.2	8.38966	ug/L	0.266651	8.38966	ug/L	0.266651	3.18%
QC value within limits for Cd 214.437 Recovery = 83.90%								
Ce 413.764†	-36.5	-1.06219	ug/L	0.421422	-1.06219	ug/L	0.421422	39.67%
Co 228.616†	100.5	19.7343	ug/L	0.36937	19.7343	ug/L	0.36937	1.87%
QC value within limits for Co 228.616 Recovery = 98.67%								
Cr 205.557†	125.5	18.3876	ug/L	0.52038	18.3876	ug/L	0.52038	2.83%
QC value within limits for Cr 205.557 Recovery = 91.94%								
Cu 327.397†	667.0	22.4748	ug/L	0.34236	22.4748	ug/L	0.34236	1.52%
QC value within limits for Cu 327.397 Recovery = 112.37%								
Fe 238.204†	58.8	22.2461	ug/L	4.64730	22.2461	ug/L	4.64730	20.89%
QC value within limits for Fe 238.204 Recovery = 111.23%								
K 766.490	364.0	0.211714	mg/L	0.0060349	0.211714	mg/L	0.0060349	2.85%
QC value within limits for K 766.490 Recovery = 105.86%								
Li 670.784†	1270.8	18.8819	ug/L	4.44177	18.8819	ug/L	4.44177	23.52%

	QC value within limits for Li 670.784 Recovery = 118.01%						
Mg 279.071†		703.3	1.18801 mg/L	0.236523	1.18801 mg/L	0.236523	19.91%
	QC value within limits for Mg 279.071 Recovery = 118.80%						
Mn 257.610†		2270.9	20.6682 ug/L	0.05758	20.6682 ug/L	0.05758	0.28%
	QC value within limits for Mn 257.610 Recovery = 103.34%						
Mo 202.031†		994.3	193.733 ug/L	1.8346	193.733 ug/L	1.8346	0.95%
	QC value within limits for Mo 202.031 Recovery = 96.87%						
Na 589.592†		9267.4	1.20172 mg/L	0.272095	1.20172 mg/L	0.272095	22.64%
	QC value within limits for Na 589.592 Recovery = 120.17%						
Ni 231.604†		204.2	19.6472 ug/L	0.59396	19.6472 ug/L	0.59396	3.02%
	QC value within limits for Ni 231.604 Recovery = 98.24%						
Pb 220.353†		145.2	102.071 ug/L	2.3930	102.071 ug/L	2.3930	2.34%
	QC value within limits for Pb 220.353 Recovery = 102.07%						
Sb 217.584†		236.8	197.690 ug/L	1.8207	197.690 ug/L	1.8207	0.92%
	QC value within limits for Sb 217.584 Recovery = 98.85%						
Se 196.026†		142.8	202.694 ug/L	0.2352	202.694 ug/L	0.2352	0.12%
	QC value within limits for Se 196.026 Recovery = 101.35%						
Si 251.611†		2035.0	182.543 ug/L	2.1807	182.543 ug/L	2.1807	1.19%
	QC value within limits for Si 251.611 Recovery = 91.27%						
Sn 189.927†		210.0	187.083 ug/L	5.2530	187.083 ug/L	5.2530	2.81%
	QC value within limits for Sn 189.927 Recovery = 93.54%						
Sr 407.771†		115034.9	120.374 ug/L	26.8296	120.374 ug/L	26.8296	22.29%
	QC value within limits for Sr 407.771 Recovery = 120.37%						
Ti 334.940†		4936.9	223.803 ug/L	48.2750	223.803 ug/L	48.2750	21.57%
	QC value within limits for Ti 334.940 Recovery = 111.90%						
Tl 190.801†		113.3	209.764 ug/L	5.1496	209.764 ug/L	5.1496	2.45%
	QC value within limits for Tl 190.801 Recovery = 104.88%						
V 292.395†		674.0	21.2136 ug/L	0.34256	21.2136 ug/L	0.34256	1.61%
	QC value within limits for V 292.395 Recovery = 106.07%						
Zn 206.200†		102.3	19.6551 ug/L	0.90055	19.6551 ug/L	0.90055	4.58%
	QC value within limits for Zn 206.200 Recovery = 98.28%						

QC Failed. Continue with analysis.

Sequence No.: 9
Sample ID: 2D13001-IFA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 4/13/2012 7:19:30 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D13001-IFA1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	351321.5	351321.5	94.7336	%			07:20:36
1	Al 396.153†	458883.1	484401.7	104357	ug/L	104357	ug/L	07:20:36
1	Ba 455.398†	393.0	21.1	-0.266262	ug/L	-0.266262	ug/L	07:20:56
1	Ca 315.887†	135644.6	143182.4	102.169	mg/L	102.169	mg/L	07:20:36
1	Fe 238.204†	101569.5	107192.9	41145.2	ug/L	41145.2	ug/L	07:20:36
1	K 766.490	-209.5	10.0	-0.0032008	mg/L	-0.0032008	mg/L	07:20:56
1	Li 670.784†	-44.2	13.2	0.0297749	ug/L	0.0297749	ug/L	07:20:56
1	Mg 279.071†	56279.2	59362.6	102.320	mg/L	102.320	mg/L	07:20:36
1	Na 589.592†	266.0	68.3	-0.0076542	mg/L	-0.0076542	mg/L	07:20:56
1	Sr 407.771†	999.1	426.2	-10.5032	ug/L	-10.5032	ug/L	07:20:56
1	Ti 334.940†	-24.4	-15.1	-1.18008	ug/L	-1.18008	ug/L	07:20:56
1	Y 360.076	264957.8	264957.8	99.9246	%			07:21:28
1	Ag 328.068†	-1062.8	-1060.8	-16.3807	ug/L	-16.3807	ug/L	07:21:48
1	As 188.979†	-10.0	5.7	5.54864	ug/L	5.54864	ug/L	07:21:48
1	B 249.677†	147.0	78.2	1.47094	ug/L	1.47094	ug/L	07:21:48
1	Be 234.861†	1126.7	1673.5	-2.43580	ug/L	-2.43580	ug/L	07:21:28
1	Cd 214.437†	450.2	212.3	0.736496	ug/L	0.736496	ug/L	07:21:48
1	Ce 413.764†	1719.4	2.7	-0.296878	ug/L	-0.296878	ug/L	07:21:28
1	Co 228.616†	-22.3	2.6	-0.165008	ug/L	-0.165008	ug/L	07:21:48
1	Cr 205.557†	11.6	15.4	-0.338815	ug/L	-0.338815	ug/L	07:21:48
1	Cu 327.397†	181.9	7.1	3.93285	ug/L	3.93285	ug/L	07:21:28
1	Mn 257.610†	318.0	136.1	0.672915	ug/L	0.672915	ug/L	07:21:28
1	Mo 202.031†	93.5	50.3	8.87668	ug/L	8.87668	ug/L	07:21:48
1	Ni 231.604†	-19.2	-29.1	-3.53485	ug/L	-3.53485	ug/L	07:21:48
1	Pb 220.353†	14.5	-3.6	-2.04202	ug/L	-2.04202	ug/L	07:21:48
1	Sb 217.584†	-137.2	-105.8	-12.6248	ug/L	-12.6248	ug/L	07:21:48
1	Se 196.026†	39.2	21.3	-8.34984	ug/L	-8.34984	ug/L	07:21:48

1	Si 251.611†	123.6	45.2	-3.91746 ug/L	-3.91746 ug/L	07:21:48
1	Sn 189.927†	-16.5	0.9	18.4376 ug/L	18.4376 ug/L	07:21:48
1	Tl 190.801†	-10.3	0.1	7.25435 ug/L	7.25435 ug/L	07:21:48
1	V 292.395†	-183.5	315.2	-0.297728 ug/L	-0.297728 ug/L	07:21:48
1	Zn 206.200†	-1.6	7.2	-6.38031 ug/L	-6.38031 ug/L	07:21:48
2	Sc 357.234	372848.5	372848.5	100.538 %		07:21:01
2	Al 396.153†	448389.9	445997.5	96082.3 ug/L	96082.3 ug/L	07:21:01
2	Ba 455.398†	386.4	-9.4	-0.358770 ug/L	-0.358770 ug/L	07:21:21
2	Ca 315.887†	132787.8	132073.9	94.2412 mg/L	94.2412 mg/L	07:21:01
2	Fe 238.204†	99831.1	99273.5	38105.4 ug/L	38105.4 ug/L	07:21:01
2	K 766.490	-200.2	19.3	0.0025017 mg/L	0.0025017 mg/L	07:21:21
2	Li 670.784†	-38.2	21.9	0.159752 ug/L	0.159752 ug/L	07:21:21
2	Mg 279.071†	55061.8	54721.7	94.3188 mg/L	94.3188 mg/L	07:21:01
2	Na 589.592†	267.2	53.3	-0.0096262 mg/L	-0.0096262 mg/L	07:21:21
2	Sr 407.771†	989.9	356.2	-9.80369 ug/L	-9.80369 ug/L	07:21:21
2	Ti 334.940†	-28.3	-17.5	-1.29065 ug/L	-1.29065 ug/L	07:21:21
2	Y 360.076	256152.7	256152.7	96.6039 %		07:21:53
2	Ag 328.068†	-1054.5	-1088.7	-18.4014 ug/L	-18.4014 ug/L	07:22:13
2	As 188.979†	-10.9	4.4	2.93680 ug/L	2.93680 ug/L	07:22:13
2	B 249.677†	142.2	78.2	1.48050 ug/L	1.48050 ug/L	07:22:13
2	Be 234.861†	1176.0	1763.3	-0.928173 ug/L	-0.928173 ug/L	07:21:53
2	Cd 214.437†	444.8	222.1	2.38036 ug/L	2.38036 ug/L	07:22:13
2	Ce 413.764†	1728.5	71.3	1.65392 ug/L	1.65392 ug/L	07:21:53
2	Co 228.616†	-28.9	-5.1	-1.75999 ug/L	-1.75999 ug/L	07:22:13
2	Cr 205.557†	8.7	12.8	-0.625572 ug/L	-0.625572 ug/L	07:22:13
2	Cu 327.397†	168.6	-0.4	3.60276 ug/L	3.60276 ug/L	07:21:53
2	Mn 257.610†	316.4	145.3	0.759427 ug/L	0.759427 ug/L	07:21:53
2	Mo 202.031†	98.4	58.7	10.5107 ug/L	10.5107 ug/L	07:22:13
2	Ni 231.604†	-2.4	-12.2	-1.88475 ug/L	-1.88475 ug/L	07:22:13
2	Pb 220.353†	13.9	-3.7	-2.12616 ug/L	-2.12616 ug/L	07:22:13
2	Sb 217.584†	-141.7	-115.2	-26.1661 ug/L	-26.1661 ug/L	07:22:13
2	Se 196.026†	37.6	21.0	-5.71123 ug/L	-5.71123 ug/L	07:22:13
2	Si 251.611†	143.6	70.2	-1.48300 ug/L	-1.48300 ug/L	07:22:13
2	Sn 189.927†	-21.9	-5.2	13.4901 ug/L	13.4901 ug/L	07:22:13
2	Tl 190.801†	-3.1	7.2	19.9439 ug/L	19.9439 ug/L	07:22:13
2	V 292.395†	-186.2	306.1	0.171713 ug/L	0.171713 ug/L	07:22:13
2	Zn 206.200†	-6.1	2.6	-6.87802 ug/L	-6.87802 ug/L	07:22:13

Mean Data: 2D13001-IFA1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	362085.0	97.6359	%	4.10457				4.20%
Y 360.076	260555.3	98.2642	%	2.34810				2.39%
Ag 328.068†	-1074.8	-17.3910	ug/L	1.42885	-17.3910	ug/L	1.42885	8.22%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	465199.6	100220	ug/L	5851.2	100220	ug/L	5851.2	5.84%
QC value within limits for Al 396.153 Recovery = 100.22%								
As 188.979†	5.1	4.24272	ug/L	1.846847	4.24272	ug/L	1.846847	43.53%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	78.2	1.47572	ug/L	0.006756	1.47572	ug/L	0.006756	0.46%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	5.8	-0.312516	ug/L	0.0654129	-0.312516	ug/L	0.0654129	20.93%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	1718.4	-1.68199	ug/L	1.066054	-1.68199	ug/L	1.066054	63.38%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	137628.1	98.2051	mg/L	5.60567	98.2051	mg/L	5.60567	5.71%
QC value within limits for Ca 315.887 Recovery = 98.21%								
Cd 214.437†	217.2	1.55843	ug/L	1.162386	1.55843	ug/L	1.162386	74.59%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	37.0	0.678523	ug/L	1.3794240	0.678523	ug/L	1.3794240	203.30%
Co 228.616†	-1.2	-0.962500	ug/L	1.1278239	-0.962500	ug/L	1.1278239	117.18%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	14.1	-0.482194	ug/L	0.2027679	-0.482194	ug/L	0.2027679	42.05%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	3.3	3.76780	ug/L	0.233408	3.76780	ug/L	0.233408	6.19%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	103233.2	39625.3	ug/L	2149.48	39625.3	ug/L	2149.48	5.42%
QC value within limits for Fe 238.204 Recovery = 99.06%								
K 766.490	14.6	-0.0003496	mg/L	0.00403228	-0.0003496	mg/L	0.00403228	>999.9%
QC value within limits for K 766.490 Recovery = Not calculated								

Li 670.784†	17.6	0.0947636 ug/L	0.09190784	0.0947636 ug/L	0.09190784	96.99%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.071†	57042.2	98.3194 mg/L	5.65771	98.3194 mg/L	5.65771	5.75%
QC value within limits for Mg 279.071 Recovery = 98.32%						
Mn 257.610†	140.7	0.716171 ug/L	0.0611732	0.716171 ug/L	0.0611732	8.54%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	54.5	9.69372 ug/L	1.155460	9.69372 ug/L	1.155460	11.92%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	60.8	-0.0086402 mg/L	0.00139441	-0.0086402 mg/L	0.00139441	16.14%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	-20.7	-2.70980 ug/L	1.166795	-2.70980 ug/L	1.166795	43.06%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	-3.7	-2.08409 ug/L	0.059495	-2.08409 ug/L	0.059495	2.85%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	-110.5	-19.3954 ug/L	9.57515	-19.3954 ug/L	9.57515	49.37%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	21.2	-7.03053 ug/L	1.865777	-7.03053 ug/L	1.865777	26.54%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	57.7	-2.70023 ug/L	1.721425	-2.70023 ug/L	1.721425	63.75%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	-2.2	15.9639 ug/L	3.49842	15.9639 ug/L	3.49842	21.91%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	391.2	-10.1534 ug/L	0.49461	-10.1534 ug/L	0.49461	4.87%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†	-16.3	-1.23536 ug/L	0.078186	-1.23536 ug/L	0.078186	6.33%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	3.7	13.5991 ug/L	8.97289	13.5991 ug/L	8.97289	65.98%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	310.7	-0.0630078 ug/L	0.33194498	-0.0630078 ug/L	0.33194498	526.83%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	4.9	-6.62917 ug/L	0.351938	-6.62917 ug/L	0.351938	5.31%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

==========

Sequence No.: 10
Sample ID: 2D13001-IFA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 4/13/2012 7:26:49 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D13001-IFA2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	360274.0	360274.0	97.1476	%			07:27:56
1	Al 396.153†	73.8	84.3	2.79310	ug/L	2.79310	ug/L	07:28:21
1	Ba 455.398†	332.6	-51.4	-0.486077	ug/L	-0.486077	ug/L	07:28:01
1	Ca 315.887†	-1.7	-4.7	-0.0170282	mg/L	-0.0170282	mg/L	07:28:21
1	Fe 238.204†	34.6	12.6	12.7533	ug/L	12.7533	ug/L	07:28:21
1	K 766.490	-196.5	23.0	0.0047684	mg/L	0.0047684	mg/L	07:28:01
1	Li 670.784†	-99.1	-42.1	-0.798524	ug/L	-0.798524	ug/L	07:28:01
1	Mg 279.071†	-3.6	-48.9	-0.108784	mg/L	-0.108784	mg/L	07:28:21
1	Na 589.592†	341.9	139.4	0.0016974	mg/L	0.0016974	mg/L	07:28:01
1	Sr 407.771†	685.7	77.3	-0.902293	ug/L	-0.902293	ug/L	07:28:01
1	Ti 334.940†	442386.7	455386.6	20689.3	ug/L	20689.3	ug/L	07:27:56
1	Y 360.076	261536.9	261536.9	98.6344	%			07:28:58
1	Ag 328.068†	50.9	54.5	-6.13186	ug/L	-6.13186	ug/L	07:29:03
1	As 188.979†	36.5	52.7	19.1439	ug/L	19.1439	ug/L	07:29:23
1	B 249.677†	28.3	-40.3	-15.4333	ug/L	-15.4333	ug/L	07:29:03
1	Be 234.861†	-735.9	-200.1	-1.97218	ug/L	-1.97218	ug/L	07:29:23
1	Cd 214.437†	269.3	34.8	1.23684	ug/L	1.23684	ug/L	07:29:03
1	Ce 413.764†	1877.4	185.5	2.98719	ug/L	2.98719	ug/L	07:29:03
1	Co 228.616†	197.7	225.3	5.11069	ug/L	5.11069	ug/L	07:29:23
1	Cr 205.557†	127259.1	129024.9	20146.4	ug/L	20146.4	ug/L	07:29:03
1	Cu 327.397†	692078.1	701484.9	20988.5	ug/L	20988.5	ug/L	07:28:58
1	Mn 257.610†	2089080.5	2117821.3	19835.6	ug/L	19835.6	ug/L	07:28:58
1	Mo 202.031†	55.8	13.4	1.64133	ug/L	1.64133	ug/L	07:29:23
1	Ni 231.604†	206223.6	209068.9	20461.6	ug/L	20461.6	ug/L	07:28:58
1	Pb 220.353†	32.5	14.8	-3.94348	ug/L	-3.94348	ug/L	07:29:23
1	Sb 217.584†	-67.0	-36.4	-13.3828	ug/L	-13.3828	ug/L	07:29:23

1	Se 196.026†	28.3	10.8	15.2825 ug/L	15.2825 ug/L	07:29:23
1	Si 251.611†	3203.9	3169.7	-327.358 ug/L	-327.358 ug/L	07:29:03
1	Sn 189.927†	14.1	31.7	43.2831 ug/L	43.2831 ug/L	07:29:23
1	Tl 190.801†	-65.1	-55.6	6.27140 ug/L	6.27140 ug/L	07:29:23
1	V 292.395†	792758.7	804233.1	20310.7 ug/L	20310.7 ug/L	07:28:58
1	Zn 206.200†	51.0	60.6	6.83767 ug/L	6.83767 ug/L	07:29:03
2	Sc 357.234	376819.8	376819.8	101.609 %		07:28:26
2	Al 396.153†	69.5	76.7	1.16413 ug/L	1.16413 ug/L	07:28:51
2	Ba 455.398†	357.5	-41.9	-0.457453 ug/L	-0.457453 ug/L	07:28:31
2	Ca 315.887†	-1.7	-4.6	-0.0169806 mg/L	-0.0169806 mg/L	07:28:51
2	Fe 238.204†	31.6	8.1	10.8749 ug/L	10.8749 ug/L	07:28:51
2	K 766.490	-190.9	28.6	0.0081125 mg/L	0.0081125 mg/L	07:28:31
2	Li 670.784†	-97.7	-36.2	-0.711299 ug/L	-0.711299 ug/L	07:28:31
2	Mg 279.071†	-9.3	-54.5	-0.118337 mg/L	-0.118337 mg/L	07:28:51
2	Na 589.592†	331.9	114.1	-0.0016276 mg/L	-0.0016276 mg/L	07:28:31
2	Sr 407.771†	656.2	17.3	-0.965673 ug/L	-0.965673 ug/L	07:28:31
2	Ti 334.940†	441797.6	434811.7	19754.5 ug/L	19754.5 ug/L	07:28:26
2	Y 360.076	264199.4	264199.4	99.6385 %		07:29:29
2	Ag 328.068†	22.8	25.7	-6.95828 ug/L	-6.95828 ug/L	07:29:34
2	As 188.979†	41.0	56.8	31.2341 ug/L	31.2341 ug/L	07:29:54
2	B 249.677†	-23.3	-92.3	-17.5770 ug/L	-17.5770 ug/L	07:29:34
2	Be 234.861†	-741.3	-198.0	-1.94865 ug/L	-1.94865 ug/L	07:29:54
2	Cd 214.437†	274.5	37.2	1.22294 ug/L	1.22294 ug/L	07:29:34
2	Ce 413.764†	1856.4	145.1	1.95889 ug/L	1.95889 ug/L	07:29:34
2	Co 228.616†	202.0	227.6	7.62166 ug/L	7.62166 ug/L	07:29:54
2	Cr 205.557†	126285.7	126747.7	19790.8 ug/L	19790.8 ug/L	07:29:34
2	Cu 327.397†	689804.1	692131.6	20707.9 ug/L	20707.9 ug/L	07:29:29
2	Mn 257.610†	2075826.0	2083174.5	19511.1 ug/L	19511.1 ug/L	07:29:29
2	Mo 202.031†	53.3	10.3	1.03168 ug/L	1.03168 ug/L	07:29:54
2	Ni 231.604†	205237.3	205972.1	20158.5 ug/L	20158.5 ug/L	07:29:29
2	Pb 220.353†	23.1	5.1	-11.3195 ug/L	-11.3195 ug/L	07:29:54
2	Sb 217.584†	-67.9	-36.6	-13.7174 ug/L	-13.7174 ug/L	07:29:54
2	Se 196.026†	19.5	1.7	2.24372 ug/L	2.24372 ug/L	07:29:54
2	Si 251.611†	3126.6	3059.4	-309.726 ug/L	-309.726 ug/L	07:29:34
2	Sn 189.927†	13.7	31.2	42.9079 ug/L	42.9079 ug/L	07:29:54
2	Tl 190.801†	-64.5	-54.3	4.14703 ug/L	4.14703 ug/L	07:29:54
2	V 292.395†	786931.2	790284.8	19958.8 ug/L	19958.8 ug/L	07:29:29
2	Zn 206.200†	37.4	46.3	3.95819 ug/L	3.95819 ug/L	07:29:34

Mean Data: 2D13001-IFA2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	368546.9	99.3784	%	3.15481				3.17%
Y 360.076	262868.1	99.1365	%	0.71002				0.72%
Ag 328.068†	40.1	-6.54507	ug/L	0.584362	-6.54507	ug/L	0.584362	8.93%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	80.5	1.97862	ug/L	1.151856	1.97862	ug/L	1.151856	58.22%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	54.8	25.1890	ug/L	8.54900	25.1890	ug/L	8.54900	33.94%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-66.3	-16.5052	ug/L	1.51578	-16.5052	ug/L	1.51578	9.18%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	-46.7	-0.471765	ug/L	0.0202407	-0.471765	ug/L	0.0202407	4.29%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	-199.1	-1.96041	ug/L	0.016637	-1.96041	ug/L	0.016637	0.85%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	-4.6	-0.0170044	mg/L	0.00003367	-0.0170044	mg/L	0.00003367	0.20%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	36.0	1.22989	ug/L	0.009829	1.22989	ug/L	0.009829	0.80%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	165.3	2.47304	ug/L	0.727123	2.47304	ug/L	0.727123	29.40%
Co 228.616†	226.5	6.36617	ug/L	1.775520	6.36617	ug/L	1.775520	27.89%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	127886.3	19968.6	ug/L	251.40	19968.6	ug/L	251.40	1.26%
QC value within limits for Cr 205.557 Recovery = 99.84%								
Cu 327.397†	696808.2	20848.2	ug/L	198.39	20848.2	ug/L	198.39	0.95%
QC value within limits for Cu 327.397 Recovery = 104.24%								
Fe 238.204†	10.3	11.8141	ug/L	1.32825	11.8141	ug/L	1.32825	11.24%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	25.8	0.0064404	mg/L	0.00236464	0.0064404	mg/L	0.00236464	36.72%

QC value within limits for K 766.490 Recovery = Not calculated

Li 670.784†		-39.1	-0.754911 ug/L	0.0616774	-0.754911 ug/L	0.0616774	8.17%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†		-51.7	-0.113560 mg/L	0.0067550	-0.113560 mg/L	0.0067550	5.95%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	2100497.9		19673.3 ug/L	229.47	19673.3 ug/L	229.47	1.17%
QC value within limits for Mn 257.610 Recovery = 98.37%								
Mo 202.031†		11.8	1.33650 ug/L	0.431086	1.33650 ug/L	0.431086	32.25%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†		126.8	0.0000349 mg/L	0.00235113	0.0000349 mg/L	0.00235113	>999.9%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	207520.5		20310.1 ug/L	214.33	20310.1 ug/L	214.33	1.06%
QC value within limits for Ni 231.604 Recovery = 101.55%								
Pb 220.353†		9.9	-7.63148 ug/L	5.215611	-7.63148 ug/L	5.215611	68.34%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†		-36.5	-13.5501 ug/L	0.23656	-13.5501 ug/L	0.23656	1.75%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†		6.3	8.76312 ug/L	9.219821	8.76312 ug/L	9.219821	105.21%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†		3114.6	-318.542 ug/L	12.4682	-318.542 ug/L	12.4682	3.91%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†		31.5	43.0955 ug/L	0.26535	43.0955 ug/L	0.26535	0.62%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†		47.3	-0.933983 ug/L	0.0448159	-0.933983 ug/L	0.0448159	4.80%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	445099.1		20221.9 ug/L	660.99	20221.9 ug/L	660.99	3.27%
QC value within limits for Ti 334.940 Recovery = 101.11%								
Tl 190.801†		-55.0	5.20922 ug/L	1.502162	5.20922 ug/L	1.502162	28.84%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	797259.0		20134.8 ug/L	248.87	20134.8 ug/L	248.87	1.24%
QC value within limits for V 292.395 Recovery = 100.67%								
Zn 206.200†		53.5	5.39793 ug/L	2.036098	5.39793 ug/L	2.036098	37.72%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: 2D13001-IFB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 4/13/2012 7:34:31 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D13001-IFB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	356503.0	356503.0	96.1308	%			07:35:37
1	Al 396.153†	458952.5	477433.5	102855	ug/L	102855	ug/L	07:35:37
1	Ba 455.398†	163585.6	169776.1	516.465	ug/L	516.465	ug/L	07:35:37
1	Ca 315.887†	133963.3	139352.3	99.4355	mg/L	99.4355	mg/L	07:35:37
1	Fe 238.204†	100461.4	104481.9	40104.8	ug/L	40104.8	ug/L	07:35:37
1	K 766.490	-152.2	67.3	0.0316220	mg/L	0.0316220	mg/L	07:35:57
1	Li 670.784†	-46.2	11.8	0.0088135	ug/L	0.0088135	ug/L	07:35:57
1	Mg 279.071†	56264.8	58484.2	100.806	mg/L	100.806	mg/L	07:35:37
1	Na 589.592†	333.0	133.9	0.0009718	mg/L	0.0009718	mg/L	07:35:57
1	Sr 407.771†	1014.4	426.8	-10.2359	ug/L	-10.2359	ug/L	07:35:57
1	Ti 334.940†	18.8	30.3	0.879930	ug/L	0.879930	ug/L	07:35:57
1	Y 360.076	260106.9	260106.9	98.0951	%			07:36:28
1	Ag 328.068†	51486.3	52488.9	1027.15	ug/L	1027.15	ug/L	07:36:28
1	As 188.979†	-3.2	12.5	19.2495	ug/L	19.2495	ug/L	07:36:49
1	B 249.677†	128.0	61.5	-0.989474	ug/L	-0.989474	ug/L	07:36:49
1	Be 234.861†	8924.2	9643.5	47.6100	ug/L	47.6100	ug/L	07:36:28
1	Cd 214.437†	13724.3	13752.6	940.880	ug/L	940.880	ug/L	07:36:28
1	Ce 413.764†	1670.0	-15.6	-0.795909	ug/L	-0.795909	ug/L	07:36:28
1	Co 228.616†	2282.4	2351.6	489.860	ug/L	489.860	ug/L	07:36:49
1	Cr 205.557†	3105.9	3170.1	491.798	ug/L	491.798	ug/L	07:36:49
1	Cu 327.397†	17656.1	17824.0	536.347	ug/L	536.347	ug/L	07:36:28
1	Mn 257.610†	52882.8	53727.6	502.628	ug/L	502.628	ug/L	07:36:28
1	Mo 202.031†	94.3	52.9	9.37826	ug/L	9.37826	ug/L	07:36:49
1	Ni 231.604†	9799.5	9980.0	975.508	ug/L	975.508	ug/L	07:36:28
1	Pb 220.353†	1437.8	1447.6	1003.85	ug/L	1003.85	ug/L	07:36:49

1	Sb 217.584†	-143.9	-115.1	-21.2670 ug/L	-21.2670 ug/L	07:36:49
1	Se 196.026†	51.6	34.8	11.2764 ug/L	11.2764 ug/L	07:36:49
1	Si 251.611†	150.9	75.3	-1.03739 ug/L	-1.03739 ug/L	07:36:49
1	Sn 189.927†	-24.3	-7.3	11.7855 ug/L	11.7855 ug/L	07:36:49
1	Tl 190.801†	-5.2	5.1	15.0581 ug/L	15.0581 ug/L	07:36:49
1	V 292.395†	19366.3	20241.2	503.420 ug/L	503.420 ug/L	07:36:28
1	Zn 206.200†	4342.0	4435.1	923.204 ug/L	923.204 ug/L	07:36:49
2	Sc 357.234	374153.3	374153.3	100.890 %		07:36:02
2	Al 396.153†	449334.3	445378.2	95948.7 ug/L	95948.7 ug/L	07:36:02
2	Ba 455.398†	160556.2	158745.9	482.889 ug/L	482.889 ug/L	07:36:02
2	Ca 315.887†	132304.3	131134.1	93.5705 mg/L	93.5705 mg/L	07:36:02
2	Fe 238.204†	99452.8	98552.3	37828.7 ug/L	37828.7 ug/L	07:36:02
2	K 766.490	-161.7	57.8	0.0258494 mg/L	0.0258494 mg/L	07:36:22
2	Li 670.784†	-42.6	17.7	0.0968652 ug/L	0.0968652 ug/L	07:36:22
2	Mg 279.071†	55257.5	54724.7	94.3240 mg/L	94.3240 mg/L	07:36:02
2	Na 589.592†	324.2	108.8	-0.0023246 mg/L	-0.0023246 mg/L	07:36:22
2	Sr 407.771†	1024.1	386.5	-9.70618 ug/L	-9.70618 ug/L	07:36:22
2	Ti 334.940†	12.4	23.0	0.550268 ug/L	0.550268 ug/L	07:36:22
2	Y 360.076	265061.0	265061.0	99.9635 %		07:36:54
2	Ag 328.068†	46565.4	46585.2	910.947 ug/L	910.947 ug/L	07:36:54
2	As 188.979†	-1.7	14.0	22.3948 ug/L	22.3948 ug/L	07:37:14
2	B 249.677†	117.1	48.2	-1.63647 ug/L	-1.63647 ug/L	07:37:14
2	Be 234.861†	8780.2	9329.4	46.3637 ug/L	46.3637 ug/L	07:36:54
2	Cd 214.437†	13506.6	13273.2	908.370 ug/L	908.370 ug/L	07:36:54
2	Ce 413.764†	1745.9	28.5	0.461191 ug/L	0.461191 ug/L	07:36:54
2	Co 228.616†	2289.6	2315.3	482.288 ug/L	482.288 ug/L	07:37:14
2	Cr 205.557†	3104.6	3109.6	482.449 ug/L	482.449 ug/L	07:37:14
2	Cu 327.397†	17340.8	17172.2	516.790 ug/L	516.790 ug/L	07:36:54
2	Mn 257.610†	52103.9	51940.8	485.892 ug/L	485.892 ug/L	07:36:54
2	Mo 202.031†	96.4	53.2	9.44545 ug/L	9.44545 ug/L	07:37:14
2	Ni 231.604†	9698.8	9692.5	947.383 ug/L	947.383 ug/L	07:36:54
2	Pb 220.353†	1418.9	1401.3	971.763 ug/L	971.763 ug/L	07:37:14
2	Sb 217.584†	-131.3	-99.8	-12.6817 ug/L	-12.6817 ug/L	07:37:14
2	Se 196.026†	48.3	30.4	7.69225 ug/L	7.69225 ug/L	07:37:14
2	Si 251.611†	158.7	80.3	-0.542700 ug/L	-0.542700 ug/L	07:37:14
2	Sn 189.927†	-20.3	-2.9	15.3966 ug/L	15.3966 ug/L	07:37:14
2	Tl 190.801†	-10.0	0.4	6.66565 ug/L	6.66565 ug/L	07:37:14
2	V 292.395†	19088.7	19594.5	487.578 ug/L	487.578 ug/L	07:36:54
2	Zn 206.200†	4318.8	4329.3	901.359 ug/L	901.359 ug/L	07:37:14

Mean Data: 2D13001-IFB1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	365328.1	98.5104	%	3.36538				3.42%
Y 360.076	262584.0	99.0293	%	1.32113				1.33%
Ag 328.068†	49537.0	969.046	ug/L	82.1645	969.046	ug/L	82.1645	8.48%
QC value within limits for Ag 328.068 Recovery = 96.90%								
Al 396.153†	461405.9	99401.9	ug/L	4883.59	99401.9	ug/L	4883.59	4.91%
QC value within limits for Al 396.153 Recovery = 99.40%								
As 188.979†	13.3	20.8221	ug/L	2.22407	20.8221	ug/L	2.22407	10.68%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	54.9	-1.31297	ug/L	0.457498	-1.31297	ug/L	0.457498	34.84%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	164261.0	499.677	ug/L	23.7415	499.677	ug/L	23.7415	4.75%
QC value within limits for Ba 455.398 Recovery = 99.94%								
Be 234.861†	9486.4	46.9869	ug/L	0.88126	46.9869	ug/L	0.88126	1.88%
QC value within limits for Be 234.861 Recovery = 93.97%								
Ca 315.887†	135243.2	96.5030	mg/L	4.14717	96.5030	mg/L	4.14717	4.30%
QC value within limits for Ca 315.887 Recovery = 96.50%								
Cd 214.437†	13512.9	924.625	ug/L	22.9883	924.625	ug/L	22.9883	2.49%
QC value within limits for Cd 214.437 Recovery = 92.46%								
Ce 413.764†	6.5	-0.167359	ug/L	0.8889039	-0.167359	ug/L	0.8889039	531.14%
Co 228.616†	2333.4	486.074	ug/L	5.3541	486.074	ug/L	5.3541	1.10%
QC value within limits for Co 228.616 Recovery = 97.21%								
Cr 205.557†	3139.8	487.123	ug/L	6.6103	487.123	ug/L	6.6103	1.36%
QC value within limits for Cr 205.557 Recovery = 97.42%								
Cu 327.397†	17498.1	526.569	ug/L	13.8293	526.569	ug/L	13.8293	2.63%
QC value within limits for Cu 327.397 Recovery = 105.31%								
Fe 238.204†	101517.1	38966.7	ug/L	1609.44	38966.7	ug/L	1609.44	4.13%
QC value within limits for Fe 238.204 Recovery = 97.42%								

K 766.490	62.6	0.0287357 mg/L	0.00408185	0.0287357 mg/L	0.00408185	14.20%	
QC value within limits for K 766.490 Recovery = Not calculated							
Li 670.784†	14.8	0.0528394 ug/L	0.06226198	0.0528394 ug/L	0.06226198	117.83%	
QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.071†	56604.5	97.5648 mg/L	4.58313	97.5648 mg/L	4.58313	4.70%	
QC value within limits for Mg 279.071 Recovery = 97.56%							
Mn 257.610†	52834.2	494.260 ug/L	11.8341	494.260 ug/L	11.8341	2.39%	
QC value within limits for Mn 257.610 Recovery = 98.85%							
Mo 202.031†	53.0	9.41186 ug/L	0.047515	9.41186 ug/L	0.047515	0.50%	
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	121.3	-0.0006764 mg/L	0.00233090	-0.0006764 mg/L	0.00233090	344.62%	
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	9836.3	961.445 ug/L	19.8873	961.445 ug/L	19.8873	2.07%	
QC value within limits for Ni 231.604 Recovery = 96.14%							
Pb 220.353†	1424.4	987.809 ug/L	22.6923	987.809 ug/L	22.6923	2.30%	
QC value within limits for Pb 220.353 Recovery = 98.78%							
Sb 217.584†	-107.5	-16.9743 ug/L	6.07067	-16.9743 ug/L	6.07067	35.76%	
QC value within limits for Sb 217.584 Recovery = Not calculated							
Se 196.026†	32.6	9.48432 ug/L	2.534363	9.48432 ug/L	2.534363	26.72%	
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	77.8	-0.790043 ug/L	0.3497956	-0.790043 ug/L	0.3497956	44.28%	
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	-5.1	13.5910 ug/L	2.55339	13.5910 ug/L	2.55339	18.79%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	406.7	-9.97104 ug/L	0.374567	-9.97104 ug/L	0.374567	3.76%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.940†	26.6	0.715099 ug/L	0.2331062	0.715099 ug/L	0.2331062	32.60%	
QC value within limits for Ti 334.940 Recovery = Not calculated							
Tl 190.801†	2.7	10.8619 ug/L	5.93435	10.8619 ug/L	5.93435	54.63%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	19917.9	495.499 ug/L	11.2018	495.499 ug/L	11.2018	2.26%	
QC value within limits for V 292.395 Recovery = 99.10%							
Zn 206.200†	4382.2	912.282 ug/L	15.4471	912.282 ug/L	15.4471	1.69%	
QC value within limits for Zn 206.200 Recovery = 91.23%							

All analyte(s) passed QC.

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Sequence No.: 12
Sample ID: 2D13001-IFB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 4/13/2012 7:41:51 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D13001-IFB2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	359455.5	359455.5	96.9269	%			07:42:56
1	Al 396.153†	4769.5	4929.0	1032.58	ug/L	1032.58	ug/L	07:43:01
1	Ba 455.398†	379.5	-2.3	-0.336732	ug/L	-0.336732	ug/L	07:43:01
1	Ca 315.887†	7139.6	7363.0	5.24095	mg/L	5.24095	mg/L	07:43:01
1	Fe 238.204†	33.4	11.4	12.3021	ug/L	12.3021	ug/L	07:43:21
1	K 766.490	-194.8	24.7	0.0057822	mg/L	0.0057822	mg/L	07:43:01
1	Li 670.784†	-115.0	-58.8	-1.04888	ug/L	-1.04888	ug/L	07:43:01
1	Mg 279.071†	3000.7	3050.6	5.23501	mg/L	5.23501	mg/L	07:43:21
1	Na 589.592†	39393.6	40430.1	5.29859	mg/L	5.29859	mg/L	07:43:01
1	Sr 407.771†	1163.2	571.6	-0.893351	ug/L	-0.893351	ug/L	07:43:01
1	Ti 334.940†	441978.2	456002.0	20717.2	ug/L	20717.2	ug/L	07:42:56
1	Y 360.076	261083.1	261083.1	98.4633	%			07:43:58
1	Ag 328.068†	62.8	66.6	-5.89209	ug/L	-5.89209	ug/L	07:44:03
1	As 188.979†	532.5	556.5	1041.87	ug/L	1041.87	ug/L	07:44:23
1	B 249.677†	19118.4	19347.8	963.999	ug/L	963.999	ug/L	07:44:03
1	Be 234.861†	-772.2	-238.3	-2.12474	ug/L	-2.12474	ug/L	07:44:23
1	Cd 214.437†	276.9	43.0	1.76995	ug/L	1.76995	ug/L	07:44:23
1	Ce 413.764†	1830.8	141.4	1.66115	ug/L	1.66115	ug/L	07:44:03
1	Co 228.616†	206.0	234.1	6.85724	ug/L	6.85724	ug/L	07:44:23
1	Cr 205.557†	126660.1	128640.7	20086.1	ug/L	20086.1	ug/L	07:44:03
1	Cu 327.397†	684623.1	695132.9	20798.7	ug/L	20798.7	ug/L	07:43:58
1	Mn 257.610†	2079394.8	2111665.5	19777.9	ug/L	19777.9	ug/L	07:43:58
1	Mo 202.031†	5203.2	5241.2	1025.39	ug/L	1025.39	ug/L	07:44:23
1	Ni 231.604†	205250.7	208444.2	20402.6	ug/L	20402.6	ug/L	07:43:58

1	Pb 220.353†	14.0	-4.0	-13.0472 ug/L	-13.0472 ug/L	07:44:23
1	Sb 217.584†	1112.7	1161.6	990.424 ug/L	990.424 ug/L	07:44:23
1	Se 196.026†	732.8	726.3	1031.09 ug/L	1031.09 ug/L	07:44:23
1	Si 251.611†	2921.5	2888.6	-362.785 ug/L	-362.785 ug/L	07:44:23
1	Sn 189.927†	7.2	24.8	37.6738 ug/L	37.6738 ug/L	07:44:23
1	Tl 190.801†	493.0	511.1	1015.48 ug/L	1015.48 ug/L	07:44:23
1	V 292.395†	790786.6	803627.2	20314.9 ug/L	20314.9 ug/L	07:43:58
1	Zn 206.200†	3.3	12.2	-3.34721 ug/L	-3.34721 ug/L	07:44:03
2	Sc 357.234	373047.8	373047.8	100.592 %		07:43:26
2	Al 396.153†	4697.3	4677.9	978.701 ug/L	978.701 ug/L	07:43:31
2	Ba 455.398†	327.5	-68.2	-0.537465 ug/L	-0.537465 ug/L	07:43:31
2	Ca 315.887†	7070.1	7025.6	5.00013 mg/L	5.00013 mg/L	07:43:31
2	Fe 238.204†	31.3	8.0	10.8636 ug/L	10.8636 ug/L	07:43:51
2	K 766.490	-208.5	11.1	-0.0025220 mg/L	-0.0025220 mg/L	07:43:31
2	Li 670.784†	-91.7	-31.3	-0.636856 ug/L	-0.636856 ug/L	07:43:31
2	Mg 279.071†	2968.9	2906.2	4.98594 mg/L	4.98594 mg/L	07:43:51
2	Na 589.592†	38852.4	38411.2	5.03317 mg/L	5.03317 mg/L	07:43:31
2	Sr 407.771†	1142.6	507.4	-0.937651 ug/L	-0.937651 ug/L	07:43:31
2	Ti 334.940†	440191.5	437611.4	19881.7 ug/L	19881.7 ug/L	07:43:26
2	Y 360.076	264862.4	264862.4	99.8886 %		07:44:29
2	Ag 328.068†	34.6	37.4	-6.70447 ug/L	-6.70447 ug/L	07:44:34
2	As 188.979†	528.5	544.8	1021.55 ug/L	1021.55 ug/L	07:44:54
2	B 249.677†	19167.0	19119.4	952.904 ug/L	952.904 ug/L	07:44:34
2	Be 234.861†	-762.6	-217.5	-1.98626 ug/L	-1.98626 ug/L	07:44:54
2	Cd 214.437†	279.8	41.8	1.52858 ug/L	1.52858 ug/L	07:44:54
2	Ce 413.764†	1838.5	122.5	1.22785 ug/L	1.22785 ug/L	07:44:34
2	Co 228.616†	198.9	224.0	6.57156 ug/L	6.57156 ug/L	07:44:54
2	Cr 205.557†	126474.8	126619.7	19770.6 ug/L	19770.6 ug/L	07:44:34
2	Cu 327.397†	686011.4	686601.5	20542.8 ug/L	20542.8 ug/L	07:44:29
2	Mn 257.610†	2077312.4	2079447.0	19476.2 ug/L	19476.2 ug/L	07:44:29
2	Mo 202.031†	5178.5	5141.1	1005.77 ug/L	1005.77 ug/L	07:44:54
2	Ni 231.604†	205377.1	205596.4	20123.8 ug/L	20123.8 ug/L	07:44:29
2	Pb 220.353†	25.6	7.5	-5.73044 ug/L	-5.73044 ug/L	07:44:54
2	Sb 217.584†	1123.0	1155.8	985.463 ug/L	985.463 ug/L	07:44:54
2	Se 196.026†	730.4	713.4	1012.73 ug/L	1012.73 ug/L	07:44:54
2	Si 251.611†	2874.4	2799.0	-346.000 ug/L	-346.000 ug/L	07:44:54
2	Sn 189.927†	8.4	25.9	38.5627 ug/L	38.5627 ug/L	07:44:54
2	Tl 190.801†	492.2	503.1	997.317 ug/L	997.317 ug/L	07:44:54
2	V 292.395†	788544.4	789922.7	19968.7 ug/L	19968.7 ug/L	07:44:29
2	Zn 206.200†	30.7	39.6	2.49587 ug/L	2.49587 ug/L	07:44:34

Mean Data: 2D13001-IFB2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	366251.6	98.7595	%	2.59164				2.62%
Y 360.076	262972.8	99.1759	%	1.00784				1.02%
Ag 328.068†	52.0	-6.29828	ug/L	0.574441	-6.29828	ug/L	0.574441	9.12%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	4803.4	1005.64	ug/L	38.097	1005.64	ug/L	38.097	3.79%
QC value within limits for Al 396.153 Recovery = 100.56%								
As 188.979†	550.7	1031.71	ug/L	14.369	1031.71	ug/L	14.369	1.39%
QC value within limits for As 188.979 Recovery = 103.17%								
B 249.677†	19233.6	958.451	ug/L	7.8456	958.451	ug/L	7.8456	0.82%
QC value within limits for B 249.677 Recovery = 95.85%								
Ba 455.398†	-35.2	-0.437099	ug/L	0.1419394	-0.437099	ug/L	0.1419394	32.47%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	-227.9	-2.05550	ug/L	0.097919	-2.05550	ug/L	0.097919	4.76%
QC value less than the lower limit for Be 234.861 Recovery = Not calculated								
Ca 315.887†	7194.3	5.12054	mg/L	0.170284	5.12054	mg/L	0.170284	3.33%
QC value within limits for Ca 315.887 Recovery = 102.41%								
Cd 214.437†	42.4	1.64926	ug/L	0.170672	1.64926	ug/L	0.170672	10.35%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	131.9	1.44450	ug/L	0.306391	1.44450	ug/L	0.306391	21.21%
Co 228.616†	229.1	6.71440	ug/L	0.202011	6.71440	ug/L	0.202011	3.01%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	127630.2	19928.4	ug/L	223.12	19928.4	ug/L	223.12	1.12%
QC value within limits for Cr 205.557 Recovery = 99.64%								
Cu 327.397†	690867.2	20670.8	ug/L	180.95	20670.8	ug/L	180.95	0.88%
QC value within limits for Cu 327.397 Recovery = 103.35%								
Fe 238.204†	9.7	11.5828	ug/L	1.01715	11.5828	ug/L	1.01715	8.78%

QC value within limits for Fe 238.204 Recovery = Not calculated

K 766.490	17.9	0.0016301 mg/L	0.00587198	0.0016301 mg/L	0.00587198	360.23%

QC value within limits for K 766.490 Recovery = Not calculated

Li 670.784†	-45.0	-0.842871 ug/L	0.2913482	-0.842871 ug/L	0.2913482	34.57%

QC value within limits for Li 670.784 Recovery = Not calculated

Mg 279.071†	2978.4	5.11048 mg/L	0.176114	5.11048 mg/L	0.176114	3.45%

QC value within limits for Mg 279.071 Recovery = 102.21%

Mn 257.610†	2095556.3	19627.0 ug/L	213.38	19627.0 ug/L	213.38	1.09%

QC value within limits for Mn 257.610 Recovery = 98.14%

Mo 202.031†	5191.1	1015.58 ug/L	13.867	1015.58 ug/L	13.867	1.37%

QC value within limits for Mo 202.031 Recovery = 101.56%

Na 589.592†	39420.6	5.16588 mg/L	0.187680	5.16588 mg/L	0.187680	3.63%

QC value within limits for Na 589.592 Recovery = 103.32%

Ni 231.604†	207020.3	20263.2 ug/L	197.12	20263.2 ug/L	197.12	0.97%

QC value within limits for Ni 231.604 Recovery = 101.32%

Pb 220.353†	1.7	-9.38881 ug/L	5.173715	-9.38881 ug/L	5.173715	55.11%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 217.584†	1158.7	987.944 ug/L	3.5078	987.944 ug/L	3.5078	0.36%

QC value within limits for Sb 217.584 Recovery = 98.79%

Se 196.026†	719.8	1021.91 ug/L	12.983	1021.91 ug/L	12.983	1.27%

QC value within limits for Se 196.026 Recovery = 102.19%

Si 251.611†	2843.8	-354.393 ug/L	11.8686	-354.393 ug/L	11.8686	3.35%

QC value within limits for Si 251.611 Recovery = Not calculated

Sn 189.927†	25.3	38.1182 ug/L	0.62856	38.1182 ug/L	0.62856	1.65%

QC value within limits for Sn 189.927 Recovery = Not calculated

Sr 407.771†	539.5	-0.915501 ug/L	0.0313248	-0.915501 ug/L	0.0313248	3.42%

QC value within limits for Sr 407.771 Recovery = Not calculated

Ti 334.940†	446806.7	20299.4 ug/L	590.82	20299.4 ug/L	590.82	2.91%

QC value within limits for Ti 334.940 Recovery = 101.50%

Tl 190.801†	507.1	1006.40 ug/L	12.844	1006.40 ug/L	12.844	1.28%

QC value within limits for Tl 190.801 Recovery = 100.64%

V 292.395†	796774.9	20141.8 ug/L	244.82	20141.8 ug/L	244.82	1.22%

QC value within limits for V 292.395 Recovery = 100.71%

Zn 206.200†	25.9	-0.425670 ug/L	4.1316827	-0.425670 ug/L	4.1316827	970.63%

QC value within limits for Zn 206.200 Recovery = Not calculated

QC Failed. Continue with analysis.

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Sequence No.: 13 **Autosampler Location: 4**
Sample ID: 2D13001-CCV **Date Collected: 4/13/2012 7:49:30 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2D13001-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	363415.3	363415.3	97.9947	%			07:50:36
1	Al 396.153†	11660.3	11907.2	2543.75	ug/L	2543.75	ug/L	07:50:36
1	Ba 455.398†	162389.7	165319.0	502.897	ug/L	502.897	ug/L	07:50:36
1	Ca 315.887†	6861.9	6999.3	4.98140	mg/L	4.98140	mg/L	07:50:56
1	Fe 238.204†	1304.3	1308.0	501.800	ug/L	501.800	ug/L	07:50:56
1	K 766.490	8125.1	8344.6	5.05647	mg/L	5.05647	mg/L	07:50:36
1	Li 670.784†	33188.1	33927.1	508.432	ug/L	508.432	ug/L	07:50:36
1	Mg 279.071†	2934.7	2949.5	5.06073	mg/L	5.06073	mg/L	07:50:56
1	Na 589.592†	38035.0	38600.8	5.05810	mg/L	5.05810	mg/L	07:50:36
1	Sr 407.771†	467518.2	476457.0	501.651	ug/L	501.651	ug/L	07:50:36
1	Ti 334.940†	10928.2	11162.5	506.656	ug/L	506.656	ug/L	07:50:56
1	Y 360.076	266397.1	266397.1	100.467	%			07:51:28
1	Ag 328.068†	28876.7	28745.2	545.162	ug/L	545.162	ug/L	07:51:28
1	As 188.979†	1188.1	1198.3	2424.81	ug/L	2424.81	ug/L	07:51:48
1	B 249.677†	9803.1	9688.5	485.082	ug/L	485.082	ug/L	07:51:28
1	Be 234.861†	7352.4	7864.2	48.8449	ug/L	48.8449	ug/L	07:51:48
1	Cd 214.437†	7357.1	7084.6	490.257	ug/L	490.257	ug/L	07:51:48
1	Ce 413.764†	1652.7	-73.0	-2.16186	ug/L	-2.16186	ug/L	07:51:28
1	Co 228.616†	2343.7	2357.6	490.052	ug/L	490.052	ug/L	07:51:48
1	Cr 205.557†	3173.1	3162.2	492.506	ug/L	492.506	ug/L	07:51:48
1	Cu 327.397†	16913.5	16659.9	500.744	ug/L	500.744	ug/L	07:51:28
1	Mn 257.610†	53261.0	52831.0	494.231	ug/L	494.231	ug/L	07:51:28
1	Mo 202.031†	2553.1	2498.0	488.206	ug/L	488.206	ug/L	07:51:48

1	Ni 231.604†	5056.0	5022.7	491.334 ug/L	491.334 ug/L	07:51:48
1	Pb 220.353†	732.3	710.7	494.928 ug/L	494.928 ug/L	07:51:48
1	Sb 217.584†	2889.9	2908.0	2437.79 ug/L	2437.79 ug/L	07:51:48
1	Se 196.026†	1761.2	1735.1	2463.34 ug/L	2463.34 ug/L	07:51:48
1	Si 251.611†	25332.9	25136.5	2430.95 ug/L	2430.95 ug/L	07:51:28
1	Sn 189.927†	2975.4	2979.0	2420.83 ug/L	2420.83 ug/L	07:51:48
1	Tl 190.801†	1358.7	1362.8	2434.73 ug/L	2434.73 ug/L	07:51:48
1	V 292.395†	19027.7	19438.0	500.691 ug/L	500.691 ug/L	07:51:28
1	Zn 206.200†	2334.2	2332.2	487.434 ug/L	487.434 ug/L	07:51:48
2	Sc 357.234	378404.7	378404.7	102.037 %		07:51:01
2	Al 396.153†	11521.8	11300.1	2412.89 ug/L	2412.89 ug/L	07:51:01
2	Ba 455.398†	161009.8	157402.5	478.799 ug/L	478.799 ug/L	07:51:01
2	Ca 315.887†	6836.8	6697.4	4.76590 mg/L	4.76590 mg/L	07:51:21
2	Fe 238.204†	1295.1	1246.2	478.095 ug/L	478.095 ug/L	07:51:21
2	K 766.490	8009.4	8228.9	4.98623 mg/L	4.98623 mg/L	07:51:01
2	Li 670.784†	32709.8	32116.8	481.294 ug/L	481.294 ug/L	07:51:01
2	Mg 279.071†	2907.8	2804.5	4.81074 mg/L	4.81074 mg/L	07:51:21
2	Na 589.592†	37687.5	36722.8	4.81120 mg/L	4.81120 mg/L	07:51:01
2	Sr 407.771†	464343.5	454447.2	478.430 ug/L	478.430 ug/L	07:51:01
2	Ti 334.940†	10867.0	10660.8	483.861 ug/L	483.861 ug/L	07:51:21
2	Y 360.076	267627.4	267627.4	100.931 %		07:51:53
2	Ag 328.068†	28681.0	28419.2	538.788 ug/L	538.788 ug/L	07:51:53
2	As 188.979†	1212.5	1217.0	2462.84 ug/L	2462.84 ug/L	07:52:13
2	B 249.677†	9787.4	9628.1	482.048 ug/L	482.048 ug/L	07:51:53
2	Be 234.861†	7362.8	7840.8	48.7070 ug/L	48.7070 ug/L	07:52:13
2	Cd 214.437†	7363.6	7057.4	488.376 ug/L	488.376 ug/L	07:52:13
2	Ce 413.764†	1684.9	-48.6	-1.47619 ug/L	-1.47619 ug/L	07:51:53
2	Co 228.616†	2348.6	2351.8	488.889 ug/L	488.889 ug/L	07:52:13
2	Cr 205.557†	3177.2	3151.7	490.864 ug/L	490.864 ug/L	07:52:13
2	Cu 327.397†	16780.3	16450.5	494.459 ug/L	494.459 ug/L	07:51:53
2	Mn 257.610†	52804.7	52135.2	487.713 ug/L	487.713 ug/L	07:51:53
2	Mo 202.031†	2570.3	2503.4	489.251 ug/L	489.251 ug/L	07:52:13
2	Ni 231.604†	5081.9	5025.2	491.582 ug/L	491.582 ug/L	07:52:13
2	Pb 220.353†	728.7	703.8	490.104 ug/L	490.104 ug/L	07:52:13
2	Sb 217.584†	2921.7	2926.3	2453.10 ug/L	2453.10 ug/L	07:52:13
2	Se 196.026†	1757.2	1723.1	2446.39 ug/L	2446.39 ug/L	07:52:13
2	Si 251.611†	25182.7	24871.8	2405.75 ug/L	2405.75 ug/L	07:51:53
2	Sn 189.927†	2999.1	2988.9	2428.83 ug/L	2428.83 ug/L	07:52:13
2	Tl 190.801†	1365.4	1363.3	2435.53 ug/L	2435.53 ug/L	07:52:13
2	V 292.395†	18827.3	19152.4	493.509 ug/L	493.509 ug/L	07:51:53
2	Zn 206.200†	2348.7	2335.9	488.205 ug/L	488.205 ug/L	07:52:13

Mean Data: 2D13001-CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	370910.0	100.016	%	2.8580				2.86%
Y 360.076	267012.2	100.699	%	0.3281				0.33%
Ag 328.068†	28582.2	541.975	ug/L	4.5070	541.975	ug/L	4.5070	0.83%
QC value within limits for Ag 328.068 Recovery = 108.40%								
Al 396.153†	11603.6	2478.32	ug/L	92.526	2478.32	ug/L	92.526	3.73%
QC value within limits for Al 396.153 Recovery = 99.13%								
As 188.979†	1207.7	2443.82	ug/L	26.888	2443.82	ug/L	26.888	1.10%
QC value within limits for As 188.979 Recovery = 97.75%								
B 249.677†	9658.3	483.565	ug/L	2.1449	483.565	ug/L	2.1449	0.44%
QC value within limits for B 249.677 Recovery = 96.71%								
Ba 455.398†	161360.7	490.848	ug/L	17.0397	490.848	ug/L	17.0397	3.47%
QC value within limits for Ba 455.398 Recovery = 98.17%								
Be 234.861†	7852.5	48.7760	ug/L	0.09748	48.7760	ug/L	0.09748	0.20%
QC value within limits for Be 234.861 Recovery = 97.55%								
Ca 315.887†	6848.3	4.87365	mg/L	0.152380	4.87365	mg/L	0.152380	3.13%
QC value within limits for Ca 315.887 Recovery = 97.47%								
Cd 214.437†	7071.0	489.317	ug/L	1.3299	489.317	ug/L	1.3299	0.27%
QC value within limits for Cd 214.437 Recovery = 97.86%								
Ce 413.764†	-60.8	-1.81903	ug/L	0.484840	-1.81903	ug/L	0.484840	26.65%
Co 228.616†	2354.7	489.471	ug/L	0.8218	489.471	ug/L	0.8218	0.17%
QC value within limits for Co 228.616 Recovery = 97.89%								
Cr 205.557†	3156.9	491.685	ug/L	1.1611	491.685	ug/L	1.1611	0.24%
QC value within limits for Cr 205.557 Recovery = 98.34%								
Cu 327.397†	16555.2	497.602	ug/L	4.4440	497.602	ug/L	4.4440	0.89%
QC value within limits for Cu 327.397 Recovery = 99.52%								

Fe 238.204†	1277.1	489.947 ug/L	16.7620	489.947 ug/L	16.7620	3.42%
QC value within limits for Fe 238.204 Recovery = 97.99%						
K 766.490	8286.7	5.02135 mg/L	0.049670	5.02135 mg/L	0.049670	0.99%
QC value within limits for K 766.490 Recovery = 100.43%						
Li 670.784†	33022.0	494.863 ug/L	19.1897	494.863 ug/L	19.1897	3.88%
QC value within limits for Li 670.784 Recovery = 98.97%						
Mg 279.071†	2877.0	4.93573 mg/L	0.176770	4.93573 mg/L	0.176770	3.58%
QC value within limits for Mg 279.071 Recovery = 98.71%						
Mn 257.610†	52483.1	490.972 ug/L	4.6084	490.972 ug/L	4.6084	0.94%
QC value within limits for Mn 257.610 Recovery = 98.19%						
Mo 202.031†	2500.7	488.729 ug/L	0.7393	488.729 ug/L	0.7393	0.15%
QC value within limits for Mo 202.031 Recovery = 97.75%						
Na 589.592†	37661.8	4.93465 mg/L	0.174580	4.93465 mg/L	0.174580	3.54%
QC value within limits for Na 589.592 Recovery = 98.69%						
Ni 231.604†	5024.0	491.458 ug/L	0.1752	491.458 ug/L	0.1752	0.04%
QC value within limits for Ni 231.604 Recovery = 98.29%						
Pb 220.353†	707.3	492.516 ug/L	3.4115	492.516 ug/L	3.4115	0.69%
QC value within limits for Pb 220.353 Recovery = 98.50%						
Sb 217.584†	2917.1	2445.44 ug/L	10.831	2445.44 ug/L	10.831	0.44%
QC value within limits for Sb 217.584 Recovery = 97.82%						
Se 196.026†	1729.1	2454.87 ug/L	11.990	2454.87 ug/L	11.990	0.49%
QC value within limits for Se 196.026 Recovery = 98.19%						
Si 251.611†	25004.2	2418.35 ug/L	17.819	2418.35 ug/L	17.819	0.74%
QC value within limits for Si 251.611 Recovery = 96.73%						
Sn 189.927†	2984.0	2424.83 ug/L	5.654	2424.83 ug/L	5.654	0.23%
QC value within limits for Sn 189.927 Recovery = 96.99%						
Sr 407.771†	465452.1	490.041 ug/L	16.4194	490.041 ug/L	16.4194	3.35%
QC value within limits for Sr 407.771 Recovery = 98.01%						
Ti 334.940†	10911.7	495.258 ug/L	16.1190	495.258 ug/L	16.1190	3.25%
QC value within limits for Ti 334.940 Recovery = 99.05%						
Tl 190.801†	1363.0	2435.13 ug/L	0.566	2435.13 ug/L	0.566	0.02%
QC value within limits for Tl 190.801 Recovery = 97.41%						
V 292.395†	19295.2	497.100 ug/L	5.0785	497.100 ug/L	5.0785	1.02%
QC value within limits for V 292.395 Recovery = 99.42%						
Zn 206.200†	2334.0	487.820 ug/L	0.5455	487.820 ug/L	0.5455	0.11%
QC value within limits for Zn 206.200 Recovery = 97.56%						

All analyte(s) passed QC.

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Sequence No.: 14
Sample ID: 2D13001-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 4/13/2012 7:53:30 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D13001-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	359229.9	359229.9	96.8660	%			07:54:34
1	Al 396.153†	-16.1	-8.4	-17.1316	ug/L	-17.1316	ug/L	07:54:54
1	Ba 455.398†	392.0	10.9	-0.297453	ug/L	-0.297453	ug/L	07:54:34
1	Ca 315.887†	4.0	1.2	-0.0128679	mg/L	-0.0128679	mg/L	07:54:54
1	Fe 238.204†	30.0	7.9	2.69034	ug/L	2.69034	ug/L	07:54:54
1	K 766.490	-239.1	-19.6	-0.0211479	mg/L	-0.0211479	mg/L	07:54:34
1	Li 670.784†	-59.4	-1.4	-0.189875	ug/L	-0.189875	ug/L	07:54:34
1	Mg 279.071†	49.3	5.6	-0.0148183	mg/L	-0.0148183	mg/L	07:54:54
1	Na 589.592†	197.5	-8.6	-0.0177641	mg/L	-0.0177641	mg/L	07:54:34
1	Sr 407.771†	626.7	18.5	-0.964849	ug/L	-0.964849	ug/L	07:54:34
1	Ti 334.940†	2.6	13.4	0.113161	ug/L	0.113161	ug/L	07:54:54
1	Y 360.076	263964.6	263964.6	99.5500	%			07:55:26
1	Ag 328.068†	15.2	18.1	-15.3073	ug/L	-15.3073	ug/L	07:55:46
1	As 188.979†	-7.2	8.5	11.1700	ug/L	11.1700	ug/L	07:55:46
1	B 249.677†	210.6	142.6	4.73087	ug/L	4.73087	ug/L	07:55:46
1	Be 234.861†	-541.0	2.5	-0.0968058	ug/L	-0.0968058	ug/L	07:55:46
1	Cd 214.437†	236.1	-1.1	-1.53455	ug/L	-1.53455	ug/L	07:55:46
1	Ce 413.764†	1651.1	-59.4	-1.65883	ug/L	-1.65883	ug/L	07:55:26
1	Co 228.616†	-27.9	-3.2	-1.36958	ug/L	-1.36958	ug/L	07:55:46
1	Cr 205.557†	-1.7	2.1	-0.846864	ug/L	-0.846864	ug/L	07:55:46
1	Cu 327.397†	496.8	324.1	11.9804	ug/L	11.9804	ug/L	07:55:26
1	Mn 257.610†	211.4	30.2	-0.318818	ug/L	-0.318818	ug/L	07:55:46

1	Mo 202.031†	41.5	-1.5	-1.27151 ug/L	-1.27151 ug/L	07:55:46
1	Ni 231.604†	11.9	2.2	-0.496030 ug/L	-0.496030 ug/L	07:55:46
1	Pb 220.353†	12.4	-5.7	-3.55856 ug/L	-3.55856 ug/L	07:55:46
1	Sb 217.584†	-25.1	6.3	4.44059 ug/L	4.44059 ug/L	07:55:46
1	Se 196.026†	13.6	-4.3	-6.20409 ug/L	-6.20409 ug/L	07:55:46
1	Si 251.611†	61.3	-17.0	-9.96641 ug/L	-9.96641 ug/L	07:55:46
1	Sn 189.927†	-18.0	-0.6	17.2323 ug/L	17.2323 ug/L	07:55:46
1	Tl 190.801†	-10.6	-0.3	6.60665 ug/L	6.60665 ug/L	07:55:46
1	V 292.395†	-477.3	19.4	1.07559 ug/L	1.07559 ug/L	07:55:26
1	Zn 206.200†	-8.2	0.6	-1.67240 ug/L	-1.67240 ug/L	07:55:46
2	Sc 357.234	372477.2	372477.2	100.438 %		07:54:59
2	Al 396.153†	30.3	38.4	-7.07822 ug/L	-7.07822 ug/L	07:55:19
2	Ba 455.398†	353.5	-41.9	-0.458005 ug/L	-0.458005 ug/L	07:54:59
2	Ca 315.887†	3.3	0.3	-0.0134460 mg/L	-0.0134460 mg/L	07:55:19
2	Fe 238.204†	31.3	8.1	2.76519 ug/L	2.76519 ug/L	07:55:19
2	K 766.490	-235.8	-16.3	-0.0191198 mg/L	-0.0191198 mg/L	07:54:59
2	Li 670.784†	-89.7	-29.4	-0.610025 ug/L	-0.610025 ug/L	07:54:59
2	Mg 279.071†	51.9	6.4	-0.0133437 mg/L	-0.0133437 mg/L	07:55:19
2	Na 589.592†	191.7	-21.7	-0.0194832 mg/L	-0.0194832 mg/L	07:54:59
2	Sr 407.771†	628.5	-2.7	-0.987174 ug/L	-0.987174 ug/L	07:54:59
2	Ti 334.940†	0.6	11.2	0.0151287 ug/L	0.0151287 ug/L	07:55:19
2	Y 360.076	266484.0	266484.0	100.500 %		07:55:51
2	Ag 328.068†	0.4	3.2	-15.5984 ug/L	-15.5984 ug/L	07:56:11
2	As 188.979†	-13.4	2.4	-1.17679 ug/L	-1.17679 ug/L	07:56:11
2	B 249.677†	200.8	130.9	4.13526 ug/L	4.13526 ug/L	07:56:11
2	Be 234.861†	-535.4	13.2	-0.0298240 ug/L	-0.0298240 ug/L	07:56:11
2	Cd 214.437†	239.9	0.5	-1.42619 ug/L	-1.42619 ug/L	07:56:11
2	Ce 413.764†	1671.8	-54.5	-1.52129 ug/L	-1.52129 ug/L	07:55:51
2	Co 228.616†	-25.4	-0.4	-0.787682 ug/L	-0.787682 ug/L	07:56:11
2	Cr 205.557†	-0.5	3.3	-0.658721 ug/L	-0.658721 ug/L	07:56:11
2	Cu 327.397†	495.9	318.5	11.8128 ug/L	11.8128 ug/L	07:55:51
2	Mn 257.610†	213.0	29.7	-0.323140 ug/L	-0.323140 ug/L	07:56:11
2	Mo 202.031†	50.0	6.5	0.306795 ug/L	0.306795 ug/L	07:56:11
2	Ni 231.604†	9.6	-0.3	-0.735205 ug/L	-0.735205 ug/L	07:56:11
2	Pb 220.353†	17.1	-1.2	-0.377923 ug/L	-0.377923 ug/L	07:56:11
2	Sb 217.584†	-22.3	9.4	6.99558 ug/L	6.99558 ug/L	07:56:11
2	Se 196.026†	23.5	5.5	7.62272 ug/L	7.62272 ug/L	07:56:11
2	Si 251.611†	65.6	-13.2	-9.60765 ug/L	-9.60765 ug/L	07:56:11
2	Sn 189.927†	-14.3	3.2	20.3276 ug/L	20.3276 ug/L	07:56:11
2	Tl 190.801†	-10.1	0.4	7.76644 ug/L	7.76644 ug/L	07:56:11
2	V 292.395†	-492.1	9.2	0.848615 ug/L	0.848615 ug/L	07:55:51
2	Zn 206.200†	-8.8	0.1	-1.78957 ug/L	-1.78957 ug/L	07:56:11

Mean Data: 2D13001-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	365853.5	98.6521	%	2.52588				2.56%
Y 360.076	265224.3	100.025	%	0.6719				0.67%
Ag 328.068†	10.7	-15.4529	ug/L	0.20585	-15.4529	ug/L	0.20585	1.33%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 396.153†	15.0	-12.1049	ug/L	7.10885	-12.1049	ug/L	7.10885	58.73%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	5.5	4.99662	ug/L	8.730529	4.99662	ug/L	8.730529	174.73%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	136.7	4.43306	ug/L	0.421166	4.43306	ug/L	0.421166	9.50%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	-15.5	-0.377729	ug/L	0.1135268	-0.377729	ug/L	0.1135268	30.06%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	7.9	-0.0633149	ug/L	0.04736329	-0.0633149	ug/L	0.04736329	74.81%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	0.8	-0.0131570	mg/L	0.00040878	-0.0131570	mg/L	0.00040878	3.11%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-0.3	-1.48037	ug/L	0.076621	-1.48037	ug/L	0.076621	5.18%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-56.9	-1.59006	ug/L	0.097250	-1.59006	ug/L	0.097250	6.12%
Co 228.616†	-1.8	-1.07863	ug/L	0.411465	-1.07863	ug/L	0.411465	38.15%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	2.7	-0.752793	ug/L	0.1330370	-0.752793	ug/L	0.1330370	17.67%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	321.3	11.8966	ug/L	0.11851	11.8966	ug/L	0.11851	1.00%

QC value greater than the upper limit for Cu 327.397 Recovery = Not calculated

Fe 238.204†		8.0	2.72776 ug/L	0.052923	2.72776 ug/L	0.052923	1.94%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490		-17.9	-0.0201338 mg/L	0.00143407	-0.0201338 mg/L	0.00143407	7.12%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†		-15.4	-0.399950 ug/L	0.2970909	-0.399950 ug/L	0.2970909	74.28%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†		6.0	-0.0140810 mg/L	0.00104263	-0.0140810 mg/L	0.00104263	7.40%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†		30.0	-0.320979 ug/L	0.0030561	-0.320979 ug/L	0.0030561	0.95%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†		2.5	-0.482358 ug/L	1.1160309	-0.482358 ug/L	1.1160309	231.37%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†		-15.2	-0.0186237 mg/L	0.00121560	-0.0186237 mg/L	0.00121560	6.53%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†		1.0	-0.615618 ug/L	0.1691219	-0.615618 ug/L	0.1691219	27.47%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†		-3.4	-1.96824 ug/L	2.249052	-1.96824 ug/L	2.249052	114.27%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†		7.8	5.71809 ug/L	1.806646	5.71809 ug/L	1.806646	31.60%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†		0.6	0.709318 ug/L	9.7770330	0.709318 ug/L	9.7770330	>999.9%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†		-15.1	-9.78703 ug/L	0.253687	-9.78703 ug/L	0.253687	2.59%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†		1.3	18.7799 ug/L	2.18874	18.7799 ug/L	2.18874	11.65%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†		7.9	-0.976011 ug/L	0.0157860	-0.976011 ug/L	0.0157860	1.62%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†		12.3	0.0641448 ug/L	0.06931919	0.0641448 ug/L	0.06931919	108.07%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†		0.1	7.18654 ug/L	0.820094	7.18654 ug/L	0.820094	11.41%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†		14.3	0.962101 ug/L	0.1604935	0.962101 ug/L	0.1604935	16.68%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†		0.3	-1.73099 ug/L	0.082851	-1.73099 ug/L	0.082851	4.79%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

Sequence No.: 15
Sample ID: 1204091-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 4/13/2012 7:57:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204091-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	370756.0	370756.0	99.9741	%			07:58:31
1	Al 396.153†	-179.4	-171.1	-34.0399	ug/L	-34.0399	ug/L	07:58:31
1	Ba 455.398†	51090.6	50710.1	154.030	ug/L	154.030	ug/L	07:58:31
1	Ca 315.887†	56811.6	56823.4	40.5385	mg/L	40.5385	mg/L	07:58:31
1	Fe 238.204†	48.6	25.5	9.45544	ug/L	9.45544	ug/L	07:58:51
1	K 766.490	3591.6	3811.1	2.30431	mg/L	2.30431	mg/L	07:58:31
1	Li 670.784†	762.1	822.2	12.1567	ug/L	12.1567	ug/L	07:58:31
1	Mg 279.071†	3179.7	3135.2	5.38087	mg/L	5.38087	mg/L	07:58:51
1	Na 589.592†	179354.4	179188.4	23.5407	mg/L	23.5407	mg/L	07:58:31
1	Sr 407.771†	237982.7	237416.0	245.763	ug/L	245.763	ug/L	07:58:31
1	Ti 334.940†	6.1	16.8	0.266659	ug/L	0.266659	ug/L	07:58:51
1	Y 360.076	269083.5	269083.5	101.480	%			07:59:23
1	Ag 328.068†	27.4	29.8	-15.0744	ug/L	-15.0744	ug/L	07:59:23
1	As 188.979†	-6.1	9.7	13.5924	ug/L	13.5924	ug/L	07:59:43
1	B 249.677†	609.5	531.7	24.3837	ug/L	24.3837	ug/L	07:59:43
1	Be 234.861†	-504.4	48.9	0.191646	ug/L	0.191646	ug/L	07:59:43
1	Cd 214.437†	248.5	6.6	-0.995411	ug/L	-0.995411	ug/L	07:59:43
1	Ce 413.764†	1642.9	-99.1	-3.46803	ug/L	-3.46803	ug/L	07:59:23
1	Co 228.616†	-25.2	0.0	-0.703427	ug/L	-0.703427	ug/L	07:59:43
1	Cr 205.557†	17.6	21.2	1.51639	ug/L	1.51639	ug/L	07:59:43
1	Cu 327.397†	467.7	285.9	10.8405	ug/L	10.8405	ug/L	07:59:23

1	Mn 257.610†	288.3	101.9	0.352791 ug/L	0.352791 ug/L	07:59:43
1	Mo 202.031†	82.0	37.6	6.38365 ug/L	6.38365 ug/L	07:59:43
1	Ni 231.604†	-31.5	-40.9	-4.69513 ug/L	-4.69513 ug/L	07:59:43
1	Pb 220.353†	13.8	-4.5	-2.69150 ug/L	-2.69150 ug/L	07:59:43
1	Sb 217.584†	-35.7	-3.6	-3.91126 ug/L	-3.91126 ug/L	07:59:43
1	Se 196.026†	26.9	8.6	12.0544 ug/L	12.0544 ug/L	07:59:43
1	Si 251.611†	122275.1	120412.7	11766.5 ug/L	11766.5 ug/L	07:59:23
1	Sn 189.927†	-22.4	-4.6	13.9696 ug/L	13.9696 ug/L	07:59:43
1	Tl 190.801†	-5.7	4.8	15.6927 ug/L	15.6927 ug/L	07:59:43
1	V 292.395†	-259.5	243.2	6.87559 ug/L	6.87559 ug/L	07:59:23
1	Zn 206.200†	20.9	29.4	4.36664 ug/L	4.36664 ug/L	07:59:43
2	Sc 357.234	388453.3	388453.3	104.746 %		07:58:56
2	Al 396.153†	-204.4	-186.9	-38.3877 ug/L	-38.3877 ug/L	07:58:56
2	Ba 455.398†	50564.5	47879.6	145.414 ug/L	145.414 ug/L	07:58:56
2	Ca 315.887†	56404.5	53845.8	38.4136 mg/L	38.4136 mg/L	07:58:56
2	Fe 238.204†	51.0	25.6	9.48940 ug/L	9.48940 ug/L	07:59:16
2	K 766.490	3532.2	3751.7	2.26828 mg/L	2.26828 mg/L	07:58:56
2	Li 670.784†	771.4	796.4	11.7699 ug/L	11.7699 ug/L	07:58:56
2	Mg 279.071†	3169.3	2980.5	5.11405 mg/L	5.11405 mg/L	07:59:16
2	Na 589.592†	178338.0	170044.8	22.3386 mg/L	22.3386 mg/L	07:58:56
2	Sr 407.771†	236068.7	224743.8	232.589 ug/L	232.589 ug/L	07:58:56
2	Ti 334.940†	5.2	15.6	0.215226 ug/L	0.215226 ug/L	07:59:16
2	Y 360.076	270502.1	270502.1	102.015 %		07:59:48
2	Ag 328.068†	35.2	37.3	-14.9300 ug/L	-14.9300 ug/L	07:59:48
2	As 188.979†	-5.6	10.2	14.5769 ug/L	14.5769 ug/L	08:00:08
2	B 249.677†	604.1	523.2	23.9587 ug/L	23.9587 ug/L	08:00:08
2	Be 234.861†	-518.1	38.1	0.124230 ug/L	0.124230 ug/L	08:00:08
2	Cd 214.437†	252.3	9.1	-0.822906 ug/L	-0.822906 ug/L	08:00:08
2	Ce 413.764†	1764.8	11.9	-0.329170 ug/L	-0.329170 ug/L	07:59:48
2	Co 228.616†	-31.8	-6.3	-2.02545 ug/L	-2.02545 ug/L	08:00:08
2	Cr 205.557†	24.3	27.7	2.56387 ug/L	2.56387 ug/L	08:00:08
2	Cu 327.397†	489.5	304.9	11.4094 ug/L	11.4094 ug/L	07:59:48
2	Mn 257.610†	283.2	95.4	0.291784 ug/L	0.291784 ug/L	08:00:08
2	Mo 202.031†	84.9	40.0	6.85581 ug/L	6.85581 ug/L	08:00:08
2	Ni 231.604†	-28.9	-38.1	-4.42428 ug/L	-4.42428 ug/L	08:00:08
2	Pb 220.353†	20.1	1.6	1.55507 ug/L	1.55507 ug/L	08:00:08
2	Sb 217.584†	-38.8	-6.5	-6.31499 ug/L	-6.31499 ug/L	08:00:08
2	Se 196.026†	25.9	7.5	10.5518 ug/L	10.5518 ug/L	08:00:08
2	Si 251.611†	122363.2	119867.2	11713.2 ug/L	11713.2 ug/L	07:59:48
2	Sn 189.927†	-15.5	2.3	19.5696 ug/L	19.5696 ug/L	08:00:08
2	Tl 190.801†	-4.7	5.8	17.3778 ug/L	17.3778 ug/L	08:00:08
2	V 292.395†	-213.5	289.6	8.05680 ug/L	8.05680 ug/L	07:59:48
2	Zn 206.200†	22.0	30.4	4.56700 ug/L	4.56700 ug/L	08:00:08

Mean Data: 1204091-01

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 357.234	379604.7	102.360	%	3.3744				3.30%
Y 360.076	269792.8	101.748	%	0.3783				0.37%
Ag 328.068†	33.6	-15.0022	ug/L	0.10212	-15.0022	ug/L	0.10212	0.68%
Al 396.153†	-179.0	-36.2138	ug/L	3.07439	-36.2138	ug/L	3.07439	8.49%
As 188.979†	9.9	14.0846	ug/L	0.69609	14.0846	ug/L	0.69609	4.94%
B 249.677†	527.4	24.1712	ug/L	0.30052	24.1712	ug/L	0.30052	1.24%
Ba 455.398†	49294.8	149.722	ug/L	6.0919	149.722	ug/L	6.0919	4.07%
Be 234.861†	43.5	0.157938	ug/L	0.0476707	0.157938	ug/L	0.0476707	30.18%
Ca 315.887†	55334.6	39.4760	mg/L	1.50257	39.4760	mg/L	1.50257	3.81%
Cd 214.437†	7.9	-0.909158	ug/L	0.1219798	-0.909158	ug/L	0.1219798	13.42%
Ce 413.764†	-43.6	-1.89860	ug/L	2.219508	-1.89860	ug/L	2.219508	116.90%
Co 228.616†	-3.2	-1.36444	ug/L	0.934813	-1.36444	ug/L	0.934813	68.51%
Cr 205.557†	24.4	2.04013	ug/L	0.740685	2.04013	ug/L	0.740685	36.31%
Cu 327.397†	295.4	11.1249	ug/L	0.40223	11.1249	ug/L	0.40223	3.62%
Fe 238.204†	25.5	9.47242	ug/L	0.024017	9.47242	ug/L	0.024017	0.25%
K 766.490	3781.4	2.28630	mg/L	0.025476	2.28630	mg/L	0.025476	1.11%
Li 670.784†	809.3	11.9633	ug/L	0.27349	11.9633	ug/L	0.27349	2.29%
Mg 279.071†	3057.8	5.24746	mg/L	0.188671	5.24746	mg/L	0.188671	3.60%
Mn 257.610†	98.7	0.322287	ug/L	0.0431384	0.322287	ug/L	0.0431384	13.39%
Mo 202.031†	38.8	6.61973	ug/L	0.333872	6.61973	ug/L	0.333872	5.04%
Na 589.592†	174616.6	22.9397	mg/L	0.85000	22.9397	mg/L	0.85000	3.71%
Ni 231.604†	-39.5	-4.55971	ug/L	0.191518	-4.55971	ug/L	0.191518	4.20%
Pb 220.353†	-1.5	-0.568214	ug/L	3.0027736	-0.568214	ug/L	3.0027736	528.46%

Sb 217.584†	-5.1	-5.11313 ug/L	1.699688	-5.11313 ug/L	1.699688	33.24%
Se 196.026†	8.0	11.3031 ug/L	1.06251	11.3031 ug/L	1.06251	9.40%
Si 251.611†	120140.0	11739.8 ug/L	37.72	11739.8 ug/L	37.72	0.32%
Sn 189.927†	-1.2	16.7696 ug/L	3.95977	16.7696 ug/L	3.95977	23.61%
Sr 407.771†	231079.9	239.176 ug/L	9.3155	239.176 ug/L	9.3155	3.89%
Ti 334.940†	16.2	0.240943 ug/L	0.0363690	0.240943 ug/L	0.0363690	15.09%
Tl 190.801†	5.3	16.5352 ug/L	1.19156	16.5352 ug/L	1.19156	7.21%
V 292.395†	266.4	7.46620 ug/L	0.835240	7.46620 ug/L	0.835240	11.19%
Zn 206.200†	29.9	4.46682 ug/L	0.141672	4.46682 ug/L	0.141672	3.17%

Sequence No.: 16 **Autosampler Location: 18**
Sample ID: 1204557-MS1 **Date Collected: 4/13/2012 8:01:23 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1204557-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	365279.9	365279.9	98.4974	%			08:02:29
1	Al 396.153†	5682.2	5777.1	1248.58	ug/L	1248.58	ug/L	08:02:49
1	Ba 455.398†	132855.6	134488.5	409.050	ug/L	409.050	ug/L	08:02:29
1	Ca 315.887†	72595.1	73699.5	52.5822	mg/L	52.5822	mg/L	08:02:29
1	Fe 238.204†	678.3	665.5	255.178	ug/L	255.178	ug/L	08:02:49
1	K 766.490	24630.8	24850.3	15.0766	mg/L	15.0766	mg/L	08:02:29
1	Li 670.784†	17704.9	18034.9	270.193	ug/L	270.193	ug/L	08:02:29
1	Mg 279.071†	10437.4	10551.3	18.1667	mg/L	18.1667	mg/L	08:02:49
1	Na 589.592†	272107.7	276046.1	36.2743	mg/L	36.2743	mg/L	08:02:29
1	Sr 407.771†	471634.4	478200.6	498.848	ug/L	498.848	ug/L	08:02:29
1	Ti 334.940†	5488.0	5582.4	253.134	ug/L	253.134	ug/L	08:02:49
1	Y 360.076	262884.7	262884.7	99.1427	%			08:03:20
1	Ag 328.068†	13623.0	13743.6	252.490	ug/L	252.490	ug/L	08:03:20
1	As 188.979†	622.3	643.4	1299.12	ug/L	1299.12	ug/L	08:03:40
1	B 249.677†	5540.2	5519.1	275.375	ug/L	275.375	ug/L	08:03:40
1	Be 234.861†	3568.1	4144.9	25.6952	ug/L	25.6952	ug/L	08:03:40
1	Cd 214.437†	3833.9	3628.8	250.409	ug/L	250.409	ug/L	08:03:40
1	Ce 413.764†	1722.2	19.1	-0.391141	ug/L	-0.391141	ug/L	08:03:20
1	Co 228.616†	1173.4	1208.4	250.846	ug/L	250.846	ug/L	08:03:40
1	Cr 205.557†	1618.2	1636.0	253.486	ug/L	253.486	ug/L	08:03:40
1	Cu 327.397†	8817.6	8718.9	263.146	ug/L	263.146	ug/L	08:03:20
1	Mn 257.610†	26459.4	26506.0	247.662	ug/L	247.662	ug/L	08:03:20
1	Mo 202.031†	1345.4	1313.8	256.296	ug/L	256.296	ug/L	08:03:40
1	Ni 231.604†	2495.6	2507.3	244.938	ug/L	244.938	ug/L	08:03:40
1	Pb 220.353†	382.6	367.8	256.320	ug/L	256.320	ug/L	08:03:40
1	Sb 217.584†	1422.4	1466.3	1228.75	ug/L	1228.75	ug/L	08:03:40
1	Se 196.026†	995.7	986.5	1400.51	ug/L	1400.51	ug/L	08:03:40
1	Si 251.611†	132507.7	133575.0	13044.2	ug/L	13044.2	ug/L	08:03:20
1	Sn 189.927†	1374.2	1403.6	1149.93	ug/L	1149.93	ug/L	08:03:40
1	Tl 190.801†	732.5	749.3	1341.78	ug/L	1341.78	ug/L	08:03:40
1	V 292.395†	9674.9	10257.4	264.487	ug/L	264.487	ug/L	08:03:40
1	Zn 206.200†	1201.1	1220.3	254.181	ug/L	254.181	ug/L	08:03:40
2	Sc 357.234	379296.2	379296.2	102.277	%			08:02:54
2	Al 396.153†	5646.7	5529.3	1194.01	ug/L	1194.01	ug/L	08:03:14
2	Ba 455.398†	130781.7	127476.4	387.706	ug/L	387.706	ug/L	08:02:54
2	Ca 315.887†	71546.3	69950.5	49.9067	mg/L	49.9067	mg/L	08:02:54
2	Fe 238.204†	688.0	649.6	249.060	ug/L	249.060	ug/L	08:03:14
2	K 766.490	24320.9	24540.5	14.8884	mg/L	14.8884	mg/L	08:02:54
2	Li 670.784†	17482.0	17152.7	256.967	ug/L	256.967	ug/L	08:02:54
2	Mg 279.071†	10432.5	10155.0	17.4834	mg/L	17.4834	mg/L	08:03:14
2	Na 589.592†	268105.9	261924.7	34.4178	mg/L	34.4178	mg/L	08:02:54
2	Sr 407.771†	464010.3	453051.9	472.553	ug/L	472.553	ug/L	08:02:54
2	Ti 334.940†	5524.3	5412.0	245.388	ug/L	245.388	ug/L	08:03:14
2	Y 360.076	266875.6	266875.6	100.648	%			08:03:45
2	Ag 328.068†	13724.6	13639.1	250.448	ug/L	250.448	ug/L	08:03:45
2	As 188.979†	627.3	639.0	1290.18	ug/L	1290.18	ug/L	08:04:05
2	B 249.677†	5541.0	5436.4	271.210	ug/L	271.210	ug/L	08:04:05
2	Be 234.861†	3542.2	4065.4	25.2009	ug/L	25.2009	ug/L	08:04:05
2	Cd 214.437†	3820.8	3558.0	245.495	ug/L	245.495	ug/L	08:04:05
2	Ce 413.764†	1773.5	44.1	0.353254	ug/L	0.353254	ug/L	08:03:45

2	Co 228.616†	1176.6	1193.9	247.840 ug/L	247.840 ug/L	08:04:05
2	Cr 205.557†	1609.6	1603.1	248.386 ug/L	248.386 ug/L	08:04:05
2	Cu 327.397†	8896.8	8664.6	261.512 ug/L	261.512 ug/L	08:03:45
2	Mn 257.610†	26596.7	26243.3	245.201 ug/L	245.201 ug/L	08:03:45
2	Mo 202.031†	1362.1	1310.1	255.578 ug/L	255.578 ug/L	08:04:05
2	Ni 231.604†	2506.0	2480.1	242.276 ug/L	242.276 ug/L	08:04:05
2	Pb 220.353†	381.5	360.9	251.558 ug/L	251.558 ug/L	08:04:05
2	Sb 217.584†	1436.5	1458.8	1222.50 ug/L	1222.50 ug/L	08:04:05
2	Se 196.026†	992.0	967.7	1373.93 ug/L	1373.93 ug/L	08:04:05
2	Si 251.611†	133585.7	132647.4	12953.7 ug/L	12953.7 ug/L	08:03:45
2	Sn 189.927†	1380.4	1389.0	1138.17 ug/L	1138.17 ug/L	08:04:05
2	Tl 190.801†	723.7	729.4	1306.42 ug/L	1306.42 ug/L	08:04:05
2	V 292.395†	9655.4	10092.1	260.302 ug/L	260.302 ug/L	08:04:05
2	Zn 206.200†	1205.8	1206.8	251.363 ug/L	251.363 ug/L	08:04:05

Mean Data: 1204557-MS1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	372288.1	100.387	%	2.6725				2.66%
Y 360.076	264880.1	99.8953	%	1.06427				1.07%
Ag 328.068†	13691.4	251.469	ug/L	1.4441	251.469	ug/L	1.4441	0.57%
Al 396.153†	5653.2	1221.30	ug/L	38.587	1221.30	ug/L	38.587	3.16%
As 188.979†	641.2	1294.65	ug/L	6.323	1294.65	ug/L	6.323	0.49%
B 249.677†	5477.7	273.292	ug/L	2.9449	273.292	ug/L	2.9449	1.08%
Ba 455.398†	130982.5	398.378	ug/L	15.0929	398.378	ug/L	15.0929	3.79%
Be 234.861†	4105.2	25.4481	ug/L	0.34955	25.4481	ug/L	0.34955	1.37%
Ca 315.887†	71825.0	51.2445	mg/L	1.89184	51.2445	mg/L	1.89184	3.69%
Cd 214.437†	3593.4	247.952	ug/L	3.4754	247.952	ug/L	3.4754	1.40%
Ce 413.764†	31.6	-0.0189438	ug/L	0.52636670	-0.0189438	ug/L	0.52636670	>999.9%
Co 228.616†	1201.2	249.343	ug/L	2.1256	249.343	ug/L	2.1256	0.85%
Cr 205.557†	1619.6	250.936	ug/L	3.6061	250.936	ug/L	3.6061	1.44%
Cu 327.397†	8691.7	262.329	ug/L	1.1552	262.329	ug/L	1.1552	0.44%
Fe 238.204†	657.6	252.119	ug/L	4.3262	252.119	ug/L	4.3262	1.72%
K 766.490	24695.4	14.9825	mg/L	0.13302	14.9825	mg/L	0.13302	0.89%
Li 670.784†	17593.8	263.580	ug/L	9.3519	263.580	ug/L	9.3519	3.55%
Mg 279.071†	10353.2	17.8250	mg/L	0.48315	17.8250	mg/L	0.48315	2.71%
Mn 257.610†	26374.6	246.431	ug/L	1.7398	246.431	ug/L	1.7398	0.71%
Mo 202.031†	1311.9	255.937	ug/L	0.5074	255.937	ug/L	0.5074	0.20%
Na 589.592†	268985.4	35.3460	mg/L	1.31273	35.3460	mg/L	1.31273	3.71%
Ni 231.604†	2493.7	243.607	ug/L	1.8826	243.607	ug/L	1.8826	0.77%
Pb 220.353†	364.4	253.939	ug/L	3.3672	253.939	ug/L	3.3672	1.33%
Sb 217.584†	1462.5	1225.62	ug/L	4.422	1225.62	ug/L	4.422	0.36%
Se 196.026†	977.1	1387.22	ug/L	18.793	1387.22	ug/L	18.793	1.35%
Si 251.611†	133111.2	12999.0	ug/L	63.97	12999.0	ug/L	63.97	0.49%
Sn 189.927†	1396.3	1144.05	ug/L	8.316	1144.05	ug/L	8.316	0.73%
Sr 407.771†	465626.3	485.701	ug/L	18.5934	485.701	ug/L	18.5934	3.83%
Ti 334.940†	5497.2	249.261	ug/L	5.4772	249.261	ug/L	5.4772	2.20%
Tl 190.801†	739.3	1324.10	ug/L	24.998	1324.10	ug/L	24.998	1.89%
V 292.395†	10174.7	262.394	ug/L	2.9597	262.394	ug/L	2.9597	1.13%
Zn 206.200†	1213.6	252.772	ug/L	1.9925	252.772	ug/L	1.9925	0.79%

Sequence No.: 17
Sample ID: 1204557-MSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 4/13/2012 8:05:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204557-MSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	364493.0	364493.0	98.2852	%			08:06:24
1	Al 396.153†	5721.0	5829.1	1259.91	ug/L	1259.91	ug/L	08:06:44
1	Ba 455.398†	133589.4	135526.3	412.209	ug/L	412.209	ug/L	08:06:24
1	Ca 315.887†	72849.5	74117.5	52.8805	mg/L	52.8805	mg/L	08:06:24
1	Fe 238.204†	688.1	677.0	259.587	ug/L	259.587	ug/L	08:06:44
1	K 766.490	24804.2	25023.7	15.1818	mg/L	15.1818	mg/L	08:06:24
1	Li 670.784†	17753.6	18123.3	271.517	ug/L	271.517	ug/L	08:06:24
1	Mg 279.071†	10493.8	10631.6	18.3051	mg/L	18.3051	mg/L	08:06:44

1	Na 589.592†	272370.2	276909.7	36.3878 mg/L	36.3878 mg/L	08:06:24
1	Sr 407.771†	473114.7	480740.6	501.501 ug/L	501.501 ug/L	08:06:24
1	Ti 334.940†	5539.4	5646.7	256.055 ug/L	256.055 ug/L	08:06:44
1	Y 360.076	265576.2	265576.2	100.158 %		08:07:15
1	Ag 328.068†	13965.2	13946.0	256.442 ug/L	256.442 ug/L	08:07:35
1	As 188.979†	633.0	647.7	1307.95 ug/L	1307.95 ug/L	08:07:35
1	B 249.677†	5641.5	5563.7	277.627 ug/L	277.627 ug/L	08:07:35
1	Be 234.861†	3593.1	4133.4	25.6220 ug/L	25.6220 ug/L	08:07:35
1	Cd 214.437†	3846.0	3601.6	248.525 ug/L	248.525 ug/L	08:07:35
1	Ce 413.764†	1652.0	-68.6	-2.84698 ug/L	-2.84698 ug/L	08:07:15
1	Co 228.616†	1181.9	1205.0	250.124 ug/L	250.124 ug/L	08:07:35
1	Cr 205.557†	1617.9	1619.2	250.856 ug/L	250.856 ug/L	08:07:35
1	Cu 327.397†	8984.6	8795.5	265.436 ug/L	265.436 ug/L	08:07:15
1	Mn 257.610†	27058.6	26833.8	250.732 ug/L	250.732 ug/L	08:07:15
1	Mo 202.031†	1356.7	1311.3	255.817 ug/L	255.817 ug/L	08:07:35
1	Ni 231.604†	2506.1	2492.4	243.473 ug/L	243.473 ug/L	08:07:35
1	Pb 220.353†	377.5	358.7	250.049 ug/L	250.049 ug/L	08:07:35
1	Sb 217.584†	1434.1	1463.3	1226.30 ug/L	1226.30 ug/L	08:07:35
1	Se 196.026†	998.5	979.1	1389.98 ug/L	1389.98 ug/L	08:07:35
1	Si 251.611†	134705.3	134414.6	13126.2 ug/L	13126.2 ug/L	08:07:15
1	Sn 189.927†	1398.1	1413.4	1157.87 ug/L	1157.87 ug/L	08:07:35
1	Tl 190.801†	720.2	729.5	1306.63 ug/L	1306.63 ug/L	08:07:35
1	V 292.395†	9764.8	10248.2	264.245 ug/L	264.245 ug/L	08:07:35
1	Zn 206.200†	1209.9	1216.8	253.453 ug/L	253.453 ug/L	08:07:35
2	Sc 357.234	378682.6	378682.6	102.111 %		08:06:49
2	Al 396.153†	5705.1	5595.4	1208.45 ug/L	1208.45 ug/L	08:07:09
2	Ba 455.398†	131954.9	128832.5	391.833 ug/L	391.833 ug/L	08:06:49
2	Ca 315.887†	72199.9	70704.0	50.4444 mg/L	50.4444 mg/L	08:06:49
2	Fe 238.204†	688.7	651.4	249.748 ug/L	249.748 ug/L	08:07:09
2	K 766.490	24492.9	24712.4	14.9928 mg/L	14.9928 mg/L	08:06:49
2	Li 670.784†	17641.1	17336.3	259.719 ug/L	259.719 ug/L	08:06:49
2	Mg 279.071†	10425.8	10165.0	17.5005 mg/L	17.5005 mg/L	08:07:09
2	Na 589.592†	269596.8	263809.5	34.6656 mg/L	34.6656 mg/L	08:06:49
2	Sr 407.771†	468319.3	458006.9	477.733 ug/L	477.733 ug/L	08:06:49
2	Ti 334.940†	5552.4	5448.2	247.037 ug/L	247.037 ug/L	08:07:09
2	Y 360.076	266596.8	266596.8	100.543 %		08:07:40
2	Ag 328.068†	13899.6	13827.4	254.121 ug/L	254.121 ug/L	08:08:00
2	As 188.979†	632.9	645.2	1302.75 ug/L	1302.75 ug/L	08:08:00
2	B 249.677†	5646.2	5546.8	276.782 ug/L	276.782 ug/L	08:08:00
2	Be 234.861†	3615.5	4141.9	25.6786 ug/L	25.6786 ug/L	08:08:00
2	Cd 214.437†	3866.4	3607.2	248.915 ug/L	248.915 ug/L	08:08:00
2	Ce 413.764†	1748.6	21.2	-0.295689 ug/L	-0.295689 ug/L	08:07:40
2	Co 228.616†	1182.6	1201.1	249.339 ug/L	249.339 ug/L	08:08:00
2	Cr 205.557†	1620.4	1615.5	250.316 ug/L	250.316 ug/L	08:08:00
2	Cu 327.397†	9016.6	8793.0	265.352 ug/L	265.352 ug/L	08:07:40
2	Mn 257.610†	26998.7	26670.8	249.206 ug/L	249.206 ug/L	08:07:40
2	Mo 202.031†	1374.5	1323.9	258.278 ug/L	258.278 ug/L	08:08:00
2	Ni 231.604†	2518.2	2494.8	243.719 ug/L	243.719 ug/L	08:08:00
2	Pb 220.353†	381.0	360.8	251.443 ug/L	251.443 ug/L	08:08:00
2	Sb 217.584†	1453.6	1477.3	1238.00 ug/L	1238.00 ug/L	08:08:00
2	Se 196.026†	996.0	972.7	1381.05 ug/L	1381.05 ug/L	08:08:00
2	Si 251.611†	134617.8	133812.7	13067.6 ug/L	13067.6 ug/L	08:07:40
2	Sn 189.927†	1409.8	1419.6	1162.90 ug/L	1162.90 ug/L	08:08:00
2	Tl 190.801†	736.9	743.4	1331.22 ug/L	1331.22 ug/L	08:08:00
2	V 292.395†	9744.2	10190.4	262.837 ug/L	262.837 ug/L	08:08:00
2	Zn 206.200†	1220.4	1222.7	254.683 ug/L	254.683 ug/L	08:08:00

Mean Data: 1204557-MSD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	371587.8	100.198	%	2.7055				2.70%
Y 360.076	266086.5	100.350	%	0.2722				0.27%
Ag 328.068†	13886.7	255.281	ug/L	1.6411	255.281	ug/L	1.6411	0.64%
Al 396.153†	5712.2	1234.18	ug/L	36.388	1234.18	ug/L	36.388	2.95%
As 188.979†	646.4	1305.35	ug/L	3.683	1305.35	ug/L	3.683	0.28%
B 249.677†	5555.2	277.204	ug/L	0.5970	277.204	ug/L	0.5970	0.22%
Ba 455.398†	132179.4	402.021	ug/L	14.4076	402.021	ug/L	14.4076	3.58%
Be 234.861†	4137.7	25.6503	ug/L	0.04007	25.6503	ug/L	0.04007	0.16%
Ca 315.887†	72410.7	51.6625	mg/L	1.72257	51.6625	mg/L	1.72257	3.33%
Cd 214.437†	3604.4	248.720	ug/L	0.2761	248.720	ug/L	0.2761	0.11%

Ce 413.764†	-23.7	-1.57134 ug/L	1.804039	-1.57134 ug/L	1.804039	114.81%
Co 228.616†	1203.0	249.731 ug/L	0.5551	249.731 ug/L	0.5551	0.22%
Cr 205.557†	1617.3	250.586 ug/L	0.3818	250.586 ug/L	0.3818	0.15%
Cu 327.397†	8794.2	265.394 ug/L	0.0593	265.394 ug/L	0.0593	0.02%
Fe 238.204†	664.2	254.668 ug/L	6.9576	254.668 ug/L	6.9576	2.73%
K 766.490	24868.1	15.0873 mg/L	0.13361	15.0873 mg/L	0.13361	0.89%
Li 670.784†	17729.8	265.618 ug/L	8.3421	265.618 ug/L	8.3421	3.14%
Mg 279.071†	10398.3	17.9028 mg/L	0.56891	17.9028 mg/L	0.56891	3.18%
Mn 257.610†	26752.3	249.969 ug/L	1.0797	249.969 ug/L	1.0797	0.43%
Mo 202.031†	1317.6	257.048 ug/L	1.7405	257.048 ug/L	1.7405	0.68%
Na 589.592†	270359.6	35.5267 mg/L	1.21780	35.5267 mg/L	1.21780	3.43%
Ni 231.604†	2493.6	243.596 ug/L	0.1736	243.596 ug/L	0.1736	0.07%
Pb 220.353†	359.8	250.746 ug/L	0.9853	250.746 ug/L	0.9853	0.39%
Sb 217.584†	1470.3	1232.15 ug/L	8.275	1232.15 ug/L	8.275	0.67%
Se 196.026†	975.9	1385.51 ug/L	6.317	1385.51 ug/L	6.317	0.46%
Si 251.611†	134113.6	13096.9 ug/L	41.44	13096.9 ug/L	41.44	0.32%
Sn 189.927†	1416.5	1160.39 ug/L	3.558	1160.39 ug/L	3.558	0.31%
Sr 407.771†	469373.7	489.617 ug/L	16.8067	489.617 ug/L	16.8067	3.43%
Ti 334.940†	5547.5	251.546 ug/L	6.3770	251.546 ug/L	6.3770	2.54%
Tl 190.801†	736.4	1318.93 ug/L	17.388	1318.93 ug/L	17.388	1.32%
V 292.395†	10219.3	263.541 ug/L	0.9959	263.541 ug/L	0.9959	0.38%
Zn 206.200†	1219.7	254.068 ug/L	0.8695	254.068 ug/L	0.8695	0.34%

Sequence No.: 18 **Autosampler Location: 20**
Sample ID: 2D13001-SRD1 **Date Collected: 4/13/2012 8:09:16 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 5X **Sample Prep Vol:**

Replicate Data: 2D13001-SRD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	359376.3	359376.3	96.9055	%			08:10:21
1	Al 396.153†	-45.0	-38.1	-20.0088	ug/L	-100.044	ug/L	08:10:41
1	Ba 455.398†	10214.0	10146.4	30.5548	ug/L	152.774	ug/L	08:10:21
1	Ca 315.887†	10878.1	11222.5	7.99528	mg/L	39.9764	mg/L	08:10:21
1	Fe 238.204†	33.8	11.8	4.19528	ug/L	20.9764	ug/L	08:10:41
1	K 766.490	496.5	716.0	0.425385	mg/L	2.12692	mg/L	08:10:21
1	Li 670.784†	79.3	141.7	1.95589	ug/L	9.77946	ug/L	08:10:21
1	Mg 279.071†	663.7	639.6	1.07831	mg/L	5.39155	mg/L	08:10:41
1	Na 589.592†	35247.9	36160.9	4.73733	mg/L	23.6867	mg/L	08:10:21
1	Sr 407.771†	46606.0	47465.8	48.3566	ug/L	241.783	ug/L	08:10:21
1	Ti 334.940†	-5.0	5.5	-0.243723	ug/L	-1.21862	ug/L	08:10:41
1	Y 360.076	265153.3	265153.3	99.9983	%			08:11:13
1	Ag 328.068†	-0.0	2.8	-15.6060	ug/L	-78.0299	ug/L	08:11:33
1	As 188.979†	-9.1	6.6	7.33309	ug/L	36.6654	ug/L	08:11:33
1	B 249.677†	238.6	169.7	6.09418	ug/L	30.4709	ug/L	08:11:33
1	Be 234.861†	-535.9	10.0	-0.0496761	ug/L	-0.248381	ug/L	08:11:33
1	Cd 214.437†	241.7	3.5	-1.21713	ug/L	-6.08564	ug/L	08:11:33
1	Ce 413.764†	1677.0	-40.9	-1.28147	ug/L	-6.40733	ug/L	08:11:13
1	Co 228.616†	-22.3	2.6	-0.174583	ug/L	-0.872917	ug/L	08:11:33
1	Cr 205.557†	1.9	5.8	-0.400330	ug/L	-2.00165	ug/L	08:11:33
1	Cu 327.397†	316.2	141.3	6.51800	ug/L	32.5900	ug/L	08:11:13
1	Mn 257.610†	192.5	10.3	-0.505303	ug/L	-2.52651	ug/L	08:11:33
1	Mo 202.031†	68.4	25.2	3.95635	ug/L	19.7818	ug/L	08:11:33
1	Ni 231.604†	-4.0	-13.8	-2.05600	ug/L	-10.2800	ug/L	08:11:33
1	Pb 220.353†	11.4	-6.7	-4.22510	ug/L	-21.1255	ug/L	08:11:33
1	Sb 217.584†	-28.2	3.3	1.90556	ug/L	9.52779	ug/L	08:11:33
1	Se 196.026†	23.2	5.4	7.46481	ug/L	37.3241	ug/L	08:11:33
1	Si 251.611†	24306.5	24228.4	2360.91	ug/L	11804.5	ug/L	08:11:13
1	Sn 189.927†	-21.9	-4.4	14.1595	ug/L	70.7976	ug/L	08:11:33
1	Tl 190.801†	-0.6	9.9	24.6280	ug/L	123.140	ug/L	08:11:33
1	V 292.395†	-467.1	31.7	1.48692	ug/L	7.43458	ug/L	08:11:13
1	Zn 206.200†	-2.7	6.2	-0.504865	ug/L	-2.52432	ug/L	08:11:33
2	Sc 357.234	372553.5	372553.5	100.459	%			08:10:46
2	Al 396.153†	20.8	29.0	-5.66309	ug/L	-28.3154	ug/L	08:11:06
2	Ba 455.398†	10183.0	9742.7	29.3259	ug/L	146.630	ug/L	08:10:46
2	Ca 315.887†	10858.1	10805.5	7.69770	mg/L	38.4885	mg/L	08:10:46
2	Fe 238.204†	35.0	11.8	4.18293	ug/L	20.9146	ug/L	08:11:06

2	K 766.490	517.8	737.3	0.438332 mg/L	2.19166 mg/L	08:10:46
2	Li 670.784†	91.7	151.2	2.09821 ug/L	10.4910 ug/L	08:10:46
2	Mg 279.071†	660.1	611.8	1.03031 mg/L	5.15156 mg/L	08:11:06
2	Na 589.592†	35027.7	34655.1	4.53937 mg/L	22.6969 mg/L	08:10:46
2	Sr 407.771†	46425.1	45584.6	46.3992 ug/L	231.996 ug/L	08:10:46
2	Ti 334.940†	-1.6	9.1	-0.0806436 ug/L	-0.403218 ug/L	08:11:06
2	Y 360.076	267316.9	267316.9	100.814 %		08:11:38
2	Ag 328.068†	19.5	22.2	-15.2279 ug/L	-76.1393 ug/L	08:11:58
2	As 188.979†	-4.6	11.1	16.4953 ug/L	82.4766 ug/L	08:11:58
2	B 249.677†	247.1	176.1	6.42476 ug/L	32.1238 ug/L	08:11:58
2	Be 234.861†	-534.2	16.1	-0.0122055 ug/L	-0.0610274 ug/L	08:11:58
2	Cd 214.437†	236.6	-3.6	-1.70680 ug/L	-8.53400 ug/L	08:11:58
2	Ce 413.764†	1662.3	-69.2	-2.06493 ug/L	-10.3246 ug/L	08:11:38
2	Co 228.616†	-28.8	-3.7	-1.47671 ug/L	-7.38353 ug/L	08:11:58
2	Cr 205.557†	-1.0	2.9	-0.848396 ug/L	-4.24198 ug/L	08:11:58
2	Cu 327.397†	311.7	134.2	6.30863 ug/L	31.5431 ug/L	08:11:38
2	Mn 257.610†	202.2	18.4	-0.429584 ug/L	-2.14792 ug/L	08:11:58
2	Mo 202.031†	59.1	15.4	2.04625 ug/L	10.2313 ug/L	08:11:58
2	Ni 231.604†	-11.7	-21.4	-2.79717 ug/L	-13.9858 ug/L	08:11:58
2	Pb 220.353†	17.0	-1.3	-0.479596 ug/L	-2.39798 ug/L	08:11:58
2	Sb 217.584†	-23.0	8.7	6.41515 ug/L	32.0758 ug/L	08:11:58
2	Se 196.026†	13.5	-4.5	-6.46924 ug/L	-32.3462 ug/L	08:11:58
2	Si 251.611†	24275.6	24001.0	2338.67 ug/L	11693.4 ug/L	08:11:38
2	Sn 189.927†	-9.7	7.9	24.0401 ug/L	120.200 ug/L	08:11:58
2	Tl 190.801†	-9.9	0.6	8.18237 ug/L	40.9119 ug/L	08:11:58
2	V 292.395†	-456.6	45.9	1.80965 ug/L	9.04825 ug/L	08:11:38
2	Zn 206.200†	-4.9	4.0	-0.960239 ug/L	-4.80119 ug/L	08:11:58

Mean Data: 2D13001-SRD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	365964.9	98.6821	%	2.51250				2.55%
Y 360.076	266235.1	100.406	%	0.5770				0.57%
Ag 328.068†	12.5	-15.4169	ug/L	0.26737	-77.0846	ug/L	1.33684	1.73%
Al 396.153†	-4.6	-12.8359	ug/L	10.14393	-64.1796	ug/L	50.71966	79.03%
As 188.979†	8.9	11.9142	ug/L	6.47867	59.5710	ug/L	32.39337	54.38%
B 249.677†	172.9	6.25947	ug/L	0.233759	31.2973	ug/L	1.16879	3.73%
Ba 455.398†	9944.5	29.9404	ug/L	0.86898	149.702	ug/L	4.3449	2.90%
Be 234.861†	13.0	-0.0309408	ug/L	0.02649575	-0.154704	ug/L	0.1324788	85.63%
Ca 315.887†	11014.0	7.84649	mg/L	0.210423	39.2325	mg/L	1.05212	2.68%
Cd 214.437†	-0.1	-1.46196	ug/L	0.346250	-7.30982	ug/L	1.731249	23.68%
Ce 413.764†	-55.0	-1.67320	ug/L	0.553990	-8.36598	ug/L	2.769951	33.11%
Co 228.616†	-0.6	-0.825645	ug/L	0.9207403	-4.12823	ug/L	4.603701	111.52%
Cr 205.557†	4.3	-0.624363	ug/L	0.3168308	-3.12182	ug/L	1.584154	50.74%
Cu 327.397†	137.8	6.41331	ug/L	0.148045	32.0666	ug/L	0.74023	2.31%
Fe 238.204†	11.8	4.18910	ug/L	0.008731	20.9455	ug/L	0.04366	0.21%
K 766.490	726.6	0.431858	mg/L	0.0091548	2.15929	mg/L	0.045774	2.12%
Li 670.784†	146.5	2.02705	ug/L	0.100632	10.1352	ug/L	0.50316	4.96%
Mg 279.071†	625.7	1.05431	mg/L	0.033941	5.27156	mg/L	0.169705	3.22%
Mn 257.610†	14.3	-0.467444	ug/L	0.0535410	-2.33722	ug/L	0.267705	11.45%
Mo 202.031†	20.3	3.00130	ug/L	1.350644	15.0065	ug/L	6.75322	45.00%
Na 589.592†	35408.0	4.63835	mg/L	0.139976	23.1918	mg/L	0.69988	3.02%
Ni 231.604†	-17.6	-2.42658	ug/L	0.524086	-12.1329	ug/L	2.62043	21.60%
Pb 220.353†	-4.0	-2.35235	ug/L	2.648473	-11.7617	ug/L	13.24237	112.59%
Sb 217.584†	6.0	4.16035	ug/L	3.188764	20.8018	ug/L	15.94382	76.65%
Se 196.026†	0.5	0.497787	ug/L	9.8528646	2.48894	ug/L	49.264323	>999.9%
Si 251.611†	24114.7	2349.79	ug/L	15.721	11749.0	ug/L	78.61	0.67%
Sn 189.927†	1.7	19.0998	ug/L	6.98659	95.4989	ug/L	34.93296	36.58%
Sr 407.771†	46525.2	47.3779	ug/L	1.38414	236.890	ug/L	6.9207	2.92%
Ti 334.940†	7.3	-0.162183	ug/L	0.1153148	-0.810917	ug/L	0.5765742	71.10%
Tl 190.801†	5.2	16.4052	ug/L	11.62879	82.0258	ug/L	58.14395	70.88%
V 292.395†	38.8	1.64828	ug/L	0.228207	8.24142	ug/L	1.141037	13.85%
Zn 206.200†	5.1	-0.732552	ug/L	0.3219979	-3.66276	ug/L	1.609990	43.96%

Sequence No.: 19
Sample ID: 1204205-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 4/13/2012 8:13:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204205-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	369159.2	369159.2	99.5435	%			08:14:18
1	Al 396.153†	-180.9	-173.5	-28.6467	ug/L	-28.6467	ug/L	08:14:23
1	Ba 455.398†	60950.5	60836.3	184.854	ug/L	184.854	ug/L	08:14:18
1	Ca 315.887†	75052.7	75394.0	53.7914	mg/L	53.7914	mg/L	08:14:18
1	Fe 238.204†	35.7	12.8	4.58304	ug/L	4.58304	ug/L	08:14:43
1	K 766.490	4708.2	4927.8	2.98222	mg/L	2.98222	mg/L	08:14:23
1	Li 670.784†	1057.7	1122.5	16.6583	ug/L	16.6583	ug/L	08:14:23
1	Mg 279.071†	4328.6	4303.2	7.39450	mg/L	7.39450	mg/L	08:14:23
1	Na 589.592†	202525.2	203241.5	26.7029	mg/L	26.7029	mg/L	08:14:18
1	Sr 407.771†	344337.4	345288.1	358.379	ug/L	358.379	ug/L	08:14:18
1	Ti 334.940†	-10.5	0.1	-0.488785	ug/L	-0.488785	ug/L	08:14:43
1	Y 360.076	266195.3	266195.3	100.391	%			08:15:19
1	Ag 328.068†	12.4	15.2	-15.3634	ug/L	-15.3634	ug/L	08:15:19
1	As 188.979†	-6.3	9.5	13.1282	ug/L	13.1282	ug/L	08:15:39
1	B 249.677†	997.9	925.0	44.2564	ug/L	44.2564	ug/L	08:15:19
1	Be 234.861†	-501.5	46.4	0.177821	ug/L	0.177821	ug/L	08:15:39
1	Cd 214.437†	263.2	23.9	0.201279	ug/L	0.201279	ug/L	08:15:39
1	Ce 413.764†	1678.4	-46.2	-2.21802	ug/L	-2.21802	ug/L	08:15:19
1	Co 228.616†	-28.0	-3.0	-1.33110	ug/L	-1.33110	ug/L	08:15:39
1	Cr 205.557†	-0.8	3.0	-1.53730	ug/L	-1.53730	ug/L	08:15:39
1	Cu 327.397†	332.0	155.8	6.95206	ug/L	6.95206	ug/L	08:15:19
1	Mn 257.610†	283.2	99.9	0.333817	ug/L	0.333817	ug/L	08:15:39
1	Mo 202.031†	103.7	60.1	10.7943	ug/L	10.7943	ug/L	08:15:39
1	Ni 231.604†	88.4	78.2	6.96780	ug/L	6.96780	ug/L	08:15:39
1	Pb 220.353†	5.8	-12.3	-8.07780	ug/L	-8.07780	ug/L	08:15:39
1	Sb 217.584†	-39.2	-7.5	-7.12562	ug/L	-7.12562	ug/L	08:15:39
1	Se 196.026†	22.3	4.3	5.96902	ug/L	5.96902	ug/L	08:15:39
1	Si 251.611†	147719.0	147064.8	14372.7	ug/L	14372.7	ug/L	08:15:19
1	Sn 189.927†	-17.7	-0.2	17.5298	ug/L	17.5298	ug/L	08:15:39
1	Tl 190.801†	-1.2	9.2	23.4506	ug/L	23.4506	ug/L	08:15:39
1	V 292.395†	-348.6	151.6	4.64648	ug/L	4.64648	ug/L	08:15:19
1	Zn 206.200†	98.4	106.9	20.6322	ug/L	20.6322	ug/L	08:15:39
2	Sc 357.234	382171.4	382171.4	103.052	%			08:14:48
2	Al 396.153†	-216.3	-201.6	-35.8750	ug/L	-35.8750	ug/L	08:14:53
2	Ba 455.398†	59872.4	57705.3	175.323	ug/L	175.323	ug/L	08:14:48
2	Ca 315.887†	73934.1	71741.4	51.1848	mg/L	51.1848	mg/L	08:14:48
2	Fe 238.204†	37.0	12.8	4.58112	ug/L	4.58112	ug/L	08:15:13
2	K 766.490	4729.2	4948.8	2.99497	mg/L	2.99497	mg/L	08:14:53
2	Li 670.784†	1080.2	1108.1	16.4423	ug/L	16.4423	ug/L	08:14:53
2	Mg 279.071†	4313.0	4140.0	7.11310	mg/L	7.11310	mg/L	08:14:53
2	Na 589.592†	199431.1	193311.8	25.3975	mg/L	25.3975	mg/L	08:14:48
2	Sr 407.771†	338789.9	328127.1	340.512	ug/L	340.512	ug/L	08:14:48
2	Ti 334.940†	-11.3	-0.3	-0.507000	ug/L	-0.507000	ug/L	08:15:13
2	Y 360.076	267306.0	267306.0	100.810	%			08:15:44
2	Ag 328.068†	20.6	23.3	-15.2057	ug/L	-15.2057	ug/L	08:15:44
2	As 188.979†	-8.1	7.7	9.52974	ug/L	9.52974	ug/L	08:16:04
2	B 249.677†	1033.2	955.9	45.8106	ug/L	45.8106	ug/L	08:15:44
2	Be 234.861†	-505.3	44.7	0.167474	ug/L	0.167474	ug/L	08:16:04
2	Cd 214.437†	251.1	10.8	-0.709700	ug/L	-0.709700	ug/L	08:16:04
2	Ce 413.764†	1707.9	-23.8	-1.54930	ug/L	-1.54930	ug/L	08:15:44
2	Co 228.616†	-18.6	6.5	0.643571	ug/L	0.643571	ug/L	08:16:04
2	Cr 205.557†	2.9	6.7	-0.928852	ug/L	-0.928852	ug/L	08:16:04
2	Cu 327.397†	351.2	173.5	7.48051	ug/L	7.48051	ug/L	08:15:44
2	Mn 257.610†	285.6	101.1	0.345494	ug/L	0.345494	ug/L	08:16:04
2	Mo 202.031†	107.5	63.4	11.4422	ug/L	11.4422	ug/L	08:16:04
2	Ni 231.604†	96.0	85.5	7.67762	ug/L	7.67762	ug/L	08:16:04
2	Pb 220.353†	19.4	1.1	1.26212	ug/L	1.26212	ug/L	08:16:04
2	Sb 217.584†	-38.8	-6.9	-6.63916	ug/L	-6.63916	ug/L	08:16:04
2	Se 196.026†	32.9	14.7	20.8042	ug/L	20.8042	ug/L	08:16:04
2	Si 251.611†	146999.2	145739.4	14243.1	ug/L	14243.1	ug/L	08:15:44
2	Sn 189.927†	-24.1	-6.5	12.4951	ug/L	12.4951	ug/L	08:16:04
2	Tl 190.801†	-2.5	7.9	21.1787	ug/L	21.1787	ug/L	08:16:04
2	V 292.395†	-314.2	187.2	5.55925	ug/L	5.55925	ug/L	08:15:44
2	Zn 206.200†	93.1	101.2	19.4413	ug/L	19.4413	ug/L	08:16:04

Mean Data: 1204205-01

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	375665.3	101.298	%	2.4811				2.45%
Y 360.076	266750.6	100.601	%	0.2962				0.29%
Ag 328.068†	19.2	-15.2845	ug/L	0.11154	-15.2845	ug/L	0.11154	0.73%
Al 396.153†	-187.5	-32.2608	ug/L	5.11112	-32.2608	ug/L	5.11112	15.84%
As 188.979†	8.6	11.3290	ug/L	2.54450	11.3290	ug/L	2.54450	22.46%
B 249.677†	940.5	45.0335	ug/L	1.09893	45.0335	ug/L	1.09893	2.44%
Ba 455.398†	59270.8	180.089	ug/L	6.7390	180.089	ug/L	6.7390	3.74%
Be 234.861†	45.6	0.172647	ug/L	0.0073165	0.172647	ug/L	0.0073165	4.24%
Ca 315.887†	73567.7	52.4881	mg/L	1.84321	52.4881	mg/L	1.84321	3.51%
Cd 214.437†	17.4	-0.254210	ug/L	0.6441596	-0.254210	ug/L	0.6441596	253.40%
Ce 413.764†	-35.0	-1.88366	ug/L	0.472852	-1.88366	ug/L	0.472852	25.10%
Co 228.616†	1.8	-0.343766	ug/L	1.3963050	-0.343766	ug/L	1.3963050	406.18%
Cr 205.557†	4.9	-1.23308	ug/L	0.430237	-1.23308	ug/L	0.430237	34.89%
Cu 327.397†	164.6	7.21628	ug/L	0.373674	7.21628	ug/L	0.373674	5.18%
Fe 238.204†	12.8	4.58208	ug/L	0.001358	4.58208	ug/L	0.001358	0.03%
K 766.490	4938.3	2.98860	mg/L	0.009014	2.98860	mg/L	0.009014	0.30%
Li 670.784†	1115.3	16.5503	ug/L	0.15272	16.5503	ug/L	0.15272	0.92%
Mg 279.071†	4221.6	7.25380	mg/L	0.198982	7.25380	mg/L	0.198982	2.74%
Mn 257.610†	100.5	0.339656	ug/L	0.0082565	0.339656	ug/L	0.0082565	2.43%
Mo 202.031†	61.8	11.1183	ug/L	0.45815	11.1183	ug/L	0.45815	4.12%
Na 589.592†	198276.6	26.0502	mg/L	0.92307	26.0502	mg/L	0.92307	3.54%
Ni 231.604†	81.8	7.32271	ug/L	0.501919	7.32271	ug/L	0.501919	6.85%
Pb 220.353†	-5.6	-3.40784	ug/L	6.604323	-3.40784	ug/L	6.604323	193.80%
Sb 217.584†	-7.2	-6.88239	ug/L	0.343981	-6.88239	ug/L	0.343981	5.00%
Se 196.026†	9.5	13.3866	ug/L	10.49007	13.3866	ug/L	10.49007	78.36%
Si 251.611†	146402.1	14307.9	ug/L	91.65	14307.9	ug/L	91.65	0.64%
Sn 189.927†	-3.3	15.0125	ug/L	3.56004	15.0125	ug/L	3.56004	23.71%
Sr 407.771†	336707.6	349.446	ug/L	12.6340	349.446	ug/L	12.6340	3.62%
Ti 334.940†	-0.1	-0.497892	ug/L	0.0128798	-0.497892	ug/L	0.0128798	2.59%
Tl 190.801†	8.6	22.3146	ug/L	1.60645	22.3146	ug/L	1.60645	7.20%
V 292.395†	169.4	5.10286	ug/L	0.645424	5.10286	ug/L	0.645424	12.65%
Zn 206.200†	104.0	20.0368	ug/L	0.84212	20.0368	ug/L	0.84212	4.20%

Sequence No.: 20
Sample ID: 1204205-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 22
Date Collected: 4/13/2012 8:17:17 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204205-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	367503.8	367503.8	99.0971	%			08:18:23
1	Al 396.153†	-147.3	-140.4	-28.0021	ug/L	-28.0021	ug/L	08:18:23
1	Ba 455.398†	44922.9	44938.4	136.461	ug/L	136.461	ug/L	08:18:23
1	Ca 315.887†	54624.4	55119.1	39.3222	mg/L	39.3222	mg/L	08:18:23
1	Fe 238.204†	35.4	12.7	4.52682	ug/L	4.52682	ug/L	08:18:43
1	K 766.490	3544.6	3764.1	2.27579	mg/L	2.27579	mg/L	08:18:23
1	Li 670.784†	889.2	957.2	14.1811	ug/L	14.1811	ug/L	08:18:23
1	Mg 279.071†	3235.8	3220.0	5.52708	mg/L	5.52708	mg/L	08:18:43
1	Na 589.592†	176349.2	177743.4	23.3507	mg/L	23.3507	mg/L	08:18:23
1	Sr 407.771†	254252.2	255940.3	265.442	ug/L	265.442	ug/L	08:18:23
1	Ti 334.940†	-12.6	-2.1	-0.590019	ug/L	-0.590019	ug/L	08:18:43
1	Y 360.076	263701.1	263701.1	99.4506	%			08:19:14
1	Ag 328.068†	3.9	6.7	-15.5284	ug/L	-15.5284	ug/L	08:19:14
1	As 188.979†	-4.8	10.9	16.0604	ug/L	16.0604	ug/L	08:19:34
1	B 249.677†	1022.9	959.6	46.0023	ug/L	46.0023	ug/L	08:19:34
1	Be 234.861†	-517.7	25.4	0.0464446	ug/L	0.0464446	ug/L	08:19:34
1	Cd 214.437†	249.1	12.2	-0.613926	ug/L	-0.613926	ug/L	08:19:34
1	Ce 413.764†	1674.1	-34.7	-1.64722	ug/L	-1.64722	ug/L	08:19:14
1	Co 228.616†	-24.4	0.4	-0.625992	ug/L	-0.625992	ug/L	08:19:34
1	Cr 205.557†	7.0	10.9	-0.0982593	ug/L	-0.0982593	ug/L	08:19:34
1	Cu 327.397†	303.0	129.7	6.17364	ug/L	6.17364	ug/L	08:19:14
1	Mn 257.610†	294.0	113.4	0.460438	ug/L	0.460438	ug/L	08:19:34
1	Mo 202.031†	95.9	53.2	9.44481	ug/L	9.44481	ug/L	08:19:34
1	Ni 231.604†	100.9	91.7	8.28213	ug/L	8.28213	ug/L	08:19:34

1	Pb 220.353†	13.9	-4.2	-2.41779 ug/L	-2.41779 ug/L	08:19:34
1	Sb 217.584†	-32.0	-0.7	-1.41553 ug/L	-1.41553 ug/L	08:19:34
1	Se 196.026†	34.2	16.5	23.3161 ug/L	23.3161 ug/L	08:19:34
1	Si 251.611†	145389.1	146113.7	14279.8 ug/L	14279.8 ug/L	08:19:14
1	Sn 189.927†	-28.2	-10.9	8.92553 ug/L	8.92553 ug/L	08:19:34
1	Tl 190.801†	-5.1	5.3	16.5816 ug/L	16.5816 ug/L	08:19:34
1	V 292.395†	-329.1	167.9	5.03377 ug/L	5.03377 ug/L	08:19:14
1	Zn 206.200†	71.9	81.1	15.2338 ug/L	15.2338 ug/L	08:19:34
2	Sc 357.234	381428.7	381428.7	102.852 %		08:18:48
2	Al 396.153†	-147.9	-135.6	-27.6739 ug/L	-27.6739 ug/L	08:18:48
2	Ba 455.398†	44325.7	42702.9	129.656 ug/L	129.656 ug/L	08:18:48
2	Ca 315.887†	54358.6	52848.3	37.7017 mg/L	37.7017 mg/L	08:18:48
2	Fe 238.204†	35.3	11.3	3.99017 ug/L	3.99017 ug/L	08:19:08
2	K 766.490	3450.3	3669.8	2.21858 mg/L	2.21858 mg/L	08:18:48
2	Li 670.784†	783.1	821.3	12.1428 ug/L	12.1428 ug/L	08:18:48
2	Mg 279.071†	3217.6	3083.1	5.29095 mg/L	5.29095 mg/L	08:19:08
2	Na 589.592†	174391.4	169343.2	22.2464 mg/L	22.2464 mg/L	08:18:48
2	Sr 407.771†	251661.3	244054.7	253.050 ug/L	253.050 ug/L	08:18:48
2	Ti 334.940†	-9.7	1.2	-0.439527 ug/L	-0.439527 ug/L	08:19:08
2	Y 360.076	266438.9	266438.9	100.483 %		08:19:39
2	Ag 328.068†	34.5	37.2	-14.9348 ug/L	-14.9348 ug/L	08:19:39
2	As 188.979†	-6.6	9.1	12.4088 ug/L	12.4088 ug/L	08:19:59
2	B 249.677†	1012.3	938.4	44.9336 ug/L	44.9336 ug/L	08:19:59
2	Be 234.861†	-509.3	39.1	0.131897 ug/L	0.131897 ug/L	08:19:59
2	Cd 214.437†	250.9	11.4	-0.666148 ug/L	-0.666148 ug/L	08:19:59
2	Ce 413.764†	1658.6	-67.3	-2.53138 ug/L	-2.53138 ug/L	08:19:39
2	Co 228.616†	-27.9	-2.9	-1.30950 ug/L	-1.30950 ug/L	08:19:59
2	Cr 205.557†	4.5	8.3	-0.466922 ug/L	-0.466922 ug/L	08:19:59
2	Cu 327.397†	304.9	128.5	6.13742 ug/L	6.13742 ug/L	08:19:39
2	Mn 257.610†	290.4	106.9	0.399085 ug/L	0.399085 ug/L	08:19:59
2	Mo 202.031†	87.1	43.4	7.53119 ug/L	7.53119 ug/L	08:19:59
2	Ni 231.604†	103.4	93.1	8.42097 ug/L	8.42097 ug/L	08:19:59
2	Pb 220.353†	14.2	-4.0	-2.31366 ug/L	-2.31366 ug/L	08:19:59
2	Sb 217.584†	-36.3	-4.6	-4.70577 ug/L	-4.70577 ug/L	08:19:59
2	Se 196.026†	35.1	17.0	24.0485 ug/L	24.0485 ug/L	08:19:59
2	Si 251.611†	146226.6	145445.1	14214.4 ug/L	14214.4 ug/L	08:19:39
2	Sn 189.927†	-17.4	0.1	17.8080 ug/L	17.8080 ug/L	08:19:59
2	Tl 190.801†	-3.0	7.4	20.2585 ug/L	20.2585 ug/L	08:19:59
2	V 292.395†	-298.9	201.4	5.84303 ug/L	5.84303 ug/L	08:19:39
2	Zn 206.200†	89.8	98.2	18.8083 ug/L	18.8083 ug/L	08:19:59

Mean Data: 1204205-02

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	374466.2	100.975	%	2.6551				2.63%
Y 360.076	265070.0	99.9669	%	0.73008				0.73%
Ag 328.068†	21.9	-15.2316	ug/L	0.41978	-15.2316	ug/L	0.41978	2.76%
Al 396.153†	-138.0	-27.8380	ug/L	0.23208	-27.8380	ug/L	0.23208	0.83%
As 188.979†	10.0	14.2346	ug/L	2.58208	14.2346	ug/L	2.58208	18.14%
B 249.677†	949.0	45.4680	ug/L	0.75571	45.4680	ug/L	0.75571	1.66%
Ba 455.398†	43820.6	133.058	ug/L	4.8118	133.058	ug/L	4.8118	3.62%
Be 234.861†	32.2	0.0891708	ug/L	0.06042403	0.0891708	ug/L	0.06042403	67.76%
Ca 315.887†	53983.7	38.5119	mg/L	1.14589	38.5119	mg/L	1.14589	2.98%
Cd 214.437†	11.8	-0.640037	ug/L	0.0369266	-0.640037	ug/L	0.0369266	5.77%
Ce 413.764†	-51.0	-2.08930	ug/L	0.625194	-2.08930	ug/L	0.625194	29.92%
Co 228.616†	-1.2	-0.967744	ug/L	0.4833096	-0.967744	ug/L	0.4833096	49.94%
Cr 205.557†	9.6	-0.282591	ug/L	0.2606842	-0.282591	ug/L	0.2606842	92.25%
Cu 327.397†	129.1	6.15553	ug/L	0.025611	6.15553	ug/L	0.025611	0.42%
Fe 238.204†	12.0	4.25849	ug/L	0.379466	4.25849	ug/L	0.379466	8.91%
K 766.490	3717.0	2.24718	mg/L	0.040448	2.24718	mg/L	0.040448	1.80%
Li 670.784†	889.2	13.1620	ug/L	1.44133	13.1620	ug/L	1.44133	10.95%
Mg 279.071†	3151.6	5.40901	mg/L	0.166971	5.40901	mg/L	0.166971	3.09%
Mn 257.610†	110.1	0.429761	ug/L	0.0433829	0.429761	ug/L	0.0433829	10.09%
Mo 202.031†	48.3	8.48800	ug/L	1.353135	8.48800	ug/L	1.353135	15.94%
Na 589.592†	173543.3	22.7986	mg/L	0.78089	22.7986	mg/L	0.78089	3.43%
Ni 231.604†	92.4	8.35155	ug/L	0.098176	8.35155	ug/L	0.098176	1.18%
Pb 220.353†	-4.1	-2.36573	ug/L	0.073636	-2.36573	ug/L	0.073636	3.11%
Sb 217.584†	-2.6	-3.06065	ug/L	2.326551	-3.06065	ug/L	2.326551	76.02%
Se 196.026†	16.8	23.6823	ug/L	0.51791	23.6823	ug/L	0.51791	2.19%
Si 251.611†	145779.4	14247.1	ug/L	46.23	14247.1	ug/L	46.23	0.32%

Sn 189.927†	-5.4	13.3668 ug/L	6.28087	13.3668 ug/L	6.28087	46.99%
Sr 407.771†	249997.5	259.246 ug/L	8.7629	259.246 ug/L	8.7629	3.38%
Ti 334.940†	-0.4	-0.514773 ug/L	0.1064134	-0.514773 ug/L	0.1064134	20.67%
Tl 190.801†	6.4	18.4200 ug/L	2.59997	18.4200 ug/L	2.59997	14.11%
V 292.395†	184.6	5.43840 ug/L	0.572235	5.43840 ug/L	0.572235	10.52%
Zn 206.200†	89.7	17.0211 ug/L	2.52753	17.0211 ug/L	2.52753	14.85%

Sequence No.: 21
Sample ID: 2D13001-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 4/13/2012 8:21:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D13001-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	364019.2	364019.2	98.1575	%			08:22:22
1	Al 396.153†	11455.1	11678.4	2494.45	ug/L	2494.45	ug/L	08:22:22
1	Ba 455.398†	160873.0	163499.0	497.357	ug/L	497.357	ug/L	08:22:22
1	Ca 315.887†	6784.3	6908.7	4.91674	mg/L	4.91674	mg/L	08:22:42
1	Fe 238.204†	1289.9	1291.0	495.291	ug/L	495.291	ug/L	08:22:42
1	K 766.490	8010.2	8229.7	4.98673	mg/L	4.98673	mg/L	08:22:22
1	Li 670.784†	32683.5	33356.9	499.884	ug/L	499.884	ug/L	08:22:22
1	Mg 279.071†	2894.4	2903.5	4.98129	mg/L	4.98129	mg/L	08:22:42
1	Na 589.592†	37672.7	38167.3	5.00111	mg/L	5.00111	mg/L	08:22:22
1	Sr 407.771†	463356.6	471425.9	496.345	ug/L	496.345	ug/L	08:22:22
1	Ti 334.940†	10680.4	10891.6	494.345	ug/L	494.345	ug/L	08:22:42
1	Y 360.076	265027.1	265027.1	99.9507	%			08:23:14
1	Ag 328.068†	27478.9	27495.3	520.787	ug/L	520.787	ug/L	08:23:14
1	As 188.979†	1195.9	1212.2	2453.07	ug/L	2453.07	ug/L	08:23:34
1	B 249.677†	9615.8	9551.6	478.162	ug/L	478.162	ug/L	08:23:14
1	Be 234.861†	7335.2	7884.7	48.9754	ug/L	48.9754	ug/L	08:23:34
1	Cd 214.437†	7347.3	7112.6	492.205	ug/L	492.205	ug/L	08:23:34
1	Ce 413.764†	1688.0	-29.2	-0.935914	ug/L	-0.935914	ug/L	08:23:14
1	Co 228.616†	2346.5	2372.5	493.179	ug/L	493.179	ug/L	08:23:34
1	Cr 205.557†	3156.2	3161.6	492.397	ug/L	492.397	ug/L	08:23:34
1	Cu 327.397†	16310.0	16143.0	485.287	ug/L	485.287	ug/L	08:23:14
1	Mn 257.610†	52298.8	52142.5	487.781	ug/L	487.781	ug/L	08:23:14
1	Mo 202.031†	2537.4	2495.4	487.692	ug/L	487.692	ug/L	08:23:34
1	Ni 231.604†	5060.2	5052.8	494.278	ug/L	494.278	ug/L	08:23:34
1	Pb 220.353†	717.5	699.7	487.299	ug/L	487.299	ug/L	08:23:34
1	Sb 217.584†	2901.0	2933.9	2459.54	ug/L	2459.54	ug/L	08:23:34
1	Se 196.026†	1738.1	1721.1	2443.45	ug/L	2443.45	ug/L	08:23:34
1	Si 251.611†	25165.0	25098.9	2427.64	ug/L	2427.64	ug/L	08:23:14
1	Sn 189.927†	2974.5	2993.4	2432.45	ug/L	2432.45	ug/L	08:23:34
1	Tl 190.801†	1363.5	1374.6	2455.69	ug/L	2455.69	ug/L	08:23:34
1	V 292.395†	18683.8	19191.9	494.466	ug/L	494.466	ug/L	08:23:14
1	Zn 206.200†	2338.6	2348.6	490.883	ug/L	490.883	ug/L	08:23:34
2	Sc 357.234	372183.4	372183.4	100.359	%			08:22:48
2	Al 396.153†	11269.6	11237.6	2399.50	ug/L	2399.50	ug/L	08:22:48
2	Ba 455.398†	157763.1	156805.0	476.981	ug/L	476.981	ug/L	08:22:48
2	Ca 315.887†	6739.5	6712.5	4.77668	mg/L	4.77668	mg/L	08:23:08
2	Fe 238.204†	1276.3	1248.7	479.057	ug/L	479.057	ug/L	08:23:08
2	K 766.490	7796.3	8015.8	4.85688	mg/L	4.85688	mg/L	08:22:48
2	Li 670.784†	31992.3	31937.8	478.610	ug/L	478.610	ug/L	08:22:48
2	Mg 279.071†	2866.1	2810.6	4.82119	mg/L	4.82119	mg/L	08:23:08
2	Na 589.592†	36876.9	36532.5	4.78618	mg/L	4.78618	mg/L	08:22:48
2	Sr 407.771†	454630.5	452376.0	476.242	ug/L	476.242	ug/L	08:22:48
2	Ti 334.940†	10621.8	10594.5	480.849	ug/L	480.849	ug/L	08:23:08
2	Y 360.076	266054.7	266054.7	100.338	%			08:23:39
2	Ag 328.068†	27368.8	27279.4	516.568	ug/L	516.568	ug/L	08:23:39
2	As 188.979†	1181.0	1192.7	2413.46	ug/L	2413.46	ug/L	08:23:59
2	B 249.677†	9664.9	9563.3	478.789	ug/L	478.789	ug/L	08:23:39
2	Be 234.861†	7263.9	7785.3	48.3601	ug/L	48.3601	ug/L	08:23:59
2	Cd 214.437†	7279.0	7016.2	485.515	ug/L	485.515	ug/L	08:23:59
2	Ce 413.764†	1642.1	-81.4	-2.39157	ug/L	-2.39157	ug/L	08:23:39
2	Co 228.616†	2315.5	2332.6	484.884	ug/L	484.884	ug/L	08:23:59
2	Cr 205.557†	3117.4	3110.7	484.460	ug/L	484.460	ug/L	08:23:59
2	Cu 327.397†	16333.9	16103.9	484.101	ug/L	484.101	ug/L	08:23:39

2	Mn 257.610†	52469.0	52109.9	487.476 ug/L	487.476 ug/L	08:23:39
2	Mo 202.031†	2531.8	2480.1	484.687 ug/L	484.687 ug/L	08:23:59
2	Ni 231.604†	5008.0	4981.3	487.278 ug/L	487.278 ug/L	08:23:59
2	Pb 220.353†	723.1	702.5	489.206 ug/L	489.206 ug/L	08:23:59
2	Sb 217.584†	2873.0	2894.9	2426.75 ug/L	2426.75 ug/L	08:23:59
2	Se 196.026†	1733.7	1710.0	2427.73 ug/L	2427.73 ug/L	08:23:59
2	Si 251.611†	25184.1	25020.7	2420.43 ug/L	2420.43 ug/L	08:23:39
2	Sn 189.927†	2949.9	2957.4	2403.42 ug/L	2403.42 ug/L	08:23:59
2	Tl 190.801†	1334.7	1340.6	2395.24 ug/L	2395.24 ug/L	08:23:59
2	V 292.395†	18730.1	19165.8	493.764 ug/L	493.764 ug/L	08:23:39
2	Zn 206.200†	2304.7	2305.8	481.896 ug/L	481.896 ug/L	08:23:59

Mean Data: 2D13001-CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	368101.3	99.2582	%	1.55668				1.57%
Y 360.076	265540.9	100.144	%	0.2740				0.27%
Ag 328.068†	27387.3	518.678	ug/L	2.9827	518.678	ug/L	2.9827	0.58%
QC value within limits for Ag 328.068 Recovery = 103.74%								
Al 396.153†	11458.0	2446.98	ug/L	67.142	2446.98	ug/L	67.142	2.74%
QC value within limits for Al 396.153 Recovery = 97.88%								
As 188.979†	1202.5	2433.27	ug/L	28.006	2433.27	ug/L	28.006	1.15%
QC value within limits for As 188.979 Recovery = 97.33%								
B 249.677†	9557.4	478.475	ug/L	0.4429	478.475	ug/L	0.4429	0.09%
QC value within limits for B 249.677 Recovery = 95.70%								
Ba 455.398†	160152.0	487.169	ug/L	14.4083	487.169	ug/L	14.4083	2.96%
QC value within limits for Ba 455.398 Recovery = 97.43%								
Be 234.861†	7835.0	48.6678	ug/L	0.43507	48.6678	ug/L	0.43507	0.89%
QC value within limits for Be 234.861 Recovery = 97.34%								
Ca 315.887†	6810.6	4.84671	mg/L	0.099041	4.84671	mg/L	0.099041	2.04%
QC value within limits for Ca 315.887 Recovery = 96.93%								
Cd 214.437†	7064.4	488.860	ug/L	4.7303	488.860	ug/L	4.7303	0.97%
QC value within limits for Cd 214.437 Recovery = 97.77%								
Ce 413.764†	-55.3	-1.66374	ug/L	1.029301	-1.66374	ug/L	1.029301	61.87%
Co 228.616†	2352.5	489.032	ug/L	5.8657	489.032	ug/L	5.8657	1.20%
QC value within limits for Co 228.616 Recovery = 97.81%								
Cr 205.557†	3136.2	488.428	ug/L	5.6120	488.428	ug/L	5.6120	1.15%
QC value within limits for Cr 205.557 Recovery = 97.69%								
Cu 327.397†	16123.5	484.694	ug/L	0.8382	484.694	ug/L	0.8382	0.17%
QC value within limits for Cu 327.397 Recovery = 96.94%								
Fe 238.204†	1269.9	487.174	ug/L	11.4795	487.174	ug/L	11.4795	2.36%
QC value within limits for Fe 238.204 Recovery = 97.43%								
K 766.490	8122.8	4.92180	mg/L	0.091815	4.92180	mg/L	0.091815	1.87%
QC value within limits for K 766.490 Recovery = 98.44%								
Li 670.784†	32647.3	489.247	ug/L	15.0433	489.247	ug/L	15.0433	3.07%
QC value within limits for Li 670.784 Recovery = 97.85%								
Mg 279.071†	2857.0	4.90124	mg/L	0.113205	4.90124	mg/L	0.113205	2.31%
QC value within limits for Mg 279.071 Recovery = 98.02%								
Mn 257.610†	52126.2	487.629	ug/L	0.2154	487.629	ug/L	0.2154	0.04%
QC value within limits for Mn 257.610 Recovery = 97.53%								
Mo 202.031†	2487.8	486.190	ug/L	2.1246	486.190	ug/L	2.1246	0.44%
QC value within limits for Mo 202.031 Recovery = 97.24%								
Na 589.592†	37349.9	4.89364	mg/L	0.151974	4.89364	mg/L	0.151974	3.11%
QC value within limits for Na 589.592 Recovery = 97.87%								
Ni 231.604†	5017.1	490.778	ug/L	4.9498	490.778	ug/L	4.9498	1.01%
QC value within limits for Ni 231.604 Recovery = 98.16%								
Pb 220.353†	701.1	488.252	ug/L	1.3483	488.252	ug/L	1.3483	0.28%
QC value within limits for Pb 220.353 Recovery = 97.65%								
Sb 217.584†	2914.4	2443.15	ug/L	23.183	2443.15	ug/L	23.183	0.95%
QC value within limits for Sb 217.584 Recovery = 97.73%								
Se 196.026†	1715.5	2435.59	ug/L	11.119	2435.59	ug/L	11.119	0.46%
QC value within limits for Se 196.026 Recovery = 97.42%								
Si 251.611†	25059.8	2424.04	ug/L	5.098	2424.04	ug/L	5.098	0.21%
QC value within limits for Si 251.611 Recovery = 96.96%								
Sn 189.927†	2975.4	2417.94	ug/L	20.524	2417.94	ug/L	20.524	0.85%
QC value within limits for Sn 189.927 Recovery = 96.72%								
Sr 407.771†	461900.9	486.293	ug/L	14.2145	486.293	ug/L	14.2145	2.92%
QC value within limits for Sr 407.771 Recovery = 97.26%								
Ti 334.940†	10743.0	487.597	ug/L	9.5435	487.597	ug/L	9.5435	1.96%
QC value within limits for Ti 334.940 Recovery = 97.52%								

Tl 190.801†	1357.6	2425.46 ug/L	42.743	2425.46 ug/L	42.743	1.76%
QC value within limits for Tl 190.801 Recovery = 97.02%						
V 292.395†	19178.8	494.115 ug/L	0.4963	494.115 ug/L	0.4963	0.10%
QC value within limits for V 292.395 Recovery = 98.82%						
Zn 206.200†	2327.2	486.390 ug/L	6.3548	486.390 ug/L	6.3548	1.31%
QC value within limits for Zn 206.200 Recovery = 97.28%						

All analyte(s) passed QC.

Sequence No.: 22
Sample ID: 2D13001-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 4/13/2012 8:25:15 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D13001-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	361166.4	361166.4	97.3882	%			08:26:20
1	Al 396.153†	-3.7	4.5	-14.3823	ug/L	-14.3823	ug/L	08:26:40
1	Ba 455.398†	401.5	18.5	-0.274347	ug/L	-0.274347	ug/L	08:26:20
1	Ca 315.887†	9.9	7.3	-0.0085192	mg/L	-0.0085192	mg/L	08:26:40
1	Fe 238.204†	22.0	-0.5	-0.514878	ug/L	-0.514878	ug/L	08:26:40
1	K 766.490	-206.6	12.9	-0.0014203	mg/L	-0.0014203	mg/L	08:26:20
1	Li 670.784†	-90.4	-32.9	-0.662201	ug/L	-0.662201	ug/L	08:26:20
1	Mg 279.071†	48.6	4.7	-0.0163890	mg/L	-0.0163890	mg/L	08:26:40
1	Na 589.592†	251.6	45.8	-0.0106058	mg/L	-0.0106058	mg/L	08:26:20
1	Sr 407.771†	660.0	49.2	-0.932837	ug/L	-0.932837	ug/L	08:26:20
1	Ti 334.940†	-1.5	9.1	-0.0810416	ug/L	-0.0810416	ug/L	08:26:40
1	Y 360.076	261957.9	261957.9	98.7932	%			08:27:12
1	Ag 328.068†	35.2	38.4	-14.9136	ug/L	-14.9136	ug/L	08:27:32
1	As 188.979†	-20.8	-5.3	-16.8649	ug/L	-16.8649	ug/L	08:27:32
1	B 249.677†	183.7	117.0	3.43360	ug/L	3.43360	ug/L	08:27:32
1	Be 234.861†	-532.1	7.4	-0.0653821	ug/L	-0.0653821	ug/L	08:27:32
1	Cd 214.437†	237.6	2.2	-1.30461	ug/L	-1.30461	ug/L	08:27:32
1	Ce 413.764†	1660.8	-36.9	-1.02998	ug/L	-1.02998	ug/L	08:27:12
1	Co 228.616†	-24.5	0.1	-0.690911	ug/L	-0.690911	ug/L	08:27:32
1	Cr 205.557†	-9.8	-6.1	-2.13829	ug/L	-2.13829	ug/L	08:27:32
1	Cu 327.397†	257.9	86.1	4.87084	ug/L	4.87084	ug/L	08:27:12
1	Mn 257.610†	179.2	-0.8	-0.608930	ug/L	-0.608930	ug/L	08:27:32
1	Mo 202.031†	48.1	5.5	0.0955612	ug/L	0.0955612	ug/L	08:27:32
1	Ni 231.604†	14.0	4.4	-0.279638	ug/L	-0.279638	ug/L	08:27:32
1	Pb 220.353†	16.7	-1.3	-0.443839	ug/L	-0.443839	ug/L	08:27:32
1	Sb 217.584†	-26.0	5.2	3.48043	ug/L	3.48043	ug/L	08:27:32
1	Se 196.026†	7.8	-10.0	-14.3350	ug/L	-14.3350	ug/L	08:27:32
1	Si 251.611†	158.1	81.5	-0.341543	ug/L	-0.341543	ug/L	08:27:32
1	Sn 189.927†	-14.0	3.3	20.3661	ug/L	20.3661	ug/L	08:27:32
1	Tl 190.801†	-6.9	3.4	13.1401	ug/L	13.1401	ug/L	08:27:32
1	V 292.395†	-485.2	7.7	0.806677	ug/L	0.806677	ug/L	08:27:12
1	Zn 206.200†	-7.3	1.4	-1.49605	ug/L	-1.49605	ug/L	08:27:32
2	Sc 357.234	374362.9	374362.9	100.947	%			08:26:45
2	Al 396.153†	0.2	8.5	-13.5060	ug/L	-13.5060	ug/L	08:27:05
2	Ba 455.398†	374.7	-22.6	-0.399156	ug/L	-0.399156	ug/L	08:26:45
2	Ca 315.887†	8.0	5.0	-0.0101498	mg/L	-0.0101498	mg/L	08:27:05
2	Fe 238.204†	31.1	7.8	2.64899	ug/L	2.64899	ug/L	08:27:05
2	K 766.490	-222.5	-3.0	-0.0110845	mg/L	-0.0110845	mg/L	08:26:45
2	Li 670.784†	-85.2	-24.5	-0.535632	ug/L	-0.535632	ug/L	08:26:45
2	Mg 279.071†	46.1	0.4	-0.0238221	mg/L	-0.0238221	mg/L	08:27:05
2	Na 589.592†	216.3	1.7	-0.0164083	mg/L	-0.0164083	mg/L	08:26:45
2	Sr 407.771†	639.1	4.6	-0.979766	ug/L	-0.979766	ug/L	08:26:45
2	Ti 334.940†	1.6	12.2	0.0598572	ug/L	0.0598572	ug/L	08:27:05
2	Y 360.076	264594.9	264594.9	99.7877	%			08:27:37
2	Ag 328.068†	6.1	8.9	-15.4880	ug/L	-15.4880	ug/L	08:27:57
2	As 188.979†	-17.9	-2.3	-10.6738	ug/L	-10.6738	ug/L	08:27:57
2	B 249.677†	169.5	100.9	2.62418	ug/L	2.62418	ug/L	08:27:57
2	Be 234.861†	-536.7	8.1	-0.0619989	ug/L	-0.0619989	ug/L	08:27:57
2	Cd 214.437†	238.1	0.3	-1.43571	ug/L	-1.43571	ug/L	08:27:57
2	Ce 413.764†	1695.4	-18.9	-0.528852	ug/L	-0.528852	ug/L	08:27:37
2	Co 228.616†	-29.6	-4.8	-1.70192	ug/L	-1.70192	ug/L	08:27:57
2	Cr 205.557†	-10.3	-6.4	-2.18776	ug/L	-2.18776	ug/L	08:27:57

2	Cu 327.397†	273.8	99.4	5.26774 ug/L	5.26774 ug/L	08:27:37
2	Mn 257.610†	187.4	5.6	-0.548966 ug/L	-0.548966 ug/L	08:27:57
2	Mo 202.031†	43.2	0.1	-0.953856 ug/L	-0.953856 ug/L	08:27:57
2	Ni 231.604†	4.6	-5.2	-1.21795 ug/L	-1.21795 ug/L	08:27:57
2	Pb 220.353†	17.9	-0.2	0.260612 ug/L	0.260612 ug/L	08:27:57
2	Sb 217.584†	-27.3	4.2	2.63178 ug/L	2.63178 ug/L	08:27:57
2	Se 196.026†	15.1	-2.7	-4.02891 ug/L	-4.02891 ug/L	08:27:57
2	Si 251.611†	149.0	70.8	-1.37915 ug/L	-1.37915 ug/L	08:27:57
2	Sn 189.927†	-16.1	1.3	18.7344 ug/L	18.7344 ug/L	08:27:57
2	Tl 190.801†	-5.9	4.5	15.0224 ug/L	15.0224 ug/L	08:27:57
2	V 292.395†	-486.5	11.3	0.878940 ug/L	0.878940 ug/L	08:27:37
2	Zn 206.200†	-15.1	-6.3	-3.11518 ug/L	-3.11518 ug/L	08:27:57

Mean Data: 2D13001-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	367764.6	99.1674	%	2.51620				2.54%
Y 360.076	263276.4	99.2904	%	0.70324				0.71%
Ag 328.068†	23.7	-15.2008	ug/L	0.40614	-15.2008	ug/L	0.40614	2.67%
QC value less than the lower limit for Ag 328.068 Recovery = Not calculated								
Al 396.153†	6.5	-13.9441	ug/L	0.61959	-13.9441	ug/L	0.61959	4.44%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	-3.8	-13.7694	ug/L	4.37778	-13.7694	ug/L	4.37778	31.79%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	108.9	3.02889	ug/L	0.572347	3.02889	ug/L	0.572347	18.90%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	-2.1	-0.336752	ug/L	0.0882531	-0.336752	ug/L	0.0882531	26.21%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	7.7	-0.0636905	ug/L	0.00239225	-0.0636905	ug/L	0.00239225	3.76%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	6.1	-0.0093345	mg/L	0.00115302	-0.0093345	mg/L	0.00115302	12.35%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	1.3	-1.37016	ug/L	0.092706	-1.37016	ug/L	0.092706	6.77%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-27.9	-0.779417	ug/L	0.3543528	-0.779417	ug/L	0.3543528	45.46%
Co 228.616†	-2.3	-1.19642	ug/L	0.714892	-1.19642	ug/L	0.714892	59.75%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	-6.3	-2.16303	ug/L	0.034983	-2.16303	ug/L	0.034983	1.62%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	92.8	5.06929	ug/L	0.280649	5.06929	ug/L	0.280649	5.54%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	3.7	1.06706	ug/L	2.237193	1.06706	ug/L	2.237193	209.66%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	4.9	-0.0062524	mg/L	0.00683364	-0.0062524	mg/L	0.00683364	109.30%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	-28.7	-0.598917	ug/L	0.0894979	-0.598917	ug/L	0.0894979	14.94%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	2.5	-0.0201056	mg/L	0.00525602	-0.0201056	mg/L	0.00525602	26.14%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	2.4	-0.578948	ug/L	0.0424007	-0.578948	ug/L	0.0424007	7.32%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.8	-0.429148	ug/L	0.7420502	-0.429148	ug/L	0.7420502	172.91%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	23.7	-0.0135071	mg/L	0.00410299	-0.0135071	mg/L	0.00410299	30.38%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-0.4	-0.748795	ug/L	0.6634885	-0.748795	ug/L	0.6634885	88.61%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-0.8	-0.0916134	ug/L	0.49812216	-0.0916134	ug/L	0.49812216	543.72%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	4.7	3.05611	ug/L	0.600084	3.05611	ug/L	0.600084	19.64%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-6.4	-9.18195	ug/L	7.287502	-9.18195	ug/L	7.287502	79.37%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	76.2	-0.860347	ug/L	0.7337002	-0.860347	ug/L	0.7337002	85.28%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	2.3	19.5503	ug/L	1.15377	19.5503	ug/L	1.15377	5.90%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	26.9	-0.956302	ug/L	0.0331837	-0.956302	ug/L	0.0331837	3.47%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	10.7	-0.0105922	ug/L	0.09963056	-0.0105922	ug/L	0.09963056	940.60%

QC value within limits for Ti 334.940 Recovery = Not calculated

Tl 190.801†	3.9	14.0812 ug/L	1.33096	14.0812 ug/L	1.33096	9.45%

QC value within limits for Tl 190.801 Recovery = Not calculated

V 292.395†	9.5	0.842809 ug/L	0.0510974	0.842809 ug/L	0.0510974	6.06%

QC value within limits for V 292.395 Recovery = Not calculated

Zn 206.200†	-2.4	-2.30561 ug/L	1.144892	-2.30561 ug/L	1.144892	49.66%

QC value within limits for Zn 206.200 Recovery = Not calculated

QC Failed. Continue with analysis.

==========

Analytical Sequence
Method: Aqueous_6010C_311

Seq.	Loc.	ID	Status
1	1	2D13001-CAL1	Applied
2	2	2D13001-CAL2	Applied
3	3	2D13001-CAL3	Applied
4	4	2D13001-CAL4	Applied
5	5	2D13001-CAL5	Applied
6	9	2D13001-SCV1	QC Passed
7	1	2D13001-CCB	QC Failed
8	10	2D13001-CRL1	QC Failed
9	11	2D13001-IFA1	QC Passed
10	12	2D13001-IFA2	QC Passed
11	13	2D13001-IFB1	QC Passed
12	14	2D13001-IFB2	QC Failed
13	4	2D13001-CCV	QC Passed
14	1	2D13001-CCB	QC Failed
15	17	1204091-01	Analyzed
16	18	1204557-MS1	Analyzed
17	19	1204557-MSD1	Analyzed
18	20	2D13001-SRD1	Analyzed
19	21	1204205-01	Analyzed
20	22	1204205-02	Analyzed
21	4	2D13001-CCV	QC Passed
22	1	2D13001-CCB	QC Failed

TRIMATRIX LABORATORIES

Due 4-18

Calib. 20160006

Metals Laboratory Instrument Run Sequence

Instrument #: 116
Date: 4-16-12
Analyst: KW

Data File: 20160016
Calibration BLK/ICB/CCB: 5%HNO3/51061/5%HCl/51035
Internal Standard #: 1081339

Autosampler Position:

1. BLK/CCB/1111014
2. STD 1/2030521
3. STD 2/2030522
4. STD3/CCV/2030523
5. STD4/2030524
9. DAILY SCV/CCV1/2030372
10. CRL/2020364
11. IFA1/2031153
12. IFA2/2030384
13. IFB1/2030091
14. IFB2/2030092

Analysis #/ Position #	ID	Dilution			Analysis #/ Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
1/17	1204543-BLK1				35/51				
2/18	BS1				36/52				
3/19	1204091-01				37/53				
4/20	MS1				38/54				
5/21	MSD				39/55				
6/22	SRM	1	5	5	40/56				
7/23	PS1				41/57				
8/24	1204205-01				42/58				
9/25	02				43/59				
10/26					44/60				
11/27					45/61				
12/28					46/62				
13/29					47/63				
14/30					48/64				
15/31					49/65				
16/32					50/66				
17/33					51/67				
18/34					52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Analysis Begun

Start Time: 4/16/2012 7:26:26 AM
Logged In Analyst: analystME
Plasma On Time: 4/16/2012 6:29:28 AM
Technique: ICP Continuous
Spectrometer Model: Optima 3300 RL, S/N 069N9060301Autosampler Model: AS-90

Sample Information File: C:\pe\Administrator\Sample Information\2d16001.sif
Batch ID:
Results Data Set: 2D16001
Results Library: C:\pe\Administrator\Results\Results.mdb

4/16/2012 7:28:06 AM Hg ReAlign... Actual peak offset (nm): -0.007
Drift (nm): 0.000 Slit adjustment: -8

Sequence No.: 2
Sample ID: 2D16001-CAL1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 4/16/2012 7:28:08 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-CAL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	523386.6	523386.6	100.2	%	07:29:16
1	Y 371.029	645283.0	645283.0	100.2	%	07:29:16
1	Ag 328.068†	-427.5	-426.8	[0.00]	ug/L	07:29:21
1	Al 396.146†	551.7	550.8	[0.00]	ug/L	07:29:21
1	As 188.979†	5.1	5.1	[0.00]	ug/L	07:29:41
1	B 249.769†	441.2	440.5	[0.00]	ug/L	07:29:21
1	Ba 455.403†	230.6	230.2	[0.00]	ug/L	07:29:21
1	Be 234.863†	128.7	128.5	[0.00]	ug/L	07:29:41
1	Ca 315.874†	206.7	206.4	[0.00]	mg/L	07:29:21
1	Cd 214.436†	-43.5	-43.4	[0.00]	ug/L	07:29:41
1	Ce 413.764†	82.1	81.9	[0.00]	ug/L	07:29:21
1	Co 228.616†	-44.9	-44.8	[0.00]	ug/L	07:29:41
1	Cr 205.563†	50.2	50.1	[0.00]	ug/L	07:29:41
1	Cu 324.741†	-148.7	-148.4	[0.00]	ug/L	07:29:21
1	Fe 238.204†	92.4	92.2	[0.00]	ug/L	07:29:41
1	K 766.490†	3476.4	3470.5	[0.00]	mg/L	07:29:16
1	Li 670.784†	2504.1	2499.8	[0.00]	ug/L	07:29:16
1	Mg 279.071†	79.2	79.1	[0.00]	mg/L	07:29:21
1	Mn 257.610†	39.0	38.9	[0.00]	ug/L	07:29:21
1	Mo 202.031†	1.0	1.0	[0.00]	ug/L	07:29:41
1	Na 589.592†	1186.0	1184.0	[0.00]	mg/L	07:29:21
1	Ni 231.604†	0.4	0.4	[0.00]	ug/L	07:29:41
1	Pb 220.353†	-57.0	-56.9	[0.00]	ug/L	07:29:41
1	Sb 217.584†	-1.2	-1.2	[0.00]	ug/L	07:29:41
1	Se 196.026†	-13.3	-13.3	[0.00]	ug/L	07:29:41
1	Si 251.611†	575.7	574.8	[0.00]	ug/L	07:29:41
1	Sn 189.927†	-2.9	-2.9	[0.00]	ug/L	07:29:41
1	Sr 407.771†	1471.9	1469.4	[0.00]	ug/L	07:29:21
1	Ti 334.946†	1343.1	1340.8	[0.00]	ug/L	07:29:21
1	Tl 190.801†	-1.1	-1.1	[0.00]	ug/L	07:29:41
1	V 292.395†	-131.4	-131.2	[0.00]	ug/L	07:29:21
1	Zn 206.200†	42.9	42.9	[0.00]	ug/L	07:29:41
2	Sc 357.234	521616.6	521616.6	99.83	%	07:29:46
2	Y 371.029	642585.8	642585.8	99.79	%	07:29:46
2	Ag 328.068†	-316.6	-317.1	[0.00]	ug/L	07:29:52
2	Al 396.146†	522.2	523.1	[0.00]	ug/L	07:29:52
2	As 188.979†	12.9	13.0	[0.00]	ug/L	07:30:12
2	B 249.769†	414.6	415.3	[0.00]	ug/L	07:29:52
2	Ba 455.403†	139.2	139.5	[0.00]	ug/L	07:29:52
2	Be 234.863†	165.1	165.3	[0.00]	ug/L	07:30:12
2	Ca 315.874†	207.4	207.7	[0.00]	mg/L	07:29:52
2	Cd 214.436†	-54.4	-54.5	[0.00]	ug/L	07:30:12
2	Ce 413.764†	48.9	49.0	[0.00]	ug/L	07:29:52
2	Co 228.616†	-34.6	-34.6	[0.00]	ug/L	07:30:12

2

2	Cr 205.563†	44.9	45.0	[0.00] ug/L	07:30:12
2	Cu 324.741†	-131.5	-131.8	[0.00] ug/L	07:29:52
2	Fe 238.204†	95.7	95.9	[0.00] ug/L	07:30:12
2	K 766.490†	3454.7	3460.6	[0.00] mg/L	07:29:46
2	Li 670.784†	2632.4	2636.8	[0.00] ug/L	07:29:46
2	Mg 279.071†	120.5	120.7	[0.00] mg/L	07:29:52
2	Mn 257.610†	79.1	79.3	[0.00] ug/L	07:29:52
2	Mo 202.031†	1.1	1.1	[0.00] ug/L	07:30:12
2	Na 589.592†	1023.1	1024.8	[0.00] mg/L	07:29:52
2	Ni 231.604†	-34.8	-34.8	[0.00] ug/L	07:30:12
2	Pb 220.353†	-78.0	-78.1	[0.00] ug/L	07:30:12
2	Sb 217.584†	4.7	4.7	[0.00] ug/L	07:30:12
2	Se 196.026†	-9.6	-9.6	[0.00] ug/L	07:30:12
2	Si 251.611†	591.1	592.1	[0.00] ug/L	07:30:12
2	Sn 189.927†	-2.8	-2.8	[0.00] ug/L	07:30:12
2	Sr 407.771†	1624.3	1627.1	[0.00] ug/L	07:29:52
2	Ti 334.946†	1390.5	1392.8	[0.00] ug/L	07:29:52
2	Tl 190.801†	-0.4	-0.4	[0.00] ug/L	07:30:12
2	V 292.395†	-91.0	-91.2	[0.00] ug/L	07:29:52
2	Zn 206.200†	34.4	34.4	[0.00] ug/L	07:30:12

Mean Data: 2D16001-CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	522501.6	1251.60	0.24%	100.0	%
Y 371.029	643934.4	1907.17	0.30%	100.0	%
Ag 328.068†	-371.9	77.54	20.85%	[0.00]	ug/L
Al 396.146†	536.9	19.60	3.65%	[0.00]	ug/L
As 188.979†	9.0	5.57	61.78%	[0.00]	ug/L
B 249.769†	427.9	17.81	4.16%	[0.00]	ug/L
Ba 455.403†	184.8	64.16	34.71%	[0.00]	ug/L
Be 234.863†	146.9	26.08	17.75%	[0.00]	ug/L
Ca 315.874†	207.0	0.94	0.45%	[0.00]	mg/L
Cd 214.436†	-49.0	7.83	16.00%	[0.00]	ug/L
Ce 413.764†	65.5	23.32	35.63%	[0.00]	ug/L
Co 228.616†	-39.7	7.18	18.06%	[0.00]	ug/L
Cr 205.563†	47.5	3.61	7.59%	[0.00]	ug/L
Cu 324.741†	-140.1	11.78	8.41%	[0.00]	ug/L
Fe 238.204†	94.1	2.59	2.76%	[0.00]	ug/L
K 766.490†	3465.6	7.02	0.20%	[0.00]	mg/L
Li 670.784†	2568.3	96.88	3.77%	[0.00]	ug/L
Mg 279.071†	99.9	29.45	29.48%	[0.00]	mg/L
Mn 257.610†	59.1	28.54	48.28%	[0.00]	ug/L
Mo 202.031†	1.1	0.06	5.26%	[0.00]	ug/L
Na 589.592†	1104.4	112.57	10.19%	[0.00]	mg/L
Ni 231.604†	-17.2	24.93	145.05%	[0.00]	ug/L
Pb 220.353†	-67.5	14.98	22.18%	[0.00]	ug/L
Sb 217.584†	1.8	4.15	236.26%	[0.00]	ug/L
Se 196.026†	-11.4	2.62	22.87%	[0.00]	ug/L
Si 251.611†	583.4	12.26	2.10%	[0.00]	ug/L
Sn 189.927†	-2.8	0.11	3.74%	[0.00]	ug/L
Sr 407.771†	1548.2	111.48	7.20%	[0.00]	ug/L
Ti 334.946†	1366.8	36.78	2.69%	[0.00]	ug/L
Tl 190.801†	-0.8	0.50	62.41%	[0.00]	ug/L
V 292.395†	-111.2	28.33	25.48%	[0.00]	ug/L
Zn 206.200†	38.6	5.98	15.47%	[0.00]	ug/L

Sequence No.: 3
Sample ID: 2D16001-CAL2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 4/16/2012 7:31:25 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	528405.4	528405.4	101.1	%	07:32:34
1	Y 371.029	651878.2	651878.2	101.2	%	07:32:34
1	Ag 328.068†	-278.3	96.8	[5.00]	ug/L	07:32:34

1	Al 396.146†	1331.6	779.8	[50.00]	ug/L	07:32:34
1	As 188.979†	39.3	29.8	[100.00]	ug/L	07:32:54
1	B 249.769†	2440.1	1985.0	[50.00]	ug/L	07:32:54
1	Ba 455.403†	5166.1	4923.6	[10.00]	ug/L	07:32:34
1	Be 234.863†	427.4	275.7	[1.00]	ug/L	07:32:54
1	Ca 315.874†	7621.9	7329.7	[0.500]	mg/L	07:32:34
1	Cd 214.436†	35.8	84.3	[5.00]	ug/L	07:32:54
1	Co 228.616†	44.3	83.5	[10.00]	ug/L	07:32:54
1	Cr 205.563†	86.5	38.1	[10.00]	ug/L	07:32:54
1	Cu 324.741†	-19.8	120.5	[10.00]	ug/L	07:32:34
1	Fe 238.204†	239.4	142.7	[10.00]	ug/L	07:32:54
1	K 766.490†	4112.2	600.6	[0.100]	mg/L	07:32:34
1	Li 670.784†	4556.8	1937.6	[8.00]	ug/L	07:32:34
1	Mg 279.071†	1673.0	1554.4	[0.500]	mg/L	07:32:34
1	Mn 257.610†	1667.5	1589.7	[10.00]	ug/L	07:32:54
1	Na 589.592†	6776.8	5596.7	[0.500]	mg/L	07:32:34
1	Ni 231.604†	46.8	63.5	[10.00]	ug/L	07:32:54
1	Pb 220.353†	-7.2	60.4	[50.00]	ug/L	07:32:54
1	Sb 217.584†	61.1	58.7	[100.00]	ug/L	07:32:54
1	Se 196.026†	30.9	42.0	[100.00]	ug/L	07:32:54
1	Si 251.611†	1264.6	667.1	[100.00]	ug/L	07:32:54
1	Sn 189.927†	35.9	38.3	[100.00]	ug/L	07:32:54
1	Sr 407.771†	106471.9	103734.1	[50.00]	ug/L	07:32:34
1	Tl 190.801†	15.4	16.0	[100.00]	ug/L	07:32:54
1	V 292.395†	277.5	385.5	[10.00]	ug/L	07:32:34
1	Zn 206.200†	127.9	87.8	[10.00]	ug/L	07:32:54
2	Sc 357.234	523496.3	523496.3	100.2	%	07:33:00
2	Y 371.029	645473.6	645473.6	100.2	%	07:33:00
2	Ag 328.068†	-186.7	185.6	[5.00]	ug/L	07:33:00
2	Al 396.146†	1361.2	821.6	[50.00]	ug/L	07:33:00
2	As 188.979†	38.4	29.3	[100.00]	ug/L	07:33:20
2	B 249.769†	2461.8	2029.2	[50.00]	ug/L	07:33:20
2	Ba 455.403†	5196.5	5001.8	[10.00]	ug/L	07:33:00
2	Be 234.863†	400.4	252.8	[1.00]	ug/L	07:33:20
2	Ca 315.874†	7719.9	7498.2	[0.500]	mg/L	07:33:00
2	Cd 214.436†	33.2	82.1	[5.00]	ug/L	07:33:20
2	Co 228.616†	37.6	77.2	[10.00]	ug/L	07:33:20
2	Cr 205.563†	85.5	37.9	[10.00]	ug/L	07:33:20
2	Cu 324.741†	-0.4	139.7	[10.00]	ug/L	07:33:00
2	Fe 238.204†	229.2	134.7	[10.00]	ug/L	07:33:20
2	K 766.490†	4106.4	633.0	[0.100]	mg/L	07:33:00
2	Li 670.784†	4489.3	1912.4	[8.00]	ug/L	07:33:00
2	Mg 279.071†	1752.4	1649.1	[0.500]	mg/L	07:33:00
2	Mn 257.610†	1654.7	1592.4	[10.00]	ug/L	07:33:20
2	Na 589.592†	6962.7	5845.1	[0.500]	mg/L	07:33:00
2	Ni 231.604†	68.1	85.2	[10.00]	ug/L	07:33:20
2	Pb 220.353†	8.1	75.6	[50.00]	ug/L	07:33:20
2	Sb 217.584†	55.2	53.3	[100.00]	ug/L	07:33:20
2	Se 196.026†	33.3	44.6	[100.00]	ug/L	07:33:20
2	Si 251.611†	1273.3	687.5	[100.00]	ug/L	07:33:20
2	Sn 189.927†	36.2	39.0	[100.00]	ug/L	07:33:20
2	Sr 407.771†	107605.9	105853.2	[50.00]	ug/L	07:33:00
2	Tl 190.801†	15.2	16.0	[100.00]	ug/L	07:33:20
2	V 292.395†	198.1	308.9	[10.00]	ug/L	07:33:00
2	Zn 206.200†	137.6	98.7	[10.00]	ug/L	07:33:20

Mean Data: 2D16001-CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	525950.9	3471.30	0.66%	100.7	%
Y 371.029	648675.9	4528.76	0.70%	100.7	%
Ag 328.068†	141.2	62.77	44.46%	[5.00]	ug/L
Al 396.146†	800.7	29.60	3.70%	[50.00]	ug/L
As 188.979†	29.6	0.34	1.16%	[100.00]	ug/L
B 249.769†	2007.1	31.26	1.56%	[50.00]	ug/L
Ba 455.403†	4962.7	55.32	1.11%	[10.00]	ug/L
Be 234.863†	264.3	16.22	6.14%	[1.00]	ug/L
Ca 315.874†	7414.0	119.14	1.61%	[0.500]	mg/L
Cd 214.436†	83.2	1.58	1.89%	[5.00]	ug/L
Co 228.616†	80.4	4.43	5.51%	[10.00]	ug/L
Cr 205.563†	38.0	0.14	0.36%	[10.00]	ug/L

Cu 324.741†	130.1	13.61	10.46%	[10.00] ug/L
Fe 238.204†	138.7	5.64	4.06%	[10.00] ug/L
K 766.490†	616.8	22.89	3.71%	[0.100] mg/L
Li 670.784†	1925.0	17.79	0.92%	[8.00] ug/L
Mg 279.071†	1601.7	66.98	4.18%	[0.500] mg/L
Mn 257.610†	1591.1	1.91	0.12%	[10.00] ug/L
Na 589.592†	5720.9	175.65	3.07%	[0.500] mg/L
Ni 231.604†	74.3	15.35	20.66%	[10.00] ug/L
Pb 220.353†	68.0	10.76	15.81%	[50.00] ug/L
Sb 217.584†	56.0	3.79	6.78%	[100.00] ug/L
Se 196.026†	43.3	1.91	4.40%	[100.00] ug/L
Si 251.611†	677.3	14.43	2.13%	[100.00] ug/L
Sn 189.927†	38.6	0.47	1.23%	[100.00] ug/L
Sr 407.771†	104793.6	1498.45	1.43%	[50.00] ug/L
Tl 190.801†	16.0	0.01	0.04%	[100.00] ug/L
V 292.395†	347.2	54.16	15.60%	[10.00] ug/L
Zn 206.200†	93.3	7.70	8.26%	[10.00] ug/L

Sequence No.: 4
Sample ID: 2D16001-CAL3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 4/16/2012 7:34:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	518597.2	518597.2	99.25	%	07:35:42
1	Y 371.029	638206.5	638206.5	99.11	%	07:35:42
1	Ag 328.068†	3530.5	3929.0	[100.00]	ug/L	07:35:42
1	Al 396.146†	7392.8	6911.5	[500.00]	ug/L	07:35:42
1	As 188.979†	170.4	162.7	[500.00]	ug/L	07:36:03
1	B 249.769†	4817.4	4425.8	[100.00]	ug/L	07:35:42
1	Ba 455.403†	48264.0	48442.6	[100.00]	ug/L	07:35:42
1	Be 234.863†	2847.0	2721.5	[10.00]	ug/L	07:36:03
1	Ca 315.874†	17001.8	16922.8	[1.00]	mg/L	07:35:42
1	Cd 214.436†	1518.0	1578.4	[100.00]	ug/L	07:36:03
1	Co 228.616†	629.6	674.1	[100.00]	ug/L	07:36:03
1	Cr 205.563†	579.9	536.7	[100.00]	ug/L	07:36:03
1	Cu 324.741†	1176.7	1325.6	[100.00]	ug/L	07:35:42
1	Fe 238.204†	1499.3	1416.5	[100.00]	ug/L	07:36:03
1	K 766.490†	9022.3	5624.6	[1.00]	mg/L	07:35:42
1	Li 670.784†	25018.9	22639.0	[100.00]	ug/L	07:35:42
1	Mg 279.071†	3085.4	3008.7	[1.00]	mg/L	07:35:42
1	Mn 257.610†	14583.5	14634.2	[100.00]	ug/L	07:35:42
1	Mo 202.031†	300.4	301.6	[100.00]	ug/L	07:36:03
1	Na 589.592†	12407.9	11396.9	[1.00]	mg/L	07:35:42
1	Ni 231.604†	830.2	853.6	[100.00]	ug/L	07:36:03
1	Pb 220.353†	70.1	138.1	[100.00]	ug/L	07:36:03
1	Sb 217.584†	222.9	222.9	[500.00]	ug/L	07:36:03
1	Se 196.026†	177.0	189.8	[500.00]	ug/L	07:36:03
1	Si 251.611†	3875.0	3320.8	[500.00]	ug/L	07:36:03
1	Sn 189.927†	196.4	200.7	[500.00]	ug/L	07:36:03
1	Sr 407.771†	206911.7	206921.3	[100.00]	ug/L	07:35:42
1	Ti 334.946†	20392.9	19179.6	[100.00]	ug/L	07:35:42
1	Tl 190.801†	72.9	74.2	[500.00]	ug/L	07:36:03
1	V 292.395†	3640.6	3779.2	[100.00]	ug/L	07:35:42
1	Zn 206.200†	674.6	641.0	[100.00]	ug/L	07:36:03
2	Sc 357.234	519715.5	519715.5	99.47	%	07:36:09
2	Y 371.029	640142.0	640142.0	99.41	%	07:36:09
2	Ag 328.068†	3577.8	3968.9	[100.00]	ug/L	07:36:09
2	Al 396.146†	7341.1	6843.5	[500.00]	ug/L	07:36:09
2	As 188.979†	156.4	148.2	[500.00]	ug/L	07:36:29
2	B 249.769†	4910.4	4508.8	[100.00]	ug/L	07:36:09
2	Ba 455.403†	48248.8	48322.6	[100.00]	ug/L	07:36:09
2	Be 234.863†	2831.4	2699.7	[10.00]	ug/L	07:36:29
2	Ca 315.874†	17139.1	17023.9	[1.00]	mg/L	07:36:09
2	Cd 214.436†	1523.7	1580.8	[100.00]	ug/L	07:36:29
2	Co 228.616†	636.2	679.3	[100.00]	ug/L	07:36:29
2	Cr 205.563†	569.8	525.4	[100.00]	ug/L	07:36:29

2	Cu 324.741†	1167.7	1314.1	[100.00] ug/L	07:36:09
2	Fe 238.204†	1473.9	1387.7	[100.00] ug/L	07:36:29
2	K 766.490†	8919.3	5501.5	[1.00] mg/L	07:36:09
2	Li 670.784†	24981.2	22546.8	[100.00] ug/L	07:36:09
2	Mg 279.071†	3212.2	3129.5	[1.00] mg/L	07:36:09
2	Mn 257.610†	14590.1	14609.2	[100.00] ug/L	07:36:09
2	Mo 202.031†	311.9	312.5	[100.00] ug/L	07:36:29
2	Na 589.592†	12457.9	11420.3	[1.00] mg/L	07:36:09
2	Ni 231.604†	829.5	851.1	[100.00] ug/L	07:36:29
2	Pb 220.353†	76.3	144.2	[100.00] ug/L	07:36:29
2	Sb 217.584†	209.6	209.0	[500.00] ug/L	07:36:29
2	Se 196.026†	179.0	191.4	[500.00] ug/L	07:36:29
2	Si 251.611†	3867.6	3304.9	[500.00] ug/L	07:36:29
2	Sn 189.927†	191.3	195.2	[500.00] ug/L	07:36:29
2	Sr 407.771†	206807.4	206367.8	[100.00] ug/L	07:36:09
2	Ti 334.946†	20349.4	19091.7	[100.00] ug/L	07:36:09
2	Tl 190.801†	78.8	80.0	[500.00] ug/L	07:36:29
2	V 292.395†	3667.9	3798.7	[100.00] ug/L	07:36:09
2	Zn 206.200†	675.2	640.2	[100.00] ug/L	07:36:29

Mean Data: 2D16001-CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	519156.3	790.76	0.15%	99.36	%
Y 371.029	639174.2	1368.63	0.21%	99.26	%
Ag 328.068†	3949.0	28.21	0.71%	[100.00]	ug/L
Al 396.146†	6877.5	48.08	0.70%	[500.00]	ug/L
As 188.979†	155.4	10.26	6.60%	[500.00]	ug/L
B 249.769†	4467.3	58.72	1.31%	[100.00]	ug/L
Ba 455.403†	48382.6	84.82	0.18%	[100.00]	ug/L
Be 234.863†	2710.6	15.42	0.57%	[10.00]	ug/L
Ca 315.874†	16973.4	71.51	0.42%	[1.00]	mg/L
Cd 214.436†	1579.6	1.69	0.11%	[100.00]	ug/L
Co 228.616†	676.7	3.70	0.55%	[100.00]	ug/L
Cr 205.563†	531.0	8.02	1.51%	[100.00]	ug/L
Cu 324.741†	1319.9	8.19	0.62%	[100.00]	ug/L
Fe 238.204†	1402.1	20.37	1.45%	[100.00]	ug/L
K 766.490†	5563.1	87.07	1.57%	[1.00]	mg/L
Li 670.784†	22592.9	65.18	0.29%	[100.00]	ug/L
Mg 279.071†	3069.1	85.41	2.78%	[1.00]	mg/L
Mn 257.610†	14621.7	17.67	0.12%	[100.00]	ug/L
Mo 202.031†	307.1	7.68	2.50%	[100.00]	ug/L
Na 589.592†	11408.6	16.54	0.14%	[1.00]	mg/L
Ni 231.604†	852.3	1.78	0.21%	[100.00]	ug/L
Pb 220.353†	141.2	4.30	3.05%	[100.00]	ug/L
Sb 217.584†	215.9	9.81	4.54%	[500.00]	ug/L
Se 196.026†	190.6	1.18	0.62%	[500.00]	ug/L
Si 251.611†	3312.9	11.20	0.34%	[500.00]	ug/L
Sn 189.927†	198.0	3.93	1.98%	[500.00]	ug/L
Sr 407.771†	206644.5	391.34	0.19%	[100.00]	ug/L
Ti 334.946†	19135.7	62.19	0.32%	[100.00]	ug/L
Tl 190.801†	77.1	4.12	5.35%	[500.00]	ug/L
V 292.395†	3789.0	13.80	0.36%	[100.00]	ug/L
Zn 206.200†	640.6	0.55	0.09%	[100.00]	ug/L

Sequence No.: 5
Sample ID: 2D16001-CAL4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 4/16/2012 7:37:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	519622.2	519622.2	99.45	%	07:38:59
1	Y 371.029	643478.1	643478.1	99.93	%	07:38:59
1	Ag 328.068†	18871.2	19347.8	[500.00]	ug/L	07:39:04
1	Al 396.146†	30724.2	30357.5	[2500.00]	ug/L	07:39:04
1	As 188.979†	788.5	783.8	[2500.00]	ug/L	07:39:25

1	B 249.769†	19304.6	18983.7	[500.00]	ug/L	07:39:04
1	Ba 455.403†	243025.7	244187.6	[500.00]	ug/L	07:38:59
1	Be 234.863†	13676.8	13605.7	[50.00]	ug/L	07:39:04
1	Ca 315.874†	77583.7	77806.6	[5.00]	mg/L	07:39:04
1	Cd 214.436†	8111.4	8205.3	[500.00]	ug/L	07:39:25
1	Co 228.616†	3364.5	3422.9	[500.00]	ug/L	07:39:25
1	Cr 205.563†	2754.7	2722.4	[500.00]	ug/L	07:39:25
1	Cu 324.741†	6674.9	6851.9	[500.00]	ug/L	07:39:04
1	Fe 238.204†	6746.0	6689.4	[500.00]	ug/L	07:39:04
1	K 766.490†	30937.6	27643.5	[5.00]	mg/L	07:38:59
1	Li 670.784†	115576.9	113649.0	[500.00]	ug/L	07:38:59
1	Mg 279.071†	15403.9	15389.4	[5.00]	mg/L	07:39:04
1	Mn 257.610†	74375.8	74728.8	[500.00]	ug/L	07:39:04
1	Mo 202.031†	1525.7	1533.1	[500.00]	ug/L	07:39:25
1	Na 589.592†	57296.1	56509.2	[5.00]	mg/L	07:38:59
1	Ni 231.604†	4194.1	4234.6	[500.00]	ug/L	07:39:04
1	Pb 220.353†	599.8	670.7	[500.00]	ug/L	07:39:25
1	Sb 217.584†	1092.3	1096.6	[2500.00]	ug/L	07:39:25
1	Se 196.026†	879.2	895.6	[2500.00]	ug/L	07:39:25
1	Si 251.611†	17201.9	16713.8	[2500.00]	ug/L	07:39:04
1	Sn 189.927†	984.2	992.5	[2500.00]	ug/L	07:39:25
1	Sr 407.771†	1035733.9	1039925.1	[500.00]	ug/L	07:38:59
1	Ti 334.946†	98160.0	97337.1	[500.00]	ug/L	07:39:04
1	Tl 190.801†	387.1	390.0	[2500.00]	ug/L	07:39:25
1	V 292.395†	18925.0	19141.0	[500.00]	ug/L	07:39:04
1	Zn 206.200†	3078.1	3056.6	[500.00]	ug/L	07:39:25
2	Sc 357.234	523462.0	523462.0	100.2	%	07:39:32
2	Y 371.029	648960.7	648960.7	100.8	%	07:39:32
2	Ag 328.068†	18806.9	19144.4	[500.00]	ug/L	07:39:37
2	Al 396.146†	30622.8	30029.7	[2500.00]	ug/L	07:39:37
2	As 188.979†	806.5	796.0	[2500.00]	ug/L	07:39:57
2	B 249.769†	19452.5	18988.9	[500.00]	ug/L	07:39:37
2	Ba 455.403†	243239.6	242608.5	[500.00]	ug/L	07:39:32
2	Be 234.863†	13662.3	13490.3	[50.00]	ug/L	07:39:37
2	Ca 315.874†	77368.1	77019.2	[5.00]	mg/L	07:39:37
2	Cd 214.436†	8177.5	8211.5	[500.00]	ug/L	07:39:57
2	Co 228.616†	3389.7	3423.2	[500.00]	ug/L	07:39:57
2	Cr 205.563†	2764.2	2711.7	[500.00]	ug/L	07:39:57
2	Cu 324.741†	6670.5	6798.3	[500.00]	ug/L	07:39:37
2	Fe 238.204†	6732.7	6626.2	[500.00]	ug/L	07:39:37
2	K 766.490†	31053.2	27530.6	[5.00]	mg/L	07:39:32
2	Li 670.784†	115849.8	113068.9	[500.00]	ug/L	07:39:32
2	Mg 279.071†	15294.1	15166.1	[5.00]	mg/L	07:39:37
2	Mn 257.610†	74384.4	74188.8	[500.00]	ug/L	07:39:37
2	Mo 202.031†	1527.8	1523.9	[500.00]	ug/L	07:39:57
2	Na 589.592†	57315.1	56105.5	[5.00]	mg/L	07:39:32
2	Ni 231.604†	4187.0	4196.5	[500.00]	ug/L	07:39:37
2	Pb 220.353†	596.1	662.5	[500.00]	ug/L	07:39:57
2	Sb 217.584†	1106.8	1103.0	[2500.00]	ug/L	07:39:57
2	Se 196.026†	898.6	908.4	[2500.00]	ug/L	07:39:57
2	Si 251.611†	17145.0	16530.1	[2500.00]	ug/L	07:39:37
2	Sn 189.927†	988.0	989.0	[2500.00]	ug/L	07:39:57
2	Sr 407.771†	1037471.5	1034020.0	[500.00]	ug/L	07:39:32
2	Ti 334.946†	97897.5	96351.1	[500.00]	ug/L	07:39:37
2	Tl 190.801†	387.2	387.3	[2500.00]	ug/L	07:39:57
2	V 292.395†	18925.1	19001.6	[500.00]	ug/L	07:39:37
2	Zn 206.200†	3089.3	3045.0	[500.00]	ug/L	07:39:57

Mean Data: 2D16001-CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	521542.1	2715.15	0.52%	99.82	%
Y 371.029	646219.4	3876.72	0.60%	100.4	%
Ag 328.068†	19246.1	143.80	0.75%	[500.00]	ug/L
Al 396.146†	30193.6	231.86	0.77%	[2500.00]	ug/L
As 188.979†	789.9	8.62	1.09%	[2500.00]	ug/L
B 249.769†	18986.3	3.67	0.02%	[500.00]	ug/L
Ba 455.403†	243398.0	1116.58	0.46%	[500.00]	ug/L
Be 234.863†	13548.0	81.60	0.60%	[50.00]	ug/L
Ca 315.874†	77412.9	556.78	0.72%	[5.00]	mg/L
Cd 214.436†	8208.4	4.39	0.05%	[500.00]	ug/L

Co 228.616†	3423.1	0.20	0.01%	[500.00] ug/L
Cr 205.563†	2717.0	7.61	0.28%	[500.00] ug/L
Cu 324.741†	6825.1	37.91	0.56%	[500.00] ug/L
Fe 238.204†	6657.8	44.62	0.67%	[500.00] ug/L
K 766.490†	27587.1	79.78	0.29%	[5.00] mg/L
Li 670.784†	113359.0	410.19	0.36%	[500.00] ug/L
Mg 279.071†	15277.7	157.86	1.03%	[5.00] mg/L
Mn 257.610†	74458.8	381.81	0.51%	[500.00] ug/L
Mo 202.031†	1528.5	6.48	0.42%	[500.00] ug/L
Na 589.592†	56307.4	285.44	0.51%	[5.00] mg/L
Ni 231.604†	4215.5	26.90	0.64%	[500.00] ug/L
Pb 220.353†	666.6	5.74	0.86%	[500.00] ug/L
Sb 217.584†	1099.8	4.47	0.41%	[2500.00] ug/L
Se 196.026†	902.0	9.08	1.01%	[2500.00] ug/L
Si 251.611†	16621.9	129.88	0.78%	[2500.00] ug/L
Sn 189.927†	990.8	2.48	0.25%	[2500.00] ug/L
Sr 407.771†	1036972.6	4175.59	0.40%	[500.00] ug/L
Ti 334.946†	96844.1	697.19	0.72%	[500.00] ug/L
Tl 190.801†	388.7	1.94	0.50%	[2500.00] ug/L
V 292.395†	19071.3	98.60	0.52%	[500.00] ug/L
Zn 206.200†	3050.8	8.16	0.27%	[500.00] ug/L

Sequence No.: 6
Sample ID: 2D16001-CAL5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 4/16/2012 7:41:13 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-CAL5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	516265.3	516265.3	98.81	%	07:42:26
1	Y 371.029	639586.6	639586.6	99.32	%	07:42:26
1	Ag 328.068†	38106.7	38939.0	[1000.00]	ug/L	07:42:31
1	Al 396.146†	60944.0	61143.2	[5000.00]	ug/L	07:42:31
1	As 188.979†	1582.4	1592.5	[5000.00]	ug/L	07:42:52
1	B 249.769†	37678.1	37705.4	[1000.00]	ug/L	07:42:31
1	Ba 455.403†	484726.8	490397.4	[1000.00]	ug/L	07:42:26
1	Be 234.863†	27398.1	27582.2	[100.00]	ug/L	07:42:31
1	Ca 315.874†	154397.2	156055.3	[10.00]	mg/L	07:42:31
1	Cd 214.436†	16195.5	16440.2	[1000.00]	ug/L	07:42:52
1	Ce 413.764†	7578.1	7604.2	[1000.00]	ug/L	07:42:31
1	Co 228.616†	6696.5	6817.1	[1000.00]	ug/L	07:42:52
1	Cr 205.563†	5448.0	5466.3	[1000.00]	ug/L	07:42:52
1	Cu 324.741†	13530.6	13834.2	[1000.00]	ug/L	07:42:31
1	Fe 238.204†	13832.7	13905.8	[1000.00]	ug/L	07:42:52
1	K 766.490†	58532.5	55773.9	[10.00]	mg/L	07:42:31
1	Li 670.784†	229161.4	229361.3	[1000.00]	ug/L	07:42:26
1	Mg 279.071†	30784.4	31056.4	[10.00]	mg/L	07:42:31
1	Mn 257.610†	148927.7	150667.6	[1000.00]	ug/L	07:42:31
1	Mo 202.031†	3020.8	3056.3	[1000.00]	ug/L	07:42:52
1	Na 589.592†	113767.9	114037.8	[10.00]	mg/L	07:42:31
1	Ni 231.604†	8491.7	8611.5	[1000.00]	ug/L	07:42:52
1	Pb 220.353†	1268.3	1351.2	[1000.00]	ug/L	07:42:52
1	Sb 217.584†	2192.5	2217.2	[5000.00]	ug/L	07:42:52
1	Se 196.026†	1766.0	1798.8	[5000.00]	ug/L	07:42:52
1	Si 251.611†	33424.1	33244.4	[5000.00]	ug/L	07:42:31
1	Sn 189.927†	1960.4	1986.9	[5000.00]	ug/L	07:42:52
1	Sr 407.771†	2061341.7	2084694.0	[1000.00]	ug/L	07:42:26
1	Ti 334.946†	194333.9	195314.6	[1000.00]	ug/L	07:42:31
1	Tl 190.801†	770.0	780.0	[5000.00]	ug/L	07:42:52
1	V 292.395†	38055.9	38626.8	[1000.00]	ug/L	07:42:31
1	Zn 206.200†	6056.8	6091.4	[1000.00]	ug/L	07:42:52
2	Sc 357.234	513893.2	513893.2	98.35	%	07:43:00
2	Y 371.029	636763.0	636763.0	98.89	%	07:43:00
2	Ag 328.068†	38056.8	39066.2	[1000.00]	ug/L	07:43:06
2	Al 396.146†	60821.0	61302.9	[5000.00]	ug/L	07:43:06
2	As 188.979†	1585.8	1603.4	[5000.00]	ug/L	07:43:26
2	B 249.769†	37706.9	37910.7	[1000.00]	ug/L	07:43:06
2	Ba 455.403†	485119.2	493060.7	[1000.00]	ug/L	07:43:00

2	Be 234.863†	27313.1	27623.7	[100.00]	ug/L	07:43:06
2	Ca 315.874†	153877.7	156248.3	[10.00]	mg/L	07:43:06
2	Cd 214.436†	16208.7	16529.2	[1000.00]	ug/L	07:43:26
2	Ce 413.764†	7528.5	7589.2	[1000.00]	ug/L	07:43:06
2	Co 228.616†	6702.7	6854.7	[1000.00]	ug/L	07:43:26
2	Cr 205.563†	5451.2	5495.0	[1000.00]	ug/L	07:43:26
2	Cu 324.741†	13506.5	13872.9	[1000.00]	ug/L	07:43:06
2	Fe 238.204†	13833.7	13971.4	[1000.00]	ug/L	07:43:26
2	K 766.490†	58452.4	55966.0	[10.00]	mg/L	07:43:06
2	Li 670.784†	229560.2	230837.3	[1000.00]	ug/L	07:43:00
2	Mg 279.071†	30779.4	31195.1	[10.00]	mg/L	07:43:06
2	Mn 257.610†	148244.0	150668.2	[1000.00]	ug/L	07:43:06
2	Mo 202.031†	3013.0	3062.5	[1000.00]	ug/L	07:43:26
2	Na 589.592†	113242.1	114034.7	[10.00]	mg/L	07:43:06
2	Ni 231.604†	8485.8	8645.2	[1000.00]	ug/L	07:43:26
2	Pb 220.353†	1269.8	1358.7	[1000.00]	ug/L	07:43:26
2	Sb 217.584†	2198.3	2233.3	[5000.00]	ug/L	07:43:26
2	Se 196.026†	1758.2	1799.1	[5000.00]	ug/L	07:43:26
2	Si 251.611†	33166.3	33138.5	[5000.00]	ug/L	07:43:06
2	Sn 189.927†	1958.0	1993.6	[5000.00]	ug/L	07:43:26
2	Sr 407.771†	2062717.8	2095722.9	[1000.00]	ug/L	07:43:00
2	Ti 334.946†	194006.7	195889.7	[1000.00]	ug/L	07:43:06
2	Tl 190.801†	772.6	786.3	[5000.00]	ug/L	07:43:26
2	V 292.395†	38086.2	38835.3	[1000.00]	ug/L	07:43:06
2	Zn 206.200†	6069.7	6132.7	[1000.00]	ug/L	07:43:26

Mean Data: 2D16001-CAL5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	515079.2	1677.30	0.33%	98.58	%
Y 371.029	638174.8	1996.61	0.31%	99.11	%
Ag 328.068†	39002.6	89.96	0.23%	[1000.00]	ug/L
Al 396.146†	61223.1	112.93	0.18%	[5000.00]	ug/L
As 188.979†	1598.0	7.66	0.48%	[5000.00]	ug/L
B 249.769†	37808.0	145.20	0.38%	[1000.00]	ug/L
Ba 455.403†	491729.1	1883.29	0.38%	[1000.00]	ug/L
Be 234.863†	27603.0	29.40	0.11%	[100.00]	ug/L
Ca 315.874†	156151.8	136.50	0.09%	[10.00]	mg/L
Cd 214.436†	16484.7	62.95	0.38%	[1000.00]	ug/L
Ce 413.764†	7596.7	10.63	0.14%	[1000.00]	ug/L
Co 228.616†	6835.9	26.55	0.39%	[1000.00]	ug/L
Cr 205.563†	5480.6	20.31	0.37%	[1000.00]	ug/L
Cu 324.741†	13853.5	27.37	0.20%	[1000.00]	ug/L
Fe 238.204†	13938.6	46.39	0.33%	[1000.00]	ug/L
K 766.490†	55870.0	135.79	0.24%	[10.00]	mg/L
Li 670.784†	230099.3	1043.72	0.45%	[1000.00]	ug/L
Mg 279.071†	31125.7	98.08	0.32%	[10.00]	mg/L
Mn 257.610†	150667.9	0.43	0.00%	[1000.00]	ug/L
Mo 202.031†	3059.4	4.39	0.14%	[1000.00]	ug/L
Na 589.592†	114036.2	2.19	0.00%	[10.00]	mg/L
Ni 231.604†	8628.3	23.85	0.28%	[1000.00]	ug/L
Pb 220.353†	1354.9	5.27	0.39%	[1000.00]	ug/L
Sb 217.584†	2225.3	11.41	0.51%	[5000.00]	ug/L
Se 196.026†	1798.9	0.26	0.01%	[5000.00]	ug/L
Si 251.611†	33191.5	74.95	0.23%	[5000.00]	ug/L
Sn 189.927†	1990.3	4.72	0.24%	[5000.00]	ug/L
Sr 407.771†	2090208.4	7798.65	0.37%	[1000.00]	ug/L
Ti 334.946†	195602.2	406.67	0.21%	[1000.00]	ug/L
Tl 190.801†	783.2	4.44	0.57%	[5000.00]	ug/L
V 292.395†	38731.0	147.49	0.38%	[1000.00]	ug/L
Zn 206.200†	6112.1	29.26	0.48%	[1000.00]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	4	Lin, Calc Int	-35.1	38.95	0.00000	0.999976	
Al 396.146	4	Lin, Calc Int	235.8	12.16	0.00000	0.999890	
As 188.979	4	Lin, Calc Int	-3.2	0.3196	0.00000	0.999985	
B 249.769	4	Lin, Calc Int	258.3	37.56	0.00000	0.999856	
Ba 455.403	4	Lin, Calc Int	-521.7	491.4	0.00000	0.999987	

Be 234.863	4	Lin, Calc Int	-49.8	275.6	0.00000	0.999959
Ca 315.874	4	Lin, Calc Int	205.0	15570	0.00000	0.999934
Cd 214.436	4	Lin, Calc Int	-24.2	16.50	0.00000	0.999991
Ce 413.764	1	Lin, Calc Int	0.0	7.597	0.00000	1.000000
Co 228.616	4	Lin, Calc Int	2.6	6.834	0.00000	0.999997
Cr 205.563	4	Lin, Calc Int	-13.6	5.487	0.00000	0.999990
Cu 324.741	4	Lin, Calc Int	-34.7	13.85	0.00000	0.999970
Fe 238.204	4	Lin, Calc Int	-36.0	13.86	0.00000	0.999740
K 766.490	4	Lin, Calc Int	-30.3	5577	0.00000	0.999979
Li 670.784	4	Lin, Calc Int	-302.7	229.8	0.00000	0.999973
Mg 279.071	4	Lin, Calc Int	-33.1	3105	0.00000	0.999953
Mn 257.610	4	Lin, Calc Int	-211.0	150.6	0.00000	0.999980
Mo 202.031	3	Lin, Calc Int	0.3	3.059	0.00000	1.000000
Na 589.592	4	Lin, Calc Int	-78.8	11390	0.00000	0.999979
Ni 231.604	4	Lin, Calc Int	-19.2	8.613	0.00000	0.999938
Pb 220.353	4	Lin, Calc Int	0.5	1.350	0.00000	0.999950
Sb 217.584	4	Lin, Calc Int	0.3	0.4439	0.00000	0.999958
Se 196.026	4	Lin, Calc Int	5.9	0.3587	0.00000	0.999986
Si 251.611	4	Lin, Calc Int	5.8	6.639	0.00000	1.000000
Sn 189.927	4	Lin, Calc Int	-1.2	0.3980	0.00000	0.999998
Sr 407.771	4	Lin, Calc Int	-1624.3	2089	0.00000	0.999992
Ti 334.946	3	Lin, Calc Int	-365.8	195.7	0.00000	0.999987
Tl 190.801	4	Lin, Calc Int	-0.6	0.1565	0.00000	0.999992
V 292.395	4	Lin, Calc Int	-74.5	38.70	0.00000	0.999973
Zn 206.200	4	Lin, Calc Int	18.9	6.088	0.00000	0.999984

Sequence No.: 7
Sample ID: 2D16001-SCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 4/16/2012 7:44:42 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-SCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	521786.8	521786.8	99.86	%			07:45:52
1	Y 371.029	646118.5	646118.5	100.3	%			07:45:52
1	Ag 328.068†	18215.0	18611.9	479.178	ug/L	479.178	ug/L	07:45:58
1	Al 396.146†	30156.9	29661.3	2405.95	ug/L	2405.95	ug/L	07:45:58
1	As 188.979†	768.8	760.8	2381.83	ug/L	2381.83	ug/L	07:46:18
1	B 249.769†	18690.1	18287.8	479.288	ug/L	479.288	ug/L	07:45:58
1	Ba 455.403†	234950.0	235087.0	479.520	ug/L	479.520	ug/L	07:45:52
1	Be 234.863†	13343.5	13214.9	48.0686	ug/L	48.0686	ug/L	07:45:58
1	Ca 315.874†	75382.7	75279.0	4.82129	mg/L	4.82129	mg/L	07:45:58
1	Cd 214.436†	7851.5	7911.3	481.031	ug/L	481.031	ug/L	07:46:18
1	Ce 413.764†	148.7	83.5	11.0763	ug/L	11.0763	ug/L	07:45:58
1	Co 228.616†	3256.7	3300.9	482.289	ug/L	482.289	ug/L	07:46:18
1	Cr 205.563†	2692.5	2648.7	484.412	ug/L	484.412	ug/L	07:46:18
1	Cu 324.741†	6607.9	6757.1	491.255	ug/L	491.255	ug/L	07:45:58
1	Fe 238.204†	6753.2	6668.4	483.641	ug/L	483.641	ug/L	07:45:58
1	K 766.490†	30065.6	26641.2	4.78249	mg/L	4.78249	mg/L	07:45:52
1	Li 670.784†	113238.6	110825.4	483.623	ug/L	483.623	ug/L	07:45:52
1	Mg 279.071†	15097.7	15018.5	4.84683	mg/L	4.84683	mg/L	07:45:58
1	Mn 257.610†	73437.5	73479.0	489.678	ug/L	489.678	ug/L	07:45:58
1	Mo 202.031†	1467.8	1468.7	479.021	ug/L	479.021	ug/L	07:46:18
1	Na 589.592†	55845.0	54817.1	4.82140	mg/L	4.82140	mg/L	07:45:52
1	Ni 231.604†	4123.0	4145.8	483.614	ug/L	483.614	ug/L	07:45:58
1	Pb 220.353†	567.5	635.8	472.250	ug/L	472.250	ug/L	07:46:18
1	Sb 217.584†	891.1	890.6	2010.58	ug/L	2010.58	ug/L	07:46:18
1	Se 196.026†	860.0	872.6	2414.40	ug/L	2414.40	ug/L	07:46:18
1	Si 251.611†	17708.0	17148.8	2549.19	ug/L	2549.19	ug/L	07:45:58
1	Sn 189.927†	945.9	950.0	2391.46	ug/L	2391.46	ug/L	07:46:18
1	Sr 407.771†	1006926.1	1006757.2	482.255	ug/L	482.255	ug/L	07:45:52
1	Ti 334.946†	95831.7	94596.1	485.358	ug/L	485.358	ug/L	07:45:58
1	Tl 190.801†	374.7	376.0	2407.52	ug/L	2407.52	ug/L	07:46:18
1	V 292.395†	18629.2	18765.9	490.535	ug/L	490.535	ug/L	07:45:58
1	Zn 206.200†	2990.6	2956.0	481.395	ug/L	481.395	ug/L	07:46:18
2	Sc 357.234	526364.6	526364.6	100.7	%			07:46:25
2	Y 371.029	653595.6	653595.6	101.5	%			07:46:25
2	Ag 328.068†	18250.9	18488.9	475.981	ug/L	475.981	ug/L	07:46:30

2	Al 396.146†	30042.8	29285.4	2373.66 ug/L	2373.66 ug/L	07:46:30
2	As 188.979†	784.0	769.2	2408.20 ug/L	2408.20 ug/L	07:46:51
2	B 249.769†	18730.1	18164.8	476.020 ug/L	476.020 ug/L	07:46:30
2	Ba 455.403†	236535.4	234614.6	478.557 ug/L	478.557 ug/L	07:46:25
2	Be 234.863†	13327.9	13083.2	47.5915 ug/L	47.5915 ug/L	07:46:30
2	Ca 315.874†	75145.6	74387.1	4.76402 mg/L	4.76402 mg/L	07:46:30
2	Cd 214.436†	7884.3	7875.4	478.857 ug/L	478.857 ug/L	07:46:51
2	Ce 413.764†	67.5	1.6	0.293095 ug/L	0.293095 ug/L	07:46:30
2	Co 228.616†	3255.7	3271.5	477.994 ug/L	477.994 ug/L	07:46:51
2	Cr 205.563†	2703.5	2636.1	482.131 ug/L	482.131 ug/L	07:46:51
2	Cu 324.741†	6568.2	6660.1	484.241 ug/L	484.241 ug/L	07:46:30
2	Fe 238.204†	6732.2	6588.8	477.899 ug/L	477.899 ug/L	07:46:30
2	K 766.490†	30073.3	26387.0	4.73690 mg/L	4.73690 mg/L	07:46:25
2	Li 670.784†	114037.0	110631.7	482.781 ug/L	482.781 ug/L	07:46:25
2	Mg 279.071†	15090.5	14879.8	4.80218 mg/L	4.80218 mg/L	07:46:30
2	Mn 257.610†	73159.8	72563.8	483.597 ug/L	483.597 ug/L	07:46:30
2	Mo 202.031†	1477.3	1465.4	477.932 ug/L	477.932 ug/L	07:46:51
2	Na 589.592†	56219.5	54702.5	4.81134 mg/L	4.81134 mg/L	07:46:25
2	Ni 231.604†	4140.4	4127.2	481.465 ug/L	481.465 ug/L	07:46:30
2	Pb 220.353†	571.4	634.8	471.506 ug/L	471.506 ug/L	07:46:51
2	Sb 217.584†	894.1	885.7	1999.61 ug/L	1999.61 ug/L	07:46:51
2	Se 196.026†	858.7	863.8	2390.00 ug/L	2390.00 ug/L	07:46:51
2	Si 251.611†	17521.9	16809.9	2498.45 ug/L	2498.45 ug/L	07:46:30
2	Sn 189.927†	949.7	945.5	2380.28 ug/L	2380.28 ug/L	07:46:51
2	Sr 407.771†	1012191.5	1003214.7	480.557 ug/L	480.557 ug/L	07:46:25
2	Ti 334.946†	95643.2	93574.4	480.136 ug/L	480.136 ug/L	07:46:30
2	Tl 190.801†	382.4	380.4	2435.64 ug/L	2435.64 ug/L	07:46:51
2	V 292.395†	18571.3	18546.2	484.853 ug/L	484.853 ug/L	07:46:30
2	Zn 206.200†	2983.3	2922.8	475.945 ug/L	475.945 ug/L	07:46:51

Mean Data: 2D16001-SCV1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	524075.7	100.3	%	0.62				0.62%
Y 371.029	649857.0	100.9	%	0.82				0.81%
Ag 328.068†	18550.4	477.579	ug/L	2.2608	477.579	ug/L	2.2608	0.47%
QC value within limits for Ag 328.068 Recovery = 95.52%								
Al 396.146†	29473.3	2389.81	ug/L	22.829	2389.81	ug/L	22.829	0.96%
QC value within limits for Al 396.146 Recovery = 95.59%								
As 188.979†	765.0	2395.01	ug/L	18.642	2395.01	ug/L	18.642	0.78%
QC value within limits for As 188.979 Recovery = 95.80%								
B 249.769†	18226.3	477.654	ug/L	2.3112	477.654	ug/L	2.3112	0.48%
QC value within limits for B 249.769 Recovery = 95.53%								
Ba 455.403†	234850.8	479.038	ug/L	0.6814	479.038	ug/L	0.6814	0.14%
QC value within limits for Ba 455.403 Recovery = 95.81%								
Be 234.863†	13149.0	47.8301	ug/L	0.33740	47.8301	ug/L	0.33740	0.71%
QC value within limits for Be 234.863 Recovery = 95.66%								
Ca 315.874†	74833.0	4.79266	mg/L	0.040500	4.79266	mg/L	0.040500	0.85%
QC value within limits for Ca 315.874 Recovery = 95.85%								
Cd 214.436†	7893.3	479.944	ug/L	1.5372	479.944	ug/L	1.5372	0.32%
QC value within limits for Cd 214.436 Recovery = 95.99%								
Ce 413.764†	42.5	5.68472	ug/L	7.624910	5.68472	ug/L	7.624910	134.13%
Co 228.616†	3286.2	480.141	ug/L	3.0369	480.141	ug/L	3.0369	0.63%
QC value within limits for Co 228.616 Recovery = 96.03%								
Cr 205.563†	2642.4	483.272	ug/L	1.6132	483.272	ug/L	1.6132	0.33%
QC value within limits for Cr 205.563 Recovery = 96.65%								
Cu 324.741†	6708.6	487.748	ug/L	4.9594	487.748	ug/L	4.9594	1.02%
QC value within limits for Cu 324.741 Recovery = 97.55%								
Fe 238.204†	6628.6	480.770	ug/L	4.0601	480.770	ug/L	4.0601	0.84%
QC value within limits for Fe 238.204 Recovery = 96.15%								
K 766.490†	26514.1	4.75969	mg/L	0.032238	4.75969	mg/L	0.032238	0.68%
QC value within limits for K 766.490 Recovery = 95.19%								
Li 670.784†	110728.6	483.202	ug/L	0.5953	483.202	ug/L	0.5953	0.12%
QC value within limits for Li 670.784 Recovery = 96.64%								
Mg 279.071†	14949.1	4.82451	mg/L	0.031575	4.82451	mg/L	0.031575	0.65%
QC value within limits for Mg 279.071 Recovery = 96.49%								
Mn 257.610†	73021.4	486.638	ug/L	4.2998	486.638	ug/L	4.2998	0.88%
QC value within limits for Mn 257.610 Recovery = 97.33%								
Mo 202.031†	1467.1	478.477	ug/L	0.7699	478.477	ug/L	0.7699	0.16%
QC value within limits for Mo 202.031 Recovery = 95.70%								
Na 589.592†	54759.8	4.81637	mg/L	0.007117	4.81637	mg/L	0.007117	0.15%

	QC value within limits for Na 589.592 Recovery = 96.33%						
Ni 231.604†	4136.5	482.539 ug/L	1.5198	482.539 ug/L	1.5198	0.31%	
	QC value within limits for Ni 231.604 Recovery = 96.51%						
Pb 220.353†	635.3	471.878 ug/L	0.5255	471.878 ug/L	0.5255	0.11%	
	QC value within limits for Pb 220.353 Recovery = 94.38%						
Sb 217.584†	888.2	2005.10 ug/L	7.756	2005.10 ug/L	7.756	0.39%	
	QC value less than the lower limit for Sb 217.584 Recovery = 80.20%						
Se 196.026†	868.2	2402.20 ug/L	17.253	2402.20 ug/L	17.253	0.72%	
	QC value within limits for Se 196.026 Recovery = 96.09%						
Si 251.611†	16979.3	2523.82 ug/L	35.877	2523.82 ug/L	35.877	1.42%	
	QC value within limits for Si 251.611 Recovery = 100.95%						
Sn 189.927†	947.8	2385.87 ug/L	7.906	2385.87 ug/L	7.906	0.33%	
	QC value within limits for Sn 189.927 Recovery = 95.43%						
Sr 407.771†	1004986.0	481.406 ug/L	1.2006	481.406 ug/L	1.2006	0.25%	
	QC value within limits for Sr 407.771 Recovery = 96.28%						
Ti 334.946†	94085.3	482.747 ug/L	3.6926	482.747 ug/L	3.6926	0.76%	
	QC value within limits for Ti 334.946 Recovery = 96.55%						
Tl 190.801†	378.2	2421.58 ug/L	19.882	2421.58 ug/L	19.882	0.82%	
	QC value within limits for Tl 190.801 Recovery = 96.86%						
V 292.395†	18656.0	487.694 ug/L	4.0177	487.694 ug/L	4.0177	0.82%	
	QC value within limits for V 292.395 Recovery = 97.54%						
Zn 206.200†	2939.4	478.670 ug/L	3.8538	478.670 ug/L	3.8538	0.81%	
	QC value within limits for Zn 206.200 Recovery = 95.73%						

QC Failed. Continue with analysis.

==========

Sequence No.: 8
Sample ID: 2D16001-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 4/16/2012 7:48:05 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	523309.4	523309.4	100.2	%			07:49:17
1	Y 371.029	645151.4	645151.4	100.2	%			07:49:17
1	Ag 328.068†	-380.2	-7.6	0.726047	ug/L	0.726047	ug/L	07:49:17
1	Al 396.146†	646.2	108.2	-9.73304	ug/L	-9.73304	ug/L	07:49:17
1	As 188.979†	9.0	-0.0	9.88089	ug/L	9.88089	ug/L	07:49:37
1	B 249.769†	680.7	251.7	-0.180916	ug/L	-0.180916	ug/L	07:49:37
1	Ba 455.403†	145.5	-39.5	0.982609	ug/L	0.982609	ug/L	07:49:17
1	Be 234.863†	166.0	18.8	0.248363	ug/L	0.248363	ug/L	07:49:37
1	Ca 315.874†	238.0	30.6	-0.0112005	mg/L	-0.0112005	mg/L	07:49:17
1	Cd 214.436†	-53.8	-4.8	1.18007	ug/L	1.18007	ug/L	07:49:37
1	Ce 413.764†	111.8	46.2	6.08048	ug/L	6.08048	ug/L	07:49:17
1	Co 228.616†	-29.2	10.5	1.15506	ug/L	1.15506	ug/L	07:49:37
1	Cr 205.563†	35.7	-11.9	0.300316	ug/L	0.300316	ug/L	07:49:37
1	Cu 324.741†	-138.6	1.7	2.62993	ug/L	2.62993	ug/L	07:49:17
1	Fe 238.204†	128.0	33.7	5.03227	ug/L	5.03227	ug/L	07:49:37
1	K 766.490†	3521.9	50.9	0.0145606	mg/L	0.0145606	mg/L	07:49:17
1	Li 670.784†	2649.6	77.1	1.65248	ug/L	1.65248	ug/L	07:49:17
1	Mg 279.071†	115.4	15.3	0.0155770	mg/L	0.0155770	mg/L	07:49:37
1	Mn 257.610†	99.5	40.2	1.66954	ug/L	1.66954	ug/L	07:49:37
1	Mo 202.031†	7.9	6.8	2.13252	ug/L	2.13252	ug/L	07:49:37
1	Na 589.592†	1155.2	49.0	0.0112279	mg/L	0.0112279	mg/L	07:49:17
1	Ni 231.604†	-8.2	9.0	3.27789	ug/L	3.27789	ug/L	07:49:37
1	Pb 220.353†	-59.0	8.6	6.00851	ug/L	6.00851	ug/L	07:49:37
1	Sb 217.584†	25.8	24.0	53.3965	ug/L	53.3965	ug/L	07:49:37
1	Se 196.026†	-17.7	-6.3	-34.0441	ug/L	-34.0441	ug/L	07:49:37
1	Si 251.611†	583.2	-1.1	-1.18601	ug/L	-1.18601	ug/L	07:49:37
1	Sn 189.927†	0.9	3.7	12.4797	ug/L	12.4797	ug/L	07:49:37
1	Sr 407.771†	1585.6	35.0	0.799853	ug/L	0.799853	ug/L	07:49:17
1	Ti 334.946†	1420.9	51.9	2.13491	ug/L	2.13491	ug/L	07:49:17
1	Tl 190.801†	0.1	0.9	9.70844	ug/L	9.70844	ug/L	07:49:37
1	V 292.395†	-124.6	-13.3	1.59778	ug/L	1.59778	ug/L	07:49:17
1	Zn 206.200†	50.1	11.3	-1.23449	ug/L	-1.23449	ug/L	07:49:37
2	Sc 357.234	525232.6	525232.6	100.5	%			07:49:43
2	Y 371.029	647626.1	647626.1	100.6	%			07:49:43
2	Ag 328.068†	-337.8	36.0	1.83069	ug/L	1.83069	ug/L	07:49:43
2	Al 396.146†	695.5	155.0	-6.61017	ug/L	-6.61017	ug/L	07:49:43

2	As 188.979†	7.8	-1.3	6.08639 ug/L	6.08639 ug/L	07:50:04
2	B 249.769†	679.0	247.6	-0.287770 ug/L	-0.287770 ug/L	07:50:04
2	Ba 455.403†	119.8	-65.7	0.928490 ug/L	0.928490 ug/L	07:49:43
2	Be 234.863†	146.7	-1.0	0.176749 ug/L	0.176749 ug/L	07:50:04
2	Ca 315.874†	215.8	7.6	-0.0126798 mg/L	-0.0126798 mg/L	07:49:43
2	Cd 214.436†	-49.9	-0.6	1.43180 ug/L	1.43180 ug/L	07:50:04
2	Ce 413.764†	76.7	10.8	1.42929 ug/L	1.42929 ug/L	07:49:43
2	Co 228.616†	-12.9	26.9	3.55740 ug/L	3.55740 ug/L	07:50:04
2	Cr 205.563†	41.8	-5.9	1.38347 ug/L	1.38347 ug/L	07:50:04
2	Cu 324.741†	-143.6	-2.7	2.31349 ug/L	2.31349 ug/L	07:49:43
2	Fe 238.204†	104.7	10.1	3.32743 ug/L	3.32743 ug/L	07:50:04
2	K 766.490†	3219.1	-263.2	-0.0417619 mg/L	-0.0417619 mg/L	07:49:43
2	Li 670.784†	2633.9	51.8	1.54291 ug/L	1.54291 ug/L	07:49:43
2	Mg 279.071†	105.2	4.8	0.0121913 mg/L	0.0121913 mg/L	07:50:04
2	Mn 257.610†	74.2	14.7	1.50092 ug/L	1.50092 ug/L	07:50:04
2	Mo 202.031†	19.7	18.5	5.96070 ug/L	5.96070 ug/L	07:50:04
2	Na 589.592†	1151.8	41.5	0.0105628 mg/L	0.0105628 mg/L	07:49:43
2	Ni 231.604†	-23.8	-6.5	1.48571 ug/L	1.48571 ug/L	07:50:04
2	Pb 220.353†	-60.2	7.6	5.29655 ug/L	5.29655 ug/L	07:50:04
2	Sb 217.584†	17.4	15.5	34.4720 ug/L	34.4720 ug/L	07:50:04
2	Se 196.026†	-15.0	-3.5	-26.3458 ug/L	-26.3458 ug/L	07:50:04
2	Si 251.611†	570.2	-16.2	-3.49930 ug/L	-3.49930 ug/L	07:50:04
2	Sn 189.927†	-1.1	1.8	7.54018 ug/L	7.54018 ug/L	07:50:04
2	Sr 407.771†	1576.8	20.4	0.789646 ug/L	0.789646 ug/L	07:49:43
2	Ti 334.946†	1472.6	98.2	2.37140 ug/L	2.37140 ug/L	07:49:43
2	Tl 190.801†	2.0	2.8	21.6472 ug/L	21.6472 ug/L	07:50:04
2	V 292.395†	-69.4	42.1	3.06271 ug/L	3.06271 ug/L	07:49:43
2	Zn 206.200†	36.3	-2.6	-3.52452 ug/L	-3.52452 ug/L	07:50:04

Mean Data: 2D16001-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	524271.0	100.3	%	0.26				0.26%
Y 371.029	646388.8	100.4	%	0.27				0.27%
Ag 328.068†	14.2	1.27837	ug/L	0.781101	1.27837	ug/L	0.781101	61.10%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	131.6	-8.17160	ug/L	2.208201	-8.17160	ug/L	2.208201	27.02%
QC value within limits for Al 396.146 Recovery = Not calculated								
As 188.979†	-0.7	7.98364	ug/L	2.683114	7.98364	ug/L	2.683114	33.61%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	249.7	-0.234343	ug/L	0.0755572	-0.234343	ug/L	0.0755572	32.24%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	-52.6	0.955549	ug/L	0.0382685	0.955549	ug/L	0.0382685	4.00%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	8.9	0.212556	ug/L	0.0506389	0.212556	ug/L	0.0506389	23.82%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	19.1	-0.0119401	mg/L	0.00104604	-0.0119401	mg/L	0.00104604	8.76%
QC value within limits for Ca 315.874 Recovery = Not calculated								
Cd 214.436†	-2.7	1.30594	ug/L	0.178004	1.30594	ug/L	0.178004	13.63%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	28.5	3.75488	ug/L	3.288886	3.75488	ug/L	3.288886	87.59%
Co 228.616†	18.7	2.35623	ug/L	1.698712	2.35623	ug/L	1.698712	72.09%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	-8.9	0.841894	ug/L	0.7659068	0.841894	ug/L	0.7659068	90.97%
QC value within limits for Cr 205.563 Recovery = Not calculated								
Cu 324.741†	-0.5	2.47171	ug/L	0.223757	2.47171	ug/L	0.223757	9.05%
QC value within limits for Cu 324.741 Recovery = Not calculated								
Fe 238.204†	21.9	4.17985	ug/L	1.205507	4.17985	ug/L	1.205507	28.84%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-106.1	-0.0136006	mg/L	0.03982604	-0.0136006	mg/L	0.03982604	292.82%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	64.5	1.59770	ug/L	0.077481	1.59770	ug/L	0.077481	4.85%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	10.0	0.0138842	mg/L	0.00239403	0.0138842	mg/L	0.00239403	17.24%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	27.5	1.58523	ug/L	0.119226	1.58523	ug/L	0.119226	7.52%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	12.7	4.04661	ug/L	2.706934	4.04661	ug/L	2.706934	66.89%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	45.2	0.0108953	mg/L	0.00047028	0.0108953	mg/L	0.00047028	4.32%
QC value within limits for Na 589.592 Recovery = Not calculated								

Ni 231.604†	1.3	2.38180 ug/L	1.267261	2.38180 ug/L	1.267261	53.21%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	8.1	5.65253 ug/L	0.503434	5.65253 ug/L	0.503434	8.91%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	19.7	43.9343 ug/L	13.38164	43.9343 ug/L	13.38164	30.46%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	-4.9	-30.1950 ug/L	5.44352	-30.1950 ug/L	5.44352	18.03%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	-8.6	-2.34265 ug/L	1.635742	-2.34265 ug/L	1.635742	69.82%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	2.7	10.0099 ug/L	3.49278	10.0099 ug/L	3.49278	34.89%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	27.7	0.794750 ug/L	0.0072176	0.794750 ug/L	0.0072176	0.91%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.946†	75.0	2.25315 ug/L	0.167221	2.25315 ug/L	0.167221	7.42%
QC value within limits for Ti 334.946 Recovery = Not calculated						
Tl 190.801†	1.8	15.6778 ug/L	8.44199	15.6778 ug/L	8.44199	53.85%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	14.4	2.33024 ug/L	1.035866	2.33024 ug/L	1.035866	44.45%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	4.4	-2.37950 ug/L	1.619297	-2.37950 ug/L	1.619297	68.05%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: 2D16001-CRL1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 4/16/2012 7:51:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-CRL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	521221.1	521221.1	99.75	%			07:52:29
1	Y 371.029	642639.2	642639.2	99.80	%			07:52:29
1	Ag 328.068†	46.7	418.8	11.6745	ug/L	11.6745	ug/L	07:52:29
1	Al 396.146†	2704.6	2174.3	153.599	ug/L	153.599	ug/L	07:52:29
1	As 188.979†	72.0	63.1	205.556	ug/L	205.556	ug/L	07:52:50
1	B 249.769†	4515.7	4098.9	102.209	ug/L	102.209	ug/L	07:52:29
1	Ba 455.403†	9933.8	9773.3	20.9532	ug/L	20.9532	ug/L	07:52:29
1	Be 234.863†	678.6	533.3	2.11267	ug/L	2.11267	ug/L	07:52:50
1	Ca 315.874†	17420.1	17255.8	1.09501	mg/L	1.09501	mg/L	07:52:29
1	Cd 214.436†	117.5	166.7	11.5722	ug/L	11.5722	ug/L	07:52:50
1	Ce 413.764†	80.7	15.5	2.01570	ug/L	2.01570	ug/L	07:52:29
1	Co 228.616†	107.0	146.9	21.0830	ug/L	21.0830	ug/L	07:52:50
1	Cr 205.563†	170.5	123.4	24.8212	ug/L	24.8212	ug/L	07:52:50
1	Cu 324.741†	119.5	259.9	21.5958	ug/L	21.5958	ug/L	07:52:29
1	Fe 238.204†	418.2	325.2	26.0553	ug/L	26.0553	ug/L	07:52:50
1	K 766.490†	4544.1	1089.7	0.200831	mg/L	0.200831	mg/L	07:52:29
1	Li 670.784†	6275.3	3722.4	17.5170	ug/L	17.5170	ug/L	07:52:29
1	Mg 279.071†	3112.9	3020.7	0.983361	mg/L	0.983361	mg/L	07:52:29
1	Mn 257.610†	3051.4	2999.8	21.3766	ug/L	21.3766	ug/L	07:52:29
1	Mo 202.031†	612.6	613.0	200.097	ug/L	200.097	ug/L	07:52:50
1	Na 589.592†	12376.8	11302.8	0.999628	mg/L	0.999628	mg/L	07:52:29
1	Ni 231.604†	148.0	165.6	21.8047	ug/L	21.8047	ug/L	07:52:50
1	Pb 220.353†	60.2	127.9	94.9312	ug/L	94.9312	ug/L	07:52:50
1	Sb 217.584†	103.3	101.8	233.231	ug/L	233.231	ug/L	07:52:50
1	Se 196.026†	71.6	83.3	215.130	ug/L	215.130	ug/L	07:52:50
1	Si 251.611†	1862.7	1283.8	179.147	ug/L	179.147	ug/L	07:52:50
1	Sn 189.927†	75.3	78.3	200.299	ug/L	200.299	ug/L	07:52:50
1	Sr 407.771†	210005.7	208973.4	100.709	ug/L	100.709	ug/L	07:52:29
1	Ti 334.946†	39296.2	38025.9	196.223	ug/L	196.223	ug/L	07:52:29
1	Tl 190.801†	26.2	27.0	177.659	ug/L	177.659	ug/L	07:52:50
1	V 292.395†	555.0	667.6	20.7847	ug/L	20.7847	ug/L	07:52:29
1	Zn 206.200†	181.5	143.3	20.2796	ug/L	20.2796	ug/L	07:52:50
2	Sc 357.234	514818.3	514818.3	98.53	%			07:52:56
2	Y 371.029	633210.7	633210.7	98.33	%			07:52:56
2	Ag 328.068†	15.3	387.5	10.8815	ug/L	10.8815	ug/L	07:52:56
2	Al 396.146†	2654.8	2157.5	152.417	ug/L	152.417	ug/L	07:52:56
2	As 188.979†	72.1	64.1	208.616	ug/L	208.616	ug/L	07:53:16

2	B 249.769†	4564.5	4204.8	105.030 ug/L	105.030 ug/L	07:52:56
2	Ba 455.403†	9928.4	9891.7	21.1947 ug/L	21.1947 ug/L	07:52:56
2	Be 234.863†	679.2	542.5	2.14600 ug/L	2.14600 ug/L	07:53:16
2	Ca 315.874†	17447.0	17500.3	1.11071 mg/L	1.11071 mg/L	07:52:56
2	Cd 214.436†	107.1	157.6	11.0205 ug/L	11.0205 ug/L	07:53:16
2	Ce 413.764†	100.1	36.1	4.73542 ug/L	4.73542 ug/L	07:52:56
2	Co 228.616†	98.1	139.3	19.9667 ug/L	19.9667 ug/L	07:53:16
2	Cr 205.563†	146.2	100.8	20.7121 ug/L	20.7121 ug/L	07:53:16
2	Cu 324.741†	104.6	246.3	20.6205 ug/L	20.6205 ug/L	07:52:56
2	Fe 238.204†	390.2	302.0	24.3828 ug/L	24.3828 ug/L	07:53:16
2	K 766.490†	4430.5	1031.1	0.190312 mg/L	0.190312 mg/L	07:52:56
2	Li 670.784†	6407.8	3935.1	18.4423 ug/L	18.4423 ug/L	07:52:56
2	Mg 279.071†	3153.2	3100.3	1.00900 mg/L	1.00900 mg/L	07:52:56
2	Mn 257.610†	3139.1	3126.8	22.2219 ug/L	22.2219 ug/L	07:52:56
2	Mo 202.031†	621.0	629.2	205.383 ug/L	205.383 ug/L	07:53:16
2	Na 589.592†	12454.1	11535.6	1.02007 mg/L	1.02007 mg/L	07:52:56
2	Ni 231.604†	145.3	164.7	21.7109 ug/L	21.7109 ug/L	07:53:16
2	Pb 220.353†	77.9	146.6	108.834 ug/L	108.834 ug/L	07:53:16
2	Sb 217.584†	98.0	97.7	224.175 ug/L	224.175 ug/L	07:53:16
2	Se 196.026†	56.4	68.7	174.618 ug/L	174.618 ug/L	07:53:16
2	Si 251.611†	1893.1	1337.9	187.036 ug/L	187.036 ug/L	07:53:16
2	Sn 189.927†	74.8	78.7	201.266 ug/L	201.266 ug/L	07:53:16
2	Sr 407.771†	210209.5	211798.5	102.061 ug/L	102.061 ug/L	07:52:56
2	Ti 334.946†	39497.7	38720.3	199.772 ug/L	199.772 ug/L	07:52:56
2	Tl 190.801†	26.7	27.9	183.052 ug/L	183.052 ug/L	07:53:16
2	V 292.395†	573.6	693.3	21.4946 ug/L	21.4946 ug/L	07:52:56
2	Zn 206.200†	164.9	128.8	17.8987 ug/L	17.8987 ug/L	07:53:16

Mean Data: 2D16001-CRL1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	518019.7	99.14	%	0.866				0.87%
Y 371.029	637924.9	99.07	%	1.035				1.05%
Ag 328.068†	403.1	11.2780	ug/L	0.56071	11.2780	ug/L	0.56071	4.97%
QC value within limits for Ag 328.068 Recovery = 112.78%								
Al 396.146†	2165.9	153.008	ug/L	0.8356	153.008	ug/L	0.8356	0.55%
QC value greater than the upper limit for Al 396.146 Recovery = 153.01%								
As 188.979†	63.6	207.086	ug/L	2.1633	207.086	ug/L	2.1633	1.04%
QC value within limits for As 188.979 Recovery = 103.54%								
B 249.769†	4151.8	103.620	ug/L	1.9952	103.620	ug/L	1.9952	1.93%
QC value within limits for B 249.769 Recovery = 103.62%								
Ba 455.403†	9832.5	21.0739	ug/L	0.17078	21.0739	ug/L	0.17078	0.81%
QC value within limits for Ba 455.403 Recovery = 105.37%								
Be 234.863†	537.9	2.12933	ug/L	0.023572	2.12933	ug/L	0.023572	1.11%
QC value within limits for Be 234.863 Recovery = 106.47%								
Ca 315.874†	17378.1	1.10286	mg/L	0.011102	1.10286	mg/L	0.011102	1.01%
QC value within limits for Ca 315.874 Recovery = 110.29%								
Cd 214.436†	162.2	11.2963	ug/L	0.39011	11.2963	ug/L	0.39011	3.45%
QC value within limits for Cd 214.436 Recovery = 112.96%								
Ce 413.764†	25.8	3.37556	ug/L	1.923133	3.37556	ug/L	1.923133	56.97%
Co 228.616†	143.1	20.5248	ug/L	0.78934	20.5248	ug/L	0.78934	3.85%
QC value within limits for Co 228.616 Recovery = 102.62%								
Cr 205.563†	112.1	22.7666	ug/L	2.90558	22.7666	ug/L	2.90558	12.76%
QC value within limits for Cr 205.563 Recovery = 113.83%								
Cu 324.741†	253.1	21.1082	ug/L	0.68965	21.1082	ug/L	0.68965	3.27%
QC value within limits for Cu 324.741 Recovery = 105.54%								
Fe 238.204†	313.6	25.2190	ug/L	1.18258	25.2190	ug/L	1.18258	4.69%
QC value within limits for Fe 238.204 Recovery = 126.10%								
K 766.490†	1060.4	0.195571	mg/L	0.0074384	0.195571	mg/L	0.0074384	3.80%
QC value within limits for K 766.490 Recovery = 97.79%								
Li 670.784†	3828.8	17.9797	ug/L	0.65431	17.9797	ug/L	0.65431	3.64%
QC value within limits for Li 670.784 Recovery = 112.37%								
Mg 279.071†	3060.5	0.996181	mg/L	0.0181308	0.996181	mg/L	0.0181308	1.82%
QC value within limits for Mg 279.071 Recovery = 99.62%								
Mn 257.610†	3063.3	21.7992	ug/L	0.59767	21.7992	ug/L	0.59767	2.74%
QC value within limits for Mn 257.610 Recovery = 109.00%								
Mo 202.031†	621.1	202.740	ug/L	3.7381	202.740	ug/L	3.7381	1.84%
QC value within limits for Mo 202.031 Recovery = 101.37%								
Na 589.592†	11419.2	1.00985	mg/L	0.014455	1.00985	mg/L	0.014455	1.43%
QC value within limits for Na 589.592 Recovery = 100.98%								
Ni 231.604†	165.1	21.7578	ug/L	0.06634	21.7578	ug/L	0.06634	0.30%

	QC value within limits for Ni 231.604 Recovery = 108.79%						
Pb 220.353†		137.2	101.883 ug/L	9.8307	101.883 ug/L	9.8307	9.65%
	QC value within limits for Pb 220.353 Recovery = 101.88%						
Sb 217.584†		99.7	228.703 ug/L	6.4038	228.703 ug/L	6.4038	2.80%
	QC value within limits for Sb 217.584 Recovery = 114.35%						
Se 196.026†		76.0	194.874 ug/L	28.6464	194.874 ug/L	28.6464	14.70%
	QC value within limits for Se 196.026 Recovery = 97.44%						
Si 251.611†		1310.9	183.092 ug/L	5.5784	183.092 ug/L	5.5784	3.05%
	QC value within limits for Si 251.611 Recovery = 91.55%						
Sn 189.927†		78.5	200.783 ug/L	0.6842	200.783 ug/L	0.6842	0.34%
	QC value within limits for Sn 189.927 Recovery = 100.39%						
Sr 407.771†		210385.9	101.385 ug/L	0.9566	101.385 ug/L	0.9566	0.94%
	QC value within limits for Sr 407.771 Recovery = 101.39%						
Ti 334.946†		38373.1	197.998 ug/L	2.5097	197.998 ug/L	2.5097	1.27%
	QC value within limits for Ti 334.946 Recovery = 99.00%						
Tl 190.801†		27.5	180.355 ug/L	3.8131	180.355 ug/L	3.8131	2.11%
	QC value within limits for Tl 190.801 Recovery = 90.18%						
V 292.395†		680.4	21.1397 ug/L	0.50199	21.1397 ug/L	0.50199	2.37%
	QC value within limits for V 292.395 Recovery = 105.70%						
Zn 206.200†		136.0	19.0891 ug/L	1.68356	19.0891 ug/L	1.68356	8.82%
	QC value within limits for Zn 206.200 Recovery = 95.45%						

QC Failed. Continue with analysis.

Sequence No.: 10
Sample ID: 2D16001-IFA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 4/16/2012 7:54:32 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-IFA1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	519622.7	519622.7	99.45	%			07:55:42
1	Y 371.029	640836.9	640836.9	99.52	%			07:55:42
1	Ag 328.068†	-438.7	-69.2	-0.817187	ug/L	-0.817187	ug/L	07:55:47
1	Al 396.146†	1184178.8	1190202.8	97792.0	ug/L	97792.0	ug/L	07:55:42
1	As 188.979†	49.7	41.0	13.9447	ug/L	13.9447	ug/L	07:56:08
1	B 249.769†	2739.6	2326.9	0.186101	ug/L	0.186101	ug/L	07:55:47
1	Ba 455.403†	327.5	144.5	1.35926	ug/L	1.35926	ug/L	07:55:47
1	Be 234.863†	1126.3	985.7	0.240200	ug/L	0.240200	ug/L	07:55:47
1	Ca 315.874†	1477075.6	1485052.3	95.3578	mg/L	95.3578	mg/L	07:55:42
1	Cd 214.436†	34.6	83.7	-1.05835	ug/L	-1.05835	ug/L	07:56:08
1	Ce 413.764†	188.5	124.1	16.4157	ug/L	16.4157	ug/L	07:55:47
1	Co 228.616†	-24.8	14.7	0.641168	ug/L	0.641168	ug/L	07:56:08
1	Cr 205.563†	25.6	-21.8	-5.15917	ug/L	-5.15917	ug/L	07:56:08
1	Cu 324.741†	-195.1	-56.1	2.86873	ug/L	2.86873	ug/L	07:55:47
1	Fe 238.204†	518645.1	521424.6	37619.0	ug/L	37619.0	ug/L	07:55:42
1	K 766.490†	3346.5	-100.5	-0.0125961	mg/L	-0.0125961	mg/L	07:55:47
1	Li 670.784†	2732.1	178.9	2.09429	ug/L	2.09429	ug/L	07:55:47
1	Mg 279.071†	299261.8	300819.9	96.8792	mg/L	96.8792	mg/L	07:55:42
1	Mn 257.610†	156.1	97.9	2.06150	ug/L	2.06150	ug/L	07:55:47
1	Mo 202.031†	110.2	109.7	12.1056	ug/L	12.1056	ug/L	07:56:08
1	Na 589.592†	1391.0	294.3	0.0327659	mg/L	0.0327659	mg/L	07:55:47
1	Ni 231.604†	-50.8	-33.9	-1.62966	ug/L	-1.62966	ug/L	07:56:08
1	Pb 220.353†	-80.1	-13.0	2.92880	ug/L	2.92880	ug/L	07:56:08
1	Sb 217.584†	17.4	15.7	35.7587	ug/L	35.7587	ug/L	07:56:08
1	Se 196.026†	9.7	21.2	7.89625	ug/L	7.89625	ug/L	07:56:08
1	Si 251.611†	693.5	114.0	16.9545	ug/L	16.9545	ug/L	07:56:08
1	Sn 189.927†	-7.8	-5.0	19.6186	ug/L	19.6186	ug/L	07:56:08
1	Sr 407.771†	2026.7	489.7	-8.44472	ug/L	-8.44472	ug/L	07:55:47
1	Ti 334.946†	-2059.3	-3437.6	-15.7000	ug/L	-15.7000	ug/L	07:55:47
1	Tl 190.801†	-1.8	-1.0	-2.62482	ug/L	-2.62482	ug/L	07:56:08
1	V 292.395†	118.5	230.4	4.07195	ug/L	4.07195	ug/L	07:55:47
1	Zn 206.200†	100.7	62.6	-1.57230	ug/L	-1.57230	ug/L	07:56:08
2	Sc 357.234	517183.6	517183.6	98.98	%			07:56:14
2	Y 371.029	637798.5	637798.5	99.05	%			07:56:14
2	Ag 328.068†	-537.5	-171.0	-3.42709	ug/L	-3.42709	ug/L	07:56:20
2	Al 396.146†	1186506.3	1198169.7	98446.9	ug/L	98446.9	ug/L	07:56:14
2	As 188.979†	60.4	52.0	47.8519	ug/L	47.8519	ug/L	07:56:40
2	B 249.769†	2700.6	2300.5	-0.882212	ug/L	-0.882212	ug/L	07:56:20

2	Ba 455.403†	331.8	150.4	1.37158 ug/L	1.37158 ug/L	07:56:20
2	Be 234.863†	1092.2	956.5	0.111195 ug/L	0.111195 ug/L	07:56:20
2	Ca 315.874†	1478484.6	1493480.2	95.8991 mg/L	95.8991 mg/L	07:56:14
2	Cd 214.436†	51.7	101.2	-0.0516996 ug/L	-0.0516996 ug/L	07:56:40
2	Ce 413.764†	198.3	134.9	17.8422 ug/L	17.8422 ug/L	07:56:20
2	Co 228.616†	-23.5	15.9	0.810338 ug/L	0.810338 ug/L	07:56:40
2	Cr 205.563†	28.6	-18.7	-4.61982 ug/L	-4.61982 ug/L	07:56:40
2	Cu 324.741†	-221.3	-83.5	0.919709 ug/L	0.919709 ug/L	07:56:20
2	Fe 238.204†	519640.4	524889.6	37869.0 ug/L	37869.0 ug/L	07:56:14
2	K 766.490†	3270.4	-161.5	-0.0235335 mg/L	-0.0235335 mg/L	07:56:20
2	Li 670.784†	2641.7	100.5	1.75300 ug/L	1.75300 ug/L	07:56:20
2	Mg 279.071†	299441.1	302420.2	97.3946 mg/L	97.3946 mg/L	07:56:14
2	Mn 257.610†	208.2	151.2	2.41577 ug/L	2.41577 ug/L	07:56:20
2	Mo 202.031†	113.2	113.3	13.1423 ug/L	13.1423 ug/L	07:56:40
2	Na 589.592†	1410.5	320.6	0.0350806 mg/L	0.0350806 mg/L	07:56:20
2	Ni 231.604†	-58.7	-42.1	-2.57288 ug/L	-2.57288 ug/L	07:56:40
2	Pb 220.353†	-73.9	-7.1	7.35399 ug/L	7.35399 ug/L	07:56:40
2	Sb 217.584†	11.7	10.1	22.9997 ug/L	22.9997 ug/L	07:56:40
2	Se 196.026†	9.7	21.3	7.75744 ug/L	7.75744 ug/L	07:56:40
2	Si 251.611†	699.3	123.0	18.3581 ug/L	18.3581 ug/L	07:56:40
2	Sn 189.927†	-10.6	-7.9	12.6906 ug/L	12.6906 ug/L	07:56:40
2	Sr 407.771†	2014.7	487.2	-8.49860 ug/L	-8.49860 ug/L	07:56:20
2	Ti 334.946†	-2185.9	-3575.2	-16.4036 ug/L	-16.4036 ug/L	07:56:20
2	Tl 190.801†	-4.5	-3.7	-19.7075 ug/L	-19.7075 ug/L	07:56:40
2	V 292.395†	79.1	191.1	3.04109 ug/L	3.04109 ug/L	07:56:20
2	Zn 206.200†	116.3	78.9	1.05055 ug/L	1.05055 ug/L	07:56:40

Mean Data: 2D16001-IFA1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	518403.1	99.22	%	0.330				0.33%
Y 371.029	639317.7	99.28	%	0.334				0.34%
Ag 328.068†	-120.1	-2.12214	ug/L	1.845479	-2.12214	ug/L	1.845479	86.96%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	1194186.3	98119.4	ug/L	463.09	98119.4	ug/L	463.09	0.47%
QC value within limits for Al 396.146 Recovery = 98.12%								
As 188.979†	46.5	30.8983	ug/L	23.97602	30.8983	ug/L	23.97602	77.60%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	2313.7	-0.348056	ug/L	0.7554113	-0.348056	ug/L	0.7554113	217.04%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	147.4	1.36542	ug/L	0.008709	1.36542	ug/L	0.008709	0.64%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	971.1	0.175698	ug/L	0.0912205	0.175698	ug/L	0.0912205	51.92%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	1489266.2	95.6284	mg/L	0.38272	95.6284	mg/L	0.38272	0.40%
QC value within limits for Ca 315.874 Recovery = 95.63%								
Cd 214.436†	92.5	-0.555027	ug/L	0.7118123	-0.555027	ug/L	0.7118123	128.25%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	129.5	17.1290	ug/L	1.00868	17.1290	ug/L	1.00868	5.89%
Co 228.616†	15.3	0.725753	ug/L	0.1196213	0.725753	ug/L	0.1196213	16.48%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	-20.2	-4.88950	ug/L	0.381381	-4.88950	ug/L	0.381381	7.80%
QC value within limits for Cr 205.563 Recovery = Not calculated								
Cu 324.741†	-69.8	1.89422	ug/L	1.378164	1.89422	ug/L	1.378164	72.76%
QC value within limits for Cu 324.741 Recovery = Not calculated								
Fe 238.204†	523157.1	37744.0	ug/L	176.76	37744.0	ug/L	176.76	0.47%
QC value within limits for Fe 238.204 Recovery = 94.36%								
K 766.490†	-131.0	-0.0180648	mg/L	0.00773390	-0.0180648	mg/L	0.00773390	42.81%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	139.7	1.92365	ug/L	0.241328	1.92365	ug/L	0.241328	12.55%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	301620.0	97.1369	mg/L	0.36439	97.1369	mg/L	0.36439	0.38%
QC value within limits for Mg 279.071 Recovery = 97.14%								
Mn 257.610†	124.5	2.23863	ug/L	0.250511	2.23863	ug/L	0.250511	11.19%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	111.5	12.6239	ug/L	0.73310	12.6239	ug/L	0.73310	5.81%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	307.4	0.0339232	mg/L	0.00163678	0.0339232	mg/L	0.00163678	4.82%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-38.0	-2.10127	ug/L	0.666958	-2.10127	ug/L	0.666958	31.74%
QC value within limits for Ni 231.604 Recovery = Not calculated								

Pb 220.353†	-10.0	5.14140 ug/L	3.129077	5.14140 ug/L	3.129077	60.86%	
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 217.584†	12.9	29.3792 ug/L	9.02203	29.3792 ug/L	9.02203	30.71%	
QC value within limits for Sb 217.584 Recovery = Not calculated							
Se 196.026†	21.3	7.82685 ug/L	0.098154	7.82685 ug/L	0.098154	1.25%	
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	118.5	17.6563 ug/L	0.99248	17.6563 ug/L	0.99248	5.62%	
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	-6.4	16.1546 ug/L	4.89880	16.1546 ug/L	4.89880	30.32%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	488.4	-8.47166 ug/L	0.038102	-8.47166 ug/L	0.038102	0.45%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.946†	-3506.4	-16.0518 ug/L	0.49749	-16.0518 ug/L	0.49749	3.10%	
QC value within limits for Ti 334.946 Recovery = Not calculated							
Tl 190.801†	-2.4	-11.1662 ug/L	12.07931	-11.1662 ug/L	12.07931	108.18%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	210.7	3.55652 ug/L	0.728925	3.55652 ug/L	0.728925	20.50%	
QC value within limits for V 292.395 Recovery = Not calculated							
Zn 206.200†	70.7	-0.260876 ug/L	1.8546332	-0.260876 ug/L	1.8546332	710.93%	
QC value within limits for Zn 206.200 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: 2D16001-IFA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 4/16/2012 8:00:55 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-IFA2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	517412.5	517412.5	99.03	%			08:02:09
1	Y 371.029	642618.8	642618.8	99.80	%			08:02:09
1	Ag 328.068†	-758.5	-394.0	6.71469	ug/L	6.71469	ug/L	08:02:14
1	Al 396.146†	747.8	218.2	-0.969253	ug/L	-0.969253	ug/L	08:02:14
1	As 188.979†	13.5	4.6	-1.09292	ug/L	-1.09292	ug/L	08:02:34
1	B 249.769†	870.5	451.2	5.10997	ug/L	5.10997	ug/L	08:02:34
1	Ba 455.403†	-269.5	-457.0	0.514419	ug/L	0.514419	ug/L	08:02:14
1	Be 234.863†	199.8	54.9	-0.136817	ug/L	-0.136817	ug/L	08:02:34
1	Ca 315.874†	485.2	283.0	0.0050048	mg/L	0.0050048	mg/L	08:02:14
1	Cd 214.436†	-180.3	-133.1	-0.588902	ug/L	-0.588902	ug/L	08:02:34
1	Ce 413.764†	82.5	17.8	9.43073	ug/L	9.43073	ug/L	08:02:14
1	Co 228.616†	245.2	287.4	0.394831	ug/L	0.394831	ug/L	08:02:34
1	Cr 205.563†	106000.4	106995.5	19484.6	ug/L	19484.6	ug/L	08:02:14
1	Cu 324.741†	272536.7	275357.3	19917.1	ug/L	19917.1	ug/L	08:02:09
1	Fe 238.204†	307.5	216.5	4.17572	ug/L	4.17572	ug/L	08:02:34
1	K 766.490†	3616.9	186.9	0.0389465	mg/L	0.0389465	mg/L	08:02:14
1	Li 670.784†	2703.3	161.6	2.02043	ug/L	2.02043	ug/L	08:02:14
1	Mg 279.071†	107.7	8.8	0.0134895	mg/L	0.0134895	mg/L	08:02:14
1	Mn 257.610†	2964747.5	2993848.7	19891.3	ug/L	19891.3	ug/L	08:02:09
1	Mo 202.031†	-8.7	-9.9	0.652613	ug/L	0.652613	ug/L	08:02:34
1	Na 589.592†	1362.8	271.8	0.0307948	mg/L	0.0307948	mg/L	08:02:14
1	Ni 231.604†	165769.6	167417.2	19434.1	ug/L	19434.1	ug/L	08:02:14
1	Pb 220.353†	-50.6	16.4	11.7662	ug/L	11.7662	ug/L	08:02:34
1	Sb 217.584†	141.1	140.8	30.9616	ug/L	30.9616	ug/L	08:02:34
1	Se 196.026†	0.8	12.2	9.87748	ug/L	9.87748	ug/L	08:02:34
1	Si 251.611†	6927.0	6411.7	-226.953	ug/L	-226.953	ug/L	08:02:14
1	Sn 189.927†	-5.6	-2.8	-3.91086	ug/L	-3.91086	ug/L	08:02:34
1	Sr 407.771†	-136.0	-1685.6	-0.0281189	ug/L	-0.0281189	ug/L	08:02:14
1	Ti 334.946†	3820058.1	3856264.2	19711.6	ug/L	19711.6	ug/L	08:02:09
1	Tl 190.801†	-8.3	-7.6	3.15904	ug/L	3.15904	ug/L	08:02:34
1	V 292.395†	746504.6	753958.2	19467.9	ug/L	19467.9	ug/L	08:02:09
1	Zn 206.200†	199.9	163.2	3.48164	ug/L	3.48164	ug/L	08:02:14
2	Sc 357.234	513618.6	513618.6	98.30	%			08:02:43
2	Y 371.029	637362.5	637362.5	98.98	%			08:02:43
2	Ag 328.068†	-828.5	-470.9	4.77201	ug/L	4.77201	ug/L	08:02:49
2	Al 396.146†	721.5	197.0	-2.46980	ug/L	-2.46980	ug/L	08:02:49
2	As 188.979†	15.2	6.5	4.39096	ug/L	4.39096	ug/L	08:03:09
2	B 249.769†	868.7	455.9	5.23381	ug/L	5.23381	ug/L	08:03:09
2	Ba 455.403†	-23.9	-209.1	1.01994	ug/L	1.01994	ug/L	08:02:49

2	Be 234.863†	195.6	52.1	-0.153154 ug/L	-0.153154 ug/L	08:03:09
2	Ca 315.874†	482.7	284.0	0.0050705 mg/L	0.0050705 mg/L	08:02:49
2	Cd 214.436†	-188.7	-143.0	-1.22767 ug/L	-1.22767 ug/L	08:03:09
2	Ce 413.764†	96.2	32.4	11.3761 ug/L	11.3761 ug/L	08:02:49
2	Co 228.616†	228.8	272.4	-1.98933 ug/L	-1.98933 ug/L	08:03:09
2	Cr 205.563†	106745.2	108543.8	19766.6 ug/L	19766.6 ug/L	08:02:49
2	Cu 324.741†	271863.7	276705.6	20014.5 ug/L	20014.5 ug/L	08:02:43
2	Fe 238.204†	305.6	216.9	4.07453 ug/L	4.07453 ug/L	08:03:09
2	K 766.490†	3305.4	-103.0	-0.0130325 mg/L	-0.0130325 mg/L	08:02:49
2	Li 670.784†	2532.5	8.0	1.35173 ug/L	1.35173 ug/L	08:02:49
2	Mg 279.071†	47.9	-51.2	-0.0058253 mg/L	-0.0058253 mg/L	08:02:49
2	Mn 257.610†	2945614.0	2996499.2	19908.9 ug/L	19908.9 ug/L	08:02:43
2	Mo 202.031†	-7.9	-9.1	0.914054 ug/L	0.914054 ug/L	08:03:09
2	Na 589.592†	1287.2	205.0	0.0249302 mg/L	0.0249302 mg/L	08:02:49
2	Ni 231.604†	167111.8	170019.2	19736.2 ug/L	19736.2 ug/L	08:02:49
2	Pb 220.353†	-41.6	25.2	18.2463 ug/L	18.2463 ug/L	08:03:09
2	Sb 217.584†	143.2	143.9	33.9191 ug/L	33.9191 ug/L	08:03:09
2	Se 196.026†	8.2	19.8	30.9312 ug/L	30.9312 ug/L	08:03:09
2	Si 251.611†	6917.5	6453.7	-222.909 ug/L	-222.909 ug/L	08:02:49
2	Sn 189.927†	-11.6	-9.0	-19.4372 ug/L	-19.4372 ug/L	08:03:09
2	Sr 407.771†	-221.5	-1773.6	-0.0688498 ug/L	-0.0688498 ug/L	08:02:49
2	Ti 334.946†	3799307.9	3863650.0	19749.3 ug/L	19749.3 ug/L	08:02:43
2	Tl 190.801†	-11.2	-10.6	-16.1685 ug/L	-16.1685 ug/L	08:03:09
2	V 292.395†	742203.5	755151.1	19498.6 ug/L	19498.6 ug/L	08:02:43
2	Zn 206.200†	192.5	157.2	2.21835 ug/L	2.21835 ug/L	08:02:49

Mean Data: 2D16001-IFA2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	515515.6	98.66	%	0.513				0.52%
Y 371.029	639990.6	99.39	%	0.577				0.58%
Ag 328.068†	-432.5	5.74335	ug/L	1.373686	5.74335	ug/L	1.373686	23.92%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	207.6	-1.71953	ug/L	1.061044	-1.71953	ug/L	1.061044	61.71%
QC value within limits for Al 396.146 Recovery = Not calculated								
As 188.979†	5.5	1.64902	ug/L	3.877690	1.64902	ug/L	3.877690	235.15%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	453.5	5.17189	ug/L	0.087562	5.17189	ug/L	0.087562	1.69%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	-333.0	0.767182	ug/L	0.3574600	0.767182	ug/L	0.3574600	46.59%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	53.5	-0.144986	ug/L	0.0115522	-0.144986	ug/L	0.0115522	7.97%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	283.5	0.0050376	mg/L	0.00004646	0.0050376	mg/L	0.00004646	0.92%
QC value within limits for Ca 315.874 Recovery = Not calculated								
Cd 214.436†	-138.0	-0.908285	ug/L	0.4516756	-0.908285	ug/L	0.4516756	49.73%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	25.1	10.4034	ug/L	1.37559	10.4034	ug/L	1.37559	13.22%
Co 228.616†	279.9	-0.797252	ug/L	1.6858595	-0.797252	ug/L	1.6858595	211.46%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	107769.6	19625.6	ug/L	199.36	19625.6	ug/L	199.36	1.02%
QC value within limits for Cr 205.563 Recovery = 98.13%								
Cu 324.741†	276031.5	19965.8	ug/L	68.87	19965.8	ug/L	68.87	0.34%
QC value within limits for Cu 324.741 Recovery = 99.83%								
Fe 238.204†	216.7	4.12512	ug/L	0.071553	4.12512	ug/L	0.071553	1.73%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	42.0	0.0129570	mg/L	0.03675474	0.0129570	mg/L	0.03675474	283.67%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	84.8	1.68608	ug/L	0.472844	1.68608	ug/L	0.472844	28.04%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-21.2	0.0038321	mg/L	0.01365766	0.0038321	mg/L	0.01365766	356.40%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	2995174.0	19900.1	ug/L	12.45	19900.1	ug/L	12.45	0.06%
QC value within limits for Mn 257.610 Recovery = 99.50%								
Mo 202.031†	-9.5	0.783334	ug/L	0.1848662	0.783334	ug/L	0.1848662	23.60%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	238.4	0.0278625	mg/L	0.00414688	0.0278625	mg/L	0.00414688	14.88%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	168718.2	19585.1	ug/L	213.61	19585.1	ug/L	213.61	1.09%
QC value within limits for Ni 231.604 Recovery = 97.93%								
Pb 220.353†	20.8	15.0063	ug/L	4.58212	15.0063	ug/L	4.58212	30.53%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 217.584†	142.3	32.4403 ug/L	2.09124	32.4403 ug/L	2.09124	6.45%
QC value within limits for Sb 217.584 Recovery = Not calculated							
Se 196.026†	16.0	20.4043 ug/L	14.88721	20.4043 ug/L	14.88721	72.96%
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	6432.7	-224.931 ug/L	2.8593	-224.931 ug/L	2.8593	1.27%
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	-5.9	-11.6740 ug/L	10.97875	-11.6740 ug/L	10.97875	94.04%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	-1729.6	-0.0484844 ug/L	0.02880111	-0.0484844 ug/L	0.02880111	59.40%
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.946†	3859957.1	19730.4 ug/L	26.69	19730.4 ug/L	26.69	0.14%
QC value within limits for Ti 334.946 Recovery = 98.65%							
Tl 190.801†	-9.1	-6.50475 ug/L	13.666665	-6.50475 ug/L	13.666665	210.10%
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	754554.6	19483.2 ug/L	21.75	19483.2 ug/L	21.75	0.11%
QC value within limits for V 292.395 Recovery = 97.42%							
Zn 206.200†	160.2	2.85000 ug/L	0.893283	2.85000 ug/L	0.893283	31.34%

QC value within limits for Zn 206.200 Recovery = Not calculated

All analyte(s) passed QC.

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Sequence No.: 12
Sample ID: 2D16001-IFB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 4/16/2012 8:07:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-IFB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	518883.4	518883.4	99.31	%			08:08:41
1	Y 371.029	639529.5	639529.5	99.32	%			08:08:41
1	Ag 328.068†	36956.8	37586.5	966.372	ug/L	966.372	ug/L	08:08:46
1	Al 396.146†	1163076.7	1170650.0	96186.8	ug/L	96186.8	ug/L	08:08:41
1	As 188.979†	65.8	57.3	66.6694	ug/L	66.6694	ug/L	08:09:06
1	B 249.769†	2588.8	2178.9	-2.84768	ug/L	-2.84768	ug/L	08:08:46
1	Ba 455.403†	236049.7	237510.9	484.456	ug/L	484.456	ug/L	08:08:41
1	Be 234.863†	14567.3	14522.0	49.3890	ug/L	49.3890	ug/L	08:08:46
1	Ca 315.874†	1447687.4	1457575.3	93.5932	mg/L	93.5932	mg/L	08:08:41
1	Cd 214.436†	15029.8	15183.6	914.470	ug/L	914.470	ug/L	08:08:46
1	Ce 413.764†	225.9	162.1	21.5975	ug/L	21.5975	ug/L	08:08:46
1	Co 228.616†	3176.1	3237.9	471.956	ug/L	471.956	ug/L	08:09:06
1	Cr 205.563†	2640.6	2611.5	474.032	ug/L	474.032	ug/L	08:09:06
1	Cu 324.741†	6494.0	6679.3	489.092	ug/L	489.092	ug/L	08:08:46
1	Fe 238.204†	509356.3	512814.0	36997.8	ug/L	36997.8	ug/L	08:08:41
1	K 766.490†	3596.5	156.0	0.0334015	mg/L	0.0334015	mg/L	08:08:46
1	Li 670.784†	3165.0	618.7	4.00792	ug/L	4.00792	ug/L	08:08:46
1	Mg 279.071†	292945.3	294888.2	94.9691	mg/L	94.9691	mg/L	08:08:41
1	Mn 257.610†	73155.6	73606.7	490.423	ug/L	490.423	ug/L	08:08:46
1	Mo 202.031†	95.7	95.3	7.95738	ug/L	7.95738	ug/L	08:09:06
1	Na 589.592†	1496.9	402.9	0.0423086	mg/L	0.0423086	mg/L	08:08:46
1	Ni 231.604†	7892.3	7964.5	926.147	ug/L	926.147	ug/L	08:08:46
1	Pb 220.353†	1169.9	1245.6	934.697	ug/L	934.697	ug/L	08:09:06
1	Sb 217.584†	26.5	24.9	49.3724	ug/L	49.3724	ug/L	08:09:06
1	Se 196.026†	3.2	14.7	-9.95804	ug/L	-9.95804	ug/L	08:09:06
1	Si 251.611†	758.5	180.4	26.7814	ug/L	26.7814	ug/L	08:09:06
1	Sn 189.927†	-16.5	-13.8	-2.99215	ug/L	-2.99215	ug/L	08:09:06
1	Sr 407.771†	2144.8	611.5	-8.20754	ug/L	-8.20754	ug/L	08:08:46
1	Ti 334.946†	-1815.1	-3194.6	-14.4580	ug/L	-14.4580	ug/L	08:08:46
1	Tl 190.801†	-11.7	-11.0	-67.2478	ug/L	-67.2478	ug/L	08:09:06
1	V 292.395†	18649.1	18890.3	486.154	ug/L	486.154	ug/L	08:08:46
1	Zn 206.200†	5900.9	5903.4	957.539	ug/L	957.539	ug/L	08:09:06
2	Sc 357.234	521606.1	521606.1	99.83	%			08:09:13
2	Y 371.029	643908.1	643908.1	100.00	%			08:09:13
2	Ag 328.068†	37005.1	37440.5	962.643	ug/L	962.643	ug/L	08:09:18
2	Al 396.146†	1170981.3	1172454.9	96335.9	ug/L	96335.9	ug/L	08:09:13
2	As 188.979†	61.0	52.0	49.9166	ug/L	49.9166	ug/L	08:09:39
2	B 249.769†	2694.1	2270.9	-0.512888	ug/L	-0.512888	ug/L	08:09:18
2	Ba 455.403†	237706.9	237930.2	485.310	ug/L	485.310	ug/L	08:09:13
2	Be 234.863†	14435.7	14313.6	48.6260	ug/L	48.6260	ug/L	08:09:18

2	Ca 315.874†	1457901.7	1460197.8	93.7616 mg/L	93.7616 mg/L	08:09:13
2	Cd 214.436†	15019.1	15093.8	909.013 ug/L	909.013 ug/L	08:09:18
2	Ce 413.764†	277.5	212.6	28.2451 ug/L	28.2451 ug/L	08:09:18
2	Co 228.616†	3191.4	3236.6	471.773 ug/L	471.773 ug/L	08:09:39
2	Cr 205.563†	2631.7	2588.7	469.863 ug/L	469.863 ug/L	08:09:39
2	Cu 324.741†	6549.8	6701.1	490.673 ug/L	490.673 ug/L	08:09:18
2	Fe 238.204†	513092.1	513878.9	37074.6 ug/L	37074.6 ug/L	08:09:13
2	K 766.490†	3465.6	5.9	0.0064950 mg/L	0.0064950 mg/L	08:09:18
2	Li 670.784†	2811.4	247.9	2.39341 ug/L	2.39341 ug/L	08:09:18
2	Mg 279.071†	295659.7	296067.4	95.3489 mg/L	95.3489 mg/L	08:09:13
2	Mn 257.610†	73105.5	73171.9	487.536 ug/L	487.536 ug/L	08:09:18
2	Mo 202.031†	112.5	111.6	13.1887 ug/L	13.1887 ug/L	08:09:39
2	Na 589.592†	1345.6	243.5	0.0283069 mg/L	0.0283069 mg/L	08:09:18
2	Ni 231.604†	7871.4	7902.1	918.919 ug/L	918.919 ug/L	08:09:18
2	Pb 220.353†	1211.8	1281.4	961.206 ug/L	961.206 ug/L	08:09:39
2	Sb 217.584†	23.2	21.5	41.7352 ug/L	41.7352 ug/L	08:09:39
2	Se 196.026†	18.0	29.4	31.1643 ug/L	31.1643 ug/L	08:09:39
2	Si 251.611†	750.0	167.8	24.8288 ug/L	24.8288 ug/L	08:09:39
2	Sn 189.927†	-11.1	-8.3	11.0145 ug/L	11.0145 ug/L	08:09:39
2	Sr 407.771†	2189.4	645.0	-8.20343 ug/L	-8.20343 ug/L	08:09:18
2	Ti 334.946†	-1746.8	-3116.6	-14.0594 ug/L	-14.0594 ug/L	08:09:18
2	Tl 190.801†	-7.7	-6.9	-41.2651 ug/L	-41.2651 ug/L	08:09:39
2	V 292.395†	18578.3	18721.3	481.827 ug/L	481.827 ug/L	08:09:18
2	Zn 206.200†	5889.6	5861.1	950.571 ug/L	950.571 ug/L	08:09:39

Mean Data: 2D16001-IFB1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	520244.7	99.57	%	0.368				0.37%
Y 371.029	641718.8	99.66	%	0.481				0.48%
Ag 328.068†	37513.5	964.508	ug/L	2.6368	964.508	ug/L	2.6368	0.27%
QC value within limits for Ag 328.068 Recovery = 96.45%								
Al 396.146†	1171552.4	96261.3	ug/L	105.39	96261.3	ug/L	105.39	0.11%
QC value within limits for Al 396.146 Recovery = 96.26%								
As 188.979†	54.7	58.2930	ug/L	11.84599	58.2930	ug/L	11.84599	20.32%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	2224.9	-1.68028	ug/L	1.650944	-1.68028	ug/L	1.650944	98.25%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	237720.6	484.883	ug/L	0.6043	484.883	ug/L	0.6043	0.12%
QC value within limits for Ba 455.403 Recovery = 96.98%								
Be 234.863†	14417.8	49.0075	ug/L	0.53957	49.0075	ug/L	0.53957	1.10%
QC value within limits for Be 234.863 Recovery = 98.02%								
Ca 315.874†	1458886.5	93.6774	mg/L	0.11909	93.6774	mg/L	0.11909	0.13%
QC value within limits for Ca 315.874 Recovery = 93.68%								
Cd 214.436†	15138.7	911.741	ug/L	3.8587	911.741	ug/L	3.8587	0.42%
QC value within limits for Cd 214.436 Recovery = 91.17%								
Ce 413.764†	187.3	24.9213	ug/L	4.70054	24.9213	ug/L	4.70054	18.86%
Co 228.616†	3237.3	471.864	ug/L	0.1295	471.864	ug/L	0.1295	0.03%
QC value within limits for Co 228.616 Recovery = 94.37%								
Cr 205.563†	2600.1	471.948	ug/L	2.9482	471.948	ug/L	2.9482	0.62%
QC value within limits for Cr 205.563 Recovery = 94.39%								
Cu 324.741†	6690.2	489.882	ug/L	1.1176	489.882	ug/L	1.1176	0.23%
QC value within limits for Cu 324.741 Recovery = 97.98%								
Fe 238.204†	513346.5	37036.2	ug/L	54.33	37036.2	ug/L	54.33	0.15%
QC value within limits for Fe 238.204 Recovery = 92.59%								
K 766.490†	81.0	0.0199483	mg/L	0.01902577	0.0199483	mg/L	0.01902577	95.38%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	433.3	3.20067	ug/L	1.141630	3.20067	ug/L	1.141630	35.67%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	295477.8	95.1590	mg/L	0.26852	95.1590	mg/L	0.26852	0.28%
QC value within limits for Mg 279.071 Recovery = 95.16%								
Mn 257.610†	73389.3	488.980	ug/L	2.0417	488.980	ug/L	2.0417	0.42%
QC value within limits for Mn 257.610 Recovery = 97.80%								
Mo 202.031†	103.5	10.5731	ug/L	3.69912	10.5731	ug/L	3.69912	34.99%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	323.2	0.0353077	mg/L	0.00990068	0.0353077	mg/L	0.00990068	28.04%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	7933.3	922.533	ug/L	5.1109	922.533	ug/L	5.1109	0.55%
QC value within limits for Ni 231.604 Recovery = 92.25%								
Pb 220.353†	1263.5	947.952	ug/L	18.7444	947.952	ug/L	18.7444	1.98%
QC value within limits for Pb 220.353 Recovery = 94.80%								

Sb 217.584†	23.2	45.5538 ug/L	5.40033	45.5538 ug/L	5.40033	11.85%
Se 196.026†	22.1	10.6031 ug/L	29.07786	10.6031 ug/L	29.07786	274.24%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	174.1	25.8051 ug/L	1.38066	25.8051 ug/L	1.38066	5.35%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	-11.0	4.01116 ug/L	9.904182	4.01116 ug/L	9.904182	246.92%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	628.3	-8.20548 ug/L	0.002904	-8.20548 ug/L	0.002904	0.04%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.946†	-3155.6	-14.2587 ug/L	0.28183	-14.2587 ug/L	0.28183	1.98%
QC value within limits for Ti 334.946 Recovery = Not calculated						
Tl 190.801†	-8.9	-54.2565 ug/L	18.37258	-54.2565 ug/L	18.37258	33.86%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	18805.8	483.991 ug/L	3.0601	483.991 ug/L	3.0601	0.63%
QC value within limits for V 292.395 Recovery = 96.80%						
Zn 206.200†	5882.2	954.055 ug/L	4.9271	954.055 ug/L	4.9271	0.52%
QC value within limits for Zn 206.200 Recovery = 95.41%						

All analyte(s) passed QC.

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Sequence No.: 13 **Autosampler Location: 14**
Sample ID: 2D16001-IFB2 **Date Collected: 4/16/2012 8:13:55 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2D16001-IFB2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	519667.9	519667.9	99.46	%			08:15:14
1	Y 371.029	644727.9	644727.9	100.1	%			08:15:14
1	Ag 328.068†	-795.2	-427.6	5.57293	ug/L	5.57293	ug/L	08:15:19
1	Al 396.146†	12765.3	12297.9	963.307	ug/L	963.307	ug/L	08:15:19
1	As 188.979†	323.0	315.8	962.702	ug/L	962.702	ug/L	08:15:39
1	B 249.769†	36208.5	35978.1	950.927	ug/L	950.927	ug/L	08:15:19
1	Ba 455.403†	-159.7	-345.4	0.735275	ug/L	0.735275	ug/L	08:15:19
1	Be 234.863†	226.4	80.7	-0.0412609	ug/L	-0.0412609	ug/L	08:15:39
1	Ca 315.874†	77607.2	77823.4	4.98470	mg/L	4.98470	mg/L	08:15:19
1	Cd 214.436†	-204.4	-156.5	-2.24156	ug/L	-2.24156	ug/L	08:15:39
1	Ce 413.764†	109.3	44.4	12.6910	ug/L	12.6910	ug/L	08:15:19
1	Co 228.616†	205.9	246.7	-3.60384	ug/L	-3.60384	ug/L	08:15:39
1	Cr 205.563†	106773.4	107308.1	19541.1	ug/L	19541.1	ug/L	08:15:19
1	Cu 324.741†	265590.3	267178.6	19326.2	ug/L	19326.2	ug/L	08:15:14
1	Fe 238.204†	306.6	214.2	4.09215	ug/L	4.09215	ug/L	08:15:39
1	K 766.490†	3729.6	284.4	0.0564264	mg/L	0.0564264	mg/L	08:15:19
1	Li 670.784†	2838.9	286.0	2.56153	ug/L	2.56153	ug/L	08:15:19
1	Mg 279.071†	15430.3	15414.5	4.97436	mg/L	4.97436	mg/L	08:15:19
1	Mn 257.610†	2921879.0	2937752.8	19518.8	ug/L	19518.8	ug/L	08:15:14
1	Mo 202.031†	2939.2	2954.1	968.445	ug/L	968.445	ug/L	08:15:39
1	Na 589.592†	58052.0	57264.2	5.03632	mg/L	5.03632	mg/L	08:15:19
1	Ni 231.604†	166747.7	167674.2	19466.2	ug/L	19466.2	ug/L	08:15:19
1	Pb 220.353†	-49.7	17.5	15.7297	ug/L	15.7297	ug/L	08:15:39
1	Sb 217.584†	561.7	563.0	1005.48	ug/L	1005.48	ug/L	08:15:39
1	Se 196.026†	348.1	361.4	981.845	ug/L	981.845	ug/L	08:15:39
1	Si 251.611†	6069.5	5519.2	-347.982	ug/L	-347.982	ug/L	08:15:19
1	Sn 189.927†	-10.5	-7.8	-14.8384	ug/L	-14.8384	ug/L	08:15:39
1	Sr 407.771†	658.5	-886.1	-0.137324	ug/L	-0.137324	ug/L	08:15:19
1	Ti 334.946†	3769557.8	3788746.2	19366.5	ug/L	19366.5	ug/L	08:15:14
1	Tl 190.801†	131.0	132.5	900.089	ug/L	900.089	ug/L	08:15:39
1	V 292.395†	736047.7	740172.5	19120.2	ug/L	19120.2	ug/L	08:15:14
1	Zn 206.200†	163.7	125.9	-3.31791	ug/L	-3.31791	ug/L	08:15:19
2	Sc 357.234	519145.2	519145.2	99.36	%			08:15:48
2	Y 371.029	644179.0	644179.0	100.0	%			08:15:48
2	Ag 328.068†	-750.6	-383.5	6.79040	ug/L	6.79040	ug/L	08:15:54
2	Al 396.146†	12652.1	12196.9	955.244	ug/L	955.244	ug/L	08:15:54
2	As 188.979†	330.8	323.9	988.466	ug/L	988.466	ug/L	08:16:14
2	B 249.769†	36093.5	35899.0	948.822	ug/L	948.822	ug/L	08:15:54
2	Ba 455.403†	-70.1	-255.4	0.920772	ug/L	0.920772	ug/L	08:15:54
2	Be 234.863†	219.4	74.0	-0.0628715	ug/L	-0.0628715	ug/L	08:16:14
2	Ca 315.874†	76854.2	77144.0	4.94107	mg/L	4.94107	mg/L	08:15:54
2	Cd 214.436†	-199.5	-151.8	-1.87912	ug/L	-1.87912	ug/L	08:16:14

2	Ce 413.764†	128.9	64.3	15.3309 ug/L	15.3309 ug/L	08:15:54
2	Co 228.616†	249.2	290.5	2.73448 ug/L	2.73448 ug/L	08:16:14
2	Cr 205.563†	105540.3	106175.2	19334.7 ug/L	19334.7 ug/L	08:15:54
2	Cu 324.741†	267850.6	269722.4	19510.0 ug/L	19510.0 ug/L	08:15:48
2	Fe 238.204†	303.4	211.3	3.94441 ug/L	3.94441 ug/L	08:16:14
2	K 766.490†	3383.2	-60.5	-0.0054215 mg/L	-0.0054215 mg/L	08:15:54
2	Li 670.784†	2780.5	230.1	2.31795 ug/L	2.31795 ug/L	08:15:54
2	Mg 279.071†	15331.2	15330.4	4.94727 mg/L	4.94727 mg/L	08:15:54
2	Mn 257.610†	2932832.3	2951735.0	19611.7 ug/L	19611.7 ug/L	08:15:48
2	Mo 202.031†	2950.8	2968.9	973.280 ug/L	973.280 ug/L	08:16:14
2	Na 589.592†	57254.4	56520.2	4.97098 mg/L	4.97098 mg/L	08:15:54
2	Ni 231.604†	165020.3	166104.4	19283.9 ug/L	19283.9 ug/L	08:15:54
2	Pb 220.353†	-70.6	-3.5	0.179702 ug/L	0.179702 ug/L	08:16:14
2	Sb 217.584†	559.8	561.6	1005.61 ug/L	1005.61 ug/L	08:16:14
2	Se 196.026†	349.7	363.4	987.379 ug/L	987.379 ug/L	08:16:14
2	Si 251.611†	6088.7	5544.7	-350.721 ug/L	-350.721 ug/L	08:15:54
2	Sn 189.927†	-5.4	-2.6	-1.99703 ug/L	-1.99703 ug/L	08:16:14
2	Sr 407.771†	631.7	-912.4	-0.143678 ug/L	-0.143678 ug/L	08:15:54
2	Ti 334.946†	3786793.2	3809909.3	19474.6 ug/L	19474.6 ug/L	08:15:48
2	Tl 190.801†	140.7	142.4	963.790 ug/L	963.790 ug/L	08:16:14
2	V 292.395†	738884.6	743773.0	19213.3 ug/L	19213.3 ug/L	08:15:48
2	Zn 206.200†	190.1	152.6	1.28148 ug/L	1.28148 ug/L	08:15:54

Mean Data: 2D16001-IFB2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	519406.5	99.41	%	0.071				0.07%
Y 371.029	644453.5	100.1	%	0.06				0.06%
Ag 328.068†	-405.5	6.18167	ug/L	0.860885	6.18167	ug/L	0.860885	13.93%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	12247.4	959.276	ug/L	5.7018	959.276	ug/L	5.7018	0.59%
QC value within limits for Al 396.146 Recovery = 95.93%								
As 188.979†	319.8	975.584	ug/L	18.2179	975.584	ug/L	18.2179	1.87%
QC value within limits for As 188.979 Recovery = 97.56%								
B 249.769†	35938.5	949.874	ug/L	1.4881	949.874	ug/L	1.4881	0.16%
QC value within limits for B 249.769 Recovery = 94.99%								
Ba 455.403†	-300.4	0.828023	ug/L	0.1311666	0.828023	ug/L	0.1311666	15.84%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	77.3	-0.0520662	ug/L	0.01528103	-0.0520662	ug/L	0.01528103	29.35%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	77483.7	4.96288	mg/L	0.030850	4.96288	mg/L	0.030850	0.62%
QC value within limits for Ca 315.874 Recovery = 99.26%								
Cd 214.436†	-154.2	-2.06034	ug/L	0.256281	-2.06034	ug/L	0.256281	12.44%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	54.4	14.0110	ug/L	1.86666	14.0110	ug/L	1.86666	13.32%
Co 228.616†	268.6	-0.434681	ug/L	4.4818696	-0.434681	ug/L	4.4818696	>999.9%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	106741.6	19437.9	ug/L	145.91	19437.9	ug/L	145.91	0.75%
QC value within limits for Cr 205.563 Recovery = 97.19%								
Cu 324.741†	268450.5	19418.1	ug/L	129.99	19418.1	ug/L	129.99	0.67%
QC value within limits for Cu 324.741 Recovery = 97.09%								
Fe 238.204†	212.7	4.01828	ug/L	0.104467	4.01828	ug/L	0.104467	2.60%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	111.9	0.0255024	mg/L	0.04373307	0.0255024	mg/L	0.04373307	171.49%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	258.0	2.43974	ug/L	0.172241	2.43974	ug/L	0.172241	7.06%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	15372.4	4.96081	mg/L	0.019156	4.96081	mg/L	0.019156	0.39%
QC value within limits for Mg 279.071 Recovery = 99.22%								
Mn 257.610†	2944743.9	19565.3	ug/L	65.69	19565.3	ug/L	65.69	0.34%
QC value within limits for Mn 257.610 Recovery = 97.83%								
Mo 202.031†	2961.5	970.863	ug/L	3.4188	970.863	ug/L	3.4188	0.35%
QC value within limits for Mo 202.031 Recovery = 97.09%								
Na 589.592†	56892.2	5.00365	mg/L	0.046204	5.00365	mg/L	0.046204	0.92%
QC value within limits for Na 589.592 Recovery = 100.07%								
Ni 231.604†	166889.3	19375.0	ug/L	128.90	19375.0	ug/L	128.90	0.67%
QC value within limits for Ni 231.604 Recovery = 96.88%								
Pb 220.353†	7.0	7.95469	ug/L	10.995489	7.95469	ug/L	10.995489	138.23%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	562.3	1005.55	ug/L	0.091	1005.55	ug/L	0.091	0.01%
QC value within limits for Sb 217.584 Recovery = 100.55%								

Se 196.026†	362.4	984.612 ug/L	3.9130	984.612 ug/L	3.9130	0.40%	
QC value within limits for Se 196.026 Recovery = 98.46%							
Si 251.611†	5531.9	-349.352 ug/L	1.9366	-349.352 ug/L	1.9366	0.55%	
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	-5.2	-8.41771 ug/L	9.080213	-8.41771 ug/L	9.080213	107.87%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	-899.3	-0.140501 ug/L	0.0044926	-0.140501 ug/L	0.0044926	3.20%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.946†	3799327.8	19420.6 ug/L	76.49	19420.6 ug/L	76.49	0.39%	
QC value within limits for Ti 334.946 Recovery = 97.10%							
Tl 190.801†	137.4	931.939 ug/L	45.0428	931.939 ug/L	45.0428	4.83%	
QC value within limits for Tl 190.801 Recovery = 93.19%							
V 292.395†	741972.7	19166.8 ug/L	65.79	19166.8 ug/L	65.79	0.34%	
QC value within limits for V 292.395 Recovery = 95.83%							
Zn 206.200†	139.3	-1.01821 ug/L	3.252261	-1.01821 ug/L	3.252261	319.41%	
QC value within limits for Zn 206.200 Recovery = Not calculated							
All analyte(s) passed QC.							

Sequence No.: 14
Sample ID: 2D16001-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 4/16/2012 8:20:32 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	520532.1	520532.1	99.62	%			08:21:43
1	Y 371.029	643765.1	643765.1	99.97	%			08:21:43
1	Ag 328.068†	18527.8	18969.8	488.384	ug/L	488.384	ug/L	08:21:48
1	Al 396.146†	30426.1	30004.2	2434.50	ug/L	2434.50	ug/L	08:21:48
1	As 188.979†	786.6	780.5	2443.49	ug/L	2443.49	ug/L	08:22:09
1	B 249.769†	19059.3	18703.5	490.363	ug/L	490.363	ug/L	08:21:48
1	Ba 455.403†	241483.5	242212.3	494.023	ug/L	494.023	ug/L	08:21:43
1	Be 234.863†	13476.6	13380.7	48.6705	ug/L	48.6705	ug/L	08:21:48
1	Ca 315.874†	75586.8	75665.8	4.84613	mg/L	4.84613	mg/L	08:21:48
1	Cd 214.436†	7923.1	8002.0	486.531	ug/L	486.531	ug/L	08:22:09
1	Ce 413.764†	180.8	116.1	15.3631	ug/L	15.3631	ug/L	08:21:48
1	Co 228.616†	3282.7	3334.8	487.249	ug/L	487.249	ug/L	08:22:09
1	Cr 205.563†	2705.4	2668.1	487.949	ug/L	487.949	ug/L	08:22:09
1	Cu 324.741†	6687.2	6852.6	498.166	ug/L	498.166	ug/L	08:21:48
1	Fe 238.204†	6659.5	6590.7	478.039	ug/L	478.039	ug/L	08:21:48
1	K 766.490†	30806.7	27457.7	4.92889	mg/L	4.92889	mg/L	08:21:43
1	Li 670.784†	115140.4	113007.8	493.120	ug/L	493.120	ug/L	08:21:43
1	Mg 279.071†	15064.6	15021.7	4.84788	mg/L	4.84788	mg/L	08:21:48
1	Mn 257.610†	73011.4	73228.5	488.016	ug/L	488.016	ug/L	08:21:48
1	Mo 202.031†	1487.0	1491.6	486.498	ug/L	486.498	ug/L	08:22:09
1	Na 589.592†	56968.0	56079.2	4.93224	mg/L	4.93224	mg/L	08:21:43
1	Ni 231.604†	4209.4	4242.5	494.843	ug/L	494.843	ug/L	08:22:09
1	Pb 220.353†	589.8	659.6	489.880	ug/L	489.880	ug/L	08:22:09
1	Sb 217.584†	1090.2	1092.6	2465.69	ug/L	2465.69	ug/L	08:22:09
1	Se 196.026†	868.6	883.4	2444.47	ug/L	2444.47	ug/L	08:22:09
1	Si 251.611†	15829.2	15305.6	2271.05	ug/L	2271.05	ug/L	08:21:48
1	Sn 189.927†	978.4	984.9	2479.30	ug/L	2479.30	ug/L	08:22:09
1	Sr 407.771†	1025448.3	1027780.1	492.319	ug/L	492.319	ug/L	08:21:43
1	Ti 334.946†	97033.5	96033.8	492.706	ug/L	492.706	ug/L	08:21:48
1	Tl 190.801†	376.6	378.8	2425.36	ug/L	2425.36	ug/L	08:22:09
1	V 292.395†	18617.0	18798.6	491.440	ug/L	491.440	ug/L	08:21:48
1	Zn 206.200†	3010.5	2983.2	485.864	ug/L	485.864	ug/L	08:22:09
2	Sc 357.234	516486.8	516486.8	98.85	%			08:22:16
2	Y 371.029	637927.6	637927.6	99.07	%			08:22:16
2	Ag 328.068†	18781.8	19372.5	498.759	ug/L	498.759	ug/L	08:22:21
2	Al 396.146†	30758.5	30579.7	2482.76	ug/L	2482.76	ug/L	08:22:21
2	As 188.979†	789.1	789.3	2470.80	ug/L	2470.80	ug/L	08:22:41
2	B 249.769†	19423.8	19222.1	504.159	ug/L	504.159	ug/L	08:22:21
2	Ba 455.403†	240486.9	243102.7	495.837	ug/L	495.837	ug/L	08:22:16
2	Be 234.863†	13636.6	13648.5	49.6414	ug/L	49.6414	ug/L	08:22:21
2	Ca 315.874†	76670.9	77356.8	4.95473	mg/L	4.95473	mg/L	08:22:21
2	Cd 214.436†	7922.1	8063.4	490.247	ug/L	490.247	ug/L	08:22:41
2	Ce 413.764†	249.5	187.0	24.6975	ug/L	24.6975	ug/L	08:22:21

2	Co 228.616†	3277.7	3355.6	490.286 ug/L	490.286 ug/L	08:22:41
2	Cr 205.563†	2714.5	2698.6	493.497 ug/L	493.497 ug/L	08:22:41
2	Cu 324.741†	6779.3	6998.3	508.706 ug/L	508.706 ug/L	08:22:21
2	Fe 238.204†	6698.4	6682.3	484.647 ug/L	484.647 ug/L	08:22:21
2	K 766.490†	30511.1	27400.9	4.91870 mg/L	4.91870 mg/L	08:22:16
2	Li 670.784†	114717.2	113484.8	495.195 ug/L	495.195 ug/L	08:22:16
2	Mg 279.071†	15352.3	15431.1	4.97972 mg/L	4.97972 mg/L	08:22:21
2	Mn 257.610†	73930.3	74732.2	498.007 ug/L	498.007 ug/L	08:22:21
2	Mo 202.031†	1502.9	1519.3	495.537 ug/L	495.537 ug/L	08:22:41
2	Na 589.592†	56890.3	56448.5	4.96468 mg/L	4.96468 mg/L	08:22:16
2	Ni 231.604†	4221.6	4288.0	500.137 ug/L	500.137 ug/L	08:22:41
2	Pb 220.353†	593.7	668.1	496.252 ug/L	496.252 ug/L	08:22:41
2	Sb 217.584†	1090.2	1101.1	2485.18 ug/L	2485.18 ug/L	08:22:41
2	Se 196.026†	882.6	904.3	2502.88 ug/L	2502.88 ug/L	08:22:41
2	Si 251.611†	15918.6	15520.6	2302.77 ug/L	2302.77 ug/L	08:22:21
2	Sn 189.927†	972.4	986.5	2483.30 ug/L	2483.30 ug/L	08:22:41
2	Sr 407.771†	1020129.0	1030460.7	493.599 ug/L	493.599 ug/L	08:22:16
2	Ti 334.946†	98154.6	97930.9	502.403 ug/L	502.403 ug/L	08:22:21
2	Tl 190.801†	385.3	390.6	2500.56 ug/L	2500.56 ug/L	08:22:41
2	V 292.395†	18777.2	19107.1	499.481 ug/L	499.481 ug/L	08:22:21
2	Zn 206.200†	3007.2	3003.6	489.182 ug/L	489.182 ug/L	08:22:41

Mean Data: 2D16001-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	518509.5	99.24	%	0.547				0.55%
Y 371.029	640846.3	99.52	%	0.641				0.64%
Ag 328.068†	19171.2	493.571	ug/L	7.3365	493.571	ug/L	7.3365	1.49%
QC value within limits for Ag 328.068 Recovery = 98.71%								
Al 396.146†	30292.0	2458.63	ug/L	34.121	2458.63	ug/L	34.121	1.39%
QC value within limits for Al 396.146 Recovery = 98.35%								
As 188.979†	784.9	2457.15	ug/L	19.312	2457.15	ug/L	19.312	0.79%
QC value within limits for As 188.979 Recovery = 98.29%								
B 249.769†	18962.8	497.261	ug/L	9.7547	497.261	ug/L	9.7547	1.96%
QC value within limits for B 249.769 Recovery = 99.45%								
Ba 455.403†	242657.5	494.930	ug/L	1.2828	494.930	ug/L	1.2828	0.26%
QC value within limits for Ba 455.403 Recovery = 98.99%								
Be 234.863†	13514.6	49.1560	ug/L	0.68658	49.1560	ug/L	0.68658	1.40%
QC value within limits for Be 234.863 Recovery = 98.31%								
Ca 315.874†	76511.3	4.90043	mg/L	0.076790	4.90043	mg/L	0.076790	1.57%
QC value within limits for Ca 315.874 Recovery = 98.01%								
Cd 214.436†	8032.7	488.389	ug/L	2.6279	488.389	ug/L	2.6279	0.54%
QC value within limits for Cd 214.436 Recovery = 97.68%								
Ce 413.764†	151.5	20.0303	ug/L	6.60038	20.0303	ug/L	6.60038	32.95%
Co 228.616†	3345.2	488.767	ug/L	2.1469	488.767	ug/L	2.1469	0.44%
QC value within limits for Co 228.616 Recovery = 97.75%								
Cr 205.563†	2683.4	490.723	ug/L	3.9229	490.723	ug/L	3.9229	0.80%
QC value within limits for Cr 205.563 Recovery = 98.14%								
Cu 324.741†	6925.5	503.436	ug/L	7.4534	503.436	ug/L	7.4534	1.48%
QC value within limits for Cu 324.741 Recovery = 100.69%								
Fe 238.204†	6636.5	481.343	ug/L	4.6724	481.343	ug/L	4.6724	0.97%
QC value within limits for Fe 238.204 Recovery = 96.27%								
K 766.490†	27429.3	4.92379	mg/L	0.007207	4.92379	mg/L	0.007207	0.15%
QC value within limits for K 766.490 Recovery = 98.48%								
Li 670.784†	113246.3	494.157	ug/L	1.4673	494.157	ug/L	1.4673	0.30%
QC value within limits for Li 670.784 Recovery = 98.83%								
Mg 279.071†	15226.4	4.91380	mg/L	0.093225	4.91380	mg/L	0.093225	1.90%
QC value within limits for Mg 279.071 Recovery = 98.28%								
Mn 257.610†	73980.3	493.012	ug/L	7.0649	493.012	ug/L	7.0649	1.43%
QC value within limits for Mn 257.610 Recovery = 98.60%								
Mo 202.031†	1505.5	491.017	ug/L	6.3915	491.017	ug/L	6.3915	1.30%
QC value within limits for Mo 202.031 Recovery = 98.20%								
Na 589.592†	56263.8	4.94846	mg/L	0.022934	4.94846	mg/L	0.022934	0.46%
QC value within limits for Na 589.592 Recovery = 98.97%								
Ni 231.604†	4265.2	497.490	ug/L	3.7435	497.490	ug/L	3.7435	0.75%
QC value within limits for Ni 231.604 Recovery = 99.50%								
Pb 220.353†	663.8	493.066	ug/L	4.5058	493.066	ug/L	4.5058	0.91%
QC value within limits for Pb 220.353 Recovery = 98.61%								
Sb 217.584†	1096.8	2475.43	ug/L	13.786	2475.43	ug/L	13.786	0.56%
QC value within limits for Sb 217.584 Recovery = 99.02%								
Se 196.026†	893.8	2473.68	ug/L	41.302	2473.68	ug/L	41.302	1.67%

QC value within limits for Se 196.026 Recovery = 98.95%

Si 251.611†	15413.1	2286.91 ug/L	22.431	2286.91 ug/L	22.431	0.98%

QC value within limits for Si 251.611 Recovery = 91.48%

Sn 189.927†	985.7	2481.30 ug/L	2.827	2481.30 ug/L	2.827	0.11%

QC value within limits for Sn 189.927 Recovery = 99.25%

Sr 407.771†	1029120.4	492.959 ug/L	0.9046	492.959 ug/L	0.9046	0.18%

QC value within limits for Sr 407.771 Recovery = 98.59%

Ti 334.946†	96982.3	497.554 ug/L	6.8563	497.554 ug/L	6.8563	1.38%

QC value within limits for Ti 334.946 Recovery = 99.51%

Tl 190.801†	384.7	2462.96 ug/L	53.179	2462.96 ug/L	53.179	2.16%

QC value within limits for Tl 190.801 Recovery = 98.52%

V 292.395†	18952.9	495.461 ug/L	5.6859	495.461 ug/L	5.6859	1.15%

QC value within limits for V 292.395 Recovery = 99.09%

Zn 206.200†	2993.4	487.523 ug/L	2.3460	487.523 ug/L	2.3460	0.48%

QC value within limits for Zn 206.200 Recovery = 97.50%

All analyte(s) passed QC.

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Sequence No.: 15
Sample ID: 2D16001-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 4/16/2012 8:23:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	517400.8	517400.8	99.02	%			08:25:06
1	Y 371.029	636397.8	636397.8	98.83	%			08:25:06
1	Ag 328.068†	-440.9	-73.3	-0.929871	ug/L	-0.929871	ug/L	08:25:11
1	Al 396.146†	629.1	98.4	-9.27864	ug/L	-9.27864	ug/L	08:25:11
1	As 188.979†	18.0	9.2	38.6897	ug/L	38.6897	ug/L	08:25:31
1	B 249.769†	658.0	236.6	-0.583023	ug/L	-0.583023	ug/L	08:25:11
1	Ba 455.403†	149.0	-34.4	0.995089	ug/L	0.995089	ug/L	08:25:11
1	Be 234.863†	141.1	-4.4	0.164373	ug/L	0.164373	ug/L	08:25:31
1	Ca 315.874†	290.1	85.9	-0.0076509	mg/L	-0.0076509	mg/L	08:25:11
1	Cd 214.436†	-50.1	-1.6	1.37154	ug/L	1.37154	ug/L	08:25:31
1	Ce 413.764†	185.3	121.7	16.0225	ug/L	16.0225	ug/L	08:25:11
1	Co 228.616†	-40.5	-1.2	-0.560664	ug/L	-0.560664	ug/L	08:25:31
1	Cr 205.563†	42.0	-5.1	1.53623	ug/L	1.53623	ug/L	08:25:31
1	Cu 324.741†	-73.5	65.9	7.26844	ug/L	7.26844	ug/L	08:25:11
1	Fe 238.204†	112.0	19.1	3.97182	ug/L	3.97182	ug/L	08:25:31
1	K 766.490†	3533.9	103.2	0.0239336	mg/L	0.0239336	mg/L	08:25:06
1	Li 670.784†	2746.0	204.7	2.20663	ug/L	2.20663	ug/L	08:25:06
1	Mg 279.071†	69.2	-30.1	0.0009731	mg/L	0.0009731	mg/L	08:25:11
1	Mn 257.610†	148.3	90.7	2.00447	ug/L	2.00447	ug/L	08:25:11
1	Mo 202.031†	13.4	12.5	3.97767	ug/L	3.97767	ug/L	08:25:31
1	Na 589.592†	1262.4	170.4	0.0218898	mg/L	0.0218898	mg/L	08:25:11
1	Ni 231.604†	-14.6	2.5	2.52454	ug/L	2.52454	ug/L	08:25:31
1	Pb 220.353†	-70.3	-3.5	-2.95274	ug/L	-2.95274	ug/L	08:25:31
1	Sb 217.584†	7.5	5.8	12.6400	ug/L	12.6400	ug/L	08:25:31
1	Se 196.026†	-13.3	-2.0	-22.1153	ug/L	-22.1153	ug/L	08:25:31
1	Si 251.611†	532.8	-45.4	-7.88430	ug/L	-7.88430	ug/L	08:25:31
1	Sn 189.927†	-0.1	2.8	10.1094	ug/L	10.1094	ug/L	08:25:31
1	Sr 407.771†	1654.6	122.7	0.848701	ug/L	0.848701	ug/L	08:25:11
1	Ti 334.946†	1438.9	86.2	2.31039	ug/L	2.31039	ug/L	08:25:11
1	Tl 190.801†	2.1	2.9	22.4521	ug/L	22.4521	ug/L	08:25:31
1	V 292.395†	-175.0	-65.6	0.261325	ug/L	0.261325	ug/L	08:25:11
1	Zn 206.200†	60.1	22.1	0.528968	ug/L	0.528968	ug/L	08:25:31
2	Sc 357.234	519384.5	519384.5	99.40	%			08:25:36
2	Y 371.029	639168.9	639168.9	99.26	%			08:25:36
2	Ag 328.068†	-316.8	53.2	2.29367	ug/L	2.29367	ug/L	08:25:42
2	Al 396.146†	765.0	232.6	0.653154	ug/L	0.653154	ug/L	08:25:42
2	As 188.979†	3.4	-5.6	-7.54762	ug/L	-7.54762	ug/L	08:26:02
2	B 249.769†	649.4	225.4	-0.879920	ug/L	-0.879920	ug/L	08:25:42
2	Ba 455.403†	274.5	91.3	1.24919	ug/L	1.24919	ug/L	08:25:42
2	Be 234.863†	121.3	-24.8	0.0901205	ug/L	0.0901205	ug/L	08:26:02
2	Ca 315.874†	232.3	26.6	-0.0114581	mg/L	-0.0114581	mg/L	08:25:42
2	Cd 214.436†	-51.7	-3.0	1.28509	ug/L	1.28509	ug/L	08:26:02
2	Ce 413.764†	125.0	60.3	7.94388	ug/L	7.94388	ug/L	08:25:42
2	Co 228.616†	-12.4	27.2	3.59813	ug/L	3.59813	ug/L	08:26:02

2	Cr 205.563†	49.4	2.2	2.87125 ug/L	2.87125 ug/L	08:26:02
2	Cu 324.741†	-57.8	81.9	8.42446 ug/L	8.42446 ug/L	08:25:42
2	Fe 238.204†	109.1	15.7	3.73025 ug/L	3.73025 ug/L	08:26:02
2	K 766.490†	3417.6	-27.5	0.0004984 mg/L	0.0004984 mg/L	08:25:36
2	Li 670.784†	2645.1	92.6	1.71986 ug/L	1.71986 ug/L	08:25:36
2	Mg 279.071†	108.2	8.9	0.0135261 mg/L	0.0135261 mg/L	08:25:42
2	Mn 257.610†	91.0	32.4	1.61850 ug/L	1.61850 ug/L	08:25:42
2	Mo 202.031†	17.8	16.8	5.40959 ug/L	5.40959 ug/L	08:26:02
2	Na 589.592†	1209.6	112.5	0.0168015 mg/L	0.0168015 mg/L	08:25:42
2	Ni 231.604†	-19.2	-2.1	1.99313 ug/L	1.99313 ug/L	08:26:02
2	Pb 220.353†	-55.2	12.0	8.53451 ug/L	8.53451 ug/L	08:26:02
2	Sb 217.584†	3.3	1.5	2.89619 ug/L	2.89619 ug/L	08:26:02
2	Se 196.026†	-13.9	-2.6	-23.7650 ug/L	-23.7650 ug/L	08:26:02
2	Si 251.611†	542.9	-37.3	-6.74547 ug/L	-6.74547 ug/L	08:26:02
2	Sn 189.927†	-0.1	2.7	9.86239 ug/L	9.86239 ug/L	08:26:02
2	Sr 407.771†	1594.4	55.7	0.811176 ug/L	0.811176 ug/L	08:25:42
2	Ti 334.946†	1665.1	308.2	3.44502 ug/L	3.44502 ug/L	08:25:42
2	Tl 190.801†	-1.2	-0.4	1.39614 ug/L	1.39614 ug/L	08:26:02
2	V 292.395†	-119.9	-9.5	1.72315 ug/L	1.72315 ug/L	08:25:42
2	Zn 206.200†	41.7	3.3	-2.55670 ug/L	-2.55670 ug/L	08:26:02

Mean Data: 2D16001-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	518392.7	99.21	%	0.268				0.27%
Y 371.029	637783.3	99.04	%	0.304				0.31%
Ag 328.068†	-10.1	0.681897	ug/L	2.2793843	0.681897	ug/L	2.2793843	334.27%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	165.5	-4.31274	ug/L	7.022841	-4.31274	ug/L	7.022841	162.84%
QC value within limits for Al 396.146 Recovery = Not calculated								
As 188.979†	1.8	15.5710	ug/L	32.69472	15.5710	ug/L	32.69472	209.97%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	231.0	-0.731471	ug/L	0.2099379	-0.731471	ug/L	0.2099379	28.70%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	28.4	1.12214	ug/L	0.179677	1.12214	ug/L	0.179677	16.01%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	-14.6	0.127247	ug/L	0.0525041	0.127247	ug/L	0.0525041	41.26%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	56.3	-0.0095545	mg/L	0.00269205	-0.0095545	mg/L	0.00269205	28.18%
QC value within limits for Ca 315.874 Recovery = Not calculated								
Cd 214.436†	-2.3	1.32831	ug/L	0.061128	1.32831	ug/L	0.061128	4.60%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	91.0	11.9832	ug/L	5.71245	11.9832	ug/L	5.71245	47.67%
Co 228.616†	13.0	1.51873	ug/L	2.940713	1.51873	ug/L	2.940713	193.63%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	-1.4	2.20374	ug/L	0.943999	2.20374	ug/L	0.943999	42.84%
QC value within limits for Cr 205.563 Recovery = Not calculated								
Cu 324.741†	73.9	7.84645	ug/L	0.817433	7.84645	ug/L	0.817433	10.42%
QC value within limits for Cu 324.741 Recovery = Not calculated								
Fe 238.204†	17.4	3.85103	ug/L	0.170813	3.85103	ug/L	0.170813	4.44%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	37.8	0.0122160	mg/L	0.01657120	0.0122160	mg/L	0.01657120	135.65%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	148.7	1.96324	ug/L	0.344203	1.96324	ug/L	0.344203	17.53%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-10.6	0.0072496	mg/L	0.00887626	0.0072496	mg/L	0.00887626	122.44%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	61.5	1.81149	ug/L	0.272921	1.81149	ug/L	0.272921	15.07%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	14.6	4.69363	ug/L	1.012520	4.69363	ug/L	1.012520	21.57%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	141.5	0.0193456	mg/L	0.00359802	0.0193456	mg/L	0.00359802	18.60%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	0.2	2.25884	ug/L	0.375762	2.25884	ug/L	0.375762	16.64%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	4.3	2.79089	ug/L	8.122719	2.79089	ug/L	8.122719	291.04%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	3.7	7.76812	ug/L	6.889948	7.76812	ug/L	6.889948	88.70%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-2.3	-22.9401	ug/L	1.16648	-22.9401	ug/L	1.16648	5.08%
QC value within limits for Se 196.026 Recovery = Not calculated								

Si 251.611†	-41.3	-7.31488 ug/L	0.805275	-7.31488 ug/L	0.805275	11.01%	
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	2.7	9.98588 ug/L	0.174637	9.98588 ug/L	0.174637	1.75%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	89.2	0.829938 ug/L	0.0265341	0.829938 ug/L	0.0265341	3.20%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.946†	197.2	2.87770 ug/L	0.802308	2.87770 ug/L	0.802308	27.88%	
QC value within limits for Ti 334.946 Recovery = Not calculated							
Tl 190.801†	1.3	11.9241 ug/L	14.88883	11.9241 ug/L	14.88883	124.86%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	-37.5	0.992237 ug/L	1.0336655	0.992237 ug/L	1.0336655	104.18%	
QC value within limits for V 292.395 Recovery = Not calculated							
Zn 206.200†	12.7	-1.01387 ug/L	2.181900	-1.01387 ug/L	2.181900	215.21%	
QC value within limits for Zn 206.200 Recovery = Not calculated							

All analyte(s) passed QC.

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Sequence No.: 16 **Autosampler Location: 17**
Sample ID: 1204543-blk1 **Date Collected: 4/16/2012 8:27:16 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1204543-blk1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	543438.2	543438.2	104.0	%			08:28:24
1	Y 371.029	671533.6	671533.6	104.3	%			08:28:24
1	Ag 328.068†	-388.0	-1.1	0.911085	ug/L	0.911085	ug/L	08:28:29
1	Al 396.146†	313.4	-235.6	-37.2790	ug/L	-37.2790	ug/L	08:28:29
1	As 188.979†	4.4	-4.7	-4.80951	ug/L	-4.80951	ug/L	08:28:49
1	B 249.769†	400.3	-43.0	-8.02840	ug/L	-8.02840	ug/L	08:28:29
1	Ba 455.403†	128.0	-61.7	0.938491	ug/L	0.938491	ug/L	08:28:29
1	Be 234.863†	148.3	-4.3	0.164404	ug/L	0.164404	ug/L	08:28:49
1	Ca 315.874†	33.7	-174.7	-0.0243845	mg/L	-0.0243845	mg/L	08:28:29
1	Cd 214.436†	-64.3	-12.9	0.689448	ug/L	0.689448	ug/L	08:28:49
1	Ce 413.764†	158.5	86.9	11.4471	ug/L	11.4471	ug/L	08:28:29
1	Co 228.616†	-31.1	9.8	1.05196	ug/L	1.05196	ug/L	08:28:49
1	Cr 205.563†	38.9	-10.1	0.627050	ug/L	0.627050	ug/L	08:28:49
1	Cu 324.741†	-96.8	47.0	5.90153	ug/L	5.90153	ug/L	08:28:29
1	Fe 238.204†	135.4	36.1	5.20026	ug/L	5.20026	ug/L	08:28:49
1	K 766.490†	3420.9	-176.4	-0.0262042	mg/L	-0.0262042	mg/L	08:28:24
1	Li 670.784†	2698.1	25.8	1.42874	ug/L	1.42874	ug/L	08:28:24
1	Mg 279.071†	103.8	-0.1	0.0106327	mg/L	0.0106327	mg/L	08:28:29
1	Mn 257.610†	108.1	44.8	1.70005	ug/L	1.70005	ug/L	08:28:29
1	Mo 202.031†	7.3	5.9	1.83836	ug/L	1.83836	ug/L	08:28:49
1	Na 589.592†	1328.5	173.0	0.0221121	mg/L	0.0221121	mg/L	08:28:29
1	Ni 231.604†	-17.0	0.8	2.32716	ug/L	2.32716	ug/L	08:28:49
1	Pb 220.353†	-55.7	14.0	9.93303	ug/L	9.93303	ug/L	08:28:49
1	Sb 217.584†	11.1	8.9	19.5193	ug/L	19.5193	ug/L	08:28:49
1	Se 196.026†	-8.9	2.9	-8.43153	ug/L	-8.43153	ug/L	08:28:49
1	Si 251.611†	557.7	-47.2	-8.14716	ug/L	-8.14716	ug/L	08:28:49
1	Sn 189.927†	-1.0	1.9	7.90513	ug/L	7.90513	ug/L	08:28:49
1	Sr 407.771†	968.4	-617.1	0.492878	ug/L	0.492878	ug/L	08:28:29
1	Ti 334.946†	1536.7	110.6	2.43514	ug/L	2.43514	ug/L	08:28:29
1	Tl 190.801†	-2.3	-1.5	-5.45270	ug/L	-5.45270	ug/L	08:28:49
1	V 292.395†	-127.4	-11.3	1.64615	ug/L	1.64615	ug/L	08:28:29
1	Zn 206.200†	79.4	37.7	3.08962	ug/L	3.08962	ug/L	08:28:49
2	Sc 357.234	537384.0	537384.0	102.8	%			08:28:55
2	Y 371.029	663908.0	663908.0	103.1	%			08:28:55
2	Ag 328.068†	-504.0	-118.1	-2.11617	ug/L	-2.11617	ug/L	08:29:00
2	Al 396.146†	468.9	-81.0	-25.5354	ug/L	-25.5354	ug/L	08:29:00
2	As 188.979†	13.6	4.2	23.0622	ug/L	23.0622	ug/L	08:29:20
2	B 249.769†	339.1	-98.2	-9.49802	ug/L	-9.49802	ug/L	08:29:00
2	Ba 455.403†	181.4	-8.5	1.04544	ug/L	1.04544	ug/L	08:29:00
2	Be 234.863†	124.4	-26.0	0.0858778	ug/L	0.0858778	ug/L	08:29:20
2	Ca 315.874†	93.0	-116.6	-0.0206548	mg/L	-0.0206548	mg/L	08:29:00
2	Cd 214.436†	-59.6	-9.0	0.924322	ug/L	0.924322	ug/L	08:29:20
2	Ce 413.764†	100.8	32.6	4.28811	ug/L	4.28811	ug/L	08:29:00
2	Co 228.616†	-40.0	0.8	-0.269460	ug/L	-0.269460	ug/L	08:29:20
2	Cr 205.563†	42.7	-6.0	1.37663	ug/L	1.37663	ug/L	08:29:20

2	Cu 324.741†	-86.6	55.9	6.54868 ug/L	6.54868 ug/L	08:29:00
2	Fe 238.204†	133.4	35.6	5.16441 ug/L	5.16441 ug/L	08:29:20
2	K 766.490†	3368.9	-189.9	-0.0286270 mg/L	-0.0286270 mg/L	08:28:55
2	Li 670.784†	2704.2	61.0	1.58229 ug/L	1.58229 ug/L	08:28:55
2	Mg 279.071†	68.0	-33.8	-0.0002283 mg/L	-0.0002283 mg/L	08:29:00
2	Mn 257.610†	87.5	26.0	1.57505 ug/L	1.57505 ug/L	08:29:00
2	Mo 202.031†	8.9	7.6	2.38720 ug/L	2.38720 ug/L	08:29:20
2	Na 589.592†	1291.2	151.0	0.0201878 mg/L	0.0201878 mg/L	08:29:00
2	Ni 231.604†	-13.6	4.0	2.69642 ug/L	2.69642 ug/L	08:29:20
2	Pb 220.353†	-55.8	13.3	9.43581 ug/L	9.43581 ug/L	08:29:20
2	Sb 217.584†	5.3	3.4	7.08528 ug/L	7.08528 ug/L	08:29:20
2	Se 196.026†	-24.0	-11.9	-49.7434 ug/L	-49.7434 ug/L	08:29:20
2	Si 251.611†	538.6	-59.8	-10.0679 ug/L	-10.0679 ug/L	08:29:20
2	Sn 189.927†	-3.6	-0.6	1.53262 ug/L	1.53262 ug/L	08:29:20
2	Sr 407.771†	1051.3	-526.0	0.530930 ug/L	0.530930 ug/L	08:29:00
2	Ti 334.946†	1600.9	189.7	2.83931 ug/L	2.83931 ug/L	08:29:00
2	Tl 190.801†	-0.5	0.3	5.73782 ug/L	5.73782 ug/L	08:29:20
2	V 292.395†	-90.6	23.1	2.54018 ug/L	2.54018 ug/L	08:29:00
2	Zn 206.200†	64.2	23.7	0.800838 ug/L	0.800838 ug/L	08:29:20

Mean Data: 1204543-blk1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	540411.1	103.4	%	0.82				0.79%
Y 371.029	667720.8	103.7	%	0.84				0.81%
Ag 328.068†	-59.6	-0.602541	ug/L	2.1405899	-0.602541	ug/L	2.1405899	355.26%
Al 396.146†	-158.3	-31.4072	ug/L	8.30396	-31.4072	ug/L	8.30396	26.44%
As 188.979†	-0.3	9.12633	ug/L	19.708253	9.12633	ug/L	19.708253	215.95%
B 249.769†	-70.6	-8.76321	ug/L	1.039174	-8.76321	ug/L	1.039174	11.86%
Ba 455.403†	-35.1	0.991967	ug/L	0.0756275	0.991967	ug/L	0.0756275	7.62%
Be 234.863†	-15.1	0.125141	ug/L	0.0555264	0.125141	ug/L	0.0555264	44.37%
Ca 315.874†	-145.6	-0.0225196	mg/L	0.00263726	-0.0225196	mg/L	0.00263726	11.71%
Cd 214.436†	-10.9	0.806885	ug/L	0.1660809	0.806885	ug/L	0.1660809	20.58%
Ce 413.764†	59.8	7.86763	ug/L	5.062205	7.86763	ug/L	5.062205	64.34%
Co 228.616†	5.3	0.391252	ug/L	0.9343882	0.391252	ug/L	0.9343882	238.82%
Cr 205.563†	-8.0	1.00184	ug/L	0.530031	1.00184	ug/L	0.530031	52.91%
Cu 324.741†	51.4	6.22511	ug/L	0.457599	6.22511	ug/L	0.457599	7.35%
Fe 238.204†	35.8	5.18233	ug/L	0.025353	5.18233	ug/L	0.025353	0.49%
K 766.490†	-183.2	-0.0274156	mg/L	0.00171316	-0.0274156	mg/L	0.00171316	6.25%
Li 670.784†	43.4	1.50552	ug/L	0.108572	1.50552	ug/L	0.108572	7.21%
Mg 279.071†	-16.9	0.0052022	mg/L	0.00767990	0.0052022	mg/L	0.00767990	147.63%
Mn 257.610†	35.4	1.63755	ug/L	0.088387	1.63755	ug/L	0.088387	5.40%
Mo 202.031†	6.7	2.11278	ug/L	0.388090	2.11278	ug/L	0.388090	18.37%
Na 589.592†	162.0	0.0211500	mg/L	0.00136070	0.0211500	mg/L	0.00136070	6.43%
Ni 231.604†	2.4	2.51179	ug/L	0.261109	2.51179	ug/L	0.261109	10.40%
Pb 220.353†	13.6	9.68442	ug/L	0.351590	9.68442	ug/L	0.351590	3.63%
Sb 217.584†	6.2	13.3023	ug/L	8.79220	13.3023	ug/L	8.79220	66.10%
Se 196.026†	-4.5	-29.0875	ug/L	29.21193	-29.0875	ug/L	29.21193	100.43%
Si 251.611†	-53.5	-9.10752	ug/L	1.358161	-9.10752	ug/L	1.358161	14.91%
Sn 189.927†	0.6	4.71888	ug/L	4.506052	4.71888	ug/L	4.506052	95.49%
Sr 407.771†	-571.6	0.511904	ug/L	0.0269072	0.511904	ug/L	0.0269072	5.26%
Ti 334.946†	150.2	2.63723	ug/L	0.285793	2.63723	ug/L	0.285793	10.84%
Tl 190.801†	-0.6	0.142557	ug/L	7.9128932	0.142557	ug/L	7.9128932	>999.9%
V 292.395†	5.9	2.09317	ug/L	0.632169	2.09317	ug/L	0.632169	30.20%
Zn 206.200†	30.7	1.94523	ug/L	1.618411	1.94523	ug/L	1.618411	83.20%

Sequence No.: 17
Sample ID: 1204543-bs1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 4/16/2012 8:30:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204543-bs1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	534123.7	534123.7	102.2	%			08:31:43
1	Y 371.029	661999.2	661999.2	102.8	%			08:31:43
1	Ag 328.068†	14594.2	14648.6	377.341	ug/L	377.341	ug/L	08:31:48
1	Al 396.146†	24531.0	23460.3	1892.55	ug/L	1892.55	ug/L	08:31:48

1	As 188.979†	645.2	622.1	1930.13 ug/L	1930.13 ug/L	08:32:09
1	B 249.769†	14600.5	13855.0	361.413 ug/L	361.413 ug/L	08:31:48
1	Ba 455.403†	193666.2	189267.4	386.267 ug/L	386.267 ug/L	08:31:43
1	Be 234.863†	10901.1	10517.0	38.2919 ug/L	38.2919 ug/L	08:31:48
1	Ca 315.874†	297833.1	291145.5	18.6844 mg/L	18.6844 mg/L	08:31:43
1	Cd 214.436†	6257.4	6170.3	375.494 ug/L	375.494 ug/L	08:32:09
1	Ce 413.764†	153.9	85.1	10.8851 ug/L	10.8851 ug/L	08:31:48
1	Co 228.616†	2612.7	2595.6	379.170 ug/L	379.170 ug/L	08:32:09
1	Cr 205.563†	2169.9	2075.2	380.057 ug/L	380.057 ug/L	08:32:09
1	Cu 324.741†	5169.1	5196.7	378.879 ug/L	378.879 ug/L	08:31:48
1	Fe 238.204†	5552.5	5337.7	387.648 ug/L	387.648 ug/L	08:32:09
1	K 766.490†	111968.6	106066.7	19.0243 mg/L	19.0243 mg/L	08:31:43
1	Li 670.784†	92919.2	88329.0	385.719 ug/L	385.719 ug/L	08:31:43
1	Mg 279.071†	60830.9	59407.4	19.1407 mg/L	19.1407 mg/L	08:31:48
1	Mn 257.610†	58495.4	57163.5	381.266 ug/L	381.266 ug/L	08:31:48
1	Mo 202.031†	1233.2	1205.3	389.367 ug/L	389.367 ug/L	08:32:09
1	Na 589.592†	225597.2	219584.0	19.2925 mg/L	19.2925 mg/L	08:31:43
1	Ni 231.604†	3317.4	3262.4	381.072 ug/L	381.072 ug/L	08:32:09
1	Pb 220.353†	442.8	500.7	371.873 ug/L	371.873 ug/L	08:32:09
1	Sb 217.584†	887.9	866.8	1956.34 ug/L	1956.34 ug/L	08:32:09
1	Se 196.026†	697.1	693.4	1909.85 ug/L	1909.85 ug/L	08:32:09
1	Si 251.611†	12117.1	11270.0	1670.31 ug/L	1670.31 ug/L	08:31:48
1	Sn 189.927†	787.0	772.8	1950.40 ug/L	1950.40 ug/L	08:32:09
1	Sr 407.771†	825710.7	806195.7	384.867 ug/L	384.867 ug/L	08:31:43
1	Ti 334.946†	78311.0	75240.2	386.428 ug/L	386.428 ug/L	08:31:48
1	Tl 190.801†	303.9	298.1	1909.21 ug/L	1909.21 ug/L	08:32:09
1	V 292.395†	14967.4	14752.9	386.188 ug/L	386.188 ug/L	08:31:48
1	Zn 206.200†	2413.8	2322.6	376.553 ug/L	376.553 ug/L	08:32:09
2	Sc 357.234	533228.3	533228.3	102.1 %		08:32:17
2	Y 371.029	661388.9	661388.9	102.7 %		08:32:17
2	Ag 328.068†	14549.9	14629.1	376.837 ug/L	376.837 ug/L	08:32:22
2	Al 396.146†	24543.1	23512.5	1896.85 ug/L	1896.85 ug/L	08:32:22
2	As 188.979†	633.5	611.8	1897.72 ug/L	1897.72 ug/L	08:32:43
2	B 249.769†	14626.1	13904.0	362.717 ug/L	362.717 ug/L	08:32:22
2	Ba 455.403†	194677.5	190576.4	388.931 ug/L	388.931 ug/L	08:32:17
2	Be 234.863†	10909.2	10542.9	38.3858 ug/L	38.3858 ug/L	08:32:22
2	Ca 315.874†	299238.2	293011.5	18.8042 mg/L	18.8042 mg/L	08:32:17
2	Cd 214.436†	6286.6	6209.1	377.850 ug/L	377.850 ug/L	08:32:43
2	Ce 413.764†	149.2	80.7	10.3043 ug/L	10.3043 ug/L	08:32:22
2	Co 228.616†	2648.7	2635.1	384.952 ug/L	384.952 ug/L	08:32:43
2	Cr 205.563†	2174.9	2083.6	381.595 ug/L	381.595 ug/L	08:32:43
2	Cu 324.741†	5230.6	5265.5	383.846 ug/L	383.846 ug/L	08:32:22
2	Fe 238.204†	5559.1	5353.2	388.772 ug/L	388.772 ug/L	08:32:43
2	K 766.490†	112349.5	106623.9	19.1242 mg/L	19.1242 mg/L	08:32:17
2	Li 670.784†	93343.6	88897.5	388.194 ug/L	388.194 ug/L	08:32:17
2	Mg 279.071†	60661.1	59340.9	19.1193 mg/L	19.1193 mg/L	08:32:22
2	Mn 257.610†	58331.5	57099.0	380.836 ug/L	380.836 ug/L	08:32:22
2	Mo 202.031†	1217.7	1192.1	385.067 ug/L	385.067 ug/L	08:32:43
2	Na 589.592†	226052.1	220400.3	19.3642 mg/L	19.3642 mg/L	08:32:17
2	Ni 231.604†	3320.4	3270.8	382.029 ug/L	382.029 ug/L	08:32:43
2	Pb 220.353†	467.8	526.0	390.574 ug/L	390.574 ug/L	08:32:43
2	Sb 217.584†	885.6	866.0	1954.48 ug/L	1954.48 ug/L	08:32:43
2	Se 196.026†	700.3	697.7	1921.74 ug/L	1921.74 ug/L	08:32:43
2	Si 251.611†	12078.6	11252.2	1667.71 ug/L	1667.71 ug/L	08:32:22
2	Sn 189.927†	799.7	786.5	1984.89 ug/L	1984.89 ug/L	08:32:43
2	Sr 407.771†	828956.4	810732.6	387.026 ug/L	387.026 ug/L	08:32:17
2	Ti 334.946†	78048.2	75111.3	385.770 ug/L	385.770 ug/L	08:32:22
2	Tl 190.801†	307.1	301.7	1932.33 ug/L	1932.33 ug/L	08:32:43
2	V 292.395†	14882.2	14694.0	384.629 ug/L	384.629 ug/L	08:32:22
2	Zn 206.200†	2442.3	2354.6	381.796 ug/L	381.796 ug/L	08:32:43

Mean Data: 1204543-bs1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	533676.0	102.1	%	0.12				0.12%
Y 371.029	661694.1	102.8	%	0.07				0.07%
Ag 328.068†	14638.9	377.089	ug/L	0.3558	377.089	ug/L	0.3558	0.09%
Al 396.146†	23486.4	1894.70	ug/L	3.036	1894.70	ug/L	3.036	0.16%
As 188.979†	616.9	1913.92	ug/L	22.915	1913.92	ug/L	22.915	1.20%
B 249.769†	13879.5	362.065	ug/L	0.9218	362.065	ug/L	0.9218	0.25%
Ba 455.403†	189921.9	387.599	ug/L	1.8838	387.599	ug/L	1.8838	0.49%

Be 234.863†	10529.9	38.3388 ug/L	0.06641	38.3388 ug/L	0.06641	0.17%
Ca 315.874†	292078.5	18.7443 mg/L	0.08474	18.7443 mg/L	0.08474	0.45%
Cd 214.436†	6189.7	376.672 ug/L	1.6658	376.672 ug/L	1.6658	0.44%
Ce 413.764†	82.9	10.5947 ug/L	0.41064	10.5947 ug/L	0.41064	3.88%
Co 228.616†	2615.4	382.061 ug/L	4.0884	382.061 ug/L	4.0884	1.07%
Cr 205.563†	2079.4	380.826 ug/L	1.0874	380.826 ug/L	1.0874	0.29%
Cu 324.741†	5231.1	381.363 ug/L	3.5122	381.363 ug/L	3.5122	0.92%
Fe 238.204†	5345.4	388.210 ug/L	0.7947	388.210 ug/L	0.7947	0.20%
K 766.490†	106345.3	19.0743 mg/L	0.07064	19.0743 mg/L	0.07064	0.37%
Li 670.784†	88613.2	386.957 ug/L	1.7495	386.957 ug/L	1.7495	0.45%
Mg 279.071†	59374.2	19.1300 mg/L	0.01513	19.1300 mg/L	0.01513	0.08%
Mn 257.610†	57131.3	381.051 ug/L	0.3040	381.051 ug/L	0.3040	0.08%
Mo 202.031†	1198.7	387.217 ug/L	3.0400	387.217 ug/L	3.0400	0.79%
Na 589.592†	219992.1	19.3284 mg/L	0.05070	19.3284 mg/L	0.05070	0.26%
Ni 231.604†	3266.6	381.551 ug/L	0.6773	381.551 ug/L	0.6773	0.18%
Pb 220.353†	513.3	381.223 ug/L	13.2238	381.223 ug/L	13.2238	3.47%
Sb 217.584†	866.4	1955.41 ug/L	1.317	1955.41 ug/L	1.317	0.07%
Se 196.026†	695.6	1915.79 ug/L	8.411	1915.79 ug/L	8.411	0.44%
Si 251.611†	11261.1	1669.01 ug/L	1.837	1669.01 ug/L	1.837	0.11%
Sn 189.927†	779.6	1967.65 ug/L	24.392	1967.65 ug/L	24.392	1.24%
Sr 407.771†	808464.2	385.947 ug/L	1.5270	385.947 ug/L	1.5270	0.40%
Ti 334.946†	75175.7	386.099 ug/L	0.4658	386.099 ug/L	0.4658	0.12%
Tl 190.801†	299.9	1920.77 ug/L	16.348	1920.77 ug/L	16.348	0.85%
V 292.395†	14723.5	385.408 ug/L	1.1025	385.408 ug/L	1.1025	0.29%
Zn 206.200†	2338.6	379.174 ug/L	3.7072	379.174 ug/L	3.7072	0.98%

Sequence No.: 18
Sample ID: 1204091-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 4/16/2012 8:33:56 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204091-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	538806.9	538806.9	103.1	%			08:35:08
1	Y 371.029	665811.0	665811.0	103.4	%			08:35:08
1	Ag 328.068†	-359.3	23.5	1.56159	ug/L	1.56159	ug/L	08:35:13
1	Al 396.146†	883.5	319.8	-8.02886	ug/L	-8.02886	ug/L	08:35:13
1	As 188.979†	26.0	16.2	33.0096	ug/L	33.0096	ug/L	08:35:34
1	B 249.769†	1494.6	1021.5	20.3058	ug/L	20.3058	ug/L	08:35:34
1	Ba 455.403†	78300.5	75746.2	155.223	ug/L	155.223	ug/L	08:35:08
1	Be 234.863†	145.2	-6.1	0.157592	ug/L	0.157592	ug/L	08:35:34
1	Ca 315.874†	637010.8	617526.6	39.6448	mg/L	39.6448	mg/L	08:35:08
1	Cd 214.436†	-46.4	4.0	1.71277	ug/L	1.71277	ug/L	08:35:34
1	Ce 413.764†	188.9	117.7	14.4764	ug/L	14.4764	ug/L	08:35:13
1	Co 228.616†	-35.7	5.1	0.389058	ug/L	0.389058	ug/L	08:35:34
1	Cr 205.563†	54.5	5.3	3.43116	ug/L	3.43116	ug/L	08:35:34
1	Cu 324.741†	-48.4	93.2	10.4657	ug/L	10.4657	ug/L	08:35:13
1	Fe 238.204†	189.7	89.9	9.07813	ug/L	9.07813	ug/L	08:35:34
1	K 766.490†	16136.3	12182.4	2.18986	mg/L	2.18986	mg/L	08:35:13
1	Li 670.784†	5703.2	2962.3	14.2077	ug/L	14.2077	ug/L	08:35:13
1	Mg 279.071†	16851.5	16241.6	5.24072	mg/L	5.24072	mg/L	08:35:13
1	Mn 257.610†	134.5	71.3	1.87916	ug/L	1.87916	ug/L	08:35:34
1	Mo 202.031†	28.8	26.9	7.40859	ug/L	7.40859	ug/L	08:35:34
1	Na 589.592†	278287.0	268761.1	23.6117	mg/L	23.6117	mg/L	08:35:08
1	Ni 231.604†	-27.3	-9.2	1.17663	ug/L	1.17663	ug/L	08:35:34
1	Pb 220.353†	-68.5	1.1	0.422814	ug/L	0.422814	ug/L	08:35:34
1	Sb 217.584†	12.6	10.5	23.1136	ug/L	23.1136	ug/L	08:35:34
1	Se 196.026†	0.1	11.5	1.01597	ug/L	1.01597	ug/L	08:35:34
1	Si 251.611†	61713.4	59262.4	8926.01	ug/L	8926.01	ug/L	08:35:13
1	Sn 189.927†	-6.7	-3.7	5.95443	ug/L	5.95443	ug/L	08:35:34
1	Sr 407.771†	538364.7	520524.5	246.034	ug/L	246.034	ug/L	08:35:08
1	Ti 334.946†	-19.0	-1385.3	-5.21053	ug/L	-5.21053	ug/L	08:35:13
1	Tl 190.801†	-1.7	-0.8	-1.27997	ug/L	-1.27997	ug/L	08:35:34
1	V 292.395†	180.7	286.4	9.39965	ug/L	9.39965	ug/L	08:35:13
1	Zn 206.200†	143.0	100.0	12.1608	ug/L	12.1608	ug/L	08:35:34
2	Sc 357.234	536182.4	536182.4	102.6	%			08:35:39
2	Y 371.029	662656.0	662656.0	102.9	%			08:35:39
2	Ag 328.068†	-341.7	38.9	1.95711	ug/L	1.95711	ug/L	08:35:45

2	Al 396.146†	737.2	181.4	-19.5847 ug/L	-19.5847 ug/L	08:35:45
2	As 188.979†	30.1	20.3	45.8077 ug/L	45.8077 ug/L	08:36:05
2	B 249.769†	1448.1	983.3	19.2892 ug/L	19.2892 ug/L	08:36:05
2	Ba 455.403†	78251.1	76069.7	155.881 ug/L	155.881 ug/L	08:35:39
2	Be 234.863†	139.3	-11.2	0.139164 ug/L	0.139164 ug/L	08:36:05
2	Ca 315.874†	638684.0	622180.9	39.9437 mg/L	39.9437 mg/L	08:35:39
2	Cd 214.436†	-56.2	-5.8	1.12015 ug/L	1.12015 ug/L	08:36:05
2	Ce 413.764†	183.9	113.7	13.9453 ug/L	13.9453 ug/L	08:35:45
2	Co 228.616†	-27.6	12.8	1.51110 ug/L	1.51110 ug/L	08:36:05
2	Cr 205.563†	49.5	0.7	2.58900 ug/L	2.58900 ug/L	08:36:05
2	Cu 324.741†	-50.9	90.5	10.2781 ug/L	10.2781 ug/L	08:35:45
2	Fe 238.204†	192.7	93.7	9.35314 ug/L	9.35314 ug/L	08:36:05
2	K 766.490†	16285.2	12404.1	2.22962 mg/L	2.22962 mg/L	08:35:45
2	Li 670.784†	5636.2	2924.1	14.0415 ug/L	14.0415 ug/L	08:35:45
2	Mg 279.071†	17238.9	16699.1	5.38803 mg/L	5.38803 mg/L	08:35:45
2	Mn 257.610†	155.5	92.5	2.01966 ug/L	2.01966 ug/L	08:36:05
2	Mo 202.031†	26.9	25.1	6.80921 ug/L	6.80921 ug/L	08:36:05
2	Na 589.592†	277814.9	269622.0	23.6873 mg/L	23.6873 mg/L	08:35:39
2	Ni 231.604†	-15.1	2.5	2.53573 ug/L	2.53573 ug/L	08:36:05
2	Pb 220.353†	-68.7	0.6	0.0784465 ug/L	0.0784465 ug/L	08:36:05
2	Sb 217.584†	14.3	12.2	26.9517 ug/L	26.9517 ug/L	08:36:05
2	Se 196.026†	9.6	20.8	26.7816 ug/L	26.7816 ug/L	08:36:05
2	Si 251.611†	63266.9	61069.2	9198.17 ug/L	9198.17 ug/L	08:35:45
2	Sn 189.927†	-7.9	-4.8	3.19398 ug/L	3.19398 ug/L	08:36:05
2	Sr 407.771†	539124.1	523820.0	247.582 ug/L	247.582 ug/L	08:35:39
2	Ti 334.946†	30.8	-1336.8	-4.96295 ug/L	-4.96295 ug/L	08:35:45
2	Tl 190.801†	-0.6	0.2	5.20669 ug/L	5.20669 ug/L	08:36:05
2	V 292.395†	204.5	310.4	10.0157 ug/L	10.0157 ug/L	08:35:45
2	Zn 206.200†	137.9	95.7	11.4490 ug/L	11.4490 ug/L	08:36:05

Mean Data: 1204091-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	537494.7	102.9	%	0.36				0.35%
Y 371.029	664233.5	103.2	%	0.35				0.34%
Ag 328.068†	31.2	1.75935	ug/L	0.279676	1.75935	ug/L	0.279676	15.90%
Al 396.146†	250.6	-13.8068	ug/L	8.17122	-13.8068	ug/L	8.17122	59.18%
As 188.979†	18.2	39.4087	ug/L	9.04959	39.4087	ug/L	9.04959	22.96%
B 249.769†	1002.4	19.7975	ug/L	0.71887	19.7975	ug/L	0.71887	3.63%
Ba 455.403†	75907.9	155.552	ug/L	0.4655	155.552	ug/L	0.4655	0.30%
Be 234.863†	-8.6	0.148378	ug/L	0.0130307	0.148378	ug/L	0.0130307	8.78%
Ca 315.874†	619853.8	39.7942	mg/L	0.21135	39.7942	mg/L	0.21135	0.53%
Cd 214.436†	-0.9	1.41646	ug/L	0.419047	1.41646	ug/L	0.419047	29.58%
Ce 413.764†	115.7	14.2108	ug/L	0.37555	14.2108	ug/L	0.37555	2.64%
Co 228.616†	9.0	0.950078	ug/L	0.7934016	0.950078	ug/L	0.7934016	83.51%
Cr 205.563†	3.0	3.01008	ug/L	0.595493	3.01008	ug/L	0.595493	19.78%
Cu 324.741†	91.8	10.3719	ug/L	0.13264	10.3719	ug/L	0.13264	1.28%
Fe 238.204†	91.8	9.21564	ug/L	0.194461	9.21564	ug/L	0.194461	2.11%
K 766.490†	12293.3	2.20974	mg/L	0.028117	2.20974	mg/L	0.028117	1.27%
Li 670.784†	2943.2	14.1246	ug/L	0.11755	14.1246	ug/L	0.11755	0.83%
Mg 279.071†	16470.4	5.31437	mg/L	0.104167	5.31437	mg/L	0.104167	1.96%
Mn 257.610†	81.9	1.94941	ug/L	0.099342	1.94941	ug/L	0.099342	5.10%
Mo 202.031†	26.0	7.10890	ug/L	0.423826	7.10890	ug/L	0.423826	5.96%
Na 589.592†	269191.5	23.6495	mg/L	0.05347	23.6495	mg/L	0.05347	0.23%
Ni 231.604†	-3.4	1.85618	ug/L	0.961028	1.85618	ug/L	0.961028	51.77%
Pb 220.353†	0.9	0.250630	ug/L	0.2435048	0.250630	ug/L	0.2435048	97.16%
Sb 217.584†	11.3	25.0326	ug/L	2.71394	25.0326	ug/L	2.71394	10.84%
Se 196.026†	16.1	13.8988	ug/L	18.21907	13.8988	ug/L	18.21907	131.08%
Si 251.611†	60165.8	9062.09	ug/L	192.440	9062.09	ug/L	192.440	2.12%
Sn 189.927†	-4.3	4.57421	ug/L	1.951936	4.57421	ug/L	1.951936	42.67%
Sr 407.771†	522172.2	246.808	ug/L	1.0943	246.808	ug/L	1.0943	0.44%
Ti 334.946†	-1361.1	-5.08674	ug/L	0.175064	-5.08674	ug/L	0.175064	3.44%
Tl 190.801†	-0.3	1.96336	ug/L	4.586759	1.96336	ug/L	4.586759	233.62%
V 292.395†	298.4	9.70769	ug/L	0.435634	9.70769	ug/L	0.435634	4.49%
Zn 206.200†	97.8	11.8049	ug/L	0.50331	11.8049	ug/L	0.50331	4.26%

Sequence No.: 19
Sample ID: 1204543-ms1
Analyst:
Initial Sample Wt:

Autosampler Location: 20
Date Collected: 4/16/2012 8:37:19 AM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Replicate Data: 1204543-ms1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	532819.4	532819.4	102.0	%			08:38:32
1	Y 371.029	658891.6	658891.6	102.3	%			08:38:32
1	Ag 328.068†	13879.2	13982.4	360.249	ug/L	360.249	ug/L	08:38:37
1	Al 396.146†	23900.6	22900.8	1831.92	ug/L	1831.92	ug/L	08:38:37
1	As 188.979†	628.6	607.4	1858.42	ug/L	1858.42	ug/L	08:38:57
1	B 249.769†	15065.4	14345.8	374.497	ug/L	374.497	ug/L	08:38:37
1	Ba 455.403†	259004.8	253804.5	517.613	ug/L	517.613	ug/L	08:38:32
1	Be 234.863†	10504.3	10154.0	36.9763	ug/L	36.9763	ug/L	08:38:37
1	Ca 315.874†	895075.7	877536.1	56.3427	mg/L	56.3427	mg/L	08:38:32
1	Cd 214.436†	5933.4	5867.5	357.141	ug/L	357.141	ug/L	08:38:57
1	Ce 413.764†	205.8	136.4	16.6645	ug/L	16.6645	ug/L	08:38:37
1	Co 228.616†	2499.7	2491.0	363.894	ug/L	363.894	ug/L	08:38:57
1	Cr 205.563†	2082.1	1994.2	365.324	ug/L	365.324	ug/L	08:38:57
1	Cu 324.741†	4907.9	4953.0	362.423	ug/L	362.423	ug/L	08:38:37
1	Fe 238.204†	5390.3	5191.8	377.128	ug/L	377.128	ug/L	08:38:57
1	K 766.490†	119732.6	113948.5	20.4376	mg/L	20.4376	mg/L	08:38:32
1	Li 670.784†	92134.1	87781.6	383.337	ug/L	383.337	ug/L	08:38:32
1	Mg 279.071†	74687.7	73141.5	23.5633	mg/L	23.5633	mg/L	08:38:37
1	Mn 257.610†	55761.0	54622.1	364.379	ug/L	364.379	ug/L	08:38:37
1	Mo 202.031†	1184.9	1160.9	373.767	ug/L	373.767	ug/L	08:38:57
1	Na 589.592†	483230.5	472768.6	41.5293	mg/L	41.5293	mg/L	08:38:32
1	Ni 231.604†	3136.4	3092.9	361.396	ug/L	361.396	ug/L	08:38:57
1	Pb 220.353†	450.1	508.9	377.888	ug/L	377.888	ug/L	08:38:57
1	Sb 217.584†	859.4	841.0	1898.19	ug/L	1898.19	ug/L	08:38:57
1	Se 196.026†	671.8	670.2	1831.39	ug/L	1831.39	ug/L	08:38:57
1	Si 251.611†	71042.8	69083.7	10380.3	ug/L	10380.3	ug/L	08:38:37
1	Sn 189.927†	755.8	744.0	1889.66	ug/L	1889.66	ug/L	08:38:57
1	Sr 407.771†	1302857.3	1276080.0	606.072	ug/L	606.072	ug/L	08:38:32
1	Ti 334.946†	73374.7	70587.0	362.646	ug/L	362.646	ug/L	08:38:37
1	Tl 190.801†	286.1	281.4	1802.68	ug/L	1802.68	ug/L	08:38:57
1	V 292.395†	14430.4	14262.1	373.397	ug/L	373.397	ug/L	08:38:37
1	Zn 206.200†	2346.3	2262.2	365.580	ug/L	365.580	ug/L	08:38:57
2	Sc 357.234	533914.1	533914.1	102.2	%			08:39:05
2	Y 371.029	660691.6	660691.6	102.6	%			08:39:05
2	Ag 328.068†	13832.0	13908.3	358.278	ug/L	358.278	ug/L	08:39:10
2	Al 396.146†	23867.7	22820.6	1822.27	ug/L	1822.27	ug/L	08:39:10
2	As 188.979†	638.5	615.9	1884.69	ug/L	1884.69	ug/L	08:39:30
2	B 249.769†	15169.9	14417.7	376.409	ug/L	376.409	ug/L	08:39:10
2	Ba 455.403†	262145.7	256357.4	522.805	ug/L	522.805	ug/L	08:39:05
2	Be 234.863†	10403.6	10034.3	36.5418	ug/L	36.5418	ug/L	08:39:10
2	Ca 315.874†	904287.6	884751.2	56.8061	mg/L	56.8061	mg/L	08:39:05
2	Cd 214.436†	5992.1	5913.0	359.899	ug/L	359.899	ug/L	08:39:30
2	Ce 413.764†	44.3	-22.1	-4.20574	ug/L	-4.20574	ug/L	08:39:10
2	Co 228.616†	2512.7	2498.7	365.035	ug/L	365.035	ug/L	08:39:30
2	Cr 205.563†	2085.5	1993.4	365.166	ug/L	365.166	ug/L	08:39:30
2	Cu 324.741†	4883.4	4919.1	359.981	ug/L	359.981	ug/L	08:39:10
2	Fe 238.204†	5420.7	5210.8	378.493	ug/L	378.493	ug/L	08:39:30
2	K 766.490†	120718.0	114672.0	20.5673	mg/L	20.5673	mg/L	08:39:05
2	Li 670.784†	93210.3	88649.5	387.116	ug/L	387.116	ug/L	08:39:05
2	Mg 279.071†	74344.6	72655.6	23.4069	mg/L	23.4069	mg/L	08:39:10
2	Mn 257.610†	55441.0	54196.8	361.555	ug/L	361.555	ug/L	08:39:10
2	Mo 202.031†	1197.9	1171.2	377.192	ug/L	377.192	ug/L	08:39:30
2	Na 589.592†	488097.8	476560.2	41.8623	mg/L	41.8623	mg/L	08:39:05
2	Ni 231.604†	3180.7	3129.9	365.703	ug/L	365.703	ug/L	08:39:30
2	Pb 220.353†	438.4	496.5	368.774	ug/L	368.774	ug/L	08:39:30
2	Sb 217.584†	845.0	825.1	1862.41	ug/L	1862.41	ug/L	08:39:30
2	Se 196.026†	683.3	680.1	1858.91	ug/L	1858.91	ug/L	08:39:30
2	Si 251.611†	70391.4	68303.3	10262.9	ug/L	10262.9	ug/L	08:39:10
2	Sn 189.927†	760.0	746.6	1896.22	ug/L	1896.22	ug/L	08:39:30
2	Sr 407.771†	1315325.6	1285662.0	610.598	ug/L	610.598	ug/L	08:39:05
2	Ti 334.946†	72857.2	69933.0	359.303	ug/L	359.303	ug/L	08:39:10
2	Tl 190.801†	286.5	281.2	1801.12	ug/L	1801.12	ug/L	08:39:30
2	V 292.395†	14462.4	14264.5	373.491	ug/L	373.491	ug/L	08:39:10
2	Zn 206.200†	2359.1	2270.1	366.863	ug/L	366.863	ug/L	08:39:30

Mean Data: 1204543-ms1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	533366.7	102.1	%	0.15				0.15%
Y 371.029	659791.6	102.5	%	0.20				0.19%
Ag 328.068†	13945.4	359.264	ug/L	1.3935	359.264	ug/L	1.3935	0.39%
Al 396.146†	22860.7	1827.10	ug/L	6.823	1827.10	ug/L	6.823	0.37%
As 188.979†	611.6	1871.56	ug/L	18.575	1871.56	ug/L	18.575	0.99%
B 249.769†	14381.8	375.453	ug/L	1.3523	375.453	ug/L	1.3523	0.36%
Ba 455.403†	255081.0	520.209	ug/L	3.6709	520.209	ug/L	3.6709	0.71%
Be 234.863†	10094.1	36.7591	ug/L	0.30719	36.7591	ug/L	0.30719	0.84%
Ca 315.874†	881143.7	56.5744	mg/L	0.32765	56.5744	mg/L	0.32765	0.58%
Cd 214.436†	5890.2	358.520	ug/L	1.9502	358.520	ug/L	1.9502	0.54%
Ce 413.764†	57.2	6.22936	ug/L	14.757462	6.22936	ug/L	14.757462	236.90%
Co 228.616†	2494.9	364.465	ug/L	0.8067	364.465	ug/L	0.8067	0.22%
Cr 205.563†	1993.8	365.245	ug/L	0.1114	365.245	ug/L	0.1114	0.03%
Cu 324.741†	4936.0	361.202	ug/L	1.7261	361.202	ug/L	1.7261	0.48%
Fe 238.204†	5201.3	377.811	ug/L	0.9653	377.811	ug/L	0.9653	0.26%
K 766.490†	114310.2	20.5025	mg/L	0.09174	20.5025	mg/L	0.09174	0.45%
Li 670.784†	88215.6	385.226	ug/L	2.6723	385.226	ug/L	2.6723	0.69%
Mg 279.071†	72898.5	23.4851	mg/L	0.11064	23.4851	mg/L	0.11064	0.47%
Mn 257.610†	54409.4	362.967	ug/L	1.9969	362.967	ug/L	1.9969	0.55%
Mo 202.031†	1166.1	375.479	ug/L	2.4218	375.479	ug/L	2.4218	0.64%
Na 589.592†	474664.4	41.6958	mg/L	0.23548	41.6958	mg/L	0.23548	0.56%
Ni 231.604†	3111.4	363.549	ug/L	3.0457	363.549	ug/L	3.0457	0.84%
Pb 220.353†	502.7	373.331	ug/L	6.4444	373.331	ug/L	6.4444	1.73%
Sb 217.584†	833.1	1880.30	ug/L	25.299	1880.30	ug/L	25.299	1.35%
Se 196.026†	675.2	1845.15	ug/L	19.463	1845.15	ug/L	19.463	1.05%
Si 251.611†	68693.5	10321.6	ug/L	82.99	10321.6	ug/L	82.99	0.80%
Sn 189.927†	745.3	1892.94	ug/L	4.637	1892.94	ug/L	4.637	0.24%
Sr 407.771†	1280871.0	608.335	ug/L	3.2003	608.335	ug/L	3.2003	0.53%
Ti 334.946†	70260.0	360.974	ug/L	2.3635	360.974	ug/L	2.3635	0.65%
Tl 190.801†	281.3	1801.90	ug/L	1.105	1801.90	ug/L	1.105	0.06%
V 292.395†	14263.3	373.444	ug/L	0.0663	373.444	ug/L	0.0663	0.02%
Zn 206.200†	2266.2	366.221	ug/L	0.9071	366.221	ug/L	0.9071	0.25%

Sequence No.: 20
Sample ID: 1204543-msd1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 4/16/2012 8:40:45 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204543-msd1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	527192.6	527192.6	100.9	%			08:41:56
1	Y 371.029	650869.3	650869.3	101.1	%			08:41:56
1	Ag 328.068†	14257.5	14502.6	373.577	ug/L	373.577	ug/L	08:42:01
1	Al 396.146†	24600.9	23845.1	1906.53	ug/L	1906.53	ug/L	08:42:01
1	As 188.979†	649.5	634.7	1941.36	ug/L	1941.36	ug/L	08:42:21
1	B 249.769†	15300.1	14736.0	384.864	ug/L	384.864	ug/L	08:42:01
1	Ba 455.403†	267812.2	265244.3	540.893	ug/L	540.893	ug/L	08:41:56
1	Be 234.863†	10785.9	10543.0	38.3862	ug/L	38.3862	ug/L	08:42:01
1	Ca 315.874†	929292.2	920816.2	59.1222	mg/L	59.1222	mg/L	08:41:56
1	Cd 214.436†	6113.1	6107.7	371.699	ug/L	371.699	ug/L	08:42:21
1	Ce 413.764†	118.3	51.8	5.45817	ug/L	5.45817	ug/L	08:42:01
1	Co 228.616†	2539.3	2556.4	373.452	ug/L	373.452	ug/L	08:42:21
1	Cr 205.563†	2117.7	2051.3	375.708	ug/L	375.708	ug/L	08:42:21
1	Cu 324.741†	5011.1	5106.6	373.617	ug/L	373.617	ug/L	08:42:01
1	Fe 238.204†	5537.7	5394.3	391.735	ug/L	391.735	ug/L	08:42:21
1	K 766.490†	123702.2	119135.9	21.3678	mg/L	21.3678	mg/L	08:41:56
1	Li 670.784†	95105.7	91691.1	400.352	ug/L	400.352	ug/L	08:41:56
1	Mg 279.071†	76799.2	76015.9	24.4889	mg/L	24.4889	mg/L	08:42:01
1	Mn 257.610†	57110.4	56543.1	377.144	ug/L	377.144	ug/L	08:42:01
1	Mo 202.031†	1215.0	1203.1	387.358	ug/L	387.358	ug/L	08:42:21
1	Na 589.592†	501743.2	496174.2	43.5849	mg/L	43.5849	mg/L	08:41:56
1	Ni 231.604†	3213.4	3202.0	374.072	ug/L	374.072	ug/L	08:42:21
1	Pb 220.353†	438.1	501.8	372.690	ug/L	372.690	ug/L	08:42:21
1	Sb 217.584†	846.9	837.6	1890.62	ug/L	1890.62	ug/L	08:42:21
1	Se 196.026†	690.9	696.2	1902.78	ug/L	1902.78	ug/L	08:42:21

1	Si 251.611†	65786.8	64618.0	9706.69 ug/L	9706.69 ug/L	08:42:01
1	Sn 189.927†	777.5	773.4	1964.41 ug/L	1964.41 ug/L	08:42:21
1	Sr 407.771†	1347059.6	1333525.1	633.288 ug/L	633.288 ug/L	08:41:56
1	Ti 334.946†	75309.3	73272.3	376.371 ug/L	376.371 ug/L	08:42:01
1	Tl 190.801†	291.3	289.5	1854.46 ug/L	1854.46 ug/L	08:42:21
1	V 292.395†	14749.0	14729.0	385.569 ug/L	385.569 ug/L	08:42:01
1	Zn 206.200†	2416.8	2356.6	380.960 ug/L	380.960 ug/L	08:42:21
2	Sc 357.234	520927.9	520927.9	99.70 %		08:42:29
2	Y 371.029	642775.1	642775.1	99.82 %		08:42:29
2	Ag 328.068†	14317.7	14732.9	379.501 ug/L	379.501 ug/L	08:42:34
2	Al 396.146†	24441.6	23978.5	1917.48 ug/L	1917.48 ug/L	08:42:34
2	As 188.979†	633.5	626.4	1915.07 ug/L	1915.07 ug/L	08:42:54
2	B 249.769†	15657.9	15277.3	399.271 ug/L	399.271 ug/L	08:42:34
2	Ba 455.403†	265793.9	266412.0	543.270 ug/L	543.270 ug/L	08:42:29
2	Be 234.863†	10749.6	10635.2	38.7202 ug/L	38.7202 ug/L	08:42:34
2	Ca 315.874†	922849.7	925430.6	59.4186 mg/L	59.4186 mg/L	08:42:29
2	Cd 214.436†	6133.6	6201.1	377.366 ug/L	377.366 ug/L	08:42:54
2	Ce 413.764†	127.2	62.1	6.81524 ug/L	6.81524 ug/L	08:42:34
2	Co 228.616†	2563.1	2610.5	381.370 ug/L	381.370 ug/L	08:42:54
2	Cr 205.563†	2107.3	2066.2	378.405 ug/L	378.405 ug/L	08:42:54
2	Cu 324.741†	5088.2	5243.6	383.528 ug/L	383.528 ug/L	08:42:34
2	Fe 238.204†	5505.4	5427.9	394.161 ug/L	394.161 ug/L	08:42:54
2	K 766.490†	122491.7	119396.2	21.4144 mg/L	21.4144 mg/L	08:42:29
2	Li 670.784†	94355.3	92072.0	402.009 ug/L	402.009 ug/L	08:42:29
2	Mg 279.071†	76909.3	77041.7	24.8193 mg/L	24.8193 mg/L	08:42:34
2	Mn 257.610†	57246.5	57360.4	382.575 ug/L	382.575 ug/L	08:42:34
2	Mo 202.031†	1210.5	1213.1	390.524 ug/L	390.524 ug/L	08:42:54
2	Na 589.592†	496431.5	496826.8	43.6422 mg/L	43.6422 mg/L	08:42:29
2	Ni 231.604†	3226.7	3253.6	380.059 ug/L	380.059 ug/L	08:42:54
2	Pb 220.353†	447.1	516.0	383.240 ug/L	383.240 ug/L	08:42:54
2	Sb 217.584†	852.0	852.8	1924.89 ug/L	1924.89 ug/L	08:42:54
2	Se 196.026†	690.6	704.1	1924.95 ug/L	1924.95 ug/L	08:42:54
2	Si 251.611†	65390.8	65004.9	9764.73 ug/L	9764.73 ug/L	08:42:34
2	Sn 189.927†	776.3	781.5	1984.83 ug/L	1984.83 ug/L	08:42:54
2	Sr 407.771†	1336629.8	1339119.6	635.938 ug/L	635.938 ug/L	08:42:29
2	Ti 334.946†	75090.7	73950.7	379.838 ug/L	379.838 ug/L	08:42:34
2	Tl 190.801†	289.3	291.0	1863.96 ug/L	1863.96 ug/L	08:42:54
2	V 292.395†	14816.9	14972.8	391.896 ug/L	391.896 ug/L	08:42:34
2	Zn 206.200†	2430.3	2399.0	387.901 ug/L	387.901 ug/L	08:42:54

Mean Data: 1204543-msd1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	524060.3	100.3	%	0.85				0.85%
Y 371.029	646822.2	100.4	%	0.89			-	0.88%
Ag 328.068†	14617.8	376.539	ug/L	4.1891	376.539	ug/L	4.1891	1.11%
Al 396.146†	23911.8	1912.01	ug/L	7.745	1912.01	ug/L	7.745	0.41%
As 188.979†	630.5	1928.21	ug/L	18.593	1928.21	ug/L	18.593	0.96%
B 249.769†	15006.7	392.067	ug/L	10.1874	392.067	ug/L	10.1874	2.60%
Ba 455.403†	265828.2	542.082	ug/L	1.6807	542.082	ug/L	1.6807	0.31%
Be 234.863†	10589.1	38.5532	ug/L	0.23616	38.5532	ug/L	0.23616	0.61%
Ca 315.874†	923123.4	59.2704	mg/L	0.20954	59.2704	mg/L	0.20954	0.35%
Cd 214.436†	6154.4	374.533	ug/L	4.0071	374.533	ug/L	4.0071	1.07%
Ce 413.764†	56.9	6.13670	ug/L	0.959595	6.13670	ug/L	0.959595	15.64%
Co 228.616†	2583.5	377.411	ug/L	5.5989	377.411	ug/L	5.5989	1.48%
Cr 205.563†	2058.7	377.056	ug/L	1.9065	377.056	ug/L	1.9065	0.51%
Cu 324.741†	5175.1	378.572	ug/L	7.0082	378.572	ug/L	7.0082	1.85%
Fe 238.204†	5411.1	392.948	ug/L	1.7153	392.948	ug/L	1.7153	0.44%
K 766.490†	119266.0	21.3911	mg/L	0.03300	21.3911	mg/L	0.03300	0.15%
Li 670.784†	91881.6	401.180	ug/L	1.1722	401.180	ug/L	1.1722	0.29%
Mg 279.071†	76528.8	24.6541	mg/L	0.23357	24.6541	mg/L	0.23357	0.95%
Mn 257.610†	56951.8	379.860	ug/L	3.8399	379.860	ug/L	3.8399	1.01%
Mo 202.031†	1208.1	388.941	ug/L	2.2389	388.941	ug/L	2.2389	0.58%
Na 589.592†	496500.5	43.6136	mg/L	0.04053	43.6136	mg/L	0.04053	0.09%
Ni 231.604†	3227.8	377.066	ug/L	4.2336	377.066	ug/L	4.2336	1.12%
Pb 220.353†	508.9	377.965	ug/L	7.4600	377.965	ug/L	7.4600	1.97%
Sb 217.584†	845.2	1907.76	ug/L	24.229	1907.76	ug/L	24.229	1.27%
Se 196.026†	700.2	1913.86	ug/L	15.670	1913.86	ug/L	15.670	0.82%
Si 251.611†	64811.4	9735.71	ug/L	41.041	9735.71	ug/L	41.041	0.42%
Sn 189.927†	777.5	1974.62	ug/L	14.442	1974.62	ug/L	14.442	0.73%
Sr 407.771†	1336322.4	634.613	ug/L	1.8736	634.613	ug/L	1.8736	0.30%

Ti 334.946†	73611.5	378.104 ug/L	2.4518	378.104 ug/L	2.4518	0.65%
Tl 190.801†	290.2	1859.21 ug/L	6.718	1859.21 ug/L	6.718	0.36%
V 292.395†	14850.9	388.733 ug/L	4.4737	388.733 ug/L	4.4737	1.15%
Zn 206.200†	2377.8	384.431 ug/L	4.9081	384.431 ug/L	4.9081	1.28%

Sequence No.: 21
Sample ID: 2d16001-srd1
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 22
Date Collected: 4/16/2012 8:44:09 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2d16001-srd1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	534994.0	534994.0	102.4	%			08:45:22
1	Y 371.029	659342.4	659342.4	102.4	%			08:45:22
1	Ag 328.068†	-426.7	-44.8	-0.227410	ug/L	-1.13705	ug/L	08:45:27
1	Al 396.146†	587.9	37.2	-19.0145	ug/L	-95.0726	ug/L	08:45:27
1	As 188.979†	15.6	6.3	24.0461	ug/L	120.231	ug/L	08:45:47
1	B 249.769†	756.6	311.0	1.39814	ug/L	6.99069	ug/L	08:45:27
1	Ba 455.403†	15918.5	15361.9	32.3276	ug/L	161.638	ug/L	08:45:22
1	Be 234.863†	160.4	9.8	0.215529	ug/L	1.07764	ug/L	08:45:47
1	Ca 315.874†	127529.4	124344.5	7.97231	mg/L	39.8616	mg/L	08:45:22
1	Cd 214.436†	-53.1	-2.9	1.29819	ug/L	6.49093	ug/L	08:45:47
1	Ce 413.764†	113.9	45.8	5.82572	ug/L	29.1286	ug/L	08:45:27
1	Co 228.616†	-24.4	15.9	1.94541	ug/L	9.72705	ug/L	08:45:47
1	Cr 205.563†	46.7	-1.9	2.11545	ug/L	10.5773	ug/L	08:45:47
1	Cu 324.741†	-53.7	87.6	9.08266	ug/L	45.4133	ug/L	08:45:27
1	Fe 238.204†	124.8	27.8	4.60454	ug/L	23.0227	ug/L	08:45:47
1	K 766.490†	6055.1	2448.1	0.444407	mg/L	2.22203	mg/L	08:45:22
1	Li 670.784†	3301.5	656.0	4.17185	ug/L	20.8593	ug/L	08:45:22
1	Mg 279.071†	3464.0	3283.2	1.06791	mg/L	5.33953	mg/L	08:45:27
1	Mn 257.610†	89.3	28.1	1.59017	ug/L	7.95087	ug/L	08:45:27
1	Mo 202.031†	15.5	14.1	4.24271	ug/L	21.2136	ug/L	08:45:47
1	Na 589.592†	56751.9	54322.3	4.77794	mg/L	23.8897	mg/L	08:45:22
1	Ni 231.604†	-25.7	-7.9	1.32247	ug/L	6.61235	ug/L	08:45:47
1	Pb 220.353†	-69.4	-0.3	-0.568876	ug/L	-2.84438	ug/L	08:45:47
1	Sb 217.584†	17.0	14.9	32.9856	ug/L	164.928	ug/L	08:45:47
1	Se 196.026†	-6.9	4.7	-6.29620	ug/L	-31.4810	ug/L	08:45:47
1	Si 251.611†	12864.1	11980.3	1803.66	ug/L	9018.30	ug/L	08:45:27
1	Sn 189.927†	1.0	3.8	15.1696	ug/L	75.8478	ug/L	08:45:47
1	Sr 407.771†	109704.0	105594.1	50.5396	ug/L	252.698	ug/L	08:45:22
1	Ti 334.946†	1049.7	-341.6	0.123801	ug/L	0.619005	ug/L	08:45:27
1	Tl 190.801†	-4.5	-3.6	-19.1264	ug/L	-95.6322	ug/L	08:45:47
1	V 292.395†	-18.2	93.4	4.37543	ug/L	21.8772	ug/L	08:45:27
1	Zn 206.200†	69.7	29.4	1.49223	ug/L	7.46114	ug/L	08:45:47
2	Sc 357.234	529355.7	529355.7	101.3	%			08:45:53
2	Y 371.029	651885.8	651885.8	101.2	%			08:45:53
2	Ag 328.068†	-368.2	8.6	1.11719	ug/L	5.58596	ug/L	08:45:58
2	Al 396.146†	557.7	13.6	-21.8941	ug/L	-109.471	ug/L	08:45:58
2	As 188.979†	11.1	1.9	10.5152	ug/L	52.5760	ug/L	08:46:18
2	B 249.769†	732.0	294.6	0.958973	ug/L	4.79486	ug/L	08:45:58
2	Ba 455.403†	15848.2	15458.2	32.5218	ug/L	162.609	ug/L	08:45:53
2	Be 234.863†	155.3	6.4	0.203204	ug/L	1.01602	ug/L	08:46:18
2	Ca 315.874†	127570.3	125711.5	8.06010	mg/L	40.3005	mg/L	08:45:53
2	Cd 214.436†	-62.0	-12.2	0.727269	ug/L	3.63634	ug/L	08:46:18
2	Ce 413.764†	56.0	-10.1	-1.54136	ug/L	-7.70679	ug/L	08:45:58
2	Co 228.616†	-26.2	13.8	1.64381	ug/L	8.21904	ug/L	08:46:18
2	Cr 205.563†	49.8	1.7	2.77129	ug/L	13.8564	ug/L	08:46:18
2	Cu 324.741†	-120.6	21.0	4.27507	ug/L	21.3754	ug/L	08:45:58
2	Fe 238.204†	140.8	44.9	5.83523	ug/L	29.1762	ug/L	08:46:18
2	K 766.490†	5824.5	2283.5	0.414886	mg/L	2.07443	mg/L	08:45:53
2	Li 670.784†	3334.4	722.9	4.46355	ug/L	22.3178	ug/L	08:45:53
2	Mg 279.071†	3514.9	3369.5	1.09568	mg/L	5.47841	mg/L	08:45:58
2	Mn 257.610†	50.8	-9.0	1.34246	ug/L	6.71231	ug/L	08:45:58
2	Mo 202.031†	6.7	5.5	1.45257	ug/L	7.26283	ug/L	08:46:18
2	Na 589.592†	56505.0	54668.9	4.80839	mg/L	24.0419	mg/L	08:45:53
2	Ni 231.604†	-23.9	-6.4	1.49301	ug/L	7.46503	ug/L	08:46:18
2	Pb 220.353†	-71.6	-3.1	-2.66000	ug/L	-13.3000	ug/L	08:46:18
2	Sb 217.584†	8.1	6.3	13.4335	ug/L	67.1673	ug/L	08:46:18

2	Se 196.026†	-6.9	4.7	-6.54485 ug/L	-32.7243 ug/L	08:46:18
2	Si 251.611†	12930.2	12179.4	1833.63 ug/L	9168.16 ug/L	08:45:58
2	Sn 189.927†	-3.1	-0.2	5.04092 ug/L	25.2046 ug/L	08:46:18
2	Sr 407.771†	109596.3	106629.0	51.0210 ug/L	255.105 ug/L	08:45:53
2	Ti 334.946†	1177.2	-204.9	0.822552 ug/L	4.11276 ug/L	08:45:58
2	Tl 190.801†	-1.1	-0.3	1.83756 ug/L	9.18778 ug/L	08:46:18
2	V 292.395†	-128.0	-15.2	1.54520 ug/L	7.72602 ug/L	08:45:58
2	Zn 206.200†	59.9	20.5	0.0313561 ug/L	0.156780 ug/L	08:46:18

Mean Data: 2d16001-srd1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	532174.8	101.9	%	0.76				0.75%
Y 371.029	655614.1	101.8	%	0.82				0.80%
Ag 328.068†	-18.1	0.444891	ug/L	0.9507767	2.22446	ug/L	4.753883	213.71%
Al 396.146†	25.4	-20.4543	ug/L	2.03619	-102.272	ug/L	10.1810	9.95%
As 188.979†	4.1	17.2807	ug/L	9.56782	86.4033	ug/L	47.83912	55.37%
B 249.769†	302.8	1.17855	ug/L	0.310536	5.89277	ug/L	1.552681	26.35%
Ba 455.403†	15410.1	32.4247	ug/L	0.13738	162.123	ug/L	0.6869	0.42%
Be 234.863†	8.1	0.209367	ug/L	0.0087149	1.04683	ug/L	0.043575	4.16%
Ca 315.874†	125028.0	8.01621	mg/L	0.062077	40.0810	mg/L	0.31038	0.77%
Cd 214.436†	-7.5	1.01273	ug/L	0.403700	5.06364	ug/L	2.018500	39.86%
Ce 413.764†	17.8	2.14218	ug/L	5.209312	10.7109	ug/L	26.04656	243.18%
Co 228.616†	14.9	1.79461	ug/L	0.213265	8.97305	ug/L	1.066323	11.88%
Cr 205.563†	-0.1	2.44337	ug/L	0.463746	12.2169	ug/L	2.31873	18.98%
Cu 324.741†	54.3	6.67887	ug/L	3.399482	33.3943	ug/L	16.99741	50.90%
Fe 238.204†	36.4	5.21989	ug/L	0.870228	26.0994	ug/L	4.35114	16.67%
K 766.490†	2365.8	0.429646	mg/L	0.0208743	2.14823	mg/L	0.104371	4.86%
Li 670.784†	689.5	4.31770	ug/L	0.206263	21.5885	ug/L	1.03132	4.78%
Mg 279.071†	3326.3	1.08179	mg/L	0.019641	5.40897	mg/L	0.098204	1.82%
Mn 257.610†	9.6	1.46632	ug/L	0.175159	7.33159	ug/L	0.875796	11.95%
Mo 202.031†	9.8	2.84764	ug/L	1.972932	14.2382	ug/L	9.86466	69.28%
Na 589.592†	54495.6	4.79316	mg/L	0.021529	23.9658	mg/L	0.10765	0.45%
Ni 231.604†	-7.1	1.40774	ug/L	0.120587	7.03869	ug/L	0.602936	8.57%
Pb 220.353†	-1.7	-1.61444	ug/L	1.478646	-8.07219	ug/L	7.393232	91.59%
Sb 217.584†	10.6	23.2095	ug/L	13.82546	116.048	ug/L	69.1273	59.57%
Se 196.026†	4.7	-6.42053	ug/L	0.175822	-32.1026	ug/L	0.87911	2.74%
Si 251.611†	12079.8	1818.65	ug/L	21.193	9093.23	ug/L	105.966	1.17%
Sn 189.927†	1.8	10.1052	ug/L	7.16204	50.5262	ug/L	35.81019	70.87%
Sr 407.771†	106111.6	50.7803	ug/L	0.34038	253.902	ug/L	1.7019	0.67%
Ti 334.946†	-273.2	0.473176	ug/L	0.4940914	2.36588	ug/L	2.470457	104.42%
Tl 190.801†	-2.0	-8.64444	ug/L	14.823778	-43.2222	ug/L	74.11889	171.48%
V 292.395†	39.1	2.96032	ug/L	2.001272	14.8016	ug/L	10.00636	67.60%
Zn 206.200†	24.9	0.761792	ug/L	1.0329929	3.80896	ug/L	5.164964	135.60%

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Sequence No.: 22
Sample ID: 1204543-ps1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 4/16/2012 8:47:33 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204543-ps1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	536839.9	536839.9	102.7	%			08:48:46
1	Y 371.029	664679.2	664679.2	103.2	%			08:48:46
1	Ag 328.068†	8445.1	8591.5	221.711	ug/L	221.711	ug/L	08:48:51
1	Al 396.146†	15486.4	14535.8	1149.26	ug/L	1149.26	ug/L	08:48:51
1	As 188.979†	405.1	385.2	1172.18	ug/L	1172.18	ug/L	08:49:11
1	B 249.769†	10378.6	9673.6	250.307	ug/L	250.307	ug/L	08:48:51
1	Ba 455.403†	195893.6	190476.7	388.725	ug/L	388.725	ug/L	08:48:46
1	Be 234.863†	6741.6	6414.7	23.4256	ug/L	23.4256	ug/L	08:48:51
1	Ca 315.874†	806840.1	785083.5	50.4054	mg/L	50.4054	mg/L	08:48:46
1	Cd 214.436†	3794.8	3742.4	228.328	ug/L	228.328	ug/L	08:49:11
1	Ce 413.764†	151.4	81.9	9.58571	ug/L	9.58571	ug/L	08:48:51
1	Co 228.616†	1592.2	1589.4	232.058	ug/L	232.058	ug/L	08:49:11
1	Cr 205.563†	1345.5	1262.1	232.098	ug/L	232.098	ug/L	08:49:11
1	Cu 324.741†	3097.1	3154.5	232.180	ug/L	232.180	ug/L	08:48:51
1	Fe 238.204†	3499.4	3311.9	241.513	ug/L	241.513	ug/L	08:49:11

1	K 766.490†	83152.4	77465.9	13.8959 mg/L	13.8959 mg/L	08:48:46
1	Li 670.784†	61451.7	57242.1	250.431 ug/L	250.431 ug/L	08:48:46
1	Mg 279.071†	53758.9	52223.1	16.8273 mg/L	16.8273 mg/L	08:48:51
1	Mn 257.610†	35319.8	34317.4	229.453 ug/L	229.453 ug/L	08:48:51
1	Mo 202.031†	777.6	755.8	242.950 ug/L	242.950 ug/L	08:49:11
1	Na 589.592†	414076.2	401912.4	35.3061 mg/L	35.3061 mg/L	08:48:46
1	Ni 231.604†	2005.3	1968.9	230.885 ug/L	230.885 ug/L	08:49:11
1	Pb 220.353†	260.5	321.1	238.298 ug/L	238.298 ug/L	08:49:11
1	Sb 217.584†	536.0	519.9	1173.41 ug/L	1173.41 ug/L	08:49:11
1	Se 196.026†	448.7	448.1	1214.43 ug/L	1214.43 ug/L	08:49:11
1	Si 251.611†	69752.6	67306.2	10121.7 ug/L	10121.7 ug/L	08:48:51
1	Sn 189.927†	484.6	474.5	1210.74 ug/L	1210.74 ug/L	08:49:11
1	Sr 407.771†	1038285.4	1009006.0	478.805 ug/L	478.805 ug/L	08:48:46
1	Ti 334.946†	47068.5	44444.5	229.029 ug/L	229.029 ug/L	08:48:51
1	Tl 190.801†	189.1	184.8	1185.45 ug/L	1185.45 ug/L	08:49:11
1	V 292.395†	9313.1	9175.5	240.940 ug/L	240.940 ug/L	08:48:51
1	Zn 206.200†	1551.3	1471.2	236.284 ug/L	236.284 ug/L	08:49:11
2	Sc 357.234	528246.0	528246.0	101.1 %		08:49:19
2	Y 371.029	653548.9	653548.9	101.5 %		08:49:19
2	Ag 328.068†	8579.6	8858.3	228.593 ug/L	228.593 ug/L	08:49:24
2	Al 396.146†	15485.7	14780.3	1170.15 ug/L	1170.15 ug/L	08:49:24
2	As 188.979†	406.9	393.5	1197.09 ug/L	1197.09 ug/L	08:49:44
2	B 249.769†	10346.2	9805.8	253.823 ug/L	253.823 ug/L	08:49:24
2	Ba 455.403†	196109.7	193792.2	395.475 ug/L	395.475 ug/L	08:49:19
2	Be 234.863†	6763.4	6543.0	23.8908 ug/L	23.8908 ug/L	08:49:24
2	Ca 315.874†	809109.2	800103.6	51.3700 mg/L	51.3700 mg/L	08:49:19
2	Cd 214.436†	3780.2	3788.0	231.092 ug/L	231.092 ug/L	08:49:44
2	Ce 413.764†	221.1	153.3	18.9608 ug/L	18.9608 ug/L	08:49:24
2	Co 228.616†	1566.5	1589.2	232.018 ug/L	232.018 ug/L	08:49:44
2	Cr 205.563†	1353.2	1291.0	237.374 ug/L	237.374 ug/L	08:49:44
2	Cu 324.741†	3142.6	3248.5	239.011 ug/L	239.011 ug/L	08:49:24
2	Fe 238.204†	3486.3	3354.3	244.567 ug/L	244.567 ug/L	08:49:44
2	K 766.490†	83084.1	78715.1	14.1199 mg/L	14.1199 mg/L	08:49:19
2	Li 670.784†	61579.4	58341.4	255.214 ug/L	255.214 ug/L	08:49:19
2	Mg 279.071†	53976.1	53289.2	17.1706 mg/L	17.1706 mg/L	08:49:24
2	Mn 257.610†	35541.2	35095.7	234.623 ug/L	234.623 ug/L	08:49:24
2	Mo 202.031†	770.4	760.9	244.545 ug/L	244.545 ug/L	08:49:44
2	Na 589.592†	413664.3	408061.6	35.8462 mg/L	35.8462 mg/L	08:49:19
2	Ni 231.604†	1975.5	1971.2	231.150 ug/L	231.150 ug/L	08:49:44
2	Pb 220.353†	272.2	336.7	249.891 ug/L	249.891 ug/L	08:49:44
2	Sb 217.584†	544.1	536.5	1210.67 ug/L	1210.67 ug/L	08:49:44
2	Se 196.026†	439.8	446.4	1209.35 ug/L	1209.35 ug/L	08:49:44
2	Si 251.611†	70516.2	69165.9	10401.5 ug/L	10401.5 ug/L	08:49:24
2	Sn 189.927†	486.8	484.3	1235.66 ug/L	1235.66 ug/L	08:49:44
2	Sr 407.771†	1037819.7	1024985.7	486.366 ug/L	486.366 ug/L	08:49:19
2	Ti 334.946†	47307.6	45426.3	234.047 ug/L	234.047 ug/L	08:49:24
2	Tl 190.801†	182.7	181.5	1163.99 ug/L	1163.99 ug/L	08:49:44
2	V 292.395†	9324.1	9333.9	245.042 ug/L	245.042 ug/L	08:49:24
2	Zn 206.200†	1562.5	1506.8	242.090 ug/L	242.090 ug/L	08:49:44

Mean Data: 1204543-ps1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	532542.9	101.9	%	1.16				1.14%
Y 371.029	659114.1	102.4	%	1.22				1.19%
Ag 328.068†	8724.9	225.152	ug/L	4.8662	225.152	ug/L	4.8662	2.16%
Al 396.146†	14658.1	1159.70	ug/L	14.773	1159.70	ug/L	14.773	1.27%
As 188.979†	389.3	1184.63	ug/L	17.615	1184.63	ug/L	17.615	1.49%
B 249.769†	9739.7	252.065	ug/L	2.4859	252.065	ug/L	2.4859	0.99%
Ba 455.403†	192134.5	392.100	ug/L	4.7728	392.100	ug/L	4.7728	1.22%
Be 234.863†	6478.8	23.6582	ug/L	0.32896	23.6582	ug/L	0.32896	1.39%
Ca 315.874†	792593.5	50.8877	mg/L	0.68207	50.8877	mg/L	0.68207	1.34%
Cd 214.436†	3765.2	229.710	ug/L	1.9547	229.710	ug/L	1.9547	0.85%
Ce 413.764†	117.6	14.2733	ug/L	6.62921	14.2733	ug/L	6.62921	46.44%
Co 228.616†	1589.3	232.038	ug/L	0.0282	232.038	ug/L	0.0282	0.01%
Cr 205.563†	1276.5	234.736	ug/L	3.7306	234.736	ug/L	3.7306	1.59%
Cu 324.741†	3201.5	235.596	ug/L	4.8303	235.596	ug/L	4.8303	2.05%
Fe 238.204†	3333.1	243.040	ug/L	2.1594	243.040	ug/L	2.1594	0.89%
K 766.490†	78090.5	14.0079	mg/L	0.15838	14.0079	mg/L	0.15838	1.13%
Li 670.784†	57791.7	252.823	ug/L	3.3823	252.823	ug/L	3.3823	1.34%
Mg 279.071†	52756.2	16.9990	mg/L	0.24275	16.9990	mg/L	0.24275	1.43%

Mn 257.610†	34706.5	232.038 ug/L	3.6561	232.038 ug/L	3.6561	1.58%
Mo 202.031†	758.4	243.747 ug/L	1.1285	243.747 ug/L	1.1285	0.46%
Na 589.592†	404987.0	35.5761 mg/L	0.38189	35.5761 mg/L	0.38189	1.07%
Ni 231.604†	1970.1	231.017 ug/L	0.1870	231.017 ug/L	0.1870	0.08%
Pb 220.353†	328.9	244.095 ug/L	8.1972	244.095 ug/L	8.1972	3.36%
Sb 217.584†	528.2	1192.04 ug/L	26.345	1192.04 ug/L	26.345	2.21%
Se 196.026†	447.3	1211.89 ug/L	3.593	1211.89 ug/L	3.593	0.30%
Si 251.611†	68236.1	10261.6 ug/L	197.86	10261.6 ug/L	197.86	1.93%
Sn 189.927†	479.4	1223.20 ug/L	17.622	1223.20 ug/L	17.622	1.44%
Sr 407.771†	1016995.9	482.585 ug/L	5.3462	482.585 ug/L	5.3462	1.11%
Ti 334.946†	44935.4	231.538 ug/L	3.5482	231.538 ug/L	3.5482	1.53%
Tl 190.801†	183.2	1174.72 ug/L	15.170	1174.72 ug/L	15.170	1.29%
V 292.395†	9254.7	242.991 ug/L	2.9007	242.991 ug/L	2.9007	1.19%
Zn 206.200†	1489.0	239.187 ug/L	4.1057	239.187 ug/L	4.1057	1.72%

Sequence No.: 23
Sample ID: 1204205-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 4/16/2012 8:50:59 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204205-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	502263.5	502263.5	96.13	%			08:52:12
1	Y 371.029	617433.0	617433.0	95.88	%			08:52:12
1	Ag 328.068†	-314.8	44.5	2.10597	ug/L	2.10597	ug/L	08:52:18
1	Al 396.146†	826.2	322.6	-16.4561	ug/L	-16.4561	ug/L	08:52:18
1	As 188.979†	37.2	29.7	60.4013	ug/L	60.4013	ug/L	08:52:38
1	B 249.769†	2368.4	2036.0	47.2573	ug/L	47.2573	ug/L	08:52:38
1	Ba 455.403†	99905.5	103746.2	212.209	ug/L	212.209	ug/L	08:52:12
1	Be 234.863†	148.2	7.3	0.202201	ug/L	0.202201	ug/L	08:52:38
1	Ca 315.874†	908946.7	945364.7	60.6987	mg/L	60.6987	mg/L	08:52:12
1	Cd 214.436†	-46.2	0.9	1.52126	ug/L	1.52126	ug/L	08:52:38
1	Ce 413.764†	197.7	140.2	16.8982	ug/L	16.8982	ug/L	08:52:18
1	Co 228.616†	-13.4	25.8	3.41651	ug/L	3.41651	ug/L	08:52:38
1	Cr 205.563†	37.7	-8.3	0.936942	ug/L	0.936942	ug/L	08:52:38
1	Cu 324.741†	-152.2	-18.3	3.06684	ug/L	3.06684	ug/L	08:52:18
1	Fe 238.204†	696.0	629.9	48.0428	ug/L	48.0428	ug/L	08:52:38
1	K 766.490†	21068.8	18452.2	3.31410	mg/L	3.31410	mg/L	08:52:18
1	Li 670.784†	6891.5	4600.9	21.3385	ug/L	21.3385	ug/L	08:52:18
1	Mg 279.071†	25138.6	26051.7	8.39969	mg/L	8.39969	mg/L	08:52:18
1	Mn 257.610†	536.9	499.5	4.72334	ug/L	4.72334	ug/L	08:52:38
1	Mo 202.031†	43.0	43.7	12.1313	ug/L	12.1313	ug/L	08:52:38
1	Na 589.592†	334201.3	346563.1	30.4449	mg/L	30.4449	mg/L	08:52:12
1	Ni 231.604†	106.4	127.9	17.1102	ug/L	17.1102	ug/L	08:52:38
1	Pb 220.353†	-61.1	4.0	2.56822	ug/L	2.56822	ug/L	08:52:38
1	Sb 217.584†	10.1	8.8	19.5085	ug/L	19.5085	ug/L	08:52:38
1	Se 196.026†	1.0	12.5	-3.88474	ug/L	-3.88474	ug/L	08:52:38
1	Si 251.611†	60440.1	62292.1	9382.53	ug/L	9382.53	ug/L	08:52:18
1	Sn 189.927†	-8.6	-6.2	6.21229	ug/L	6.21229	ug/L	08:52:38
1	Sr 407.771†	834230.1	866296.2	409.471	ug/L	409.471	ug/L	08:52:12
1	Ti 334.946†	-619.5	-2011.3	-8.41016	ug/L	-8.41016	ug/L	08:52:18
1	Tl 190.801†	4.6	5.5	39.3101	ug/L	39.3101	ug/L	08:52:38
1	V 292.395†	-1.2	110.0	4.88634	ug/L	4.88634	ug/L	08:52:18
1	Zn 206.200†	212.2	182.1	25.0199	ug/L	25.0199	ug/L	08:52:38
2	Sc 357.234	500358.3	500358.3	95.76	%			08:52:45
2	Y 371.029	615133.1	615133.1	95.53	%			08:52:45
2	Ag 328.068†	-322.2	35.5	1.86180	ug/L	1.86180	ug/L	08:52:50
2	Al 396.146†	843.8	344.2	-15.4052	ug/L	-15.4052	ug/L	08:52:50
2	As 188.979†	32.4	24.8	44.9949	ug/L	44.9949	ug/L	08:53:10
2	B 249.769†	2363.4	2040.1	47.3653	ug/L	47.3653	ug/L	08:53:10
2	Ba 455.403†	99538.7	103759.0	212.234	ug/L	212.234	ug/L	08:52:45
2	Be 234.863†	145.0	4.5	0.192082	ug/L	0.192082	ug/L	08:53:10
2	Ca 315.874†	906409.5	946315.6	60.7598	mg/L	60.7598	mg/L	08:52:45
2	Cd 214.436†	-64.6	-18.5	0.346780	ug/L	0.346780	ug/L	08:53:10
2	Ce 413.764†	161.3	103.0	11.9975	ug/L	11.9975	ug/L	08:52:50
2	Co 228.616†	-38.4	-0.4	-0.405963	ug/L	-0.405963	ug/L	08:53:10
2	Cr 205.563†	35.2	-10.8	0.479915	ug/L	0.479915	ug/L	08:53:10
2	Cu 324.741†	-129.6	4.8	4.73416	ug/L	4.73416	ug/L	08:52:50

2	Fe 238.204†	701.3	638.3	48.6437 ug/L	48.6437 ug/L	08:53:10
2	K 766.490†	20972.1	18434.7	3.31096 mg/L	3.31096 mg/L	08:52:50
2	Li 670.784†	6926.8	4665.0	21.6182 ug/L	21.6182 ug/L	08:52:50
2	Mg 279.071†	25187.4	26202.1	8.44813 mg/L	8.44813 mg/L	08:52:50
2	Mn 257.610†	547.3	512.4	4.80987 ug/L	4.80987 ug/L	08:53:10
2	Mo 202.031†	47.8	48.9	13.8275 ug/L	13.8275 ug/L	08:53:10
2	Na 589.592†	332946.9	346577.0	30.4461 mg/L	30.4461 mg/L	08:52:45
2	Ni 231.604†	76.5	97.1	13.5390 ug/L	13.5390 ug/L	08:53:10
2	Pb 220.353†	-45.4	20.2	14.5884 ug/L	14.5884 ug/L	08:53:10
2	Sb 217.584†	6.7	5.2	11.5474 ug/L	11.5474 ug/L	08:53:10
2	Se 196.026†	-0.2	11.2	-7.54372 ug/L	-7.54372 ug/L	08:53:10
2	Si 251.611†	60406.7	62496.6	9413.31 ug/L	9413.31 ug/L	08:52:50
2	Sn 189.927†	-12.1	-9.8	-2.85655 ug/L	-2.85655 ug/L	08:53:10
2	Sr 407.771†	832946.5	868260.3	410.402 ug/L	410.402 ug/L	08:52:45
2	Ti 334.946†	-577.5	-1969.9	-8.19835 ug/L	-8.19835 ug/L	08:52:50
2	Tl 190.801†	-6.5	-6.0	-34.7046 ug/L	-34.7046 ug/L	08:53:10
2	V 292.395†	78.0	192.6	7.03625 ug/L	7.03625 ug/L	08:52:50
2	Zn 206.200†	222.9	194.1	26.9951 ug/L	26.9951 ug/L	08:53:10

Mean Data: 1204205-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	501310.9	95.94	%	0.258				0.27%
Y 371.029	616283.0	95.71	%	0.253				0.26%
Ag 328.068†	40.0	1.98389	ug/L	0.172659	1.98389	ug/L	0.172659	8.70%
Al 396.146†	333.4	-15.9306	ug/L	0.74309	-15.9306	ug/L	0.74309	4.66%
As 188.979†	27.2	52.6981	ug/L	10.89396	52.6981	ug/L	10.89396	20.67%
B 249.769†	2038.0	47.3113	ug/L	0.07632	47.3113	ug/L	0.07632	0.16%
Ba 455.403†	103752.6	212.221	ug/L	0.0177	212.221	ug/L	0.0177	0.01%
Be 234.863†	5.9	0.197142	ug/L	0.0071552	0.197142	ug/L	0.0071552	3.63%
Ca 315.874†	945840.1	60.7293	mg/L	0.04318	60.7293	mg/L	0.04318	0.07%
Cd 214.436†	-8.8	0.934020	ug/L	0.8304827	0.934020	ug/L	0.8304827	88.91%
Ce 413.764†	121.6	14.4478	ug/L	3.46535	14.4478	ug/L	3.46535	23.99%
Co 228.616†	12.7	1.50527	ug/L	2.702893	1.50527	ug/L	2.702893	179.56%
Cr 205.563†	-9.5	0.708428	ug/L	0.3231663	0.708428	ug/L	0.3231663	45.62%
Cu 324.741†	-6.8	3.90050	ug/L	1.178971	3.90050	ug/L	1.178971	30.23%
Fe 238.204†	634.1	48.3432	ug/L	0.42485	48.3432	ug/L	0.42485	0.88%
K 766.490†	18443.4	3.31253	mg/L	0.002225	3.31253	mg/L	0.002225	0.07%
Li 670.784†	4633.0	21.4783	ug/L	0.19778	21.4783	ug/L	0.19778	0.92%
Mg 279.071†	26126.9	8.42391	mg/L	0.034256	8.42391	mg/L	0.034256	0.41%
Mn 257.610†	505.9	4.76661	ug/L	0.061192	4.76661	ug/L	0.061192	1.28%
Mo 202.031†	46.3	12.9794	ug/L	1.19945	12.9794	ug/L	1.19945	9.24%
Na 589.592†	346570.1	30.4455	mg/L	0.00086	30.4455	mg/L	0.00086	0.00%
Ni 231.604†	112.5	15.3246	ug/L	2.52520	15.3246	ug/L	2.52520	16.48%
Pb 220.353†	12.1	8.57831	ug/L	8.499551	8.57831	ug/L	8.499551	99.08%
Sb 217.584†	7.0	15.5279	ug/L	5.62938	15.5279	ug/L	5.62938	36.25%
Se 196.026†	11.8	-5.71423	ug/L	2.587288	-5.71423	ug/L	2.587288	45.28%
Si 251.611†	62394.3	9397.92	ug/L	21.766	9397.92	ug/L	21.766	0.23%
Sn 189.927†	-8.0	1.67787	ug/L	6.412633	1.67787	ug/L	6.412633	382.19%
Sr 407.771†	867278.3	409.937	ug/L	0.6581	409.937	ug/L	0.6581	0.16%
Ti 334.946†	-1990.6	-8.30426	ug/L	0.149772	-8.30426	ug/L	0.149772	1.80%
Tl 190.801†	-0.3	2.30273	ug/L	52.336266	2.30273	ug/L	52.336266	>999.9%
V 292.395†	151.3	5.96129	ug/L	1.520214	5.96129	ug/L	1.520214	25.50%
Zn 206.200†	188.1	26.0075	ug/L	1.39672	26.0075	ug/L	1.39672	5.37%

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Sequence No.: 24
Sample ID: 1204205-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 4/16/2012 8:54:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204205-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	530102.7	530102.7	101.5	%			08:55:37
1	Y 371.029	656163.7	656163.7	101.9	%			08:55:37
1	Ag 328.068†	-329.6	47.1	2.17006	ug/L	2.17006	ug/L	08:55:43
1	Al 396.146†	811.9	263.3	-12.0869	ug/L	-12.0869	ug/L	08:55:43
1	As 188.979†	26.5	17.1	36.4042	ug/L	36.4042	ug/L	08:56:03

1	B 249.769†	2235.5	1775.5	40.3498 ug/L	40.3498 ug/L	08:56:03
1	Ba 455.403†	68554.3	67386.5	138.210 ug/L	138.210 ug/L	08:55:37
1	Be 234.863†	142.4	-6.5	0.153805 ug/L	0.153805 ug/L	08:56:03
1	Ca 315.874†	613080.6	604082.7	38.7814 mg/L	38.7814 mg/L	08:55:37
1	Cd 214.436†	-48.9	0.8	1.51417 ug/L	1.51417 ug/L	08:56:03
1	Ce 413.764†	198.1	129.8	16.0982 ug/L	16.0982 ug/L	08:55:43
1	Co 228.616†	-44.4	-4.1	-0.963699 ug/L	-0.963699 ug/L	08:56:03
1	Cr 205.563†	35.8	-12.2	0.228194 ug/L	0.228194 ug/L	08:56:03
1	Cu 324.741†	-139.9	2.2	3.86850 ug/L	3.86850 ug/L	08:55:43
1	Fe 238.204†	480.3	379.3	29.9608 ug/L	29.9608 ug/L	08:56:03
1	K 766.490†	15918.2	12224.4	2.19740 mg/L	2.19740 mg/L	08:55:43
1	Li 670.784†	5795.7	3144.2	14.9993 ug/L	14.9993 ug/L	08:55:43
1	Mg 279.071†	17139.2	16793.5	5.41843 mg/L	5.41843 mg/L	08:55:43
1	Mn 257.610†	291.7	228.5	2.92224 ug/L	2.92224 ug/L	08:56:03
1	Mo 202.031†	26.5	25.1	6.79015 ug/L	6.79015 ug/L	08:56:03
1	Na 589.592†	271285.2	266290.9	23.3947 mg/L	23.3947 mg/L	08:55:37
1	Ni 231.604†	81.8	97.8	13.6107 ug/L	13.6107 ug/L	08:56:03
1	Pb 220.353†	-46.2	22.0	15.9058 ug/L	15.9058 ug/L	08:56:03
1	Sb 217.584†	-3.6	-5.3	-12.4393 ug/L	-12.4393 ug/L	08:56:03
1	Se 196.026†	7.5	18.8	21.7881 ug/L	21.7881 ug/L	08:56:03
1	Si 251.611†	71539.4	69930.1	10532.9 ug/L	10532.9 ug/L	08:55:43
1	Sn 189.927†	-9.2	-6.3	-0.742451 ug/L	-0.742451 ug/L	08:56:03
1	Sr 407.771†	575140.3	565345.2	267.577 ug/L	267.577 ug/L	08:55:37
1	Ti 334.946†	44.9	-1322.6	-4.89032 ug/L	-4.89032 ug/L	08:55:43
1	Tl 190.801†	0.0	0.8	9.13188 ug/L	9.13188 ug/L	08:56:03
1	V 292.395†	64.5	174.7	6.50723 ug/L	6.50723 ug/L	08:55:43
1	Zn 206.200†	170.3	129.2	16.9827 ug/L	16.9827 ug/L	08:56:03
2	Sc 357.234	524750.9	524750.9	100.4 %		08:56:11
2	Y 371.029	648717.3	648717.3	100.7 %		08:56:11
2	Ag 328.068†	-417.6	-43.9	-0.141663 ug/L	-0.141663 ug/L	08:56:16
2	Al 396.146†	843.9	303.4	-8.21176 ug/L	-8.21176 ug/L	08:56:16
2	As 188.979†	27.4	18.3	39.7925 ug/L	39.7925 ug/L	08:56:36
2	B 249.769†	2281.0	1843.4	42.1558 ug/L	42.1558 ug/L	08:56:36
2	Ba 455.403†	68556.2	68077.5	139.618 ug/L	139.618 ug/L	08:56:11
2	Be 234.863†	130.3	-17.1	0.115307 ug/L	0.115307 ug/L	08:56:36
2	Ca 315.874†	613266.6	610431.0	39.1891 mg/L	39.1891 mg/L	08:56:11
2	Cd 214.436†	-49.1	0.1	1.47122 ug/L	1.47122 ug/L	08:56:36
2	Ce 413.764†	247.7	181.2	22.8522 ug/L	22.8522 ug/L	08:56:16
2	Co 228.616†	-42.5	-2.6	-0.740865 ug/L	-0.740865 ug/L	08:56:36
2	Cr 205.563†	42.5	-5.2	1.49635 ug/L	1.49635 ug/L	08:56:36
2	Cu 324.741†	-156.9	-16.2	2.55627 ug/L	2.55627 ug/L	08:56:16
2	Fe 238.204†	476.7	380.6	30.0501 ug/L	30.0501 ug/L	08:56:36
2	K 766.490†	15949.2	12415.3	2.23163 mg/L	2.23163 mg/L	08:56:16
2	Li 670.784†	5704.7	3111.9	14.8580 ug/L	14.8580 ug/L	08:56:16
2	Mg 279.071†	17456.8	17282.0	5.57573 mg/L	5.57573 mg/L	08:56:16
2	Mn 257.610†	310.8	250.4	3.06949 ug/L	3.06949 ug/L	08:56:36
2	Mo 202.031†	41.9	40.7	11.8512 ug/L	11.8512 ug/L	08:56:36
2	Na 589.592†	270059.5	267797.5	23.5270 mg/L	23.5270 mg/L	08:56:11
2	Ni 231.604†	99.8	116.6	15.7981 ug/L	15.7981 ug/L	08:56:36
2	Pb 220.353†	-59.2	8.6	5.96057 ug/L	5.96057 ug/L	08:56:36
2	Sb 217.584†	4.3	2.6	5.49202 ug/L	5.49202 ug/L	08:56:36
2	Se 196.026†	17.0	28.3	48.1059 ug/L	48.1059 ug/L	08:56:36
2	Si 251.611†	73298.8	72401.2	10905.1 ug/L	10905.1 ug/L	08:56:16
2	Sn 189.927†	-10.6	-7.7	-4.29117 ug/L	-4.29117 ug/L	08:56:36
2	Sr 407.771†	574459.3	570448.8	269.985 ug/L	269.985 ug/L	08:56:11
2	Ti 334.946†	-5.2	-1372.0	-5.14289 ug/L	-5.14289 ug/L	08:56:16
2	Tl 190.801†	-0.6	0.2	5.02527 ug/L	5.02527 ug/L	08:56:36
2	V 292.395†	117.1	227.8	7.92127 ug/L	7.92127 ug/L	08:56:16
2	Zn 206.200†	179.6	140.2	18.7606 ug/L	18.7606 ug/L	08:56:36

Mean Data: 1204205-02

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	527426.8	100.9	%	0.72				0.72%
Y 371.029	652440.5	101.3	%	0.82				0.81%
Ag 328.068†	1.6	1.01420	ug/L	1.634635	1.01420	ug/L	1.634635	161.18%
Al 396.146†	283.3	-10.1493	ug/L	2.74015	-10.1493	ug/L	2.74015	27.00%
As 188.979†	17.7	38.0983	ug/L	2.39585	38.0983	ug/L	2.39585	6.29%
B 249.769†	1809.5	41.2528	ug/L	1.27706	41.2528	ug/L	1.27706	3.10%
Ba 455.403†	67732.0	138.914	ug/L	0.9954	138.914	ug/L	0.9954	0.72%
Be 234.863†	-11.8	0.134556	ug/L	0.0272222	0.134556	ug/L	0.0272222	20.23%

Ca 315.874†	607256.8	38.9852 mg/L	0.28828	38.9852 mg/L	0.28828	0.74%
Cd 214.436†	0.4	1.49270 ug/L	0.030365	1.49270 ug/L	0.030365	2.03%
Ce 413.764†	155.5	19.4752 ug/L	4.77581	19.4752 ug/L	4.77581	24.52%
Co 228.616†	-3.3	-0.852282 ug/L	0.1575678	-0.852282 ug/L	0.1575678	18.49%
Cr 205.563†	-8.7	0.862274 ug/L	0.8967241	0.862274 ug/L	0.8967241	104.00%
Cu 324.741†	-7.0	3.21239 ug/L	0.927885	3.21239 ug/L	0.927885	28.88%
Fe 238.204†	380.0	30.0055 ug/L	0.06316	30.0055 ug/L	0.06316	0.21%
K 766.490†	12319.9	2.21451 mg/L	0.024202	2.21451 mg/L	0.024202	1.09%
Li 670.784†	3128.1	14.9286 ug/L	0.09997	14.9286 ug/L	0.09997	0.67%
Mg 279.071†	17037.8	5.49708 mg/L	0.111227	5.49708 mg/L	0.111227	2.02%
Mn 257.610†	239.4	2.99586 ug/L	0.104128	2.99586 ug/L	0.104128	3.48%
Mo 202.031†	32.9	9.32066 ug/L	3.578676	9.32066 ug/L	3.578676	38.40%
Na 589.592†	267044.2	23.4609 mg/L	0.09357	23.4609 mg/L	0.09357	0.40%
Ni 231.604†	107.2	14.7044 ug/L	1.54673	14.7044 ug/L	1.54673	10.52%
Pb 220.353†	15.3	10.9332 ug/L	7.03235	10.9332 ug/L	7.03235	64.32%
Sb 217.584†	-1.4	-3.47366 ug/L	12.679382	-3.47366 ug/L	12.679382	365.02%
Se 196.026†	23.6	34.9470 ug/L	18.60952	34.9470 ug/L	18.60952	53.25%
Si 251.611†	71165.7	10719.0 ug/L	263.18	10719.0 ug/L	263.18	2.46%
Sn 189.927†	-7.0	-2.51681 ug/L	2.509321	-2.51681 ug/L	2.509321	99.70%
Sr 407.771†	567897.0	268.781 ug/L	1.7024	268.781 ug/L	1.7024	0.63%
Ti 334.946†	-1347.3	-5.01660 ug/L	0.178597	-5.01660 ug/L	0.178597	3.56%
Tl 190.801†	0.5	7.07858 ug/L	2.903806	7.07858 ug/L	2.903806	41.02%
V 292.395†	201.3	7.21425 ug/L	0.999872	7.21425 ug/L	0.999872	13.86%
Zn 206.200†	134.7	17.8717 ug/L	1.25713	17.8717 ug/L	1.25713	7.03%

Sequence No.: 25
Sample ID: 2D16001-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 4/16/2012 8:57:52 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	515784.7	515784.7	98.71	%			08:59:03
1	Y 371.029	637579.6	637579.6	99.01	%			08:59:03
1	Ag 328.068†	18685.3	19300.5	496.900	ug/L	496.900	ug/L	08:59:09
1	Al 396.146†	30786.6	30650.5	2488.24	ug/L	2488.24	ug/L	08:59:09
1	As 188.979†	795.6	797.0	2494.88	ug/L	2494.88	ug/L	08:59:29
1	B 249.769†	19143.4	18964.8	497.313	ug/L	497.313	ug/L	08:59:09
1	Ba 455.403†	241692.5	244655.2	498.996	ug/L	498.996	ug/L	08:59:03
1	Be 234.863†	13568.3	13598.1	49.4591	ug/L	49.4591	ug/L	08:59:09
1	Ca 315.874†	76092.4	76876.2	4.92387	mg/L	4.92387	mg/L	08:59:09
1	Cd 214.436†	7925.7	8077.9	491.132	ug/L	491.132	ug/L	08:59:29
1	Ce 413.764†	228.3	165.9	21.9169	ug/L	21.9169	ug/L	08:59:09
1	Co 228.616†	3301.8	3384.5	494.520	ug/L	494.520	ug/L	08:59:29
1	Cr 205.563†	2684.2	2671.6	488.585	ug/L	488.585	ug/L	08:59:29
1	Cu 324.741†	6569.6	6795.2	494.032	ug/L	494.032	ug/L	08:59:09
1	Fe 238.204†	6656.1	6648.7	482.227	ug/L	482.227	ug/L	08:59:09
1	K 766.490†	30331.5	27261.0	4.89361	mg/L	4.89361	mg/L	08:59:03
1	Li 670.784†	114771.3	113697.6	496.121	ug/L	496.121	ug/L	08:59:03
1	Mg 279.071†	15209.7	15307.8	4.94001	mg/L	4.94001	mg/L	08:59:09
1	Mn 257.610†	73328.1	74223.9	494.631	ug/L	494.631	ug/L	08:59:09
1	Mo 202.031†	1499.5	1518.0	495.109	ug/L	495.109	ug/L	08:59:29
1	Na 589.592†	57340.5	56982.9	5.01161	mg/L	5.01161	mg/L	08:59:03
1	Ni 231.604†	4100.3	4170.9	486.530	ug/L	486.530	ug/L	08:59:09
1	Pb 220.353†	606.8	682.2	506.709	ug/L	506.709	ug/L	08:59:29
1	Sb 217.584†	1083.9	1096.3	2474.28	ug/L	2474.28	ug/L	08:59:29
1	Se 196.026†	866.9	889.7	2462.00	ug/L	2462.00	ug/L	08:59:29
1	Si 251.611†	16661.6	16295.1	2419.73	ug/L	2419.73	ug/L	08:59:09
1	Sn 189.927†	978.0	993.6	2501.08	ug/L	2501.08	ug/L	08:59:29
1	Sr 407.771†	1030840.9	1042717.1	499.467	ug/L	499.467	ug/L	08:59:03
1	Ti 334.946†	97075.5	96972.9	497.506	ug/L	497.506	ug/L	08:59:09
1	Tl 190.801†	386.5	392.3	2511.60	ug/L	2511.60	ug/L	08:59:29
1	V 292.395†	18652.2	19006.3	496.877	ug/L	496.877	ug/L	08:59:09
1	Zn 206.200†	2992.6	2992.9	487.435	ug/L	487.435	ug/L	08:59:29
2	Sc 357.234	522121.5	522121.5	99.93	%			08:59:36
2	Y 371.029	646711.1	646711.1	100.4	%			08:59:36
2	Ag 328.068†	18721.8	19107.3	491.930	ug/L	491.930	ug/L	08:59:42
2	Al 396.146†	30683.0	30168.4	2448.62	ug/L	2448.62	ug/L	08:59:42

2	As 188.979†	785.0	776.5	2431.06 ug/L	2431.06 ug/L	09:00:02
2	B 249.769†	19320.7	18906.9	495.770 ug/L	495.770 ug/L	08:59:42
2	Ba 455.403†	242351.3	242342.9	494.289 ug/L	494.289 ug/L	08:59:36
2	Be 234.863†	13532.9	13395.9	48.7256 ug/L	48.7256 ug/L	08:59:42
2	Ca 315.874†	76223.3	76071.7	4.87221 mg/L	4.87221 mg/L	08:59:42
2	Cd 214.436†	7944.6	7999.3	486.368 ug/L	486.368 ug/L	09:00:02
2	Ce 413.764†	218.2	152.9	20.2096 ug/L	20.2096 ug/L	08:59:42
2	Co 228.616†	3292.1	3334.2	487.169 ug/L	487.169 ug/L	09:00:02
2	Cr 205.563†	2690.7	2645.1	483.764 ug/L	483.764 ug/L	09:00:02
2	Cu 324.741†	6574.5	6719.4	488.548 ug/L	488.548 ug/L	08:59:42
2	Fe 238.204†	6745.4	6656.2	482.769 ug/L	482.769 ug/L	08:59:42
2	K 766.490†	30181.2	26737.6	4.79976 mg/L	4.79976 mg/L	08:59:36
2	Li 670.784†	115188.9	112704.5	491.799 ug/L	491.799 ug/L	08:59:36
2	Mg 279.071†	15136.2	15047.3	4.85612 mg/L	4.85612 mg/L	08:59:42
2	Mn 257.610†	73481.8	73476.2	489.662 ug/L	489.662 ug/L	08:59:42
2	Mo 202.031†	1492.4	1492.4	486.758 ug/L	486.758 ug/L	09:00:02
2	Na 589.592†	57187.5	56124.7	4.93625 mg/L	4.93625 mg/L	08:59:36
2	Ni 231.604†	4093.5	4113.7	479.893 ug/L	479.893 ug/L	08:59:42
2	Pb 220.353†	576.5	644.4	478.669 ug/L	478.669 ug/L	09:00:02
2	Sb 217.584†	1079.6	1078.6	2434.44 ug/L	2434.44 ug/L	09:00:02
2	Se 196.026†	882.1	894.2	2474.71 ug/L	2474.71 ug/L	09:00:02
2	Si 251.611†	16528.3	15956.9	2369.22 ug/L	2369.22 ug/L	08:59:42
2	Sn 189.927†	978.6	982.1	2472.28 ug/L	2472.28 ug/L	09:00:02
2	Sr 407.771†	1032775.5	1031979.2	494.330 ug/L	494.330 ug/L	08:59:36
2	Ti 334.946†	97083.6	95787.5	491.447 ug/L	491.447 ug/L	08:59:42
2	Tl 190.801†	386.2	387.3	2479.41 ug/L	2479.41 ug/L	09:00:02
2	V 292.395†	18687.5	18812.3	491.798 ug/L	491.798 ug/L	08:59:42
2	Zn 206.200†	2982.0	2945.5	479.663 ug/L	479.663 ug/L	09:00:02

Mean Data: 2D16001-CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	518953.1	99.32	%	0.858				0.86%
Y 371.029	642145.3	99.72	%	1.003				1.01%
Ag 328.068†	19203.9	494.415	ug/L	3.5142	494.415	ug/L	3.5142	0.71%
QC value within limits for Ag 328.068 Recovery = 98.88%								
Al 396.146†	30409.5	2468.43	ug/L	28.016	2468.43	ug/L	28.016	1.13%
QC value within limits for Al 396.146 Recovery = 98.74%								
As 188.979†	786.8	2462.97	ug/L	45.126	2462.97	ug/L	45.126	1.83%
QC value within limits for As 188.979 Recovery = 98.52%								
B 249.769†	18935.8	496.541	ug/L	1.0906	496.541	ug/L	1.0906	0.22%
QC value within limits for B 249.769 Recovery = 99.31%								
Ba 455.403†	243499.1	496.643	ug/L	3.3280	496.643	ug/L	3.3280	0.67%
QC value within limits for Ba 455.403 Recovery = 99.33%								
Be 234.863†	13497.0	49.0923	ug/L	0.51864	49.0923	ug/L	0.51864	1.06%
QC value within limits for Be 234.863 Recovery = 98.18%								
Ca 315.874†	76474.0	4.89804	mg/L	0.036534	4.89804	mg/L	0.036534	0.75%
QC value within limits for Ca 315.874 Recovery = 97.96%								
Cd 214.436†	8038.6	488.750	ug/L	3.3690	488.750	ug/L	3.3690	0.69%
QC value within limits for Cd 214.436 Recovery = 97.75%								
Ce 413.764†	159.4	21.0632	ug/L	1.20725	21.0632	ug/L	1.20725	5.73%
Co 228.616†	3359.4	490.844	ug/L	5.1981	490.844	ug/L	5.1981	1.06%
QC value within limits for Co 228.616 Recovery = 98.17%								
Cr 205.563†	2658.4	486.175	ug/L	3.4096	486.175	ug/L	3.4096	0.70%
QC value within limits for Cr 205.563 Recovery = 97.23%								
Cu 324.741†	6757.3	491.290	ug/L	3.8777	491.290	ug/L	3.8777	0.79%
QC value within limits for Cu 324.741 Recovery = 98.26%								
Fe 238.204†	6652.5	482.498	ug/L	0.3832	482.498	ug/L	0.3832	0.08%
QC value within limits for Fe 238.204 Recovery = 96.50%								
K 766.490†	26999.3	4.84669	mg/L	0.066358	4.84669	mg/L	0.066358	1.37%
QC value within limits for K 766.490 Recovery = 96.93%								
Li 670.784†	113201.0	493.960	ug/L	3.0560	493.960	ug/L	3.0560	0.62%
QC value within limits for Li 670.784 Recovery = 98.79%								
Mg 279.071†	15177.6	4.89806	mg/L	0.059323	4.89806	mg/L	0.059323	1.21%
QC value within limits for Mg 279.071 Recovery = 97.96%								
Mn 257.610†	73850.1	492.146	ug/L	3.5139	492.146	ug/L	3.5139	0.71%
QC value within limits for Mn 257.610 Recovery = 98.43%								
Mo 202.031†	1505.2	490.934	ug/L	5.9046	490.934	ug/L	5.9046	1.20%
QC value within limits for Mo 202.031 Recovery = 98.19%								
Na 589.592†	56553.8	4.97393	mg/L	0.053293	4.97393	mg/L	0.053293	1.07%
QC value within limits for Na 589.592 Recovery = 99.48%								

Ni 231.604†	4142.3	483.211 ug/L	4.6927	483.211 ug/L	4.6927	0.97%
QC value within limits for Ni 231.604 Recovery = 96.64%						
Pb 220.353†	663.3	492.689 ug/L	19.8269	492.689 ug/L	19.8269	4.02%
QC value within limits for Pb 220.353 Recovery = 98.54%						
Sb 217.584†	1087.5	2454.36 ug/L	28.170	2454.36 ug/L	28.170	1.15%
QC value within limits for Sb 217.584 Recovery = 98.17%						
Se 196.026†	891.9	2468.36 ug/L	8.984	2468.36 ug/L	8.984	0.36%
QC value within limits for Se 196.026 Recovery = 98.73%						
Si 251.611†	16126.0	2394.48 ug/L	35.717	2394.48 ug/L	35.717	1.49%
QC value within limits for Si 251.611 Recovery = 95.78%						
Sn 189.927†	987.9	2486.68 ug/L	20.364	2486.68 ug/L	20.364	0.82%
QC value within limits for Sn 189.927 Recovery = 99.47%						
Sr 407.771†	1037348.2	496.899 ug/L	3.6320	496.899 ug/L	3.6320	0.73%
QC value within limits for Sr 407.771 Recovery = 99.38%						
Ti 334.946†	96380.2	494.477 ug/L	4.2842	494.477 ug/L	4.2842	0.87%
QC value within limits for Ti 334.946 Recovery = 98.90%						
Tl 190.801†	389.8	2495.51 ug/L	22.764	2495.51 ug/L	22.764	0.91%
QC value within limits for Tl 190.801 Recovery = 99.82%						
V 292.395†	18909.3	494.337 ug/L	3.5913	494.337 ug/L	3.5913	0.73%
QC value within limits for V 292.395 Recovery = 98.87%						
Zn 206.200†	2969.2	483.549 ug/L	5.4960	483.549 ug/L	5.4960	1.14%
QC value within limits for Zn 206.200 Recovery = 96.71%						

All analyte(s) passed QC.

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Sequence No.: 26
Sample ID: 2D16001-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 4/16/2012 9:01:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D16001-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	517211.6	517211.6	98.99	%			09:02:26
1	Y 371.029	636264.6	636264.6	98.81	%			09:02:26
1	Ag 328.068†	-292.1	76.9	2.89809	ug/L	2.89809	ug/L	09:02:32
1	Al 396.146†	662.4	132.2	-7.63189	ug/L	-7.63189	ug/L	09:02:32
1	As 188.979†	14.0	5.2	26.1715	ug/L	26.1715	ug/L	09:02:52
1	B 249.769†	618.6	197.0	-1.63606	ug/L	-1.63606	ug/L	09:02:32
1	Ba 455.403†	212.1	29.4	1.12309	ug/L	1.12309	ug/L	09:02:32
1	Be 234.863†	128.9	-16.6	0.119795	ug/L	0.119795	ug/L	09:02:52
1	Ca 315.874†	268.4	64.1	-0.0090505	mg/L	-0.0090505	mg/L	09:02:32
1	Cd 214.436†	-46.2	2.3	1.61118	ug/L	1.61118	ug/L	09:02:52
1	Ce 413.764†	114.6	50.3	6.62173	ug/L	6.62173	ug/L	09:02:32
1	Co 228.616†	-33.7	5.7	0.449245	ug/L	0.449245	ug/L	09:02:52
1	Cr 205.563†	35.3	-11.8	0.309939	ug/L	0.309939	ug/L	09:02:52
1	Cu 324.741†	-160.7	-22.3	0.903777	ug/L	0.903777	ug/L	09:02:32
1	Fe 238.204†	112.4	19.4	4.00000	ug/L	4.00000	ug/L	09:02:52
1	K 766.490†	3466.5	36.3	0.0119469	mg/L	0.0119469	mg/L	09:02:26
1	Li 670.784†	2551.2	8.9	1.35571	ug/L	1.35571	ug/L	09:02:26
1	Mg 279.071†	144.0	45.5	0.0253219	mg/L	0.0253219	mg/L	09:02:32
1	Mn 257.610†	78.2	19.9	1.53410	ug/L	1.53410	ug/L	09:02:32
1	Mo 202.031†	1.4	0.4	0.0221566	ug/L	0.0221566	ug/L	09:02:52
1	Na 589.592†	1152.8	60.2	0.0122054	mg/L	0.0122054	mg/L	09:02:32
1	Ni 231.604†	2.8	20.0	4.55690	ug/L	4.55690	ug/L	09:02:52
1	Pb 220.353†	-61.2	5.7	3.83507	ug/L	3.83507	ug/L	09:02:52
1	Sb 217.584†	6.0	4.3	9.15540	ug/L	9.15540	ug/L	09:02:52
1	Se 196.026†	-10.4	0.9	-13.9348	ug/L	-13.9348	ug/L	09:02:52
1	Si 251.611†	775.4	199.9	29.0975	ug/L	29.0975	ug/L	09:02:52
1	Sn 189.927†	2.5	5.4	16.5704	ug/L	16.5704	ug/L	09:02:52
1	Sr 407.771†	1710.1	179.4	0.869158	ug/L	0.869158	ug/L	09:02:32
1	Ti 334.946†	1439.5	87.4	2.31653	ug/L	2.31653	ug/L	09:02:32
1	Tl 190.801†	-0.6	0.2	5.12381	ug/L	5.12381	ug/L	09:02:52
1	V 292.395†	-117.7	-7.7	1.72285	ug/L	1.72285	ug/L	09:02:32
1	Zn 206.200†	45.8	7.7	-1.83845	ug/L	-1.83845	ug/L	09:02:52
2	Sc 357.234	517182.0	517182.0	98.98	%			09:02:57
2	Y 371.029	636036.7	636036.7	98.77	%			09:02:57
2	Ag 328.068†	-419.5	-51.9	-0.420566	ug/L	-0.420566	ug/L	09:03:02
2	Al 396.146†	656.5	126.3	-8.78109	ug/L	-8.78109	ug/L	09:03:02
2	As 188.979†	16.2	7.4	33.1605	ug/L	33.1605	ug/L	09:03:22

2	B 249.769†	594.1	172.3	-2.29215 ug/L	-2.29215 ug/L	09:03:02
2	Ba 455.403†	302.4	120.7	1.30798 ug/L	1.30798 ug/L	09:03:02
2	Be 234.863†	122.8	-22.8	0.0975561 ug/L	0.0975561 ug/L	09:03:22
2	Ca 315.874†	384.8	181.7	-0.0014970 mg/L	-0.0014970 mg/L	09:03:02
2	Cd 214.436†	-64.2	-15.9	0.505121 ug/L	0.505121 ug/L	09:03:22
2	Ce 413.764†	85.8	21.3	2.80027 ug/L	2.80027 ug/L	09:03:02
2	Co 228.616†	-39.8	-0.4	-0.442364 ug/L	-0.442364 ug/L	09:03:22
2	Cr 205.563†	42.7	-4.4	1.66935 ug/L	1.66935 ug/L	09:03:22
2	Cu 324.741†	-156.3	-17.9	1.21946 ug/L	1.21946 ug/L	09:03:02
2	Fe 238.204†	102.2	9.1	3.25603 ug/L	3.25603 ug/L	09:03:22
2	K 766.490†	3190.1	-242.7	-0.0380855 mg/L	-0.0380855 mg/L	09:02:57
2	Li 670.784†	2538.6	-3.7	1.30127 ug/L	1.30127 ug/L	09:02:57
2	Mg 279.071†	85.9	-13.2	0.0064236 mg/L	0.0064236 mg/L	09:03:02
2	Mn 257.610†	86.9	28.7	1.59353 ug/L	1.59353 ug/L	09:03:02
2	Mo 202.031†	17.9	17.0	5.46531 ug/L	5.46531 ug/L	09:03:22
2	Na 589.592†	1213.9	122.0	0.0176362 mg/L	0.0176362 mg/L	09:03:02
2	Ni 231.604†	-13.0	4.0	2.71371 ug/L	2.71371 ug/L	09:03:22
2	Pb 220.353†	-49.5	17.5	12.5969 ug/L	12.5969 ug/L	09:03:22
2	Sb 217.584†	5.6	3.9	8.32870 ug/L	8.32870 ug/L	09:03:22
2	Se 196.026†	-2.0	9.4	9.55780 ug/L	9.55780 ug/L	09:03:22
2	Si 251.611†	755.1	179.5	26.0330 ug/L	26.0330 ug/L	09:03:22
2	Sn 189.927†	2.5	5.4	16.6765 ug/L	16.6765 ug/L	09:03:22
2	Sr 407.771†	1650.1	118.8	0.836654 ug/L	0.836654 ug/L	09:03:02
2	Ti 334.946†	1250.5	-103.5	1.34069 ug/L	1.34069 ug/L	09:03:02
2	Tl 190.801†	2.3	3.1	23.5960 ug/L	23.5960 ug/L	09:03:22
2	V 292.395†	-110.9	-0.9	1.94704 ug/L	1.94704 ug/L	09:03:02
2	Zn 206.200†	53.5	15.4	-0.564474 ug/L	-0.564474 ug/L	09:03:22

Mean Data: 2D16001-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	517196.8	98.98	%	0.004				0.00%
Y 371.029	636150.6	98.79	%	0.025				0.03%
Ag 328.068†	12.5	1.23876	ug/L	2.346641	1.23876	ug/L	2.346641	189.43%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	129.3	-8.20649	ug/L	0.812606	-8.20649	ug/L	0.812606	9.90%
QC value within limits for Al 396.146 Recovery = Not calculated								
As 188.979†	6.3	29.6660	ug/L	4.94197	29.6660	ug/L	4.94197	16.66%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	184.7	-1.96411	ug/L	0.463924	-1.96411	ug/L	0.463924	23.62%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	75.1	1.21554	ug/L	0.130736	1.21554	ug/L	0.130736	10.76%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	-19.7	0.108675	ug/L	0.0157251	0.108675	ug/L	0.0157251	14.47%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	122.9	-0.0052737	mg/L	0.00534113	-0.0052737	mg/L	0.00534113	101.28%
QC value within limits for Ca 315.874 Recovery = Not calculated								
Cd 214.436†	-6.8	1.05815	ug/L	0.782103	1.05815	ug/L	0.782103	73.91%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	35.8	4.71100	ug/L	2.702184	4.71100	ug/L	2.702184	57.36%
Co 228.616†	2.6	0.0034403	ug/L	0.63046245	0.0034403	ug/L	0.63046245	>999.9%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	-8.1	0.989643	ug/L	0.9612468	0.989643	ug/L	0.9612468	97.13%
QC value within limits for Cr 205.563 Recovery = Not calculated								
Cu 324.741†	-20.1	1.06162	ug/L	0.223224	1.06162	ug/L	0.223224	21.03%
QC value within limits for Cu 324.741 Recovery = Not calculated								
Fe 238.204†	14.3	3.62802	ug/L	0.526065	3.62802	ug/L	0.526065	14.50%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-103.2	-0.0130693	mg/L	0.03537823	-0.0130693	mg/L	0.03537823	270.70%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	2.6	1.32849	ug/L	0.038491	1.32849	ug/L	0.038491	2.90%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	16.2	0.0158728	mg/L	0.01336311	0.0158728	mg/L	0.01336311	84.19%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	24.3	1.56381	ug/L	0.042027	1.56381	ug/L	0.042027	2.69%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	8.7	2.74373	ug/L	3.848892	2.74373	ug/L	3.848892	140.28%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	91.1	0.0149208	mg/L	0.00384014	0.0149208	mg/L	0.00384014	25.74%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	12.0	3.63530	ug/L	1.303331	3.63530	ug/L	1.303331	35.85%

QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	11.6	8.21600 ug/L	6.195574	8.21600 ug/L	6.195574	75.41%	
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 217.584†	4.1	8.74205 ug/L	0.584565	8.74205 ug/L	0.584565	6.69%	
QC value within limits for Sb 217.584 Recovery = Not calculated							
Se 196.026†	5.2	-2.18848 ug/L	16.611748	-2.18848 ug/L	16.611748	759.06%	
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	189.7	27.5652 ug/L	2.16688	27.5652 ug/L	2.16688	7.86%	
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	5.4	16.6235 ug/L	0.07498	16.6235 ug/L	0.07498	0.45%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	149.1	0.852906 ug/L	0.0229838	0.852906 ug/L	0.0229838	2.69%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.946†	-8.0	1.82861 ug/L	0.690029	1.82861 ug/L	0.690029	37.74%	
QC value within limits for Ti 334.946 Recovery = Not calculated							
Tl 190.801†	1.6	14.3599 ug/L	13.06183	14.3599 ug/L	13.06183	90.96%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	-4.3	1.83494 ug/L	0.158527	1.83494 ug/L	0.158527	8.64%	
QC value within limits for V 292.395 Recovery = Not calculated							
Zn 206.200†	11.6	-1.20146 ug/L	0.900839	-1.20146 ug/L	0.900839	74.98%	
QC value within limits for Zn 206.200 Recovery = Not calculated							

All analyte(s) passed QC.

Analytical Sequence
Method: AQU_6010C_116

Seq.	Loc.	ID	Status
1	-1	Hg_ReAlign	Analyzed
2	1	2D16001-CAL1	Applied
3	2	2D16001-CAL2	Applied
4	3	2D16001-CAL3	Applied
5	4	2D16001-CAL4	Applied
6	5	2D16001-CAL5	Applied
7	9	2D16001-SCV1	QC Failed
8	1	2D16001-CCB	QC Passed
9	10	2D16001-CRL1	QC Failed
10	11	2D16001-IFA1	QC Passed
11	12	2D16001-IFA2	QC Passed
12	13	2D16001-IFB1	QC Passed
13	14	2D16001-IFB2	QC Passed
14	4	2D16001-CCV	QC Passed
15	1	2D16001-CCB	QC Passed
16	17	1204543-blk1	Analyzed
17	18	1204543-bs1	Analyzed
18	19	1204091-01	Analyzed
19	20	1204543-ms1	Analyzed
20	21	1204543-msd1	Analyzed
21	22	2d16001-srd1	Analyzed
22	23	1204543-ps1	Analyzed
23	24	1204205-01	Analyzed
24	25	1204205-02	Analyzed
25	4	2D16001-CCV	QC Passed
26	1	2D16001-CCB	QC Passed

Due 5-1

TRIMATRIX LABORATORIES

Calib: 2026004

Metals Laboratory Instrument Run Sequence

Instrument #: 311

Date: 4-25-12

Analyst: KW

Data File: 2025001

Calibration BLK/ICB/CCB: 5%HNO3/51061/5%HCl/51122

Internal Standard #: 1090040

Autosampler Position:

1. BLK/CCB/1111014
2. STD 1/2040860
3. STD 2/2040861
4. STD3/CCV/2040862
5. STD4/2040863
9. DAILY SCV/CCV1/2030372
10. CRL/2040847
11. IFA1/2031153
12. IFA2/2030384
13. IFB1/2030091
14. IFB2/2030092

Analysis # / Position #	ID	Dilution			Analysis # / Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
1/17	1205036-BLK1				35/51				
2/18	BS1				36/52				
3/19	1204329-01				37/53				
4/20	MS1				38/54				
5/21	MSD1				39/55				
6/22	SRD1				40/56				
7/23	PS1				41/57				
Diss 8/24	1205037-BLK1				42/58				
9/25	BS1				43/59				
10/26	1204329-01				44/60				
11/27	MS1				45/61				
12/28	MSD1				46/62				
13/29	SRD2				47/63				
14/30	PS1				48/64				
15/31	LOQ				49/65				
16/32					50/66				
17/33					51/67				
18/34					52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Analysis Begun

Start Time: 4/25/2012 7:06:00 AM
Logged In Analyst: analystME
Spectrometer Model: Optima 5300 DV, S/N 077C7032601
Plasma On Time: 4/25/2012 6:20:01 AM
Technique: ICP Continuous
Autosampler Model: AS-93plus

Sample Information File: C:\pe\analystME\Sample Information\2D25001.sif
Batch ID:
Results Data Set: 2D25001
Results Library: C:\pe\analystME\Results\Results.mdb

Sequence No.: 1
Sample ID: 2D25001-CAL1
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 4/25/2012 7:06:01 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-CAL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	408819.9	408819.9	100.632	%	07:07:06
1	Al 396.153†	-62.4	-62.0	[0.00]	ug/L	07:07:11
1	Ba 455.398†	372.6	370.3	[0.00]	ug/L	07:07:11
1	Ca 315.887†	9.4	9.4	[0.00]	mg/L	07:07:31
1	Fe 238.204†	28.8	28.7	[0.00]	ug/L	07:07:31
1	K 766.490	-294.3	-294.3	[0.00]	mg/L	07:07:11
1	Li 670.784†	-124.3	-123.5	[0.00]	ug/L	07:07:11
1	Mg 279.071†	56.5	56.2	[0.00]	mg/L	07:07:31
1	Na 589.592†	493.1	490.0	[0.00]	mg/L	07:07:11
1	Sr 407.771†	683.5	679.2	[0.00]	ug/L	07:07:11
1	Ti 334.940†	-11.1	-11.0	[0.00]	ug/L	07:07:31
1	Y 360.076	292456.9	292456.9	100.224	%	07:08:07
1	Ag 328.068†	52.4	52.3	[0.00]	ug/L	07:08:07
1	As 188.979†	-15.4	-15.3	[0.00]	ug/L	07:08:28
1	B 249.677†	1117.6	1115.1	[0.00]	ug/L	07:08:07
1	Be 234.861†	-452.1	-451.1	[0.00]	ug/L	07:08:28
1	Cd 214.437†	207.4	206.9	[0.00]	ug/L	07:08:28
1	Ce 413.764†	1726.1	1722.2	[0.00]	ug/L	07:08:07
1	Co 228.616†	-25.1	-25.0	[0.00]	ug/L	07:08:28
1	Cr 205.557†	-10.6	-10.6	[0.00]	ug/L	07:08:28
1	Cu 327.397†	219.9	219.4	[0.00]	ug/L	07:08:07
1	Mn 257.610†	227.0	226.5	[0.00]	ug/L	07:08:28
1	Mo 202.031†	32.9	32.9	[0.00]	ug/L	07:08:28
1	Ni 231.604†	44.5	44.4	[0.00]	ug/L	07:08:28
1	Pb 220.353†	12.8	12.7	[0.00]	ug/L	07:08:28
1	Sb 217.584†	-26.1	-26.0	[0.00]	ug/L	07:08:28
1	Se 196.026†	3.8	3.8	[0.00]	ug/L	07:08:28
1	Si 251.611†	162.5	162.2	[0.00]	ug/L	07:08:28
1	Sn 189.927†	-16.0	-16.0	[0.00]	ug/L	07:08:28
1	Tl 190.801†	-11.5	-11.4	[0.00]	ug/L	07:08:28
1	V 292.395†	-511.8	-510.6	[0.00]	ug/L	07:08:07
1	Zn 206.200†	-9.7	-9.7	[0.00]	ug/L	07:08:28
2	Sc 357.234	403684.4	403684.4	99.3679	%	07:07:36
2	Al 396.153†	-45.0	-45.3	[0.00]	ug/L	07:07:41
2	Ba 455.398†	354.7	357.0	[0.00]	ug/L	07:07:41
2	Ca 315.887†	8.9	8.9	[0.00]	mg/L	07:08:01
2	Fe 238.204†	28.5	28.7	[0.00]	ug/L	07:08:01
2	K 766.490	-265.1	-265.1	[0.00]	mg/L	07:07:41
2	Li 670.784†	-132.5	-133.4	[0.00]	ug/L	07:07:41
2	Mg 279.071†	54.4	54.7	[0.00]	mg/L	07:08:01
2	Na 589.592†	531.0	534.4	[0.00]	mg/L	07:07:41
2	Sr 407.771†	656.7	660.9	[0.00]	ug/L	07:07:41
2	Ti 334.940†	-2.0	-2.0	[0.00]	ug/L	07:08:01
2	Y 360.076	291149.1	291149.1	99.7759	%	07:08:33
2	Ag 328.068†	52.4	52.6	[0.00]	ug/L	07:08:33
2	As 188.979†	-13.7	-13.7	[0.00]	ug/L	07:08:53
2	B 249.677†	1162.0	1164.6	[0.00]	ug/L	07:08:33

2	Be 234.861†	-451.6	-452.6	[0.00] ug/L	07:08:53
2	Cd 214.437†	206.1	206.6	[0.00] ug/L	07:08:53
2	Ce 413.764†	1772.3	1776.3	[0.00] ug/L	07:08:33
2	Co 228.616†	-27.9	-27.9	[0.00] ug/L	07:08:53
2	Cr 205.557†	-5.2	-5.2	[0.00] ug/L	07:08:53
2	Cu 327.397†	224.5	225.0	[0.00] ug/L	07:08:33
2	Mn 257.610†	227.3	227.8	[0.00] ug/L	07:08:53
2	Mo 202.031†	35.6	35.6	[0.00] ug/L	07:08:53
2	Ni 231.604†	38.0	38.0	[0.00] ug/L	07:08:53
2	Pb 220.353†	15.1	15.1	[0.00] ug/L	07:08:53
2	Sb 217.584†	-29.4	-29.5	[0.00] ug/L	07:08:53
2	Se 196.026†	19.5	19.6	[0.00] ug/L	07:08:53
2	Si 251.611†	155.0	155.4	[0.00] ug/L	07:08:53
2	Sn 189.927†	-14.8	-14.9	[0.00] ug/L	07:08:53
2	Tl 190.801†	-10.8	-10.8	[0.00] ug/L	07:08:53
2	V 292.395†	-546.6	-547.8	[0.00] ug/L	07:08:33
2	Zn 206.200†	-16.8	-16.9	[0.00] ug/L	07:08:53

Mean Data: 2D25001-CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	406252.2	3631.35	0.89%	100.000	%
Y 360.076	291803.0	924.79	0.32%	100.000	%
Ag 328.068†	52.4	0.21	0.40%	[0.00]	ug/L
Al 396.153†	-53.7	11.81	21.99%	[0.00]	ug/L
As 188.979†	-14.5	1.17	8.09%	[0.00]	ug/L
B 249.677†	1139.8	35.03	3.07%	[0.00]	ug/L
Ba 455.398†	363.6	9.42	2.59%	[0.00]	ug/L
Be 234.861†	-451.9	1.09	0.24%	[0.00]	ug/L
Ca 315.887†	9.1	0.34	3.70%	[0.00]	mg/L
Cd 214.437†	206.8	0.27	0.13%	[0.00]	ug/L
Ce 413.764†	1749.3	38.20	2.18%	[0.00]	ug/L
Co 228.616†	-26.5	2.08	7.86%	[0.00]	ug/L
Cr 205.557†	-7.9	3.77	47.69%	[0.00]	ug/L
Cu 327.397†	222.2	3.98	1.79%	[0.00]	ug/L
Fe 238.204†	28.7	0.04	0.15%	[0.00]	ug/L
K 766.490	-279.7	20.64	7.38%	[0.00]	mg/L
Li 670.784†	-128.4	6.99	5.44%	[0.00]	ug/L
Mg 279.071†	55.4	1.01	1.82%	[0.00]	mg/L
Mn 257.610†	227.2	0.96	0.42%	[0.00]	ug/L
Mo 202.031†	34.3	1.96	5.72%	[0.00]	ug/L
Na 589.592†	512.2	31.41	6.13%	[0.00]	mg/L
Ni 231.604†	41.2	4.51	10.94%	[0.00]	ug/L
Pb 220.353†	13.9	1.66	11.94%	[0.00]	ug/L
Sb 217.584†	-27.8	2.45	8.83%	[0.00]	ug/L
Se 196.026†	11.7	11.18	95.71%	[0.00]	ug/L
Si 251.611†	158.8	4.81	3.03%	[0.00]	ug/L
Sn 189.927†	-15.4	0.80	5.18%	[0.00]	ug/L
Sr 407.771†	670.0	12.97	1.94%	[0.00]	ug/L
Ti 334.940†	-6.5	6.34	97.13%	[0.00]	ug/L
Tl 190.801†	-11.1	0.44	4.00%	[0.00]	ug/L
V 292.395†	-529.2	26.31	4.97%	[0.00]	ug/L
Zn 206.200†	-13.3	5.07	38.15%	[0.00]	ug/L

Sequence No.: 2
Sample ID: 2D25001-CAL2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 4/25/2012 7:10:05 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	405119.1	405119.1	99.7211	%	07:11:10
1	Al 396.153†	146.5	200.6	[50.00]	ug/L	07:11:15
1	Ba 455.398†	3653.2	3299.7	[10.00]	ug/L	07:11:15
1	Ca 315.887†	781.2	774.2	[0.500]	mg/L	07:11:35
1	Fe 238.204†	51.9	23.4	[10.00]	ug/L	07:11:35

1	K 766.490	-102.5	177.1	[0.100] mg/L	07:11:15
1	Li 670.784†	330.4	459.8	[8.00] ug/L	07:11:15
1	Mg 279.071†	335.1	280.6	[0.500] mg/L	07:11:35
1	Na 589.592†	4129.7	3629.0	[0.500] mg/L	07:11:15
1	Sr 407.771†	46139.6	45598.6	[50.00] ug/L	07:11:15
1	Y 360.076	289764.0	289764.0	99.3013 %	07:12:12
1	Ag 328.068†	301.1	250.8	[5.000] ug/L	07:12:12
1	As 188.979†	20.9	35.6	[100.00] ug/L	07:12:32
1	B 249.677†	1993.8	868.0	[50.00] ug/L	07:12:12
1	Be 234.861†	-318.1	131.5	[1.000] ug/L	07:12:32
1	Cd 214.437†	259.6	54.7	[5.00] ug/L	07:12:32
1	Co 228.616†	14.8	41.4	[10.00] ug/L	07:12:32
1	Cr 205.557†	41.1	49.3	[10.00] ug/L	07:12:32
1	Cu 327.397†	553.3	335.1	[10.00] ug/L	07:12:12
1	Mn 257.610†	1362.8	1145.2	[10.00] ug/L	07:12:32
1	Ni 231.604†	137.0	96.7	[10.00] ug/L	07:12:32
1	Pb 220.353†	73.2	59.8	[50.00] ug/L	07:12:32
1	Sb 217.584†	49.5	77.6	[100.00] ug/L	07:12:32
1	Se 196.026†	43.6	32.2	[100.00] ug/L	07:12:32
1	Si 251.611†	1081.6	930.4	[100.00] ug/L	07:12:32
1	Sn 189.927†	73.0	89.0	[100.00] ug/L	07:12:32
1	Tl 190.801†	18.9	30.2	[100.00] ug/L	07:12:32
1	V 292.395†	-147.6	380.6	[10.00] ug/L	07:12:12
1	Zn 206.200†	18.0	31.5	[10.00] ug/L	07:12:32
2	Sc 357.234	406270.4	406270.4	100.004 %	07:11:40
2	Al 396.153†	170.7	224.4	[50.00] ug/L	07:11:45
2	Ba 455.398†	3683.2	3319.4	[10.00] ug/L	07:11:45
2	Ca 315.887†	787.1	777.9	[0.500] mg/L	07:12:05
2	Fe 238.204†	52.0	23.3	[10.00] ug/L	07:12:05
2	K 766.490	-114.5	165.1	[0.100] mg/L	07:11:45
2	Li 670.784†	367.2	495.6	[8.00] ug/L	07:11:45
2	Mg 279.071†	336.2	280.7	[0.500] mg/L	07:12:05
2	Na 589.592†	4077.7	3565.3	[0.500] mg/L	07:11:45
2	Sr 407.771†	45914.0	45241.9	[50.00] ug/L	07:11:45
2	Y 360.076	295153.4	295153.4	101.148 %	07:12:37
2	Ag 328.068†	338.4	282.2	[5.000] ug/L	07:12:37
2	As 188.979†	21.6	35.9	[100.00] ug/L	07:12:57
2	B 249.677†	2012.2	849.5	[50.00] ug/L	07:12:37
2	Be 234.861†	-330.1	125.5	[1.000] ug/L	07:12:57
2	Cd 214.437†	258.0	48.3	[5.00] ug/L	07:12:57
2	Co 228.616†	11.8	38.1	[10.00] ug/L	07:12:57
2	Cr 205.557†	37.6	45.1	[10.00] ug/L	07:12:57
2	Cu 327.397†	560.3	331.7	[10.00] ug/L	07:12:37
2	Mn 257.610†	1369.3	1126.6	[10.00] ug/L	07:12:57
2	Ni 231.604†	133.1	90.4	[10.00] ug/L	07:12:57
2	Pb 220.353†	69.9	55.2	[50.00] ug/L	07:12:57
2	Sb 217.584†	47.8	75.0	[100.00] ug/L	07:12:57
2	Se 196.026†	41.6	29.5	[100.00] ug/L	07:12:57
2	Si 251.611†	1077.5	906.5	[100.00] ug/L	07:12:57
2	Sn 189.927†	77.1	91.7	[100.00] ug/L	07:12:57
2	Tl 190.801†	23.5	34.4	[100.00] ug/L	07:12:57
2	V 292.395†	-151.1	379.9	[10.00] ug/L	07:12:37
2	Zn 206.200†	22.7	35.7	[10.00] ug/L	07:12:57

Mean Data: 2D25001-CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	405694.7	814.08	0.20%	99.8628	%
Y 360.076	292458.7	3810.85	1.30%	100.225	%
Ag 328.068†	266.5	22.17	8.32%	[5.000]	ug/L
Al 396.153†	212.5	16.81	7.91%	[50.00]	ug/L
As 188.979†	35.7	0.24	0.68%	[100.00]	ug/L
B 249.677†	858.7	13.09	1.52%	[50.00]	ug/L
Ba 455.398†	3309.6	13.91	0.42%	[10.00]	ug/L
Be 234.861†	128.5	4.24	3.30%	[1.000]	ug/L
Ca 315.887†	776.1	2.58	0.33%	[0.500]	mg/L
Cd 214.437†	51.5	4.51	8.76%	[5.00]	ug/L
Co 228.616†	39.8	2.35	5.90%	[10.00]	ug/L
Cr 205.557†	47.2	2.99	6.33%	[10.00]	ug/L
Cu 327.397†	333.4	2.34	0.70%	[10.00]	ug/L

Fe 238.204†	23.4	0.03	0.14%	[10.00]	ug/L
K 766.490	171.1	8.50	4.97%	[0.100]	mg/L
Li 670.784†	477.7	25.34	5.31%	[8.00]	ug/L
Mg 279.071†	280.7	0.10	0.04%	[0.500]	mg/L
Mn 257.610†	1135.9	13.14	1.16%	[10.00]	ug/L
Na 589.592†	3597.2	45.05	1.25%	[0.500]	mg/L
Ni 231.604†	93.5	4.49	4.80%	[10.00]	ug/L
Pb 220.353†	57.5	3.25	5.65%	[50.00]	ug/L
Sb 217.584†	76.3	1.83	2.40%	[100.00]	ug/L
Se 196.026†	30.9	1.95	6.33%	[100.00]	ug/L
Si 251.611†	918.5	16.92	1.84%	[100.00]	ug/L
Sn 189.927†	90.3	1.91	2.11%	[100.00]	ug/L
Sr 407.771†	45420.3	252.22	0.56%	[50.00]	ug/L
Tl 190.801†	32.3	2.97	9.19%	[100.00]	ug/L
V 292.395†	380.2	0.49	0.13%	[10.00]	ug/L
Zn 206.200†	33.6	3.03	9.02%	[10.00]	ug/L

Sequence No.: 3 **Autosampler Location: 3**
Sample ID: 2D25001-CAL3 **Date Collected: 4/25/2012 7:14:11 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2D25001-CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	401489.0	401489.0	98.8275	%	07:15:16
1	Al 396.153†	2291.0	2371.9	[500.00]	ug/L	07:15:36
1	Ba 455.398†	33747.5	33784.2	[100.00]	ug/L	07:15:16
1	Ca 315.887†	1641.4	1651.8	[1.000]	mg/L	07:15:36
1	Fe 238.204†	293.6	268.4	[100.00]	ug/L	07:15:36
1	K 766.490	1326.1	1605.8	[1.000]	mg/L	07:15:16
1	Li 670.784†	5654.6	5850.1	[100.00]	ug/L	07:15:16
1	Mg 279.071†	603.6	555.3	[1.000]	mg/L	07:15:36
1	Na 589.592†	7791.7	7371.9	[1.000]	mg/L	07:15:16
1	Sr 407.771†	92476.9	92904.0	[100.00]	ug/L	07:15:16
1	Ti 334.940†	2181.9	2214.3	[100.00]	ug/L	07:15:36
1	Y 360.076	289222.3	289222.3	99.1156	%	07:16:08
1	Ag 328.068†	5952.9	5953.6	[100.00]	ug/L	07:16:08
1	As 188.979†	148.5	164.4	[500.00]	ug/L	07:16:28
1	B 249.677†	2978.4	1865.1	[100.00]	ug/L	07:16:08
1	Be 234.861†	841.7	1301.1	[10.00]	ug/L	07:16:28
1	Cd 214.437†	1273.4	1078.1	[100.00]	ug/L	07:16:28
1	Co 228.616†	370.8	400.6	[100.00]	ug/L	07:16:28
1	Cr 205.557†	463.3	475.3	[100.00]	ug/L	07:16:28
1	Cu 327.397†	3487.5	3296.4	[100.00]	ug/L	07:16:08
1	Mn 257.610†	11162.7	11035.2	[100.00]	ug/L	07:16:08
1	Mo 202.031†	392.9	362.2	[100.00]	ug/L	07:16:28
1	Ni 231.604†	937.1	904.2	[100.00]	ug/L	07:16:28
1	Pb 220.353†	124.4	111.6	[100.00]	ug/L	07:16:28
1	Sb 217.584†	352.5	383.4	[500.00]	ug/L	07:16:28
1	Se 196.026†	166.8	156.6	[500.00]	ug/L	07:16:28
1	Si 251.611†	4910.4	4795.4	[500.00]	ug/L	07:16:08
1	Sn 189.927†	441.8	461.1	[500.00]	ug/L	07:16:28
1	Tl 190.801†	175.0	187.7	[500.00]	ug/L	07:16:28
1	V 292.395†	3572.1	4133.2	[100.00]	ug/L	07:16:08
1	Zn 206.200†	338.0	354.3	[100.00]	ug/L	07:16:28
2	Sc 357.234	398642.0	398642.0	98.1267	%	07:15:41
2	Al 396.153†	2305.8	2403.5	[500.00]	ug/L	07:16:01
2	Ba 455.398†	33562.9	33840.0	[100.00]	ug/L	07:15:41
2	Ca 315.887†	1658.5	1681.0	[1.000]	mg/L	07:16:01
2	Fe 238.204†	295.7	272.6	[100.00]	ug/L	07:16:01
2	K 766.490	1317.6	1597.3	[1.000]	mg/L	07:15:41
2	Li 670.784†	5703.6	5940.9	[100.00]	ug/L	07:15:41
2	Mg 279.071†	609.6	565.8	[1.000]	mg/L	07:16:01
2	Na 589.592†	7768.4	7404.5	[1.000]	mg/L	07:15:41
2	Sr 407.771†	92267.6	93359.0	[100.00]	ug/L	07:15:41
2	Ti 334.940†	2199.7	2248.2	[100.00]	ug/L	07:16:01
2	Y 360.076	290743.2	290743.2	99.6368	%	07:16:33

2	Ag 328.068†	5921.1	5890.3	[100.00] ug/L	07:16:33
2	As 188.979†	149.4	164.4	[500.00] ug/L	07:16:53
2	B 249.677†	3028.5	1899.7	[100.00] ug/L	07:16:33
2	Be 234.861†	848.3	1303.3	[10.00] ug/L	07:16:53
2	Cd 214.437†	1277.2	1075.1	[100.00] ug/L	07:16:53
2	Co 228.616†	376.1	404.0	[100.00] ug/L	07:16:53
2	Cr 205.557†	468.0	477.7	[100.00] ug/L	07:16:53
2	Cu 327.397†	3511.0	3301.6	[100.00] ug/L	07:16:33
2	Mn 257.610†	11196.2	11009.8	[100.00] ug/L	07:16:33
2	Mo 202.031†	393.8	361.0	[100.00] ug/L	07:16:53
2	Ni 231.604†	929.8	891.9	[100.00] ug/L	07:16:53
2	Pb 220.353†	127.6	114.1	[100.00] ug/L	07:16:53
2	Sb 217.584†	357.8	386.8	[500.00] ug/L	07:16:53
2	Se 196.026†	169.6	158.6	[500.00] ug/L	07:16:53
2	Si 251.611†	4956.3	4815.6	[500.00] ug/L	07:16:33
2	Sn 189.927†	438.8	455.8	[500.00] ug/L	07:16:53
2	Tl 190.801†	178.0	189.8	[500.00] ug/L	07:16:53
2	V 292.395†	3553.0	4095.2	[100.00] ug/L	07:16:33
2	Zn 206.200†	335.5	350.0	[100.00] ug/L	07:16:53

Mean Data: 2D25001-CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	400065.5	2013.10	0.50%	98.4771	%
Y 360.076	289982.8	1075.41	0.37%	99.3762	%
Ag 328.068†	5921.9	44.82	0.76%	[100.00]	ug/L
Al 396.153†	2387.7	22.35	0.94%	[500.00]	ug/L
As 188.979†	164.4	0.04	0.03%	[500.00]	ug/L
B 249.677†	1882.4	24.47	1.30%	[100.00]	ug/L
Ba 455.398†	33812.1	39.46	0.12%	[100.00]	ug/L
Be 234.861†	1302.2	1.52	0.12%	[10.00]	ug/L
Ca 315.887†	1666.4	20.66	1.24%	[1.000]	mg/L
Cd 214.437†	1076.6	2.06	0.19%	[100.00]	ug/L
Co 228.616†	402.3	2.39	0.59%	[100.00]	ug/L
Cr 205.557†	476.5	1.64	0.34%	[100.00]	ug/L
Cu 327.397†	3299.0	3.66	0.11%	[100.00]	ug/L
Fe 238.204†	270.5	2.98	1.10%	[100.00]	ug/L
K 766.490	1601.6	6.01	0.38%	[1.000]	mg/L
Li 670.784†	5895.5	64.16	1.09%	[100.00]	ug/L
Mg 279.071†	560.5	7.38	1.32%	[1.000]	mg/L
Mn 257.610†	11022.5	17.92	0.16%	[100.00]	ug/L
Mo 202.031†	361.6	0.85	0.23%	[100.00]	ug/L
Na 589.592†	7388.2	23.01	0.31%	[1.000]	mg/L
Ni 231.604†	898.1	8.67	0.96%	[100.00]	ug/L
Pb 220.353†	112.8	1.82	1.61%	[100.00]	ug/L
Sb 217.584†	385.1	2.44	0.63%	[500.00]	ug/L
Se 196.026†	157.6	1.40	0.89%	[500.00]	ug/L
Si 251.611†	4805.5	14.25	0.30%	[500.00]	ug/L
Sn 189.927†	458.5	3.79	0.83%	[500.00]	ug/L
Sr 407.771†	93131.5	321.74	0.35%	[100.00]	ug/L
Ti 334.940†	2231.3	24.01	1.08%	[100.00]	ug/L
Tl 190.801†	188.7	1.48	0.78%	[500.00]	ug/L
V 292.395†	4114.2	26.88	0.65%	[100.00]	ug/L
Zn 206.200†	352.2	3.03	0.86%	[100.00]	ug/L

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Sequence No.: 4
Sample ID: 2D25001-CAL4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 4/25/2012 7:18:06 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	403036.7	403036.7	99.2085	%	07:19:12
1	Al 396.153†	10748.2	10887.7	[2500.00]	ug/L	07:19:12
1	Ba 455.398†	166488.1	167452.8	[500.00]	ug/L	07:19:12
1	Ca 315.887†	7745.8	7798.5	[5.000]	mg/L	07:19:32

1	Fe 238.204†	1350.1	1332.2	[500.00]	ug/L	07:19:32
1	K 766.490	7326.5	7606.1	[5.000]	mg/L	07:19:12
1	Li 670.784†	28418.4	28773.6	[500.00]	ug/L	07:19:12
1	Mg 279.071†	2792.5	2759.3	[5.000]	mg/L	07:19:32
1	Na 589.592†	36469.7	36248.5	[5.000]	mg/L	07:19:12
1	Sr 407.771†	456421.4	459392.7	[500.00]	ug/L	07:19:12
1	Ti 334.940†	10946.6	11040.5	[500.00]	ug/L	07:19:32
1	Y 360.076	288812.9	288812.9	98.9753	%	07:20:04
1	Ag 328.068†	29307.6	29558.7	[500.00]	ug/L	07:20:04
1	As 188.979†	795.9	818.7	[2500.00]	ug/L	07:20:24
1	B 249.677†	10059.4	9023.7	[500.00]	ug/L	07:20:04
1	Be 234.861†	6001.5	6515.6	[50.00]	ug/L	07:20:24
1	Cd 214.437†	5454.6	5304.3	[500.00]	ug/L	07:20:24
1	Co 228.616†	1940.2	1986.8	[500.00]	ug/L	07:20:24
1	Cr 205.557†	2316.0	2347.9	[500.00]	ug/L	07:20:24
1	Cu 327.397†	16738.1	16689.2	[500.00]	ug/L	07:20:04
1	Mn 257.610†	54506.0	54843.1	[500.00]	ug/L	07:20:04
1	Mo 202.031†	1824.9	1809.5	[500.00]	ug/L	07:20:24
1	Ni 231.604†	4400.4	4404.7	[500.00]	ug/L	07:20:24
1	Pb 220.353†	536.5	528.1	[500.00]	ug/L	07:20:24
1	Sb 217.584†	1870.4	1917.5	[2500.00]	ug/L	07:20:24
1	Se 196.026†	824.0	820.8	[2500.00]	ug/L	07:20:24
1	Si 251.611†	23951.7	24040.9	[2500.00]	ug/L	07:20:04
1	Sn 189.927†	2224.5	2262.9	[2500.00]	ug/L	07:20:24
1	Tl 190.801†	940.6	961.4	[2500.00]	ug/L	07:20:24
1	V 292.395†	19816.0	20550.4	[500.00]	ug/L	07:20:04
1	Zn 206.200†	1683.4	1714.1	[500.00]	ug/L	07:20:24
2	Sc 357.234	402801.2	402801.2	99.1505	%	07:19:37
2	Al 396.153†	10803.1	10949.3	[2500.00]	ug/L	07:19:37
2	Ba 455.398†	167258.6	168327.9	[500.00]	ug/L	07:19:37
2	Ca 315.887†	7745.9	7803.1	[5.000]	mg/L	07:19:58
2	Fe 238.204†	1352.6	1335.5	[500.00]	ug/L	07:19:58
2	K 766.490	7292.3	7572.0	[5.000]	mg/L	07:19:37
2	Li 670.784†	28406.7	28778.5	[500.00]	ug/L	07:19:37
2	Mg 279.071†	2797.2	2765.8	[5.000]	mg/L	07:19:58
2	Na 589.592†	36591.1	36392.4	[5.000]	mg/L	07:19:37
2	Sr 407.771†	458346.5	461603.3	[500.00]	ug/L	07:19:37
2	Ti 334.940†	10950.4	11050.8	[500.00]	ug/L	07:19:58
2	Y 360.076	287665.6	287665.6	98.5821	%	07:20:29
2	Ag 328.068†	29312.8	29682.0	[500.00]	ug/L	07:20:29
2	As 188.979†	789.0	814.8	[2500.00]	ug/L	07:20:49
2	B 249.677†	10062.1	9067.0	[500.00]	ug/L	07:20:29
2	Be 234.861†	6020.6	6559.1	[50.00]	ug/L	07:20:49
2	Cd 214.437†	5458.2	5330.0	[500.00]	ug/L	07:20:49
2	Co 228.616†	1941.6	1996.0	[500.00]	ug/L	07:20:49
2	Cr 205.557†	2327.6	2369.0	[500.00]	ug/L	07:20:49
2	Cu 327.397†	16684.4	16702.1	[500.00]	ug/L	07:20:29
2	Mn 257.610†	54665.0	55224.1	[500.00]	ug/L	07:20:29
2	Mo 202.031†	1832.5	1824.6	[500.00]	ug/L	07:20:49
2	Ni 231.604†	4400.1	4422.1	[500.00]	ug/L	07:20:49
2	Pb 220.353†	543.7	537.7	[500.00]	ug/L	07:20:49
2	Sb 217.584†	1879.3	1934.0	[2500.00]	ug/L	07:20:49
2	Se 196.026†	824.6	824.8	[2500.00]	ug/L	07:20:49
2	Si 251.611†	23984.0	24170.2	[2500.00]	ug/L	07:20:29
2	Sn 189.927†	2240.9	2288.6	[2500.00]	ug/L	07:20:49
2	Tl 190.801†	944.9	969.6	[2500.00]	ug/L	07:20:49
2	V 292.395†	19891.7	20707.0	[500.00]	ug/L	07:20:29
2	Zn 206.200†	1683.0	1720.5	[500.00]	ug/L	07:20:49

Mean Data: 2D25001-CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	402919.0	166.49	0.04%	99.1795	%
Y 360.076	288239.2	811.21	0.28%	98.7787	%
Ag 328.068†	29620.3	87.22	0.29%	[500.00]	ug/L
Al 396.153†	10918.5	43.58	0.40%	[2500.00]	ug/L
As 188.979†	816.8	2.70	0.33%	[2500.00]	ug/L
B 249.677†	9045.3	30.57	0.34%	[500.00]	ug/L
Ba 455.398†	167890.4	618.84	0.37%	[500.00]	ug/L
Be 234.861†	6537.3	30.79	0.47%	[50.00]	ug/L

Ca 315.887†	7800.8	3.30	0.04%	[5.000]	mg/L
Cd 214.437†	5317.1	18.18	0.34%	[500.00]	ug/L
Co 228.616†	1991.4	6.52	0.33%	[500.00]	ug/L
Cr 205.557†	2358.4	14.88	0.63%	[500.00]	ug/L
Cu 327.397†	16695.7	9.18	0.05%	[500.00]	ug/L
Fe 238.204†	1333.9	2.35	0.18%	[500.00]	ug/L
K 766.490	7589.1	24.14	0.32%	[5.000]	mg/L
Li 670.784†	28776.0	3.49	0.01%	[500.00]	ug/L
Mg 279.071†	2762.5	4.55	0.16%	[5.000]	mg/L
Mn 257.610†	55033.6	269.38	0.49%	[500.00]	ug/L
Mo 202.031†	1817.1	10.63	0.59%	[500.00]	ug/L
Na 589.592†	36320.4	101.78	0.28%	[5.000]	mg/L
Ni 231.604†	4413.4	12.34	0.28%	[500.00]	ug/L
Pb 220.353†	532.9	6.76	1.27%	[500.00]	ug/L
Sb 217.584†	1925.8	11.68	0.61%	[2500.00]	ug/L
Se 196.026†	822.8	2.81	0.34%	[2500.00]	ug/L
Si 251.611†	24105.6	91.40	0.38%	[2500.00]	ug/L
Sn 189.927†	2275.7	18.12	0.80%	[2500.00]	ug/L
Sr 407.771†	460498.0	1563.12	0.34%	[500.00]	ug/L
Ti 334.940†	11045.6	7.28	0.07%	[500.00]	ug/L
Tl 190.801†	965.5	5.79	0.60%	[2500.00]	ug/L
V 292.395†	20628.7	110.71	0.54%	[500.00]	ug/L
Zn 206.200†	1717.3	4.50	0.26%	[500.00]	ug/L

Sequence No.: 5
Sample ID: 2D25001-CAL5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 4/25/2012 7:22:04 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-CAL5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	399968.5	399968.5	98.4533	%	07:23:10
1	Al 396.153†	21552.3	21944.6	[5000]	ug/L	07:23:30
1	Ba 455.398†	337546.3	342485.7	[1000]	ug/L	07:23:10
1	Ca 315.887†	15691.7	15929.0	[10]	mg/L	07:23:30
1	Fe 238.204†	2708.6	2722.4	[1000]	ug/L	07:23:30
1	K 766.490	15106.1	15385.7	[10]	mg/L	07:23:30
1	Li 670.784†	57764.0	58800.0	[1000]	ug/L	07:23:10
1	Mg 279.071†	5633.6	5666.7	[10]	mg/L	07:23:30
1	Na 589.592†	73447.5	74089.2	[10]	mg/L	07:23:10
1	Sr 407.771†	925895.7	939772.0	[1000]	ug/L	07:23:10
1	Ti 334.940†	22153.9	22508.4	[1000]	ug/L	07:23:30
1	Y 360.076	290098.3	290098.3	99.4158	%	07:24:02
1	Ag 328.068†	60054.2	60354.7	[1000]	ug/L	07:24:02
1	As 188.979†	1623.4	1647.4	[5000]	ug/L	07:24:22
1	B 249.677†	19098.7	18071.1	[1000]	ug/L	07:24:02
1	Be 234.861†	12754.8	13281.6	[100]	ug/L	07:24:22
1	Cd 214.437†	10915.9	10773.3	[1000]	ug/L	07:24:22
1	Ce 413.764†	38755.5	37233.9	[1000]	ug/L	07:24:02
1	Co 228.616†	4001.2	4051.2	[1000]	ug/L	07:24:22
1	Cr 205.557†	4722.8	4758.4	[1000]	ug/L	07:24:22
1	Cu 327.397†	34463.9	34444.3	[1000]	ug/L	07:24:02
1	Mn 257.610†	111787.3	112217.0	[1000]	ug/L	07:24:02
1	Mo 202.031†	3664.9	3652.2	[1000]	ug/L	07:24:22
1	Ni 231.604†	8925.8	8937.0	[1000]	ug/L	07:24:22
1	Pb 220.353†	1089.4	1081.9	[1000]	ug/L	07:24:22
1	Sb 217.584†	3815.8	3866.0	[5000]	ug/L	07:24:22
1	Se 196.026†	1670.5	1668.7	[5000]	ug/L	07:24:22
1	Si 251.611†	47678.2	47799.6	[5000]	ug/L	07:24:02
1	Sn 189.927†	4544.9	4587.0	[5000]	ug/L	07:24:22
1	Tl 190.801†	1979.7	2002.4	[5000]	ug/L	07:24:22
1	V 292.395†	41121.8	41892.7	[1000]	ug/L	07:24:02
1	Zn 206.200†	3442.2	3475.8	[1000]	ug/L	07:24:22
2	Sc 357.234	399926.5	399926.5	98.4429	%	07:23:36
2	Al 396.153†	21680.0	22076.6	[5000]	ug/L	07:23:56
2	Ba 455.398†	338951.3	343948.9	[1000]	ug/L	07:23:36
2	Ca 315.887†	15822.1	16063.3	[10]	mg/L	07:23:56

2	Fe 238.204†	2730.8	2745.3	[1000] ug/L	07:23:56
2	K 766.490	15182.2	15461.9	[10] mg/L	07:23:56
2	Li 670.784†	58026.8	59073.1	[1000] ug/L	07:23:36
2	Mg 279.071†	5658.1	5692.1	[10] mg/L	07:23:56
2	Na 589.592†	73741.5	74395.7	[10] mg/L	07:23:36
2	Sr 407.771†	929778.1	943814.5	[1000] ug/L	07:23:36
2	Ti 334.940†	22278.0	22636.9	[1000] ug/L	07:23:56
2	Y 360.076	287554.8	287554.8	98.5442 %	07:24:27
2	Ag 328.068†	59545.2	60372.5	[1000] ug/L	07:24:27
2	As 188.979†	1611.0	1649.3	[5000] ug/L	07:24:47
2	B 249.677†	18981.2	18121.8	[1000] ug/L	07:24:27
2	Be 234.861†	12713.9	13353.6	[100] ug/L	07:24:47
2	Cd 214.437†	10856.7	10810.4	[1000] ug/L	07:24:47
2	Ce 413.764†	38374.1	37191.7	[1000] ug/L	07:24:27
2	Co 228.616†	3985.0	4070.4	[1000] ug/L	07:24:47
2	Cr 205.557†	4702.1	4779.4	[1000] ug/L	07:24:47
2	Cu 327.397†	34175.5	34458.2	[1000] ug/L	07:24:27
2	Mn 257.610†	110487.3	111892.5	[1000] ug/L	07:24:27
2	Mo 202.031†	3653.0	3672.8	[1000] ug/L	07:24:47
2	Ni 231.604†	8897.2	8987.4	[1000] ug/L	07:24:47
2	Pb 220.353†	1087.4	1089.6	[1000] ug/L	07:24:47
2	Sb 217.584†	3801.9	3885.8	[5000] ug/L	07:24:47
2	Se 196.026†	1662.5	1675.4	[5000] ug/L	07:24:47
2	Si 251.611†	47212.3	47751.0	[5000] ug/L	07:24:27
2	Sn 189.927†	4536.3	4618.7	[5000] ug/L	07:24:47
2	Tl 190.801†	1973.4	2013.6	[5000] ug/L	07:24:47
2	V 292.395†	40777.8	41909.5	[1000] ug/L	07:24:27
2	Zn 206.200†	3431.0	3495.0	[1000] ug/L	07:24:47

Mean Data: 2D25001-CAL5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	399947.5	29.69	0.01%	98.4481	%
Y 360.076	288826.5	1798.49	0.62%	98.9800	%
Ag 328.068†	60363.6	12.57	0.02%	[1000]	ug/L
Al 396.153†	22010.6	93.35	0.42%	[5000]	ug/L
As 188.979†	1648.4	1.34	0.08%	[5000]	ug/L
B 249.677†	18096.5	35.86	0.20%	[1000]	ug/L
Ba 455.398†	343217.3	1034.65	0.30%	[1000]	ug/L
Be 234.861†	13317.6	50.88	0.38%	[100]	ug/L
Ca 315.887†	15996.1	94.91	0.59%	[10]	mg/L
Cd 214.437†	10791.8	26.20	0.24%	[1000]	ug/L
Ce 413.764†	37212.8	29.86	0.08%	[1000]	ug/L
Co 228.616†	4060.8	13.58	0.33%	[1000]	ug/L
Cr 205.557†	4768.9	14.84	0.31%	[1000]	ug/L
Cu 327.397†	34451.2	9.81	0.03%	[1000]	ug/L
Fe 238.204†	2733.9	16.19	0.59%	[1000]	ug/L
K 766.490	15423.8	53.82	0.35%	[10]	mg/L
Li 670.784†	58936.5	193.13	0.33%	[1000]	ug/L
Mg 279.071†	5679.4	18.00	0.32%	[10]	mg/L
Mn 257.610†	112054.7	229.49	0.20%	[1000]	ug/L
Mo 202.031†	3662.5	14.53	0.40%	[1000]	ug/L
Na 589.592†	74242.4	216.70	0.29%	[10]	mg/L
Ni 231.604†	8962.2	35.60	0.40%	[1000]	ug/L
Pb 220.353†	1085.8	5.40	0.50%	[1000]	ug/L
Sb 217.584†	3875.9	14.05	0.36%	[5000]	ug/L
Se 196.026†	1672.0	4.73	0.28%	[5000]	ug/L
Si 251.611†	47775.3	34.36	0.07%	[5000]	ug/L
Sn 189.927†	4602.9	22.41	0.49%	[5000]	ug/L
Sr 407.771†	941793.3	2858.50	0.30%	[1000]	ug/L
Ti 334.940†	22572.7	90.85	0.40%	[1000]	ug/L
Tl 190.801†	2008.0	7.93	0.39%	[5000]	ug/L
V 292.395†	41901.1	11.88	0.03%	[1000]	ug/L
Zn 206.200†	3485.4	13.61	0.39%	[1000]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	4	Lin, Calc Int	-114.6	60.28	0.00000	0.999959	

Al 396.153	4	Lin, Calc Int	42.1	4.387	0.00000	0.999949
As 188.979	4	Lin, Calc Int	-0.1	0.3291	0.00000	0.999987
B 249.677	4	Lin, Calc Int	6.7	18.09	0.00000	0.999984
Ba 455.398	4	Lin, Calc Int	-648.5	342.5	0.00000	0.999943
Be 234.861	4	Lin, Calc Int	-25.2	133.0	0.00000	0.999960
Ca 315.887	4	Lin, Calc Int	-11.4	1594	0.00000	0.999899
Cd 214.437	4	Lin, Calc Int	-11.3	10.77	0.00000	0.999973
Ce 413.764	1	Lin, Calc Int	0.0	37.21	0.00000	1.000000
Co 228.616	4	Lin, Calc Int	-6.2	4.053	0.00000	0.999954
Cr 205.557	4	Lin, Calc Int	-3.5	4.763	0.00000	0.999985
Cu 327.397	4	Lin, Calc Int	-112.1	34.37	0.00000	0.999884
Fe 238.204	4	Lin, Calc Int	-6.2	2.728	0.00000	0.999930
K 766.490	4	Lin, Calc Int	8.1	1537	0.00000	0.999954
Li 670.784	4	Lin, Calc Int	-82.4	58.77	0.00000	0.999929
Mg 279.071	4	Lin, Calc Int	-12.8	566.5	0.00000	0.999906
Mn 257.610	4	Lin, Calc Int	-171.0	111.9	0.00000	0.999961
Mo 202.031	3	Lin, Calc Int	-4.7	3.662	0.00000	0.999992
Na 589.592	4	Lin, Calc Int	-146.4	7411	0.00000	0.999941
Ni 231.604	4	Lin, Calc Int	-6.4	8.944	0.00000	0.999970
Pb 220.353	4	Lin, Calc Int	1.1	1.081	0.00000	0.999935
Sb 217.584	4	Lin, Calc Int	-2.6	0.7749	0.00000	0.999995
Se 196.026	4	Lin, Calc Int	-5.3	0.3346	0.00000	0.999965
Si 251.611	4	Lin, Calc Int	22.7	9.567	0.00000	0.999989
Sn 189.927	4	Lin, Calc Int	-4.3	0.9196	0.00000	0.999985
Sr 407.771	4	Lin, Calc Int	-2136.3	940.3	0.00000	0.999940
Ti 334.940	3	Lin, Calc Int	-56.2	22.55	0.00000	0.999936
Tl 190.801	4	Lin, Calc Int	-11.0	0.4012	0.00000	0.999830
V 292.395	4	Lin, Calc Int	-75.0	41.86	0.00000	0.999972
Zn 206.200	4	Lin, Calc Int	-2.5	3.479	0.00000	0.999971

Sequence No.: 6
Sample ID: 2D25001-SCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 4/25/2012 7:26:02 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-SCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	401515.5	401515.5	98.8341	%			07:27:07
1	Al 396.153†	10372.9	10548.9	2389.46	ug/L	2389.46	ug/L	07:27:07
1	Ba 455.398†	163880.9	165450.6	484.920	ug/L	484.920	ug/L	07:27:07
1	Ca 315.887†	7567.1	7647.2	4.80551	mg/L	4.80551	mg/L	07:27:27
1	Fe 238.204†	1365.1	1352.6	498.088	ug/L	498.088	ug/L	07:27:27
1	K 766.490	7125.9	7405.5	4.81304	mg/L	4.81304	mg/L	07:27:07
1	Li 670.784†	28207.4	28668.6	489.235	ug/L	489.235	ug/L	07:27:07
1	Mg 279.071†	2766.8	2744.0	4.86646	mg/L	4.86646	mg/L	07:27:27
1	Na 589.592†	36200.4	36115.3	4.89300	mg/L	4.89300	mg/L	07:27:07
1	Sr 407.771†	451139.9	455791.9	486.524	ug/L	486.524	ug/L	07:27:07
1	Ti 334.940†	10805.2	10939.2	487.679	ug/L	487.679	ug/L	07:27:27
1	Y 360.076	293732.0	293732.0	100.661	%			07:27:59
1	Ag 328.068†	29292.8	29048.0	484.248	ug/L	484.248	ug/L	07:27:59
1	As 188.979†	785.9	795.2	2414.63	ug/L	2414.63	ug/L	07:28:19
1	B 249.677†	9998.2	8792.7	483.828	ug/L	483.828	ug/L	07:27:59
1	Be 234.861†	5897.4	6310.5	47.5064	ug/L	47.5064	ug/L	07:28:19
1	Cd 214.437†	5405.2	5163.0	480.002	ug/L	480.002	ug/L	07:28:19
1	Ce 413.764†	1776.6	15.6	0.301991	ug/L	0.301991	ug/L	07:27:59
1	Co 228.616†	1925.7	1939.5	479.109	ug/L	479.109	ug/L	07:28:19
1	Cr 205.557†	2317.7	2310.4	485.843	ug/L	485.843	ug/L	07:28:19
1	Cu 327.397†	16811.1	16478.5	483.358	ug/L	483.358	ug/L	07:27:59
1	Mn 257.610†	54688.7	54102.4	485.171	ug/L	485.171	ug/L	07:27:59
1	Mo 202.031†	1791.5	1745.5	477.883	ug/L	477.883	ug/L	07:28:19
1	Ni 231.604†	4376.1	4306.1	482.681	ug/L	482.681	ug/L	07:28:19
1	Pb 220.353†	537.3	519.9	481.269	ug/L	481.269	ug/L	07:28:19
1	Sb 217.584†	1564.3	1581.7	2046.10	ug/L	2046.10	ug/L	07:28:19
1	Se 196.026†	817.0	799.9	2405.95	ug/L	2405.95	ug/L	07:28:19
1	Si 251.611†	24699.0	24378.1	2527.68	ug/L	2527.68	ug/L	07:27:59
1	Sn 189.927†	2183.7	2184.8	2380.44	ug/L	2380.44	ug/L	07:28:19
1	Tl 190.801†	935.5	940.5	2373.05	ug/L	2373.05	ug/L	07:28:19

1	V 292.395†	19827.5	20226.5	493.532 ug/L	493.532 ug/L	07:27:59
1	Zn 206.200†	1663.2	1665.6	479.275 ug/L	479.275 ug/L	07:28:19
2	Sc 357.234	404176.8	404176.8	99.4891 %		07:27:33
2	Al 396.153†	10455.4	10562.8	2392.51 ug/L	2392.51 ug/L	07:27:33
2	Ba 455.398†	164869.7	165352.6	484.634 ug/L	484.634 ug/L	07:27:33
2	Ca 315.887†	7570.7	7600.4	4.77614 mg/L	4.77614 mg/L	07:27:53
2	Fe 238.204†	1359.9	1338.2	492.830 ug/L	492.830 ug/L	07:27:53
2	K 766.490	7221.3	7501.0	4.87515 mg/L	4.87515 mg/L	07:27:33
2	Li 670.784†	28306.7	28580.5	487.736 ug/L	487.736 ug/L	07:27:33
2	Mg 279.071†	2773.2	2732.0	4.84536 mg/L	4.84536 mg/L	07:27:53
2	Na 589.592†	36362.0	36036.6	4.88238 mg/L	4.88238 mg/L	07:27:33
2	Sr 407.771†	454535.2	456199.1	486.960 ug/L	486.960 ug/L	07:27:33
2	Ti 334.940†	10840.7	10902.9	486.068 ug/L	486.068 ug/L	07:27:53
2	Y 360.076	289641.6	289641.6	99.2593 %		07:28:24
2	Ag 328.068†	28841.5	29004.4	483.521 ug/L	483.521 ug/L	07:28:24
2	As 188.979†	796.4	816.9	2480.48 ug/L	2480.48 ug/L	07:28:44
2	B 249.677†	9895.1	8829.1	485.821 ug/L	485.821 ug/L	07:28:24
2	Be 234.861†	5892.6	6388.5	48.0944 ug/L	48.0944 ug/L	07:28:44
2	Cd 214.437†	5402.3	5235.8	486.761 ug/L	486.761 ug/L	07:28:44
2	Ce 413.764†	1726.7	-9.6	-0.376431 ug/L	-0.376431 ug/L	07:28:24
2	Co 228.616†	1923.4	1964.2	485.203 ug/L	485.203 ug/L	07:28:44
2	Cr 205.557†	2314.6	2339.8	491.999 ug/L	491.999 ug/L	07:28:44
2	Cu 327.397†	16594.3	16496.0	483.866 ug/L	483.866 ug/L	07:28:24
2	Mn 257.610†	53946.2	54121.6	485.343 ug/L	485.343 ug/L	07:28:24
2	Mo 202.031†	1787.6	1766.6	483.651 ug/L	483.651 ug/L	07:28:44
2	Ni 231.604†	4387.4	4378.9	490.824 ug/L	490.824 ug/L	07:28:44
2	Pb 220.353†	536.3	526.4	487.370 ug/L	487.370 ug/L	07:28:44
2	Sb 217.584†	1572.3	1611.8	2084.89 ug/L	2084.89 ug/L	07:28:44
2	Se 196.026†	811.7	806.0	2424.26 ug/L	2424.26 ug/L	07:28:44
2	Si 251.611†	24312.3	24334.9	2523.18 ug/L	2523.18 ug/L	07:28:24
2	Sn 189.927†	2174.1	2205.8	2403.27 ug/L	2403.27 ug/L	07:28:44
2	Tl 190.801†	936.7	954.9	2408.78 ug/L	2408.78 ug/L	07:28:44
2	V 292.395†	19518.0	20192.8	492.838 ug/L	492.838 ug/L	07:28:24
2	Zn 206.200†	1655.5	1681.2	483.756 ug/L	483.756 ug/L	07:28:44

Mean Data: 2D25001-SCV1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	402846.2	99.1616	%	0.46322				0.47%
Y 360.076	291686.8	99.9602	%	0.99122				0.99%
Ag 328.068†	29026.2	483.884	ug/L	0.5136	483.884	ug/L	0.5136	0.11%
QC value within limits for Ag 328.068 Recovery = 96.78%								
Al 396.153†	10555.9	2390.99	ug/L	2.155	2390.99	ug/L	2.155	0.09%
QC value within limits for Al 396.153 Recovery = 95.64%								
As 188.979†	806.0	2447.56	ug/L	46.562	2447.56	ug/L	46.562	1.90%
QC value within limits for As 188.979 Recovery = 97.90%								
B 249.677†	8810.9	484.824	ug/L	1.4093	484.824	ug/L	1.4093	0.29%
QC value within limits for B 249.677 Recovery = 96.96%								
Ba 455.398†	165401.6	484.777	ug/L	0.2023	484.777	ug/L	0.2023	0.04%
QC value within limits for Ba 455.398 Recovery = 96.96%								
Be 234.861†	6349.5	47.8004	ug/L	0.41577	47.8004	ug/L	0.41577	0.87%
QC value within limits for Be 234.861 Recovery = 95.60%								
Ca 315.887†	7623.8	4.79082	mg/L	0.020766	4.79082	mg/L	0.020766	0.43%
QC value within limits for Ca 315.887 Recovery = 95.82%								
Cd 214.437†	5199.4	483.382	ug/L	4.7792	483.382	ug/L	4.7792	0.99%
QC value within limits for Cd 214.437 Recovery = 96.68%								
Ce 413.764†	3.0	-0.0372199	ug/L	0.47971721	-0.0372199	ug/L	0.47971721	>999.9%
Co 228.616†	1951.8	482.156	ug/L	4.3093	482.156	ug/L	4.3093	0.89%
QC value within limits for Co 228.616 Recovery = 96.43%								
Cr 205.557†	2325.1	488.921	ug/L	4.3531	488.921	ug/L	4.3531	0.89%
QC value within limits for Cr 205.557 Recovery = 97.78%								
Cu 327.397†	16487.2	483.612	ug/L	0.3591	483.612	ug/L	0.3591	0.07%
QC value within limits for Cu 327.397 Recovery = 96.72%								
Fe 238.204†	1345.4	495.459	ug/L	3.7178	495.459	ug/L	3.7178	0.75%
QC value within limits for Fe 238.204 Recovery = 99.09%								
K 766.490	7453.3	4.84409	mg/L	0.043924	4.84409	mg/L	0.043924	0.91%
QC value within limits for K 766.490 Recovery = 96.88%								
Li 670.784†	28624.5	488.486	ug/L	1.0600	488.486	ug/L	1.0600	0.22%
QC value within limits for Li 670.784 Recovery = 97.70%								
Mg 279.071†	2738.0	4.85591	mg/L	0.014926	4.85591	mg/L	0.014926	0.31%

QC value within limits for Mg 279.071 Recovery = 97.12%

Mn 257.610†	54112.0	485.257 ug/L	0.1215	485.257 ug/L	0.1215	0.03%
QC value within limits for Mn 257.610 Recovery = 97.05%							
Mo 202.031†	1756.1	480.767 ug/L	4.0790	480.767 ug/L	4.0790	0.85%
QC value within limits for Mo 202.031 Recovery = 96.15%							
Na 589.592†	36075.9	4.88769 mg/L	0.007509	4.88769 mg/L	0.007509	0.15%
QC value within limits for Na 589.592 Recovery = 97.75%							
Ni 231.604†	4342.5	486.752 ug/L	5.7581	486.752 ug/L	5.7581	1.18%
QC value within limits for Ni 231.604 Recovery = 97.35%							
Pb 220.353†	523.1	484.320 ug/L	4.3142	484.320 ug/L	4.3142	0.89%
QC value within limits for Pb 220.353 Recovery = 96.86%							
Sb 217.584†	1596.8	2065.49 ug/L	27.427	2065.49 ug/L	27.427	1.33%
QC value less than the lower limit for Sb 217.584 Recovery = 82.62%							
Se 196.026†	803.0	2415.10 ug/L	12.947	2415.10 ug/L	12.947	0.54%
QC value within limits for Se 196.026 Recovery = 96.60%							
Si 251.611†	24356.5	2525.43 ug/L	3.182	2525.43 ug/L	3.182	0.13%
QC value within limits for Si 251.611 Recovery = 101.02%							
Sn 189.927†	2195.3	2391.86 ug/L	16.145	2391.86 ug/L	16.145	0.67%
QC value within limits for Sn 189.927 Recovery = 95.67%							
Sr 407.771†	455995.5	486.742 ug/L	0.3082	486.742 ug/L	0.3082	0.06%
QC value within limits for Sr 407.771 Recovery = 97.35%							
Ti 334.940†	10921.1	486.874 ug/L	1.1389	486.874 ug/L	1.1389	0.23%
QC value within limits for Ti 334.940 Recovery = 97.37%							
Tl 190.801†	947.7	2390.91 ug/L	25.268	2390.91 ug/L	25.268	1.06%
QC value within limits for Tl 190.801 Recovery = 95.64%							
V 292.395†	20209.7	493.185 ug/L	0.4910	493.185 ug/L	0.4910	0.10%
QC value within limits for V 292.395 Recovery = 98.64%							
Zn 206.200†	1673.4	481.515 ug/L	3.1689	481.515 ug/L	3.1689	0.66%
QC value within limits for Zn 206.200 Recovery = 96.30%							

QC Failed. Continue with analysis.

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Sequence No.: 7
Sample ID: 2D25001-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 4/25/2012 7:30:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	406294.3	406294.3	100.010	%			07:31:05
1	Al 396.153†	-35.0	18.7	-5.36226	ug/L	-5.36226	ug/L	07:31:30
1	Ba 455.398†	406.8	43.1	2.01927	ug/L	2.01927	ug/L	07:31:10
1	Ca 315.887†	12.4	3.3	0.0092443	mg/L	0.0092443	mg/L	07:31:30
1	Fe 238.204†	27.5	-1.2	1.86693	ug/L	1.86693	ug/L	07:31:30
1	K 766.490	-234.7	45.0	0.0239870	mg/L	0.0239870	mg/L	07:31:10
1	Li 670.784†	-135.2	-6.7	1.28763	ug/L	1.28763	ug/L	07:31:10
1	Mg 279.071†	51.7	-3.7	0.0159706	mg/L	0.0159706	mg/L	07:31:30
1	Na 589.592†	473.3	-38.9	0.0145009	mg/L	0.0145009	mg/L	07:31:10
1	Sr 407.771†	787.1	117.0	2.39534	ug/L	2.39534	ug/L	07:31:10
1	Ti 334.940†	9.2	15.7	3.18927	ug/L	3.18927	ug/L	07:31:30
1	Y 360.076	292945.6	292945.6	100.392	%			07:32:06
1	Ag 328.068†	88.6	35.8	2.49801	ug/L	2.49801	ug/L	07:32:06
1	As 188.979†	-10.0	4.5	14.1567	ug/L	14.1567	ug/L	07:32:26
1	B 249.677†	1176.6	32.2	1.39716	ug/L	1.39716	ug/L	07:32:06
1	Be 234.861†	-444.2	9.4	0.259862	ug/L	0.259862	ug/L	07:32:26
1	Cd 214.437†	211.2	3.7	1.38601	ug/L	1.38601	ug/L	07:32:26
1	Ce 413.764†	1783.3	27.1	0.727002	ug/L	0.727002	ug/L	07:32:06
1	Co 228.616†	-23.0	3.5	2.39429	ug/L	2.39429	ug/L	07:32:26
1	Cr 205.557†	-6.1	1.8	1.10956	ug/L	1.10956	ug/L	07:32:26
1	Cu 327.397†	248.7	25.6	4.00834	ug/L	4.00834	ug/L	07:32:06
1	Mn 257.610†	234.0	5.9	1.58199	ug/L	1.58199	ug/L	07:32:26
1	Mo 202.031†	36.2	1.8	1.78923	ug/L	1.78923	ug/L	07:32:26
1	Ni 231.604†	47.0	5.5	1.34189	ug/L	1.34189	ug/L	07:32:26
1	Pb 220.353†	17.8	3.8	2.46040	ug/L	2.46040	ug/L	07:32:26
1	Sb 217.584†	-15.3	12.5	19.6039	ug/L	19.6039	ug/L	07:32:26
1	Se 196.026†	8.8	-2.9	7.21811	ug/L	7.21811	ug/L	07:32:26
1	Si 251.611†	166.4	7.0	-1.74729	ug/L	-1.74729	ug/L	07:32:26
1	Sn 189.927†	-10.4	5.1	10.2026	ug/L	10.2026	ug/L	07:32:26

1	Tl 190.801†	-12.0	-0.8	25.2773 ug/L	25.2773 ug/L	07:32:26
1	V 292.395†	-483.5	47.6	2.96104 ug/L	2.96104 ug/L	07:32:06
1	Zn 206.200†	-12.4	1.0	0.985347 ug/L	0.985347 ug/L	07:32:26
2	Sc 357.234	404017.4	404017.4	99.4499 %		07:31:35
2	Al 396.153†	-38.6	14.9	-6.24396 ug/L	-6.24396 ug/L	07:32:00
2	Ba 455.398†	401.9	40.5	2.01154 ug/L	2.01154 ug/L	07:31:40
2	Ca 315.887†	15.6	6.5	0.0112617 mg/L	0.0112617 mg/L	07:32:00
2	Fe 238.204†	24.6	-4.0	0.832211 ug/L	0.832211 ug/L	07:32:00
2	K 766.490	-208.1	71.6	0.0412715 mg/L	0.0412715 mg/L	07:31:40
2	Li 670.784†	-74.3	53.7	2.31510 ug/L	2.31510 ug/L	07:31:40
2	Mg 279.071†	49.0	-6.2	0.0115591 mg/L	0.0115591 mg/L	07:32:00
2	Na 589.592†	480.4	-29.1	0.0158218 mg/L	0.0158218 mg/L	07:31:40
2	Sr 407.771†	751.2	85.4	2.36155 ug/L	2.36155 ug/L	07:31:40
2	Ti 334.940†	-2.2	4.3	2.68283 ug/L	2.68283 ug/L	07:32:00
2	Y 360.076	290563.8	290563.8	99.5753 %		07:32:31
2	Ag 328.068†	40.0	-12.2	1.69968 ug/L	1.69968 ug/L	07:32:31
2	As 188.979†	-15.7	-1.3	-3.51831 ug/L	-3.51831 ug/L	07:32:51
2	B 249.677†	1179.5	44.6	2.08530 ug/L	2.08530 ug/L	07:32:31
2	Be 234.861†	-454.2	-4.3	0.157653 ug/L	0.157653 ug/L	07:32:51
2	Cd 214.437†	204.8	-1.1	0.948483 ug/L	0.948483 ug/L	07:32:51
2	Ce 413.764†	1765.1	23.3	0.626589 ug/L	0.626589 ug/L	07:32:31
2	Co 228.616†	-22.5	3.8	2.46960 ug/L	2.46960 ug/L	07:32:51
2	Cr 205.557†	1.0	8.9	2.60115 ug/L	2.60115 ug/L	07:32:51
2	Cu 327.397†	281.3	60.4	5.02019 ug/L	5.02019 ug/L	07:32:31
2	Mn 257.610†	235.5	9.3	1.61205 ug/L	1.61205 ug/L	07:32:51
2	Mo 202.031†	41.1	7.0	3.20038 ug/L	3.20038 ug/L	07:32:51
2	Ni 231.604†	58.2	17.2	2.65046 ug/L	2.65046 ug/L	07:32:51
2	Pb 220.353†	24.8	11.0	9.10227 ug/L	9.10227 ug/L	07:32:51
2	Sb 217.584†	-22.2	5.4	10.4456 ug/L	10.4456 ug/L	07:32:51
2	Se 196.026†	13.1	1.5	20.4005 ug/L	20.4005 ug/L	07:32:51
2	Si 251.611†	166.5	8.4	-1.59765 ug/L	-1.59765 ug/L	07:32:51
2	Sn 189.927†	-13.1	2.2	7.06906 ug/L	7.06906 ug/L	07:32:51
2	Tl 190.801†	-18.0	-7.0	9.91614 ug/L	9.91614 ug/L	07:32:51
2	V 292.395†	-511.7	15.4	2.21691 ug/L	2.21691 ug/L	07:32:31
2	Zn 206.200†	-10.8	2.4	1.40886 ug/L	1.40886 ug/L	07:32:51

Mean Data: 2D25001-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	405155.8	99.7301	%	0.39631				0.40%
Y 360.076	291754.7	99.9834	%	0.57717				0.58%
Ag 328.068†	11.8	2.09885	ug/L	0.564501	2.09885	ug/L	0.564501	26.90%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	16.8	-5.80311	ug/L	0.623458	-5.80311	ug/L	0.623458	10.74%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	1.6	5.31918	ug/L	12.498094	5.31918	ug/L	12.498094	234.96%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	38.4	1.74123	ug/L	0.486586	1.74123	ug/L	0.486586	27.94%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	41.8	2.01540	ug/L	0.005469	2.01540	ug/L	0.005469	0.27%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	2.6	0.208758	ug/L	0.0722729	0.208758	ug/L	0.0722729	34.62%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	4.9	0.0102530	mg/L	0.00142649	0.0102530	mg/L	0.00142649	13.91%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	1.3	1.16725	ug/L	0.309380	1.16725	ug/L	0.309380	26.51%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	25.2	0.676795	ug/L	0.0710030	0.676795	ug/L	0.0710030	10.49%
Co 228.616†	3.7	2.43195	ug/L	0.053254	2.43195	ug/L	0.053254	2.19%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	5.3	1.85535	ug/L	1.054715	1.85535	ug/L	1.054715	56.85%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	43.0	4.51427	ug/L	0.715485	4.51427	ug/L	0.715485	15.85%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	-2.6	1.34957	ug/L	0.731657	1.34957	ug/L	0.731657	54.21%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	58.3	0.0326293	mg/L	0.01222203	0.0326293	mg/L	0.01222203	37.46%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	23.5	1.80137	ug/L	0.726530	1.80137	ug/L	0.726530	40.33%
QC value within limits for Li 670.784 Recovery = Not calculated								

Mg 279.071†	-5.0	0.0137649 mg/L	0.00311934	0.0137649 mg/L	0.00311934	22.66%
QC value within limits for Mg 279.071 Recovery = Not calculated						
Mn 257.610†	7.6	1.59702 ug/L	0.021259	1.59702 ug/L	0.021259	1.33%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	4.4	2.49481 ug/L	0.997835	2.49481 ug/L	0.997835	40.00%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	-34.0	0.0151613 mg/L	0.00093397	0.0151613 mg/L	0.00093397	6.16%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	11.4	1.99618 ug/L	0.925301	1.99618 ug/L	0.925301	46.35%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	7.4	5.78134 ug/L	4.696509	5.78134 ug/L	4.696509	81.24%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	9.0	15.0248 ug/L	6.47587	15.0248 ug/L	6.47587	43.10%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	-0.7	13.8093 ug/L	9.32137	13.8093 ug/L	9.32137	67.50%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	7.7	-1.67247 ug/L	0.105812	-1.67247 ug/L	0.105812	6.33%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	3.7	8.63582 ug/L	2.215741	8.63582 ug/L	2.215741	25.66%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	101.2	2.37845 ug/L	0.023893	2.37845 ug/L	0.023893	1.00%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†	10.0	2.93605 ug/L	0.358108	2.93605 ug/L	0.358108	12.20%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	-3.9	17.5967 ug/L	10.86201	17.5967 ug/L	10.86201	61.73%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	31.5	2.58897 ug/L	0.526182	2.58897 ug/L	0.526182	20.32%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	1.7	1.19710 ug/L	0.299466	1.19710 ug/L	0.299466	25.02%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: 2D25001-CRL1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 4/25/2012 7:34:06 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-CRL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	405549.7	405549.7	99.8271	%			07:35:12
1	Al 396.153†	497.9	552.4	113.715	ug/L	113.715	ug/L	07:35:17
1	Ba 455.398†	6915.0	6563.4	21.0546	ug/L	21.0546	ug/L	07:35:17
1	Ca 315.887†	1600.9	1594.5	1.00765	mg/L	1.00765	mg/L	07:35:37
1	Fe 238.204†	85.3	56.7	23.0745	ug/L	23.0745	ug/L	07:35:37
1	K 766.490	62.9	342.5	0.217563	mg/L	0.217563	mg/L	07:35:17
1	Li 670.784†	794.6	924.4	17.1319	ug/L	17.1319	ug/L	07:35:17
1	Mg 279.071†	593.8	539.4	0.974635	mg/L	0.974635	mg/L	07:35:37
1	Na 589.592†	7594.5	7095.4	0.977184	mg/L	0.977184	mg/L	07:35:17
1	Sr 407.771†	89681.5	89166.8	96.9998	ug/L	96.9998	ug/L	07:35:12
1	Ti 334.940†	4258.7	4272.6	191.995	ug/L	191.995	ug/L	07:35:17
1	Y 360.076	294020.6	294020.6	100.760	%			07:36:13
1	Ag 328.068†	656.7	599.3	11.8995	ug/L	11.8995	ug/L	07:36:13
1	As 188.979†	57.5	71.6	217.114	ug/L	217.114	ug/L	07:36:33
1	B 249.677†	2880.4	1718.8	94.4699	ug/L	94.4699	ug/L	07:36:13
1	Be 234.861†	-197.6	255.7	2.12188	ug/L	2.12188	ug/L	07:36:33
1	Cd 214.437†	310.7	101.6	10.5104	ug/L	10.5104	ug/L	07:36:33
1	Ce 413.764†	1704.1	-58.0	-1.59573	ug/L	-1.59573	ug/L	07:36:13
1	Co 228.616†	53.2	79.3	20.6574	ug/L	20.6574	ug/L	07:36:33
1	Cr 205.557†	85.0	92.2	20.0850	ug/L	20.0850	ug/L	07:36:33
1	Cu 327.397†	920.7	691.6	23.5968	ug/L	23.5968	ug/L	07:36:13
1	Mn 257.610†	2414.6	2169.2	20.9205	ug/L	20.9205	ug/L	07:36:33
1	Mo 202.031†	749.5	709.6	195.049	ug/L	195.049	ug/L	07:36:33
1	Ni 231.604†	221.5	178.6	21.0646	ug/L	21.0646	ug/L	07:36:33
1	Pb 220.353†	120.4	105.6	97.5353	ug/L	97.5353	ug/L	07:36:33
1	Sb 217.584†	123.3	150.1	197.176	ug/L	197.176	ug/L	07:36:33
1	Se 196.026†	74.4	62.1	201.660	ug/L	201.660	ug/L	07:36:33
1	Si 251.611†	2186.4	2011.1	200.664	ug/L	200.664	ug/L	07:36:33

1	Sn 189.927†	179.0	193.1	214.634 ug/L	214.634 ug/L	07:36:33
1	Tl 190.801†	63.9	74.6	214.029 ug/L	214.029 ug/L	07:36:33
1	V 292.395†	184.5	712.4	22.4164 ug/L	22.4164 ug/L	07:36:13
1	Zn 206.200†	62.4	75.2	22.3183 ug/L	22.3183 ug/L	07:36:33
2	Sc 357.234	405387.6	405387.6	99.7872 %		07:35:42
2	Al 396.153†	530.7	585.5	121.291 ug/L	121.291 ug/L	07:35:47
2	Ba 455.398†	6995.1	6646.4	21.2969 ug/L	21.2969 ug/L	07:35:47
2	Ca 315.887†	1602.8	1597.1	1.00927 mg/L	1.00927 mg/L	07:36:07
2	Fe 238.204†	81.1	52.6	21.5738 ug/L	21.5738 ug/L	07:36:07
2	K 766.490	74.4	354.0	0.225051 mg/L	0.225051 mg/L	07:35:47
2	Li 670.784†	778.8	908.9	16.8682 ug/L	16.8682 ug/L	07:35:47
2	Mg 279.071†	596.8	542.6	0.980418 mg/L	0.980418 mg/L	07:36:07
2	Na 589.592†	7699.3	7203.6	0.991772 mg/L	0.991772 mg/L	07:35:47
2	Sr 407.771†	90319.5	89842.1	97.7178 ug/L	97.7178 ug/L	07:35:42
2	Ti 334.940†	4297.0	4312.7	193.772 ug/L	193.772 ug/L	07:35:47
2	Y 360.076	292593.9	292593.9	100.271 %		07:36:39
2	Ag 328.068†	624.4	570.4	11.4184 ug/L	11.4184 ug/L	07:36:39
2	As 188.979†	48.6	63.0	191.037 ug/L	191.037 ug/L	07:36:59
2	B 249.677†	2865.8	1718.3	94.4399 ug/L	94.4399 ug/L	07:36:39
2	Be 234.861†	-189.6	262.8	2.17530 ug/L	2.17530 ug/L	07:36:59
2	Cd 214.437†	313.2	105.6	10.8809 ug/L	10.8809 ug/L	07:36:59
2	Ce 413.764†	1724.0	-29.9	-0.841498 ug/L	-0.841498 ug/L	07:36:39
2	Co 228.616†	51.0	77.4	20.1736 ug/L	20.1736 ug/L	07:36:59
2	Cr 205.557†	93.2	100.9	21.9075 ug/L	21.9075 ug/L	07:36:59
2	Cu 327.397†	917.9	693.3	23.6472 ug/L	23.6472 ug/L	07:36:39
2	Mn 257.610†	2405.2	2171.5	20.9411 ug/L	20.9411 ug/L	07:36:59
2	Mo 202.031†	737.5	701.2	192.755 ug/L	192.755 ug/L	07:36:59
2	Ni 231.604†	218.2	176.4	20.8107 ug/L	20.8107 ug/L	07:36:59
2	Pb 220.353†	118.7	104.4	96.4415 ug/L	96.4415 ug/L	07:36:59
2	Sb 217.584†	123.9	151.3	198.713 ug/L	198.713 ug/L	07:36:59
2	Se 196.026†	76.4	64.5	208.622 ug/L	208.622 ug/L	07:36:59
2	Si 251.611†	2173.4	2008.7	200.372 ug/L	200.372 ug/L	07:36:59
2	Sn 189.927†	167.7	182.7	203.316 ug/L	203.316 ug/L	07:36:59
2	Tl 190.801†	61.8	72.8	209.589 ug/L	209.589 ug/L	07:36:59
2	V 292.395†	204.4	733.0	22.8645 ug/L	22.8645 ug/L	07:36:39
2	Zn 206.200†	57.2	70.3	20.9133 ug/L	20.9133 ug/L	07:36:59

Mean Data: 2D25001-CRL1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	405468.6	99.8071	%	0.02821				0.03%
Y 360.076	293307.3	100.516	%	0.3457				0.34%
Ag 328.068†	584.8	11.6590	ug/L	0.34018	11.6590	ug/L	0.34018	2.92%
QC value within limits for Ag 328.068 Recovery = 116.59%								
Al 396.153†	568.9	117.503	ug/L	5.3575	117.503	ug/L	5.3575	4.56%
QC value within limits for Al 396.153 Recovery = 117.50%								
As 188.979†	67.3	204.075	ug/L	18.4394	204.075	ug/L	18.4394	9.04%
QC value within limits for As 188.979 Recovery = 102.04%								
B 249.677†	1718.5	94.4549	ug/L	0.02121	94.4549	ug/L	0.02121	0.02%
QC value within limits for B 249.677 Recovery = 94.45%								
Ba 455.398†	6604.9	21.1757	ug/L	0.17134	21.1757	ug/L	0.17134	0.81%
QC value within limits for Ba 455.398 Recovery = 105.88%								
Be 234.861†	259.3	2.14859	ug/L	0.037772	2.14859	ug/L	0.037772	1.76%
QC value within limits for Be 234.861 Recovery = 107.43%								
Ca 315.887†	1595.8	1.00846	mg/L	0.001151	1.00846	mg/L	0.001151	0.11%
QC value within limits for Ca 315.887 Recovery = 100.85%								
Cd 214.437†	103.6	10.6957	ug/L	0.26202	10.6957	ug/L	0.26202	2.45%
QC value within limits for Cd 214.437 Recovery = 106.96%								
Ce 413.764†	-44.0	-1.21861	ug/L	0.533320	-1.21861	ug/L	0.533320	43.76%
Co 228.616†	78.3	20.4155	ug/L	0.34212	20.4155	ug/L	0.34212	1.68%
QC value within limits for Co 228.616 Recovery = 102.08%								
Cr 205.557†	96.6	20.9962	ug/L	1.28868	20.9962	ug/L	1.28868	6.14%
QC value within limits for Cr 205.557 Recovery = 104.98%								
Cu 327.397†	692.4	23.6220	ug/L	0.03562	23.6220	ug/L	0.03562	0.15%
QC value within limits for Cu 327.397 Recovery = 118.11%								
Fe 238.204†	54.7	22.3242	ug/L	1.06113	22.3242	ug/L	1.06113	4.75%
QC value within limits for Fe 238.204 Recovery = 111.62%								
K 766.490	348.3	0.221307	mg/L	0.0052945	0.221307	mg/L	0.0052945	2.39%
QC value within limits for K 766.490 Recovery = 110.65%								
Li 670.784†	916.7	17.0000	ug/L	0.18645	17.0000	ug/L	0.18645	1.10%

QC value within limits for Li 670.784 Recovery = 106.25%

Mg 279.071†	541.0	0.977526 mg/L	0.0040892	0.977526 mg/L	0.0040892	0.42%

QC value within limits for Mg 279.071 Recovery = 97.75%

Mn 257.610†	2170.4	20.9308 ug/L	0.01457	20.9308 ug/L	0.01457	0.07%

QC value within limits for Mn 257.610 Recovery = 104.65%

Mo 202.031†	705.4	193.902 ug/L	1.6216	193.902 ug/L	1.6216	0.84%

QC value within limits for Mo 202.031 Recovery = 96.95%

Na 589.592†	7149.5	0.984478 mg/L	0.0103156	0.984478 mg/L	0.0103156	1.05%

QC value within limits for Na 589.592 Recovery = 98.45%

Ni 231.604†	177.5	20.9376 ug/L	0.17955	20.9376 ug/L	0.17955	0.86%

QC value within limits for Ni 231.604 Recovery = 104.69%

Pb 220.353†	105.0	96.9884 ug/L	0.77347	96.9884 ug/L	0.77347	0.80%

QC value within limits for Pb 220.353 Recovery = 96.99%

Sb 217.584†	150.7	197.944 ug/L	1.0869	197.944 ug/L	1.0869	0.55%

QC value within limits for Sb 217.584 Recovery = 98.97%

Se 196.026†	63.3	205.141 ug/L	4.9230	205.141 ug/L	4.9230	2.40%

QC value within limits for Se 196.026 Recovery = 102.57%

Si 251.611†	2009.9	200.518 ug/L	0.2066	200.518 ug/L	0.2066	0.10%

QC value within limits for Si 251.611 Recovery = 100.26%

Sn 189.927†	187.9	208.975 ug/L	8.0034	208.975 ug/L	8.0034	3.83%

QC value within limits for Sn 189.927 Recovery = 104.49%

Sr 407.771†	89504.5	97.3588 ug/L	0.50768	97.3588 ug/L	0.50768	0.52%

QC value within limits for Sr 407.771 Recovery = 97.36%

Ti 334.940†	4292.6	192.883 ug/L	1.2559	192.883 ug/L	1.2559	0.65%

QC value within limits for Ti 334.940 Recovery = 96.44%

Tl 190.801†	73.7	211.809 ug/L	3.1393	211.809 ug/L	3.1393	1.48%

QC value within limits for Tl 190.801 Recovery = 105.90%

V 292.395†	722.7	22.6405 ug/L	0.31686	22.6405 ug/L	0.31686	1.40%

QC value within limits for V 292.395 Recovery = 113.20%

Zn 206.200†	72.8	21.6158 ug/L	0.99352	21.6158 ug/L	0.99352	4.60%

QC value within limits for Zn 206.200 Recovery = 108.08%

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: 2D25001-IFA1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 4/25/2012 7:38:15 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-IFA1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	392494.3	392494.3	96.6135	%			07:39:21
1	Al 396.153†	407521.1	421859.4	96184.3	ug/L	96184.3	ug/L	07:39:21
1	Ba 455.398†	445.4	97.4	2.17812	ug/L	2.17812	ug/L	07:39:41
1	Ca 315.887†	144380.5	149432.3	93.7696	mg/L	93.7696	mg/L	07:39:21
1	Fe 238.204†	101686.3	105221.9	38566.6	ug/L	38566.6	ug/L	07:39:21
1	K 766.490	-214.9	64.8	0.0368750	mg/L	0.0368750	mg/L	07:39:41
1	Li 670.784†	-58.6	67.8	2.55582	ug/L	2.55582	ug/L	07:39:41
1	Mg 279.071†	51853.6	53615.7	94.6701	mg/L	94.6701	mg/L	07:39:21
1	Na 589.592†	540.2	46.9	0.0260838	mg/L	0.0260838	mg/L	07:39:41
1	Sr 407.771†	1269.2	643.7	-6.19176	ug/L	-6.19176	ug/L	07:39:41
1	Ti 334.940†	2.1	8.7	2.87805	ug/L	2.87805	ug/L	07:39:41
1	Y 360.076	281095.9	281095.9	96.3307	%			07:40:13
1	Ag 328.068†	-982.7	-1072.6	2.81810	ug/L	2.81810	ug/L	07:40:33
1	As 188.979†	-3.4	11.0	33.7893	ug/L	33.7893	ug/L	07:40:33
1	B 249.677†	1135.1	38.5	1.74550	ug/L	1.74550	ug/L	07:40:33
1	Be 234.861†	1115.0	1609.4	0.331972	ug/L	0.331972	ug/L	07:40:13
1	Cd 214.437†	348.5	155.1	3.78123	ug/L	3.78123	ug/L	07:40:33
1	Ce 413.764†	1823.4	143.5	3.54244	ug/L	3.54244	ug/L	07:40:13
1	Co 228.616†	-20.8	4.9	2.73270	ug/L	2.73270	ug/L	07:40:33
1	Cr 205.557†	16.3	24.8	4.51423	ug/L	4.51423	ug/L	07:40:33
1	Cu 327.397†	259.9	47.6	5.98512	ug/L	5.98512	ug/L	07:40:13
1	Mn 257.610†	342.3	128.2	2.67504	ug/L	2.67504	ug/L	07:40:13
1	Mo 202.031†	97.0	66.5	19.4424	ug/L	19.4424	ug/L	07:40:33
1	Ni 231.604†	54.7	15.6	2.49722	ug/L	2.49722	ug/L	07:40:33
1	Pb 220.353†	17.4	4.1	2.81659	ug/L	2.81659	ug/L	07:40:33
1	Sb 217.584†	-104.9	-81.1	-29.1794	ug/L	-29.1794	ug/L	07:40:33
1	Se 196.026†	19.8	8.9	7.01903	ug/L	7.01903	ug/L	07:40:33

1	Si 251.611†	238.3	88.5	6.66224 ug/L	6.66224 ug/L	07:40:33
1	Sn 189.927†	-23.5	-8.9	-5.07783 ug/L	-5.07783 ug/L	07:40:33
1	Tl 190.801†	-9.2	1.5	31.1123 ug/L	31.1123 ug/L	07:40:33
1	V 292.395†	-191.3	330.6	1.57804 ug/L	1.57804 ug/L	07:40:33
1	Zn 206.200†	-6.4	6.7	-3.01890 ug/L	-3.01890 ug/L	07:40:33
2	Sc 357.234	396238.1	396238.1	97.5350 %		07:39:47
2	Al 396.153†	410757.4	421192.1	96032.1 ug/L	96032.1 ug/L	07:39:47
2	Ba 455.398†	464.1	112.2	2.22133 ug/L	2.22133 ug/L	07:40:07
2	Ca 315.887†	145494.2	149162.1	93.6001 mg/L	93.6001 mg/L	07:39:47
2	Fe 238.204†	102482.9	105044.2	38501.4 ug/L	38501.4 ug/L	07:39:47
2	K 766.490	-225.1	54.6	0.0302506 mg/L	0.0302506 mg/L	07:40:07
2	Li 670.784†	-49.4	77.8	2.72539 ug/L	2.72539 ug/L	07:40:07
2	Mg 279.071†	52287.1	53553.1	94.5596 mg/L	94.5596 mg/L	07:39:47
2	Na 589.592†	561.1	63.1	0.0282608 mg/L	0.0282608 mg/L	07:40:07
2	Sr 407.771†	1257.9	619.7	-6.20072 ug/L	-6.20072 ug/L	07:40:07
2	Ti 334.940†	-17.7	-11.6	1.97802 ug/L	1.97802 ug/L	07:40:07
2	Y 360.076	277572.9	277572.9	95.1234 %		07:40:38
2	Ag 328.068†	-986.6	-1089.6	2.50382 ug/L	2.50382 ug/L	07:40:58
2	As 188.979†	-3.3	11.0	33.8308 ug/L	33.8308 ug/L	07:40:58
2	B 249.677†	1112.8	30.0	1.27568 ug/L	1.27568 ug/L	07:40:58
2	Be 234.861†	1085.5	1593.0	0.229298 ug/L	0.229298 ug/L	07:40:38
2	Cd 214.437†	357.7	169.3	5.11927 ug/L	5.11927 ug/L	07:40:58
2	Ce 413.764†	1769.1	110.5	2.65475 ug/L	2.65475 ug/L	07:40:38
2	Co 228.616†	-18.3	7.3	3.31813 ug/L	3.31813 ug/L	07:40:58
2	Cr 205.557†	9.8	18.2	3.11619 ug/L	3.11619 ug/L	07:40:58
2	Cu 327.397†	275.2	67.1	6.54933 ug/L	6.54933 ug/L	07:40:38
2	Mn 257.610†	351.0	141.8	2.79642 ug/L	2.79642 ug/L	07:40:38
2	Mo 202.031†	97.6	68.4	19.9501 ug/L	19.9501 ug/L	07:40:58
2	Ni 231.604†	55.7	17.3	2.69026 ug/L	2.69026 ug/L	07:40:58
2	Pb 220.353†	20.0	7.1	5.61844 ug/L	5.61844 ug/L	07:40:58
2	Sb 217.584†	-103.8	-81.4	-29.6571 ug/L	-29.6571 ug/L	07:40:58
2	Se 196.026†	28.7	18.5	35.7614 ug/L	35.7614 ug/L	07:40:58
2	Si 251.611†	238.1	91.6	7.00124 ug/L	7.00124 ug/L	07:40:58
2	Sn 189.927†	-22.5	-8.2	-4.24060 ug/L	-4.24060 ug/L	07:40:58
2	Tl 190.801†	-5.4	5.4	40.7692 ug/L	40.7692 ug/L	07:40:58
2	V 292.395†	-195.4	323.8	1.44068 ug/L	1.44068 ug/L	07:40:58
2	Zn 206.200†	-2.4	10.7	-1.84437 ug/L	-1.84437 ug/L	07:40:58

Mean Data: 2D25001-IFA1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	394366.2	97.0742	%	0.65164				0.67%
Y 360.076	279334.4	95.7271	%	0.85370				0.89%
Ag 328.068†	-1081.1	2.66096	ug/L	0.222232	2.66096	ug/L	0.222232	8.35%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	421525.8	96108.2	ug/L	107.61	96108.2	ug/L	107.61	0.11%
QC value within limits for Al 396.153 Recovery = 96.11%								
As 188.979†	11.0	33.8100	ug/L	0.02932	33.8100	ug/L	0.02932	0.09%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	34.3	1.51059	ug/L	0.332211	1.51059	ug/L	0.332211	21.99%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	104.8	2.19973	ug/L	0.030556	2.19973	ug/L	0.030556	1.39%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	1601.2	0.280635	ug/L	0.0726014	0.280635	ug/L	0.0726014	25.87%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	149297.2	93.6849	mg/L	0.11989	93.6849	mg/L	0.11989	0.13%
QC value within limits for Ca 315.887 Recovery = 93.68%								
Cd 214.437†	162.2	4.45025	ug/L	0.946137	4.45025	ug/L	0.946137	21.26%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	127.0	3.09860	ug/L	0.627693	3.09860	ug/L	0.627693	20.26%
Co 228.616†	6.1	3.02541	ug/L	0.413963	3.02541	ug/L	0.413963	13.68%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	21.5	3.81521	ug/L	0.988562	3.81521	ug/L	0.988562	25.91%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	57.4	6.26722	ug/L	0.398958	6.26722	ug/L	0.398958	6.37%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	105133.1	38534.0	ug/L	46.06	38534.0	ug/L	46.06	0.12%
QC value within limits for Fe 238.204 Recovery = 96.33%								
K 766.490	59.7	0.0335628	mg/L	0.00468420	0.0335628	mg/L	0.00468420	13.96%
QC value within limits for K 766.490 Recovery = Not calculated								

Li 670.784†	72.8	2.64060 ug/L	0.119904	2.64060 ug/L	0.119904	4.54%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.071†	53584.4	94.6149 mg/L	0.07812	94.6149 mg/L	0.07812	0.08%
QC value within limits for Mg 279.071 Recovery = 94.61%						
Mn 257.610†	135.0	2.73573 ug/L	0.085830	2.73573 ug/L	0.085830	3.14%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	67.4	19.6963 ug/L	0.35901	19.6963 ug/L	0.35901	1.82%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	55.0	0.0271723 mg/L	0.00153937	0.0271723 mg/L	0.00153937	5.67%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	16.4	2.59374 ug/L	0.136496	2.59374 ug/L	0.136496	5.26%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	5.6	4.21751 ug/L	1.981209	4.21751 ug/L	1.981209	46.98%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	-81.3	-29.4183 ug/L	0.33780	-29.4183 ug/L	0.33780	1.15%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	13.7	21.3902 ug/L	20.32389	21.3902 ug/L	20.32389	95.01%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	90.0	6.83174 ug/L	0.239711	6.83174 ug/L	0.239711	3.51%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	-8.5	-4.65921 ug/L	0.592012	-4.65921 ug/L	0.592012	12.71%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	631.7	-6.19624 ug/L	0.006335	-6.19624 ug/L	0.006335	0.10%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†	-1.4	2.42803 ug/L	0.636419	2.42803 ug/L	0.636419	26.21%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	3.5	35.9408 ug/L	6.82847	35.9408 ug/L	6.82847	19.00%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	327.2	1.50936 ug/L	0.097130	1.50936 ug/L	0.097130	6.44%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	8.7	-2.43163 ug/L	0.830515	-2.43163 ug/L	0.830515	34.15%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 10
Sample ID: 2D25001-IFA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 4/25/2012 7:45:35 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-IFA2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	403116.6	403116.6	99.2282	%			07:46:41
1	Al 396.153†	43.4	97.4	12.5824	ug/L	12.5824	ug/L	07:46:46
1	Ba 455.398†	357.9	-3.0	1.88497	ug/L	1.88497	ug/L	07:46:46
1	Ca 315.887†	82.4	73.9	0.0535654	mg/L	0.0535654	mg/L	07:47:06
1	Fe 238.204†	33.5	5.1	12.0281	ug/L	12.0281	ug/L	07:47:06
1	K 766.490	-247.2	32.5	0.0158644	mg/L	0.0158644	mg/L	07:46:46
1	Li 670.784†	-133.2	-5.8	1.30307	ug/L	1.30307	ug/L	07:46:46
1	Mg 279.071†	2.3	-53.1	-0.0712822	mg/L	-0.0712822	mg/L	07:47:06
1	Na 589.592†	616.0	108.7	0.0344139	mg/L	0.0344139	mg/L	07:46:46
1	Sr 407.771†	996.3	334.0	2.62184	ug/L	2.62184	ug/L	07:46:46
1	Ti 334.940†	426196.9	429518.5	19052.9	ug/L	19052.9	ug/L	07:46:41
1	Y 360.076	286438.9	286438.9	98.1617	%			07:47:43
1	Ag 328.068†	38.5	-13.1	9.63314	ug/L	9.63314	ug/L	07:47:48
1	As 188.979†	19.4	34.3	29.1651	ug/L	29.1651	ug/L	07:48:08
1	B 249.677†	1019.2	-101.5	-16.0396	ug/L	-16.0396	ug/L	07:47:48
1	Be 234.861†	-561.4	-120.0	-1.29570	ug/L	-1.29570	ug/L	07:48:08
1	Cd 214.437†	245.3	43.1	5.15001	ug/L	5.15001	ug/L	07:47:48
1	Ce 413.764†	1835.6	120.7	1.22149	ug/L	1.22149	ug/L	07:47:48
1	Co 228.616†	135.6	164.6	4.49459	ug/L	4.49459	ug/L	07:48:08
1	Cr 205.557†	90182.0	91878.8	19295.7	ug/L	19295.7	ug/L	07:47:48
1	Cu 327.397†	669162.5	681471.6	19855.7	ug/L	19855.7	ug/L	07:47:43
1	Mn 257.610†	2068206.8	2106710.4	18834.2	ug/L	18834.2	ug/L	07:47:43
1	Mo 202.031†	41.6	8.1	3.50845	ug/L	3.50845	ug/L	07:48:08
1	Ni 231.604†	170912.2	174071.6	19465.6	ug/L	19465.6	ug/L	07:47:43
1	Pb 220.353†	24.0	10.5	-5.83352	ug/L	-5.83352	ug/L	07:48:08
1	Sb 217.584†	-57.8	-31.1	-19.8656	ug/L	-19.8656	ug/L	07:48:08

1	Se 196.026†	22.7	11.4	50.1779 ug/L	50.1779 ug/L	07:48:08
1	Si 251.611†	5224.7	5163.7	-41.8911 ug/L	-41.8911 ug/L	07:47:48
1	Sn 189.927†	-0.4	15.1	21.0031 ug/L	21.0031 ug/L	07:48:08
1	Tl 190.801†	-46.2	-36.0	28.1132 ug/L	28.1132 ug/L	07:48:08
1	V 292.395†	798077.0	813551.7	19419.0 ug/L	19419.0 ug/L	07:47:43
1	Zn 206.200†	17.3	30.9	5.60134 ug/L	5.60134 ug/L	07:47:48
2	Sc 357.234	402322.2	402322.2	99.0326 %		07:47:11
2	Al 396.153†	81.2	135.6	21.2967 ug/L	21.2967 ug/L	07:47:16
2	Ba 455.398†	386.7	26.8	1.97211 ug/L	1.97211 ug/L	07:47:16
2	Ca 315.887†	85.7	77.4	0.0557382 mg/L	0.0557382 mg/L	07:47:36
2	Fe 238.204†	29.6	1.2	10.6564 ug/L	10.6564 ug/L	07:47:36
2	K 766.490	-285.8	-6.1	-0.0092539 mg/L	-0.0092539 mg/L	07:47:16
2	Li 670.784†	-112.2	15.1	1.65937 ug/L	1.65937 ug/L	07:47:16
2	Mg 279.071†	-0.2	-55.7	-0.0757890 mg/L	-0.0757890 mg/L	07:47:36
2	Na 589.592†	584.6	78.1	0.0302917 mg/L	0.0302917 mg/L	07:47:16
2	Sr 407.771†	1045.4	385.6	2.67648 ug/L	2.67648 ug/L	07:47:16
2	Ti 334.940†	431969.8	436195.9	19349.0 ug/L	19349.0 ug/L	07:47:11
2	Y 360.076	288474.7	288474.7	98.8594 %		07:48:14
2	Ag 328.068†	83.8	32.3	10.4399 ug/L	10.4399 ug/L	07:48:19
2	As 188.979†	30.7	45.5	62.2991 ug/L	62.2991 ug/L	07:48:39
2	B 249.677†	997.0	-131.3	-17.8349 ug/L	-17.8349 ug/L	07:48:19
2	Be 234.861†	-556.1	-110.6	-1.22410 ug/L	-1.22410 ug/L	07:48:39
2	Cd 214.437†	250.3	46.4	5.53811 ug/L	5.53811 ug/L	07:48:19
2	Ce 413.764†	1862.6	134.8	1.56860 ug/L	1.56860 ug/L	07:48:19
2	Co 228.616†	133.4	161.4	2.91826 ug/L	2.91826 ug/L	07:48:39
2	Cr 205.557†	89953.1	90998.9	19111.0 ug/L	19111.0 ug/L	07:48:19
2	Cu 327.397†	674631.3	682192.7	19877.0 ug/L	19877.0 ug/L	07:48:14
2	Mn 257.610†	2080490.3	2104266.8	18812.4 ug/L	18812.4 ug/L	07:48:14
2	Mo 202.031†	43.2	9.5	3.87418 ug/L	3.87418 ug/L	07:48:39
2	Ni 231.604†	172133.5	174078.3	19466.3 ug/L	19466.3 ug/L	07:48:14
2	Pb 220.353†	33.7	20.1	3.41186 ug/L	3.41186 ug/L	07:48:39
2	Sb 217.584†	-45.4	-18.1	-3.06522 ug/L	-3.06522 ug/L	07:48:39
2	Se 196.026†	12.6	1.0	19.0880 ug/L	19.0880 ug/L	07:48:39
2	Si 251.611†	5281.0	5183.1	-48.8683 ug/L	-48.8683 ug/L	07:48:19
2	Sn 189.927†	0.9	16.3	22.3887 ug/L	22.3887 ug/L	07:48:39
2	Tl 190.801†	-41.9	-31.3	41.2543 ug/L	41.2543 ug/L	07:48:39
2	V 292.395†	802285.5	812071.2	19383.5 ug/L	19383.5 ug/L	07:48:14
2	Zn 206.200†	23.0	36.6	7.38593 ug/L	7.38593 ug/L	07:48:19

Mean Data: 2D25001-IFA2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	402719.4	99.1304	%	0.13827				0.14%
Y 360.076	287456.8	98.5106	%	0.49332				0.50%
Ag 328.068†	9.6	10.0365	ug/L	0.57046	10.0365	ug/L	0.57046	5.68%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	116.5	16.9396	ug/L	6.16198	16.9396	ug/L	6.16198	36.38%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	39.9	45.7321	ug/L	23.42926	45.7321	ug/L	23.42926	51.23%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-116.4	-16.9372	ug/L	1.26945	-16.9372	ug/L	1.26945	7.50%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	11.9	1.92854	ug/L	0.061619	1.92854	ug/L	0.061619	3.20%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	-115.3	-1.25990	ug/L	0.050622	-1.25990	ug/L	0.050622	4.02%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	75.7	0.0546518	mg/L	0.00153635	0.0546518	mg/L	0.00153635	2.81%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	44.8	5.34406	ug/L	0.274424	5.34406	ug/L	0.274424	5.14%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	127.8	1.39504	ug/L	0.245445	1.39504	ug/L	0.245445	17.59%
Co 228.616†	163.0	3.70643	ug/L	1.114636	3.70643	ug/L	1.114636	30.07%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	91438.8	19203.4	ug/L	130.61	19203.4	ug/L	130.61	0.68%
QC value within limits for Cr 205.557 Recovery = 96.02%								
Cu 327.397†	681832.1	19866.4	ug/L	15.06	19866.4	ug/L	15.06	0.08%
QC value within limits for Cu 327.397 Recovery = 99.33%								
Fe 238.204†	3.1	11.3422	ug/L	0.96996	11.3422	ug/L	0.96996	8.55%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	13.2	0.0033053	mg/L	0.01776132	0.0033053	mg/L	0.01776132	537.37%

QC value within limits for K 766.490 Recovery = Not calculated

Li 670.784†	4.7	1.48122 ug/L	0.251942	1.48122 ug/L	0.251942	17.01%	
QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.071†	-54.4	-0.0735356 mg/L	0.00318682	-0.0735356 mg/L	0.00318682	4.33%	
QC value within limits for Mg 279.071 Recovery = Not calculated							
Mn 257.610†	2105488.6	18823.3 ug/L	15.45	18823.3 ug/L	15.45	0.08%	
QC value within limits for Mn 257.610 Recovery = 94.12%							
Mo 202.031†	8.8	3.69132 ug/L	0.258604	3.69132 ug/L	0.258604	7.01%	
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	93.4	0.0323528 mg/L	0.00291482	0.0323528 mg/L	0.00291482	9.01%	
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	174074.9	19465.9 ug/L	0.52	19465.9 ug/L	0.52	0.00%	
QC value within limits for Ni 231.604 Recovery = 97.33%							
Pb 220.353†	15.3	-1.21083 ug/L	6.537476	-1.21083 ug/L	6.537476	539.92%	
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 217.584†	-24.6	-11.4654 ug/L	11.87970	-11.4654 ug/L	11.87970	103.61%	
QC value within limits for Sb 217.584 Recovery = Not calculated							
Se 196.026†	6.2	34.6329 ug/L	21.98388	34.6329 ug/L	21.98388	63.48%	
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	5173.4	-45.3797 ug/L	4.93363	-45.3797 ug/L	4.93363	10.87%	
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	15.7	21.6959 ug/L	0.97975	21.6959 ug/L	0.97975	4.52%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	359.8	2.64916 ug/L	0.038640	2.64916 ug/L	0.038640	1.46%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.940†	432857.2	19201.0 ug/L	209.42	19201.0 ug/L	209.42	1.09%	
QC value within limits for Ti 334.940 Recovery = 96.00%							
Tl 190.801†	-33.6	34.6837 ug/L	9.29217	34.6837 ug/L	9.29217	26.79%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	812811.4	19401.3 ug/L	25.07	19401.3 ug/L	25.07	0.13%	
QC value within limits for V 292.395 Recovery = 97.01%							
Zn 206.200†	33.7	6.49363 ug/L	1.261889	6.49363 ug/L	1.261889	19.43%	

QC value within limits for Zn 206.200 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: 2D25001-IFB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 4/25/2012 7:53:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-IFB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	392510.4	392510.4	96.6174	%			07:54:22
1	Al 396.153†	406092.2	420363.2	95842.7	ug/L	95842.7	ug/L	07:54:22
1	Ba 455.398†	162141.5	167454.5	490.770	ug/L	490.770	ug/L	07:54:22
1	Ca 315.887†	142494.8	147474.4	92.5412	mg/L	92.5412	mg/L	07:54:22
1	Fe 238.204†	100311.3	103794.5	38043.5	ug/L	38043.5	ug/L	07:54:22
1	K 766.490	-168.7	111.0	0.0669433	mg/L	0.0669433	mg/L	07:54:42
1	Li 670.784†	-70.8	55.1	2.33962	ug/L	2.33962	ug/L	07:54:42
1	Mg 279.071†	51559.1	53308.7	94.1282	mg/L	94.1282	mg/L	07:54:22
1	Na 589.592†	599.0	107.8	0.0342994	mg/L	0.0342994	mg/L	07:54:42
1	Sr 407.771†	1310.3	686.2	-6.02673	ug/L	-6.02673	ug/L	07:54:42
1	Ti 334.940†	0.9	7.4	2.82086	ug/L	2.82086	ug/L	07:54:42
1	Y 360.076	275772.1	275772.1	94.5062	%			07:55:14
1	Ag 328.068†	56879.2	60133.3	1018.07	ug/L	1018.07	ug/L	07:55:14
1	As 188.979†	1.9	16.6	50.6949	ug/L	50.6949	ug/L	07:55:34
1	B 249.677†	1069.6	-8.0	-2.41174	ug/L	-2.41174	ug/L	07:55:34
1	Be 234.861†	7366.0	8246.1	50.3695	ug/L	50.3695	ug/L	07:55:14
1	Cd 214.437†	9873.8	10241.0	939.644	ug/L	939.644	ug/L	07:55:14
1	Ce 413.764†	1741.6	93.6	2.20392	ug/L	2.20392	ug/L	07:55:14
1	Co 228.616†	1818.5	1950.7	482.898	ug/L	482.898	ug/L	07:55:34
1	Cr 205.557†	2210.0	2346.4	491.582	ug/L	491.582	ug/L	07:55:34
1	Cu 327.397†	17383.6	18171.9	533.402	ug/L	533.402	ug/L	07:55:14
1	Mn 257.610†	52397.9	55216.7	495.132	ug/L	495.132	ug/L	07:55:14
1	Mo 202.031†	88.3	59.1	17.4344	ug/L	17.4344	ug/L	07:55:34
1	Ni 231.604†	8122.2	8553.1	956.604	ug/L	956.604	ug/L	07:55:14
1	Pb 220.353†	1036.4	1082.7	999.763	ug/L	999.763	ug/L	07:55:34

1	Sb 217.584†	-111.0	-89.7	-40.1046 ug/L	-40.1046 ug/L	07:55:34
1	Se 196.026†	20.0	9.5	9.00273 ug/L	9.00273 ug/L	07:55:34
1	Si 251.611†	363.7	226.1	21.0577 ug/L	21.0577 ug/L	07:55:34
1	Sn 189.927†	-23.0	-8.9	-5.01440 ug/L	-5.01440 ug/L	07:55:34
1	Tl 190.801†	-8.0	2.6	32.7315 ug/L	32.7315 ug/L	07:55:34
1	V 292.395†	19519.5	21183.5	499.608 ug/L	499.608 ug/L	07:55:14
1	Zn 206.200†	3126.8	3321.9	950.173 ug/L	950.173 ug/L	07:55:34
2	Sc 357.234	392629.2	392629.2	96.6467 %		07:54:47
2	Al 396.153†	408512.3	422740.0	96384.9 ug/L	96384.9 ug/L	07:54:47
2	Ba 455.398†	163353.1	168657.3	494.282 ug/L	494.282 ug/L	07:54:47
2	Ca 315.887†	144115.9	149107.1	93.5656 mg/L	93.5656 mg/L	07:54:47
2	Fe 238.204†	101551.5	105046.3	38502.3 ug/L	38502.3 ug/L	07:54:47
2	K 766.490	-167.9	111.8	0.0674766 mg/L	0.0674766 mg/L	07:55:07
2	Li 670.784†	-52.0	74.7	2.67264 ug/L	2.67264 ug/L	07:55:07
2	Mg 279.071†	52006.1	53755.1	94.9161 mg/L	94.9161 mg/L	07:54:47
2	Na 589.592†	599.3	107.9	0.0343094 mg/L	0.0343094 mg/L	07:55:07
2	Sr 407.771†	1332.4	708.6	-6.10280 ug/L	-6.10280 ug/L	07:55:07
2	Ti 334.940†	-1.3	5.2	2.72283 ug/L	2.72283 ug/L	07:55:07
2	Y 360.076	274702.0	274702.0	94.1395 %		07:55:39
2	Ag 328.068†	56542.5	60010.0	1016.25 ug/L	1016.25 ug/L	07:55:39
2	As 188.979†	-4.6	9.6	29.6386 ug/L	29.6386 ug/L	07:55:59
2	B 249.677†	1075.5	2.6	-1.83228 ug/L	-1.83228 ug/L	07:55:59
2	Be 234.861†	7327.7	8235.7	50.1535 ug/L	50.1535 ug/L	07:55:39
2	Cd 214.437†	9824.4	10229.3	938.457 ug/L	938.457 ug/L	07:55:39
2	Ce 413.764†	1766.4	127.1	3.10084 ug/L	3.10084 ug/L	07:55:39
2	Co 228.616†	1821.5	1961.4	485.545 ug/L	485.545 ug/L	07:55:59
2	Cr 205.557†	2220.4	2366.5	495.808 ug/L	495.808 ug/L	07:55:59
2	Cu 327.397†	17315.7	18171.5	533.406 ug/L	533.406 ug/L	07:55:39
2	Mn 257.610†	52105.5	55122.1	494.287 ug/L	494.287 ug/L	07:55:39
2	Mo 202.031†	100.4	72.4	21.0476 ug/L	21.0476 ug/L	07:55:59
2	Ni 231.604†	8022.5	8480.6	948.502 ug/L	948.502 ug/L	07:55:39
2	Pb 220.353†	1037.5	1088.2	1004.85 ug/L	1004.85 ug/L	07:55:59
2	Sb 217.584†	-103.7	-82.4	-29.8521 ug/L	-29.8521 ug/L	07:55:59
2	Se 196.026†	22.1	11.8	15.7550 ug/L	15.7550 ug/L	07:55:59
2	Si 251.611†	345.6	208.3	19.1724 ug/L	19.1724 ug/L	07:55:59
2	Sn 189.927†	-15.8	-1.4	3.13493 ug/L	3.13493 ug/L	07:55:59
2	Tl 190.801†	-4.1	6.7	43.0039 ug/L	43.0039 ug/L	07:55:59
2	V 292.395†	19423.1	21161.5	499.050 ug/L	499.050 ug/L	07:55:39
2	Zn 206.200†	3124.7	3332.5	953.191 ug/L	953.191 ug/L	07:55:59

Mean Data: 2D25001-IFB1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	392569.8	96.6320	%	0.02068				0.02%
Y 360.076	275237.0	94.3229	%	0.25931				0.27%
Ag 328.068†	60071.6	1017.16	ug/L	1.290	1017.16	ug/L	1.290	0.13%
QC value within limits for Ag 328.068 Recovery = 101.72%								
Al 396.153†	421551.6	96113.8	ug/L	383.36	96113.8	ug/L	383.36	0.40%
QC value within limits for Al 396.153 Recovery = 96.11%								
As 188.979†	13.1	40.1667	ug/L	14.88902	40.1667	ug/L	14.88902	37.07%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-2.7	-2.12201	ug/L	0.409736	-2.12201	ug/L	0.409736	19.31%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	168055.9	492.526	ug/L	2.4832	492.526	ug/L	2.4832	0.50%
QC value within limits for Ba 455.398 Recovery = 98.51%								
Be 234.861†	8240.9	50.2615	ug/L	0.15274	50.2615	ug/L	0.15274	0.30%
QC value within limits for Be 234.861 Recovery = 100.52%								
Ca 315.887†	148290.8	93.0534	mg/L	0.72439	93.0534	mg/L	0.72439	0.78%
QC value within limits for Ca 315.887 Recovery = 93.05%								
Cd 214.437†	10235.1	939.051	ug/L	0.8393	939.051	ug/L	0.8393	0.09%
QC value within limits for Cd 214.437 Recovery = 93.91%								
Ce 413.764†	110.3	2.65238	ug/L	0.634220	2.65238	ug/L	0.634220	23.91%
Co 228.616†	1956.1	484.222	ug/L	1.8718	484.222	ug/L	1.8718	0.39%
QC value within limits for Co 228.616 Recovery = 96.84%								
Cr 205.557†	2356.5	493.695	ug/L	2.9880	493.695	ug/L	2.9880	0.61%
QC value within limits for Cr 205.557 Recovery = 98.74%								
Cu 327.397†	18171.7	533.404	ug/L	0.0027	533.404	ug/L	0.0027	0.00%
QC value within limits for Cu 327.397 Recovery = 106.68%								
Fe 238.204†	104420.4	38272.9	ug/L	324.40	38272.9	ug/L	324.40	0.85%
QC value within limits for Fe 238.204 Recovery = 95.68%								

K 766.490	111.4	0.0672100 mg/L	0.00037712	0.0672100 mg/L	0.00037712	0.56%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 670.784†	64.9	2.50613 ug/L	0.235480	2.50613 ug/L	0.235480	9.40%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.071†	53531.9	94.5222 mg/L	0.55717	94.5222 mg/L	0.55717	0.59%
QC value within limits for Mg 279.071 Recovery = 94.52%						
Mn 257.610†	55169.4	494.709 ug/L	0.5981	494.709 ug/L	0.5981	0.12%
QC value within limits for Mn 257.610 Recovery = 98.94%						
Mo 202.031†	65.8	19.2410 ug/L	2.55487	19.2410 ug/L	2.55487	13.28%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	107.8	0.0343044 mg/L	0.00000704	0.0343044 mg/L	0.00000704	0.02%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	8516.9	952.553 ug/L	5.7291	952.553 ug/L	5.7291	0.60%
QC value within limits for Ni 231.604 Recovery = 95.26%						
Pb 220.353†	1085.4	1002.30 ug/L	3.594	1002.30 ug/L	3.594	0.36%
QC value within limits for Pb 220.353 Recovery = 100.23%						
Sb 217.584†	-86.0	-34.9783 ug/L	7.24963	-34.9783 ug/L	7.24963	20.73%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	10.7	12.3789 ug/L	4.77460	12.3789 ug/L	4.77460	38.57%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	217.2	20.1151 ug/L	1.33308	20.1151 ug/L	1.33308	6.63%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	-5.1	-0.939732 ug/L	5.7624473	-0.939732 ug/L	5.7624473	613.20%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	697.4	-6.06477 ug/L	0.053794	-6.06477 ug/L	0.053794	0.89%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†	6.3	2.77185 ug/L	0.069319	2.77185 ug/L	0.069319	2.50%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	4.7	37.8677 ug/L	7.26372	37.8677 ug/L	7.26372	19.18%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	21172.5	499.329 ug/L	0.3942	499.329 ug/L	0.3942	0.08%
QC value within limits for V 292.395 Recovery = 99.87%						
Zn 206.200†	3327.2	951.682 ug/L	2.1336	951.682 ug/L	2.1336	0.22%
QC value within limits for Zn 206.200 Recovery = 95.17%						

All analyte(s) passed QC.

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Sequence No.: 12
Sample ID: 2D25001-IFB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 4/25/2012 8:00:36 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-IFB2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	407500.7	407500.7	100.307	%			08:01:41
1	Al 396.153†	4162.8	4203.7	935.522	ug/L	935.522	ug/L	08:01:46
1	Ba 455.398†	378.2	13.4	1.93288	ug/L	1.93288	ug/L	08:01:46
1	Ca 315.887†	7573.2	7540.8	4.73873	mg/L	4.73873	mg/L	08:01:46
1	Fe 238.204†	36.0	7.2	12.8339	ug/L	12.8339	ug/L	08:02:06
1	K 766.490	-247.6	32.1	0.0156117	mg/L	0.0156117	mg/L	08:01:46
1	Li 670.784†	-104.3	24.4	1.81735	ug/L	1.81735	ug/L	08:01:46
1	Mg 279.071†	2772.5	2708.5	4.80389	mg/L	4.80389	mg/L	08:02:06
1	Na 589.592†	36347.6	35724.1	4.84022	mg/L	4.84022	mg/L	08:01:46
1	Sr 407.771†	1359.0	684.8	2.53783	ug/L	2.53783	ug/L	08:01:46
1	Ti 334.940†	432034.5	430717.4	19106.1	ug/L	19106.1	ug/L	08:01:41
1	Y 360.076	287322.1	287322.1	98.4644	%			08:02:43
1	Ag 328.068†	20.1	-32.0	9.30208	ug/L	9.30208	ug/L	08:02:48
1	As 188.979†	339.0	358.8	1015.13	ug/L	1015.13	ug/L	08:03:08
1	B 249.677†	17696.9	16833.0	920.043	ug/L	920.043	ug/L	08:02:48
1	Be 234.861†	-582.0	-139.2	-1.35443	ug/L	-1.35443	ug/L	08:03:08
1	Cd 214.437†	257.8	55.1	6.28134	ug/L	6.28134	ug/L	08:03:08
1	Ce 413.764†	1856.5	136.2	1.55184	ug/L	1.55184	ug/L	08:02:48
1	Co 228.616†	129.8	158.3	2.71467	ug/L	2.71467	ug/L	08:03:08
1	Cr 205.557†	89197.7	90596.7	19026.5	ug/L	19026.5	ug/L	08:02:48
1	Cu 327.397†	664201.8	674338.0	19648.2	ug/L	19648.2	ug/L	08:02:43
1	Mn 257.610†	2057437.7	2089296.9	18678.6	ug/L	18678.6	ug/L	08:02:43
1	Mo 202.031†	3530.3	3551.1	970.873	ug/L	970.873	ug/L	08:03:08
1	Ni 231.604†	169553.3	172156.3	19253.4	ug/L	19253.4	ug/L	08:02:43

1	Pb 220.353†	23.8	10.3	-2.26513 ug/L	-2.26513 ug/L	08:03:08
1	Sb 217.584†	704.3	743.0	978.865 ug/L	978.865 ug/L	08:03:08
1	Se 196.026†	330.1	323.5	982.658 ug/L	982.658 ug/L	08:03:08
1	Si 251.611†	4906.4	4824.2	-85.6896 ug/L	-85.6896 ug/L	08:03:08
1	Sn 189.927†	1.9	17.4	23.5251 ug/L	23.5251 ug/L	08:03:08
1	Tl 190.801†	331.8	348.0	985.653 ug/L	985.653 ug/L	08:03:08
1	V 292.395†	794799.7	807724.0	19298.3 ug/L	19298.3 ug/L	08:02:43
1	Zn 206.200†	2.3	15.6	1.26416 ug/L	1.26416 ug/L	08:02:48
2	Sc 357.234	403949.5	403949.5	99.4332 %		08:02:11
2	Al 396.153†	4165.0	4242.5	944.371 ug/L	944.371 ug/L	08:02:16
2	Ba 455.398†	361.1	-0.5	1.89211 ug/L	1.89211 ug/L	08:02:16
2	Ca 315.887†	7653.0	7687.5	4.83076 mg/L	4.83076 mg/L	08:02:16
2	Fe 238.204†	34.8	6.4	12.5197 ug/L	12.5197 ug/L	08:02:36
2	K 766.490	-250.0	29.6	0.0140083 mg/L	0.0140083 mg/L	08:02:16
2	Li 670.784†	-146.1	-18.5	1.08676 ug/L	1.08676 ug/L	08:02:16
2	Mg 279.071†	2770.4	2730.8	4.84311 mg/L	4.84311 mg/L	08:02:36
2	Na 589.592†	36333.4	36028.4	4.88128 mg/L	4.88128 mg/L	08:02:16
2	Sr 407.771†	1350.9	688.6	2.53284 ug/L	2.53284 ug/L	08:02:16
2	Ti 334.940†	431104.7	433568.7	19232.5 ug/L	19232.5 ug/L	08:02:11
2	Y 360.076	286730.2	286730.2	98.2616 %		08:03:14
2	Ag 328.068†	19.3	-32.8	9.33378 ug/L	9.33378 ug/L	08:03:19
2	As 188.979†	338.1	358.6	1014.11 ug/L	1014.11 ug/L	08:03:39
2	B 249.677†	17793.5	16968.5	927.466 ug/L	927.466 ug/L	08:03:19
2	Be 234.861†	-585.2	-143.7	-1.39105 ug/L	-1.39105 ug/L	08:03:39
2	Cd 214.437†	257.4	55.2	6.29902 ug/L	6.29902 ug/L	08:03:39
2	Ce 413.764†	1784.8	67.1	-0.321032 ug/L	-0.321032 ug/L	08:03:19
2	Co 228.616†	131.3	160.1	2.91719 ug/L	2.91719 ug/L	08:03:39
2	Cr 205.557†	89602.5	91195.7	19152.3 ug/L	19152.3 ug/L	08:03:19
2	Cu 327.397†	667473.7	679060.5	19785.7 ug/L	19785.7 ug/L	08:03:14
2	Mn 257.610†	2061704.3	2097952.9	18755.9 ug/L	18755.9 ug/L	08:03:14
2	Mo 202.031†	3525.3	3553.4	971.521 ug/L	971.521 ug/L	08:03:39
2	Ni 231.604†	170052.9	173020.2	19350.0 ug/L	19350.0 ug/L	08:03:14
2	Pb 220.353†	21.8	8.2	-4.23418 ug/L	-4.23418 ug/L	08:03:39
2	Sb 217.584†	705.2	745.4	982.131 ug/L	982.131 ug/L	08:03:39
2	Se 196.026†	327.8	321.9	977.684 ug/L	977.684 ug/L	08:03:39
2	Si 251.611†	4946.5	4875.2	-84.2038 ug/L	-84.2038 ug/L	08:03:39
2	Sn 189.927†	0.5	16.0	21.9912 ug/L	21.9912 ug/L	08:03:39
2	Tl 190.801†	327.0	344.0	976.034 ug/L	976.034 ug/L	08:03:39
2	V 292.395†	796553.3	811175.2	19380.6 ug/L	19380.6 ug/L	08:03:14
2	Zn 206.200†	1.1	14.4	0.880477 ug/L	0.880477 ug/L	08:03:19

Mean Data: 2D25001-IFB2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	405725.1	99.8703	%	0.61810				0.62%
Y 360.076	287026.1	98.3630	%	0.14345				0.15%
Ag 328.068†	-32.4	9.31793	ug/L	0.022414	9.31793	ug/L	0.022414	0.24%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	4223.1	939.946	ug/L	6.2568	939.946	ug/L	6.2568	0.67%
QC value within limits for Al 396.153 Recovery = 93.99%								
As 188.979†	358.7	1014.62	ug/L	0.721	1014.62	ug/L	0.721	0.07%
QC value within limits for As 188.979 Recovery = 101.46%								
B 249.677†	16900.8	923.755	ug/L	5.2483	923.755	ug/L	5.2483	0.57%
QC value within limits for B 249.677 Recovery = 92.38%								
Ba 455.398†	6.5	1.91250	ug/L	0.028829	1.91250	ug/L	0.028829	1.51%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	-141.5	-1.37274	ug/L	0.025898	-1.37274	ug/L	0.025898	1.89%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	7614.2	4.78475	mg/L	0.065076	4.78475	mg/L	0.065076	1.36%
QC value within limits for Ca 315.887 Recovery = 95.69%								
Cd 214.437†	55.1	6.29018	ug/L	0.012502	6.29018	ug/L	0.012502	0.20%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	101.7	0.615403	ug/L	1.3243184	0.615403	ug/L	1.3243184	215.20%
Co 228.616†	159.2	2.81593	ug/L	0.143203	2.81593	ug/L	0.143203	5.09%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	90896.2	19089.4	ug/L	88.98	19089.4	ug/L	88.98	0.47%
QC value within limits for Cr 205.557 Recovery = 95.45%								
Cu 327.397†	676699.3	19717.0	ug/L	97.27	19717.0	ug/L	97.27	0.49%
QC value within limits for Cu 327.397 Recovery = 98.58%								
Fe 238.204†	6.8	12.6768	ug/L	0.22220	12.6768	ug/L	0.22220	1.75%

QC value within limits for Fe 238.204 Recovery = Not calculated

K 766.490	30.9	0.0148100 mg/L	0.00113374	0.0148100 mg/L	0.00113374	7.66%
QC value within limits for K 766.490 Recovery = Not calculated							
Li 670.784†	3.0	1.45205 ug/L	0.516607	1.45205 ug/L	0.516607	35.58%
QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.071†	2719.7	4.82350 mg/L	0.027733	4.82350 mg/L	0.027733	0.57%
QC value within limits for Mg 279.071 Recovery = 96.47%							
Mn 257.610†	2093624.9	18717.2 ug/L	54.72	18717.2 ug/L	54.72	0.29%
QC value within limits for Mn 257.610 Recovery = 93.59%							
Mo 202.031†	3552.3	971.197 ug/L	0.4584	971.197 ug/L	0.4584	0.05%
QC value within limits for Mo 202.031 Recovery = 97.12%							
Na 589.592†	35876.2	4.86075 mg/L	0.029035	4.86075 mg/L	0.029035	0.60%
QC value within limits for Na 589.592 Recovery = 97.21%							
Ni 231.604†	172588.3	19301.7 ug/L	68.31	19301.7 ug/L	68.31	0.35%
QC value within limits for Ni 231.604 Recovery = 96.51%							
Pb 220.353†	9.3	-3.24966 ug/L	1.392327	-3.24966 ug/L	1.392327	42.85%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 217.584†	744.2	980.498 ug/L	2.3092	980.498 ug/L	2.3092	0.24%
QC value within limits for Sb 217.584 Recovery = 98.05%							
Se 196.026†	322.7	980.171 ug/L	3.5173	980.171 ug/L	3.5173	0.36%
QC value within limits for Se 196.026 Recovery = 98.02%							
Si 251.611†	4849.7	-84.9467 ug/L	1.05057	-84.9467 ug/L	1.05057	1.24%
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	16.7	22.7581 ug/L	1.08463	22.7581 ug/L	1.08463	4.77%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	686.7	2.53533 ug/L	0.003528	2.53533 ug/L	0.003528	0.14%
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.940†	432143.0	19169.3 ug/L	89.42	19169.3 ug/L	89.42	0.47%
QC value within limits for Ti 334.940 Recovery = 95.85%							
Tl 190.801†	346.0	980.844 ug/L	6.8015	980.844 ug/L	6.8015	0.69%
QC value within limits for Tl 190.801 Recovery = 98.08%							
V 292.395†	809449.6	19339.5 ug/L	58.23	19339.5 ug/L	58.23	0.30%
QC value within limits for V 292.395 Recovery = 96.70%							
Zn 206.200†	15.0	1.07232 ug/L	0.271305	1.07232 ug/L	0.271305	25.30%
QC value within limits for Zn 206.200 Recovery = Not calculated							

All analyte(s) passed QC.

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Sequence No.: 13
Sample ID: 2D25001-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 4/25/2012 8:08:15 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	401055.4	401055.4	98.7208	%			08:09:21
1	Al 396.153†	10720.5	10913.1	2472.29	ug/L	2472.29	ug/L	08:09:21
1	Ba 455.398†	164561.9	166330.6	487.489	ug/L	487.489	ug/L	08:09:21
1	Ca 315.887†	7535.3	7623.8	4.79081	mg/L	4.79081	mg/L	08:09:41
1	Fe 238.204†	1330.3	1318.9	485.749	ug/L	485.749	ug/L	08:09:41
1	K 766.490	7207.4	7487.1	4.86612	mg/L	4.86612	mg/L	08:09:21
1	Li 670.784†	28340.6	28836.3	492.089	ug/L	492.089	ug/L	08:09:21
1	Mg 279.071†	2776.5	2757.1	4.88954	mg/L	4.88954	mg/L	08:09:41
1	Na 589.592†	36173.8	36130.4	4.89504	mg/L	4.89504	mg/L	08:09:21
1	Sr 407.771†	450261.5	455425.9	486.136	ug/L	486.136	ug/L	08:09:21
1	Ti 334.940†	10781.6	10927.8	487.173	ug/L	487.173	ug/L	08:09:41
1	Y 360.076	289044.5	289044.5	99.0547	%			08:10:12
1	Ag 328.068†	28893.9	29117.3	485.391	ug/L	485.391	ug/L	08:10:12
1	As 188.979†	782.0	804.0	2441.21	ug/L	2441.21	ug/L	08:10:32
1	B 249.677†	9646.5	8598.7	473.089	ug/L	473.089	ug/L	08:10:12
1	Be 234.861†	5900.7	6408.9	48.2497	ug/L	48.2497	ug/L	08:10:32
1	Cd 214.437†	5322.4	5166.5	480.325	ug/L	480.325	ug/L	08:10:32
1	Ce 413.764†	1723.5	-9.4	-0.369601	ug/L	-0.369601	ug/L	08:10:12
1	Co 228.616†	1914.0	1958.7	483.853	ug/L	483.853	ug/L	08:10:32
1	Cr 205.557†	2277.7	2307.3	485.213	ug/L	485.213	ug/L	08:10:32
1	Cu 327.397†	17194.8	17136.8	502.508	ug/L	502.508	ug/L	08:10:12
1	Mn 257.610†	53371.4	53653.5	481.159	ug/L	481.159	ug/L	08:10:12
1	Mo 202.031†	1802.4	1785.3	488.752	ug/L	488.752	ug/L	08:10:32

1	Ni 231.604†	4326.4	4326.5	484.973 ug/L	484.973 ug/L	08:10:32
1	Pb 220.353†	526.1	517.2	478.781 ug/L	478.781 ug/L	08:10:32
1	Sb 217.584†	1846.0	1891.4	2445.72 ug/L	2445.72 ug/L	08:10:32
1	Se 196.026†	817.2	813.4	2446.09 ug/L	2446.09 ug/L	08:10:32
1	Si 251.611†	23132.5	23194.5	2403.90 ug/L	2403.90 ug/L	08:10:12
1	Sn 189.927†	2173.7	2209.8	2407.68 ug/L	2407.68 ug/L	08:10:32
1	Tl 190.801†	924.9	944.9	2383.87 ug/L	2383.87 ug/L	08:10:32
1	V 292.395†	19479.4	20194.5	492.979 ug/L	492.979 ug/L	08:10:12
1	Zn 206.200†	1635.3	1664.2	478.867 ug/L	478.867 ug/L	08:10:32
2	Sc 357.234	401604.4	401604.4	98.8559 %		08:09:46
2	Al 396.153†	10711.8	10889.4	2466.92 ug/L	2466.92 ug/L	08:09:46
2	Ba 455.398†	164586.3	166127.4	486.896 ug/L	486.896 ug/L	08:09:46
2	Ca 315.887†	7584.2	7662.8	4.81526 mg/L	4.81526 mg/L	08:10:06
2	Fe 238.204†	1335.9	1322.7	487.141 ug/L	487.141 ug/L	08:10:06
2	K 766.490	7295.6	7575.2	4.92345 mg/L	4.92345 mg/L	08:09:46
2	Li 670.784†	28380.9	28837.8	492.115 ug/L	492.115 ug/L	08:09:46
2	Mg 279.071†	2784.4	2761.2	4.89688 mg/L	4.89688 mg/L	08:10:06
2	Na 589.592†	36279.0	36186.6	4.90263 mg/L	4.90263 mg/L	08:09:46
2	Sr 407.771†	450583.5	455128.1	485.817 ug/L	485.817 ug/L	08:09:46
2	Ti 334.940†	10834.2	10966.2	488.873 ug/L	488.873 ug/L	08:10:06
2	Y 360.076	288247.7	288247.7	98.7816 %		08:10:37
2	Ag 328.068†	28847.6	29151.0	485.953 ug/L	485.953 ug/L	08:10:37
2	As 188.979†	772.0	796.1	2417.26 ug/L	2417.26 ug/L	08:10:58
2	B 249.677†	9663.8	8643.1	475.542 ug/L	475.542 ug/L	08:10:37
2	Be 234.861†	5878.0	6402.4	48.2007 ug/L	48.2007 ug/L	08:10:58
2	Cd 214.437†	5311.6	5170.4	480.687 ug/L	480.687 ug/L	08:10:58
2	Ce 413.764†	1708.0	-20.2	-0.661973 ug/L	-0.661973 ug/L	08:10:37
2	Co 228.616†	1912.1	1962.1	484.691 ug/L	484.691 ug/L	08:10:58
2	Cr 205.557†	2274.5	2310.5	485.877 ug/L	485.877 ug/L	08:10:58
2	Cu 327.397†	17203.8	17193.8	504.171 ug/L	504.171 ug/L	08:10:37
2	Mn 257.610†	53448.2	53880.3	483.185 ug/L	483.185 ug/L	08:10:37
2	Mo 202.031†	1793.4	1781.2	487.632 ug/L	487.632 ug/L	08:10:58
2	Ni 231.604†	4311.2	4323.2	484.599 ug/L	484.599 ug/L	08:10:58
2	Pb 220.353†	523.5	516.0	477.723 ug/L	477.723 ug/L	08:10:58
2	Sb 217.584†	1831.4	1881.7	2433.28 ug/L	2433.28 ug/L	08:10:58
2	Se 196.026†	802.0	800.2	2406.79 ug/L	2406.79 ug/L	08:10:58
2	Si 251.611†	23141.8	23268.4	2411.59 ug/L	2411.59 ug/L	08:10:37
2	Sn 189.927†	2180.4	2222.8	2421.73 ug/L	2421.73 ug/L	08:10:58
2	Tl 190.801†	928.0	950.5	2398.03 ug/L	2398.03 ug/L	08:10:58
2	V 292.395†	19498.2	20267.9	494.710 ug/L	494.710 ug/L	08:10:37
2	Zn 206.200†	1631.6	1665.0	479.105 ug/L	479.105 ug/L	08:10:58

Mean Data: 2D25001-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	401329.9	98.7884	%	0.09555				0.10%
Y 360.076	288646.1	98.9181	%	0.19310				0.20%
Ag 328.068†	29134.2	485.672	ug/L	0.3973	485.672	ug/L	0.3973	0.08%
QC value within limits for Ag 328.068 Recovery = 97.13%								
Al 396.153†	10901.3	2469.60	ug/L	3.795	2469.60	ug/L	3.795	0.15%
QC value within limits for Al 396.153 Recovery = 98.78%								
As 188.979†	800.0	2429.23	ug/L	16.931	2429.23	ug/L	16.931	0.70%
QC value within limits for As 188.979 Recovery = 97.17%								
B 249.677†	8620.9	474.316	ug/L	1.7350	474.316	ug/L	1.7350	0.37%
QC value within limits for B 249.677 Recovery = 94.86%								
Ba 455.398†	166229.0	487.192	ug/L	0.4195	487.192	ug/L	0.4195	0.09%
QC value within limits for Ba 455.398 Recovery = 97.44%								
Be 234.861†	6405.6	48.2252	ug/L	0.03467	48.2252	ug/L	0.03467	0.07%
QC value within limits for Be 234.861 Recovery = 96.45%								
Ca 315.887†	7643.3	4.80303	mg/L	0.017284	4.80303	mg/L	0.017284	0.36%
QC value within limits for Ca 315.887 Recovery = 96.06%								
Cd 214.437†	5168.4	480.506	ug/L	0.2558	480.506	ug/L	0.2558	0.05%
QC value within limits for Cd 214.437 Recovery = 96.10%								
Ce 413.764†	-14.8	-0.515787	ug/L	0.2067384	-0.515787	ug/L	0.2067384	40.08%
Co 228.616†	1960.4	484.272	ug/L	0.5932	484.272	ug/L	0.5932	0.12%
QC value within limits for Co 228.616 Recovery = 96.85%								
Cr 205.557†	2308.9	485.545	ug/L	0.4693	485.545	ug/L	0.4693	0.10%
QC value within limits for Cr 205.557 Recovery = 97.11%								
Cu 327.397†	17165.3	503.339	ug/L	1.1756	503.339	ug/L	1.1756	0.23%
QC value within limits for Cu 327.397 Recovery = 100.67%								

Fe 238.204†	1320.8	486.445 ug/L	0.9846	486.445 ug/L	0.9846	0.20%
QC value within limits for Fe 238.204 Recovery = 97.29%						
K 766.490	7531.2	4.89478 mg/L	0.040542	4.89478 mg/L	0.040542	0.83%
QC value within limits for K 766.490 Recovery = 97.90%						
Li 670.784†	28837.1	492.102 ug/L	0.0179	492.102 ug/L	0.0179	0.00%
QC value within limits for Li 670.784 Recovery = 98.42%						
Mg 279.071†	2759.1	4.89321 mg/L	0.005191	4.89321 mg/L	0.005191	0.11%
QC value within limits for Mg 279.071 Recovery = 97.86%						
Mn 257.610†	53766.9	482.172 ug/L	1.4333	482.172 ug/L	1.4333	0.30%
QC value within limits for Mn 257.610 Recovery = 96.43%						
Mo 202.031†	1783.3	488.192 ug/L	0.7920	488.192 ug/L	0.7920	0.16%
QC value within limits for Mo 202.031 Recovery = 97.64%						
Na 589.592†	36158.5	4.89884 mg/L	0.005369	4.89884 mg/L	0.005369	0.11%
QC value within limits for Na 589.592 Recovery = 97.98%						
Ni 231.604†	4324.8	484.786 ug/L	0.2647	484.786 ug/L	0.2647	0.05%
QC value within limits for Ni 231.604 Recovery = 96.96%						
Pb 220.353†	516.6	478.252 ug/L	0.7477	478.252 ug/L	0.7477	0.16%
QC value within limits for Pb 220.353 Recovery = 95.65%						
Sb 217.584†	1886.6	2439.50 ug/L	8.797	2439.50 ug/L	8.797	0.36%
QC value within limits for Sb 217.584 Recovery = 97.58%						
Se 196.026†	806.8	2426.44 ug/L	27.790	2426.44 ug/L	27.790	1.15%
QC value within limits for Se 196.026 Recovery = 97.06%						
Si 251.611†	23231.4	2407.75 ug/L	5.437	2407.75 ug/L	5.437	0.23%
QC value within limits for Si 251.611 Recovery = 96.31%						
Sn 189.927†	2216.3	2414.70 ug/L	9.937	2414.70 ug/L	9.937	0.41%
QC value within limits for Sn 189.927 Recovery = 96.59%						
Sr 407.771†	455277.0	485.977 ug/L	0.2256	485.977 ug/L	0.2256	0.05%
QC value within limits for Sr 407.771 Recovery = 97.20%						
Ti 334.940†	10947.0	488.023 ug/L	1.2016	488.023 ug/L	1.2016	0.25%
QC value within limits for Ti 334.940 Recovery = 97.60%						
Tl 190.801†	947.7	2390.95 ug/L	10.007	2390.95 ug/L	10.007	0.42%
QC value within limits for Tl 190.801 Recovery = 95.64%						
V 292.395†	20231.2	493.845 ug/L	1.2238	493.845 ug/L	1.2238	0.25%
QC value within limits for V 292.395 Recovery = 98.77%						
Zn 206.200†	1664.6	478.986 ug/L	0.1680	478.986 ug/L	0.1680	0.04%
QC value within limits for Zn 206.200 Recovery = 95.80%						

All analyte(s) passed QC.

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Sequence No.: 14 **Autosampler Location: 1**
Sample ID: 2D25001-CCB **Date Collected: 4/25/2012 8:12:14 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

1

Replicate Data: 2D25001-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	400454.7	400454.7	98.5729	%			08:13:19
1	Al 396.153†	-45.9	7.1	-8.00235	ug/L	-8.00235	ug/L	08:13:44
1	Ba 455.398†	426.0	68.6	2.09354	ug/L	2.09354	ug/L	08:13:24
1	Ca 315.887†	16.7	7.8	0.0120922	mg/L	0.0120922	mg/L	08:13:44
1	Fe 238.204†	33.5	5.2	4.21546	ug/L	4.21546	ug/L	08:13:44
1	K 766.490	-264.8	14.9	0.0043950	mg/L	0.0043950	mg/L	08:13:24
1	Li 670.784†	-115.5	11.3	1.59368	ug/L	1.59368	ug/L	08:13:24
1	Mg 279.071†	54.6	-0.1	0.0223911	mg/L	0.0223911	mg/L	08:13:44
1	Na 589.592†	416.4	-89.7	0.0076436	mg/L	0.0076436	mg/L	08:13:24
1	Sr 407.771†	787.3	128.7	2.40752	ug/L	2.40752	ug/L	08:13:24
1	Ti 334.940†	57.2	64.6	5.35689	ug/L	5.35689	ug/L	08:13:44
1	Y 360.076	290998.8	290998.8	99.7244	%			08:14:20
1	Ag 328.068†	70.3	18.1	2.20543	ug/L	2.20543	ug/L	08:14:20
1	As 188.979†	-8.2	6.3	19.3717	ug/L	19.3717	ug/L	08:14:40
1	B 249.677†	952.5	-184.7	-10.5928	ug/L	-10.5928	ug/L	08:14:40
1	Be 234.861†	-439.4	11.2	0.272936	ug/L	0.272936	ug/L	08:14:40
1	Cd 214.437†	199.9	-6.3	0.463514	ug/L	0.463514	ug/L	08:14:40
1	Ce 413.764†	1780.1	35.8	0.960135	ug/L	0.960135	ug/L	08:14:20
1	Co 228.616†	-24.7	1.7	1.92959	ug/L	1.92959	ug/L	08:14:40
1	Cr 205.557†	-2.2	5.7	1.94572	ug/L	1.94572	ug/L	08:14:40
1	Cu 327.397†	688.6	468.3	16.8920	ug/L	16.8920	ug/L	08:14:20
1	Mn 257.610†	417.1	191.1	3.23694	ug/L	3.23694	ug/L	08:14:40

1	Mo 202.031†	36.8	2.7	2.01517 ug/L	2.01517 ug/L	08:14:40
1	Ni 231.604†	71.1	30.1	4.08714 ug/L	4.08714 ug/L	08:14:40
1	Pb 220.353†	15.8	1.9	0.723249 ug/L	0.723249 ug/L	08:14:40
1	Sb 217.584†	-23.3	4.4	9.17145 ug/L	9.17145 ug/L	08:14:40
1	Se 196.026†	11.2	-0.4	14.7831 ug/L	14.7831 ug/L	08:14:40
1	Si 251.611†	142.4	-16.0	-4.22160 ug/L	-4.22160 ug/L	08:14:40
1	Sn 189.927†	-9.1	6.3	11.5227 ug/L	11.5227 ug/L	08:14:40
1	Tl 190.801†	-11.9	-0.9	25.2108 ug/L	25.2108 ug/L	08:14:40
1	V 292.395†	-418.5	109.6	4.44364 ug/L	4.44364 ug/L	08:14:20
1	Zn 206.200†	-10.4	2.9	1.54271 ug/L	1.54271 ug/L	08:14:40
2	Sc 357.234	402778.0	402778.0	99.1448 %		08:13:49
2	Al 396.153†	-37.4	15.9	-5.98357 ug/L	-5.98357 ug/L	08:14:14
2	Ba 455.398†	371.6	11.2	1.92590 ug/L	1.92590 ug/L	08:13:54
2	Ca 315.887†	22.7	13.7	0.0157872 mg/L	0.0157872 mg/L	08:14:14
2	Fe 238.204†	27.7	-0.8	2.01000 ug/L	2.01000 ug/L	08:14:14
2	K 766.490	-260.0	19.6	0.0074907 mg/L	0.0074907 mg/L	08:13:54
2	Li 670.784†	-146.5	-19.3	1.07221 ug/L	1.07221 ug/L	08:13:54
2	Mg 279.071†	52.5	-2.5	0.0180411 mg/L	0.0180411 mg/L	08:14:14
2	Na 589.592†	452.9	-55.4	0.0122796 mg/L	0.0122796 mg/L	08:13:54
2	Sr 407.771†	731.5	67.8	2.34244 ug/L	2.34244 ug/L	08:13:54
2	Ti 334.940†	67.0	74.2	5.78094 ug/L	5.78094 ug/L	08:14:14
2	Y 360.076	293157.7	293157.7	100.464 %		08:14:45
2	Ag 328.068†	56.3	3.7	1.96567 ug/L	1.96567 ug/L	08:14:45
2	As 188.979†	-10.5	4.1	12.7464 ug/L	12.7464 ug/L	08:15:05
2	B 249.677†	957.5	-186.8	-10.7066 ug/L	-10.7066 ug/L	08:15:05
2	Be 234.861†	-456.7	-2.7	0.168834 ug/L	0.168834 ug/L	08:15:05
2	Cd 214.437†	200.2	-7.5	0.355492 ug/L	0.355492 ug/L	08:15:05
2	Ce 413.764†	1747.2	-10.1	-0.273291 ug/L	-0.273291 ug/L	08:14:45
2	Co 228.616†	-25.3	1.3	1.83389 ug/L	1.83389 ug/L	08:15:05
2	Cr 205.557†	2.6	10.5	2.95556 ug/L	2.95556 ug/L	08:15:05
2	Cu 327.397†	602.0	377.1	14.2385 ug/L	14.2385 ug/L	08:14:45
2	Mn 257.610†	333.1	104.4	2.46212 ug/L	2.46212 ug/L	08:15:05
2	Mo 202.031†	35.8	1.4	1.66591 ug/L	1.66591 ug/L	08:15:05
2	Ni 231.604†	64.1	22.6	3.24661 ug/L	3.24661 ug/L	08:15:05
2	Pb 220.353†	18.6	4.6	3.22763 ug/L	3.22763 ug/L	08:15:05
2	Sb 217.584†	-31.5	-3.6	-1.17989 ug/L	-1.17989 ug/L	08:15:05
2	Se 196.026†	8.0	-3.7	4.83821 ug/L	4.83821 ug/L	08:15:05
2	Si 251.611†	141.1	-18.3	-4.47368 ug/L	-4.47368 ug/L	08:15:05
2	Sn 189.927†	-12.2	3.3	8.20821 ug/L	8.20821 ug/L	08:15:05
2	Tl 190.801†	-8.7	2.5	33.5576 ug/L	33.5576 ug/L	08:15:05
2	V 292.395†	-470.4	61.0	3.27584 ug/L	3.27584 ug/L	08:14:45
2	Zn 206.200†	-16.5	-3.2	-0.208511 ug/L	-0.208511 ug/L	08:15:05

Mean Data: 2D25001-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	401616.3	98.8589	%	0.40438				0.41%
Y 360.076	292078.2	100.094	%	0.5231				0.52%
Ag 328.068†	10.9	2.08555	ug/L	0.169537	2.08555	ug/L	0.169537	8.13%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	11.5	-6.99296	ug/L	1.427489	-6.99296	ug/L	1.427489	20.41%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	5.2	16.0590	ug/L	4.68473	16.0590	ug/L	4.68473	29.17%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-185.7	-10.6497	ug/L	0.08046	-10.6497	ug/L	0.08046	0.76%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	39.9	2.00972	ug/L	0.118540	2.00972	ug/L	0.118540	5.90%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	4.3	0.220885	ug/L	0.0736112	0.220885	ug/L	0.0736112	33.33%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	10.8	0.0139397	mg/L	0.00261276	0.0139397	mg/L	0.00261276	18.74%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-6.9	0.409503	ug/L	0.0763831	0.409503	ug/L	0.0763831	18.65%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	12.8	0.343422	ug/L	0.8721643	0.343422	ug/L	0.8721643	253.96%
Co 228.616†	1.5	1.88174	ug/L	0.067674	1.88174	ug/L	0.067674	3.60%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	8.1	2.45064	ug/L	0.714059	2.45064	ug/L	0.714059	29.14%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	422.7	15.5652	ug/L	1.87635	15.5652	ug/L	1.87635	12.05%

QC value greater than the upper limit for Cu 327.397 Recovery = Not calculated

Fe 238.204†	2.2	3.11273 ug/L	1.559498	3.11273 ug/L	1.559498	50.10%
QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490	17.3	0.0059429 mg/L	0.00218901	0.0059429 mg/L	0.00218901	36.83%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 670.784†	-4.0	1.33294 ug/L	0.368736	1.33294 ug/L	0.368736	27.66%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.071†	-1.3	0.0202161 mg/L	0.00307589	0.0202161 mg/L	0.00307589	15.22%
QC value within limits for Mg 279.071 Recovery = Not calculated						
Mn 257.610†	147.7	2.84953 ug/L	0.547884	2.84953 ug/L	0.547884	19.23%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	2.0	1.84054 ug/L	0.246961	1.84054 ug/L	0.246961	13.42%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	-72.6	0.0099616 mg/L	0.00327815	0.0099616 mg/L	0.00327815	32.91%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	26.3	3.66688 ug/L	0.594348	3.66688 ug/L	0.594348	16.21%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	3.3	1.97544 ug/L	1.770865	1.97544 ug/L	1.770865	89.64%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	0.4	3.99578 ug/L	7.319501	3.99578 ug/L	7.319501	183.18%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	-2.1	9.81067 ug/L	7.032116	9.81067 ug/L	7.032116	71.68%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	-17.2	-4.34764 ug/L	0.178243	-4.34764 ug/L	0.178243	4.10%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	4.8	9.86548 ug/L	2.343728	9.86548 ug/L	2.343728	23.76%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	98.2	2.37498 ug/L	0.046019	2.37498 ug/L	0.046019	1.94%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.940†	69.4	5.56892 ug/L	0.299852	5.56892 ug/L	0.299852	5.38%
QC value within limits for Ti 334.940 Recovery = Not calculated						
Tl 190.801†	0.8	29.3842 ug/L	5.90206	29.3842 ug/L	5.90206	20.09%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	85.3	3.85974 ug/L	0.825758	3.85974 ug/L	0.825758	21.39%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	-0.1	0.667100 ug/L	1.2383018	0.667100 ug/L	1.2383018	185.62%
QC value within limits for Zn 206.200 Recovery = Not calculated						

QC Failed. Continue with analysis.

Sequence No.: 15
Sample ID: 1205036-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 4/25/2012 8:16:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205036-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	395431.5	395431.5	97.3365	%			08:17:25
1	Al 396.153†	-21.7	31.4	-2.43544	ug/L	-2.43544	ug/L	08:17:25
1	Ba 455.398†	389.3	36.3	1.99921	ug/L	1.99921	ug/L	08:17:25
1	Ca 315.887†	44.6	36.7	0.0302055	mg/L	0.0302055	mg/L	08:17:45
1	Fe 238.204†	46.7	19.3	9.36029	ug/L	9.36029	ug/L	08:17:45
1	K 766.490	-252.6	27.1	0.0123266	mg/L	0.0123266	mg/L	08:17:25
1	Li 670.784†	-86.7	39.4	2.07140	ug/L	2.07140	ug/L	08:17:25
1	Mg 279.071†	61.5	7.8	0.0362363	mg/L	0.0362363	mg/L	08:17:45
1	Na 589.592†	427.5	-73.0	0.0099005	mg/L	0.0099005	mg/L	08:17:25
1	Sr 407.771†	738.4	88.6	2.36313	ug/L	2.36313	ug/L	08:17:25
1	Ti 334.940†	0.1	6.6	2.78474	ug/L	2.78474	ug/L	08:17:45
1	Y 360.076	285709.7	285709.7	97.9118	%			08:18:17
1	Ag 328.068†	72.9	22.1	2.27405	ug/L	2.27405	ug/L	08:18:17
1	As 188.979†	-11.6	2.7	8.59564	ug/L	8.59564	ug/L	08:18:37
1	B 249.677†	916.8	-203.5	-11.6318	ug/L	-11.6318	ug/L	08:18:37
1	Be 234.861†	-458.7	-16.6	0.0623268	ug/L	0.0623268	ug/L	08:18:37
1	Cd 214.437†	206.7	4.4	1.45008	ug/L	1.45008	ug/L	08:18:37
1	Ce 413.764†	1685.1	-28.2	-0.759076	ug/L	-0.759076	ug/L	08:18:17
1	Co 228.616†	-20.8	5.3	2.81790	ug/L	2.81790	ug/L	08:18:37
1	Cr 205.557†	-11.9	-4.2	-0.146523	ug/L	-0.146523	ug/L	08:18:37
1	Cu 327.397†	557.0	346.7	13.3511	ug/L	13.3511	ug/L	08:18:17

1	Mn 257.610†	251.2	29.4	1.79188 ug/L	1.79188 ug/L	08:18:37
1	Mo 202.031†	32.0	-1.6	0.846358 ug/L	0.846358 ug/L	08:18:37
1	Ni 231.604†	74.7	35.1	4.64126 ug/L	4.64126 ug/L	08:18:37
1	Pb 220.353†	21.0	7.6	5.94661 ug/L	5.94661 ug/L	08:18:37
1	Sb 217.584†	-23.0	4.3	9.00296 ug/L	9.00296 ug/L	08:18:37
1	Se 196.026†	5.6	-5.9	-1.76411 ug/L	-1.76411 ug/L	08:18:37
1	Si 251.611†	190.8	36.1	1.31442 ug/L	1.31442 ug/L	08:18:37
1	Sn 189.927†	-13.6	1.6	6.33459 ug/L	6.33459 ug/L	08:18:37
1	Tl 190.801†	-13.4	-2.6	20.9014 ug/L	20.9014 ug/L	08:18:37
1	V 292.395†	-457.2	62.3	3.29361 ug/L	3.29361 ug/L	08:18:17
1	Zn 206.200†	35.3	49.3	14.8885 ug/L	14.8885 ug/L	08:18:37
2	Sc 357.234	392987.9	392987.9	96.7350 %		08:17:50
2	Al 396.153†	-20.1	32.9	-2.11424 ug/L	-2.11424 ug/L	08:17:50
2	Ba 455.398†	409.6	59.8	2.06811 ug/L	2.06811 ug/L	08:17:50
2	Ca 315.887†	46.2	38.7	0.0314377 mg/L	0.0314377 mg/L	08:18:10
2	Fe 238.204†	48.8	21.7	10.2471 ug/L	10.2471 ug/L	08:18:10
2	K 766.490	-237.7	41.9	0.0219901 mg/L	0.0219901 mg/L	08:17:50
2	Li 670.784†	-89.9	35.5	2.00536 ug/L	2.00536 ug/L	08:17:50
2	Mg 279.071†	49.6	-4.1	0.0152279 mg/L	0.0152279 mg/L	08:18:10
2	Na 589.592†	420.4	-77.6	0.0092839 mg/L	0.0092839 mg/L	08:17:50
2	Sr 407.771†	740.2	95.2	2.37003 ug/L	2.37003 ug/L	08:17:50
2	Ti 334.940†	1.2	7.7	2.83572 ug/L	2.83572 ug/L	08:18:10
2	Y 360.076	284623.8	284623.8	97.5397 %		08:18:42
2	Ag 328.068†	76.9	26.4	2.34492 ug/L	2.34492 ug/L	08:18:42
2	As 188.979†	-13.9	0.2	1.01370 ug/L	1.01370 ug/L	08:19:02
2	B 249.677†	908.7	-208.2	-11.8909 ug/L	-11.8909 ug/L	08:19:02
2	Be 234.861†	-468.1	-28.0	-0.0237620 ug/L	-0.0237620 ug/L	08:19:02
2	Cd 214.437†	206.8	5.3	1.53323 ug/L	1.53323 ug/L	08:19:02
2	Ce 413.764†	1757.4	52.4	1.40834 ug/L	1.40834 ug/L	08:18:42
2	Co 228.616†	-20.7	5.3	2.81759 ug/L	2.81759 ug/L	08:19:02
2	Cr 205.557†	-9.1	-1.4	0.447938 ug/L	0.447938 ug/L	08:19:02
2	Cu 327.397†	543.6	335.2	13.0159 ug/L	13.0159 ug/L	08:18:42
2	Mn 257.610†	256.9	36.2	1.85267 ug/L	1.85267 ug/L	08:19:02
2	Mo 202.031†	39.8	6.5	3.07543 ug/L	3.07543 ug/L	08:19:02
2	Ni 231.604†	77.0	37.7	4.94345 ug/L	4.94345 ug/L	08:19:02
2	Pb 220.353†	20.5	7.1	5.48340 ug/L	5.48340 ug/L	08:19:02
2	Sb 217.584†	-27.9	-0.8	2.38035 ug/L	2.38035 ug/L	08:19:02
2	Se 196.026†	2.1	-9.5	-12.3496 ug/L	-12.3496 ug/L	08:19:02
2	Si 251.611†	182.7	28.5	0.504893 ug/L	0.504893 ug/L	08:19:02
2	Sn 189.927†	-17.3	-2.3	2.08440 ug/L	2.08440 ug/L	08:19:02
2	Tl 190.801†	-12.9	-2.1	22.1048 ug/L	22.1048 ug/L	08:19:02
2	V 292.395†	-516.1	0.1	1.84838 ug/L	1.84838 ug/L	08:18:42
2	Zn 206.200†	39.9	54.2	16.2826 ug/L	16.2826 ug/L	08:19:02

Mean Data: 1205036-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	394209.7	97.0357	%	0.42533				0.44%
Y 360.076	285166.8	97.7258	%	0.26313				0.27%
Ag 328.068†	24.2	2.30949	ug/L	0.050117	2.30949	ug/L	0.050117	2.17%
Al 396.153†	32.2	-2.27484	ug/L	0.227122	-2.27484	ug/L	0.227122	9.98%
As 188.979†	1.5	4.80467	ug/L	5.361238	4.80467	ug/L	5.361238	111.58%
B 249.677†	-205.8	-11.7614	ug/L	0.18323	-11.7614	ug/L	0.18323	1.56%
Ba 455.398†	48.1	2.03366	ug/L	0.048714	2.03366	ug/L	0.048714	2.40%
Be 234.861†	-22.3	0.0192824	ug/L	0.06087395	0.0192824	ug/L	0.06087395	315.70%
Ca 315.887†	37.7	0.0308216	mg/L	0.00087131	0.0308216	mg/L	0.00087131	2.83%
Cd 214.437†	4.8	1.49165	ug/L	0.058799	1.49165	ug/L	0.058799	3.94%
Ce 413.764†	12.1	0.324631	ug/L	1.5325940	0.324631	ug/L	1.5325940	472.10%
Co 228.616†	5.3	2.81775	ug/L	0.000217	2.81775	ug/L	0.000217	0.01%
Cr 205.557†	-2.8	0.150707	ug/L	0.4203474	0.150707	ug/L	0.4203474	278.92%
Cu 327.397†	340.9	13.1835	ug/L	0.23706	13.1835	ug/L	0.23706	1.80%
Fe 238.204†	20.5	9.80369	ug/L	0.627061	9.80369	ug/L	0.627061	6.40%
K 766.490	34.5	0.0171584	mg/L	0.00683313	0.0171584	mg/L	0.00683313	39.82%
Li 670.784†	37.4	2.03838	ug/L	0.046700	2.03838	ug/L	0.046700	2.29%
Mg 279.071†	1.8	0.0257321	mg/L	0.01485522	0.0257321	mg/L	0.01485522	57.73%
Mn 257.610†	32.8	1.82227	ug/L	0.042989	1.82227	ug/L	0.042989	2.36%
Mo 202.031†	2.5	1.96089	ug/L	1.576193	1.96089	ug/L	1.576193	80.38%
Na 589.592†	-75.3	0.0095922	mg/L	0.00043599	0.0095922	mg/L	0.00043599	4.55%
Ni 231.604†	36.4	4.79236	ug/L	0.213677	4.79236	ug/L	0.213677	4.46%
Pb 220.353†	7.3	5.71501	ug/L	0.327538	5.71501	ug/L	0.327538	5.73%

Sb 217.584†	1.7	5.69165 ug/L	4.682892	5.69165 ug/L	4.682892	82.28%
Se 196.026†	-7.7	-7.05688 ug/L	7.485096	-7.05688 ug/L	7.485096	106.07%
Si 251.611†	32.3	0.909658 ug/L	0.5724245	0.909658 ug/L	0.5724245	62.93%
Sn 189.927†	-0.4	4.20950 ug/L	3.005340	4.20950 ug/L	3.005340	71.39%
Sr 407.771†	91.9	2.36658 ug/L	0.004879	2.36658 ug/L	0.004879	0.21%
Ti 334.940†	7.2	2.81023 ug/L	0.036050	2.81023 ug/L	0.036050	1.28%
Tl 190.801†	-2.3	21.5031 ug/L	0.85093	21.5031 ug/L	0.85093	3.96%
V 292.395†	31.2	2.57099 ug/L	1.021930	2.57099 ug/L	1.021930	39.75%
Zn 206.200†	51.7	15.5856 ug/L	0.98578	15.5856 ug/L	0.98578	6.32%

Sequence No.: 16
Sample ID: 1205036-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 4/25/2012 8:20:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205036-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	390717.0	390717.0	96.1760	%			08:21:23
1	Al 396.153†	7999.8	8371.5	1900.59	ug/L	1900.59	ug/L	08:21:23
1	Ba 455.398†	128188.7	132921.9	389.954	ug/L	389.954	ug/L	08:21:23
1	Ca 315.887†	28446.6	29568.5	18.5602	mg/L	18.5602	mg/L	08:21:23
1	Fe 238.204†	1050.3	1063.3	392.069	ug/L	392.069	ug/L	08:21:43
1	K 766.490	28568.4	28848.1	18.7644	mg/L	18.7644	mg/L	08:21:23
1	Li 670.784†	21846.1	22843.2	390.109	ug/L	390.109	ug/L	08:21:23
1	Mg 279.071†	10611.4	10977.8	19.4016	mg/L	19.4016	mg/L	08:21:43
1	Na 589.592†	139110.7	144129.6	19.4680	mg/L	19.4680	mg/L	08:21:23
1	Sr 407.771†	351096.7	364386.5	387.975	ug/L	387.975	ug/L	08:21:23
1	Ti 334.940†	8549.3	8895.8	397.046	ug/L	397.046	ug/L	08:21:43
1	Y 360.076	280571.3	280571.3	96.1509	%			08:22:15
1	Ag 328.068†	22322.3	23163.5	386.534	ug/L	386.534	ug/L	08:22:15
1	As 188.979†	582.9	620.8	1885.03	ug/L	1885.03	ug/L	08:22:35
1	B 249.677†	7314.9	6467.9	355.675	ug/L	355.675	ug/L	08:22:15
1	Be 234.861†	4414.1	5042.6	38.0032	ug/L	38.0032	ug/L	08:22:35
1	Cd 214.437†	4133.8	4092.6	380.708	ug/L	380.708	ug/L	08:22:35
1	Ce 413.764†	1726.5	46.3	0.895632	ug/L	0.895632	ug/L	08:22:15
1	Co 228.616†	1474.7	1560.2	385.703	ug/L	385.703	ug/L	08:22:35
1	Cr 205.557†	1771.5	1850.3	389.031	ug/L	389.031	ug/L	08:22:35
1	Cu 327.397†	13215.6	13522.5	397.229	ug/L	397.229	ug/L	08:22:15
1	Mn 257.610†	41237.4	42661.1	382.893	ug/L	382.893	ug/L	08:22:15
1	Mo 202.031†	1437.9	1461.2	400.267	ug/L	400.267	ug/L	08:22:35
1	Ni 231.604†	3341.3	3433.9	385.086	ug/L	385.086	ug/L	08:22:35
1	Pb 220.353†	416.8	419.6	388.263	ug/L	388.263	ug/L	08:22:35
1	Sb 217.584†	1416.7	1501.2	1941.89	ug/L	1941.89	ug/L	08:22:35
1	Se 196.026†	600.2	612.6	1846.20	ug/L	1846.20	ug/L	08:22:35
1	Si 251.611†	16831.4	17346.4	1795.97	ug/L	1795.97	ug/L	08:22:15
1	Sn 189.927†	1680.6	1763.3	1922.16	ug/L	1922.16	ug/L	08:22:35
1	Tl 190.801†	721.2	761.2	1925.88	ug/L	1925.88	ug/L	08:22:35
1	V 292.395†	15022.4	16153.0	394.851	ug/L	394.851	ug/L	08:22:15
1	Zn 206.200†	1233.8	1296.4	373.202	ug/L	373.202	ug/L	08:22:35
2	Sc 357.234	388823.6	388823.6	95.7099	%			08:21:48
2	Al 396.153†	8040.6	8454.7	1919.58	ug/L	1919.58	ug/L	08:21:48
2	Ba 455.398†	128045.6	133421.5	391.412	ug/L	391.412	ug/L	08:21:48
2	Ca 315.887†	28491.5	29759.4	18.6800	mg/L	18.6800	mg/L	08:21:48
2	Fe 238.204†	1052.1	1070.6	394.730	ug/L	394.730	ug/L	08:22:08
2	K 766.490	28590.3	28869.9	18.7786	mg/L	18.7786	mg/L	08:21:48
2	Li 670.784†	21868.6	22977.3	392.391	ug/L	392.391	ug/L	08:21:48
2	Mg 279.071†	10637.2	11058.5	19.5441	mg/L	19.5441	mg/L	08:22:08
2	Na 589.592†	138907.2	144621.4	19.5344	mg/L	19.5344	mg/L	08:21:48
2	Sr 407.771†	351185.1	366256.5	389.952	ug/L	389.952	ug/L	08:21:48
2	Ti 334.940†	8575.0	8965.9	400.157	ug/L	400.157	ug/L	08:22:08
2	Y 360.076	280630.3	280630.3	96.1712	%			08:22:40
2	Ag 328.068†	22408.2	23247.9	387.937	ug/L	387.937	ug/L	08:22:40
2	As 188.979†	585.8	623.6	1893.57	ug/L	1893.57	ug/L	08:23:00
2	B 249.677†	7421.9	6577.5	361.739	ug/L	361.739	ug/L	08:22:40
2	Be 234.861†	4411.0	5038.5	37.9714	ug/L	37.9714	ug/L	08:23:00
2	Cd 214.437†	4133.0	4090.8	380.543	ug/L	380.543	ug/L	08:23:00
2	Ce 413.764†	1696.3	14.5	0.0389760	ug/L	0.0389760	ug/L	08:22:40

2	Co 228.616†	1467.5	1552.4	383.775 ug/L	383.775 ug/L	08:23:00
2	Cr 205.557†	1769.2	1847.5	388.444 ug/L	388.444 ug/L	08:23:00
2	Cu 327.397†	13298.6	13605.9	399.660 ug/L	399.660 ug/L	08:22:40
2	Mn 257.610†	41458.2	42881.6	384.864 ug/L	384.864 ug/L	08:22:40
2	Mo 202.031†	1444.2	1467.5	401.971 ug/L	401.971 ug/L	08:23:00
2	Ni 231.604†	3351.0	3443.1	386.128 ug/L	386.128 ug/L	08:23:00
2	Pb 220.353†	414.6	417.2	386.058 ug/L	386.058 ug/L	08:23:00
2	Sb 217.584†	1426.4	1511.0	1954.48 ug/L	1954.48 ug/L	08:23:00
2	Se 196.026†	602.8	615.1	1853.84 ug/L	1853.84 ug/L	08:23:00
2	Si 251.611†	16824.4	17335.4	1794.71 ug/L	1794.71 ug/L	08:22:40
2	Sn 189.927†	1677.7	1759.9	1918.40 ug/L	1918.40 ug/L	08:23:00
2	Tl 190.801†	719.7	759.5	1921.51 ug/L	1921.51 ug/L	08:23:00
2	V 292.395†	15085.1	16214.9	396.361 ug/L	396.361 ug/L	08:22:40
2	Zn 206.200†	1235.6	1298.1	373.679 ug/L	373.679 ug/L	08:23:00

Mean Data: 1205036-BS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	389770.3	95.9429	%	0.32956				0.34%
Y 360.076	280600.8	96.1611	%	0.01429				0.01%
Ag 328.068†	23205.7	387.235	ug/L	0.9920	387.235	ug/L	0.9920	0.26%
Al 396.153†	8413.1	1910.09	ug/L	13.431	1910.09	ug/L	13.431	0.70%
As 188.979†	622.2	1889.30	ug/L	6.040	1889.30	ug/L	6.040	0.32%
B 249.677†	6522.7	358.707	ug/L	4.2882	358.707	ug/L	4.2882	1.20%
Ba 455.398†	133171.7	390.683	ug/L	1.0312	390.683	ug/L	1.0312	0.26%
Be 234.861†	5040.6	37.9873	ug/L	0.02245	37.9873	ug/L	0.02245	0.06%
Ca 315.887†	29664.0	18.6201	mg/L	0.08470	18.6201	mg/L	0.08470	0.45%
Cd 214.437†	4091.7	380.625	ug/L	0.1167	380.625	ug/L	0.1167	0.03%
Ce 413.764†	30.4	0.467304	ug/L	0.6057470	0.467304	ug/L	0.6057470	129.63%
Co 228.616†	1556.3	384.739	ug/L	1.3632	384.739	ug/L	1.3632	0.35%
Cr 205.557†	1848.9	388.737	ug/L	0.4152	388.737	ug/L	0.4152	0.11%
Cu 327.397†	13564.2	398.444	ug/L	1.7183	398.444	ug/L	1.7183	0.43%
Fe 238.204†	1067.0	393.399	ug/L	1.8819	393.399	ug/L	1.8819	0.48%
K 766.490	28859.0	18.7715	mg/L	0.01006	18.7715	mg/L	0.01006	0.05%
Li 670.784†	22910.3	391.250	ug/L	1.6138	391.250	ug/L	1.6138	0.41%
Mg 279.071†	11018.2	19.4728	mg/L	0.10073	19.4728	mg/L	0.10073	0.52%
Mn 257.610†	42771.3	383.878	ug/L	1.3938	383.878	ug/L	1.3938	0.36%
Mo 202.031†	1464.4	401.119	ug/L	1.2052	401.119	ug/L	1.2052	0.30%
Na 589.592†	144375.5	19.5012	mg/L	0.04692	19.5012	mg/L	0.04692	0.24%
Ni 231.604†	3438.5	385.607	ug/L	0.7364	385.607	ug/L	0.7364	0.19%
Pb 220.353†	418.4	387.160	ug/L	1.5590	387.160	ug/L	1.5590	0.40%
Sb 217.584†	1506.1	1948.19	ug/L	8.899	1948.19	ug/L	8.899	0.46%
Se 196.026†	613.9	1850.02	ug/L	5.398	1850.02	ug/L	5.398	0.29%
Si 251.611†	17340.9	1795.34	ug/L	0.888	1795.34	ug/L	0.888	0.05%
Sn 189.927†	1761.6	1920.28	ug/L	2.659	1920.28	ug/L	2.659	0.14%
Sr 407.771†	365321.5	388.964	ug/L	1.3980	388.964	ug/L	1.3980	0.36%
Ti 334.940†	8930.9	398.602	ug/L	2.1996	398.602	ug/L	2.1996	0.55%
Tl 190.801†	760.3	1923.70	ug/L	3.089	1923.70	ug/L	3.089	0.16%
V 292.395†	16184.0	395.606	ug/L	1.0677	395.606	ug/L	1.0677	0.27%
Zn 206.200†	1297.3	373.441	ug/L	0.3373	373.441	ug/L	0.3373	0.09%

Sequence No.: 17
Sample ID: 1204329-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 4/25/2012 8:24:12 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204329-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	393390.5	393390.5	96.8341	%			08:25:18
1	Al 396.153†	-163.9	-115.6	-20.3396	ug/L	-20.3396	ug/L	08:25:23
1	Ba 455.398†	43208.5	44257.6	131.102	ug/L	131.102	ug/L	08:25:18
1	Ca 315.887†	54329.7	56096.8	35.2056	mg/L	35.2056	mg/L	08:25:23
1	Fe 238.204†	44.5	17.2	8.60249	ug/L	8.60249	ug/L	08:25:43
1	K 766.490	3064.5	3344.2	2.17057	mg/L	2.17057	mg/L	08:25:23
1	Li 670.784†	657.2	807.1	15.1354	ug/L	15.1354	ug/L	08:25:23
1	Mg 279.071†	2830.1	2867.2	5.08391	mg/L	5.08391	mg/L	08:25:43

1	Na 589.592†	167053.1	172002.6	23.2291 mg/L	23.2291 mg/L	08:25:18
1	Sr 407.771†	214437.6	220778.5	233.629 ug/L	233.629 ug/L	08:25:18
1	Ti 334.940†	-8.9	-2.7	2.37424 ug/L	2.37424 ug/L	08:25:43
1	Y 360.076	284491.3	284491.3	97.4943 %		08:26:19
1	Ag 328.068†	66.6	15.9	2.17038 ug/L	2.17038 ug/L	08:26:19
1	As 188.979†	-9.7	4.5	14.1266 ug/L	14.1266 ug/L	08:26:39
1	B 249.677†	1743.2	648.2	35.4578 ug/L	35.4578 ug/L	08:26:19
1	Be 234.861†	-461.0	-21.0	0.0310832 ug/L	0.0310832 ug/L	08:26:39
1	Cd 214.437†	226.1	25.1	3.38091 ug/L	3.38091 ug/L	08:26:39
1	Ce 413.764†	1757.3	53.2	0.821903 ug/L	0.821903 ug/L	08:26:19
1	Co 228.616†	-33.1	-7.5	-0.330158 ug/L	-0.330158 ug/L	08:26:39
1	Cr 205.557†	8.3	16.4	3.64633 ug/L	3.64633 ug/L	08:26:39
1	Cu 327.397†	486.8	277.1	11.3283 ug/L	11.3283 ug/L	08:26:19
1	Mn 257.610†	274.0	53.9	2.01063 ug/L	2.01063 ug/L	08:26:39
1	Mo 202.031†	87.8	55.9	16.5368 ug/L	16.5368 ug/L	08:26:39
1	Ni 231.604†	47.6	7.6	1.60438 ug/L	1.60438 ug/L	08:26:39
1	Pb 220.353†	8.6	-5.0	-5.68026 ug/L	-5.68026 ug/L	08:26:39
1	Sb 217.584†	-32.2	-5.2	-3.30877 ug/L	-3.30877 ug/L	08:26:39
1	Se 196.026†	12.1	0.8	18.3318 ug/L	18.3318 ug/L	08:26:39
1	Si 251.611†	116259.5	119088.7	12445.5 ug/L	12445.5 ug/L	08:26:19
1	Sn 189.927†	-18.7	-3.7	0.618471 ug/L	0.618471 ug/L	08:26:39
1	Tl 190.801†	-12.8	-2.0	22.2491 ug/L	22.2491 ug/L	08:26:39
1	V 292.395†	-319.5	201.6	6.91718 ug/L	6.91718 ug/L	08:26:19
1	Zn 206.200†	32.7	46.8	14.1513 ug/L	14.1513 ug/L	08:26:39
2	Sc 357.234	409942.4	409942.4	100.908 %		08:25:48
2	Al 396.153†	-133.0	-78.1	-12.4140 ug/L	-12.4140 ug/L	08:25:53
2	Ba 455.398†	43127.8	42375.9	125.608 ug/L	125.608 ug/L	08:25:48
2	Ca 315.887†	54304.7	53806.7	33.7686 mg/L	33.7686 mg/L	08:25:53
2	Fe 238.204†	42.7	13.6	7.28644 ug/L	7.28644 ug/L	08:26:13
2	K 766.490	3053.6	3333.3	2.16346 mg/L	2.16346 mg/L	08:25:53
2	Li 670.784†	622.3	745.1	14.0809 ug/L	14.0809 ug/L	08:25:53
2	Mg 279.071†	2831.1	2750.2	4.87737 mg/L	4.87737 mg/L	08:26:13
2	Na 589.592†	166220.3	164211.8	22.1778 mg/L	22.1778 mg/L	08:25:48
2	Sr 407.771†	213955.8	211359.8	223.752 ug/L	223.752 ug/L	08:25:48
2	Ti 334.940†	4.9	11.4	2.99566 ug/L	2.99566 ug/L	08:26:13
2	Y 360.076	286689.8	286689.8	98.2477 %		08:26:44
2	Ag 328.068†	79.5	28.6	2.38205 ug/L	2.38205 ug/L	08:26:44
2	As 188.979†	-4.6	9.8	30.2397 ug/L	30.2397 ug/L	08:27:04
2	B 249.677†	1750.1	641.5	35.0863 ug/L	35.0863 ug/L	08:26:44
2	Be 234.861†	-471.4	-27.9	-0.0211284 ug/L	-0.0211284 ug/L	08:27:04
2	Cd 214.437†	229.2	26.5	3.51174 ug/L	3.51174 ug/L	08:27:04
2	Ce 413.764†	1668.2	-51.3	-1.96221 ug/L	-1.96221 ug/L	08:26:44
2	Co 228.616†	-30.5	-4.5	0.407332 ug/L	0.407332 ug/L	08:27:04
2	Cr 205.557†	8.4	16.4	3.67841 ug/L	3.67841 ug/L	08:27:04
2	Cu 327.397†	497.4	284.1	11.5316 ug/L	11.5316 ug/L	08:26:44
2	Mn 257.610†	279.2	57.0	2.03840 ug/L	2.03840 ug/L	08:27:04
2	Mo 202.031†	82.8	50.1	14.9540 ug/L	14.9540 ug/L	08:27:04
2	Ni 231.604†	32.2	-8.5	-0.193856 ug/L	-0.193856 ug/L	08:27:04
2	Pb 220.353†	13.1	-0.5	-1.51523 ug/L	-1.51523 ug/L	08:27:04
2	Sb 217.584†	-30.4	-3.1	-0.628907 ug/L	-0.628907 ug/L	08:27:04
2	Se 196.026†	10.2	-1.3	12.2094 ug/L	12.2094 ug/L	08:27:04
2	Si 251.611†	116906.6	118832.9	12418.8 ug/L	12418.8 ug/L	08:26:44
2	Sn 189.927†	-16.8	-1.7	2.80911 ug/L	2.80911 ug/L	08:27:04
2	Tl 190.801†	-10.8	0.1	27.5124 ug/L	27.5124 ug/L	08:27:04
2	V 292.395†	-275.5	248.9	8.01749 ug/L	8.01749 ug/L	08:26:44
2	Zn 206.200†	22.9	36.6	11.2289 ug/L	11.2289 ug/L	08:27:04

Mean Data: 1204329-01

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	401666.5	98.8712	%	2.88096				2.91%
Y 360.076	285590.5	97.8710	%	0.53277				0.54%
Ag 328.068†	22.2	2.27622	ug/L	0.149677	2.27622	ug/L	0.149677	6.58%
Al 396.153†	-96.8	-16.3768	ug/L	5.60425	-16.3768	ug/L	5.60425	34.22%
As 188.979†	7.2	22.1832	ug/L	11.39372	22.1832	ug/L	11.39372	51.36%
B 249.677†	644.9	35.2720	ug/L	0.26267	35.2720	ug/L	0.26267	0.74%
Ba 455.398†	43316.7	128.355	ug/L	3.8847	128.355	ug/L	3.8847	3.03%
Be 234.861†	-24.5	0.0049774	ug/L	0.03691918	0.0049774	ug/L	0.03691918	741.74%
Ca 315.887†	54951.7	34.4871	mg/L	1.01610	34.4871	mg/L	1.01610	2.95%
Cd 214.437†	25.8	3.44633	ug/L	0.092510	3.44633	ug/L	0.092510	2.68%

Ce 413.764†	0.9	-0.570154 ug/L	1.9686661	-0.570154 ug/L	1.9686661	345.29%
Co 228.616†	-6.0	0.0385866 ug/L	0.52148416	0.0385866 ug/L	0.52148416	>999.9%
Cr 205.557†	16.4	3.66237 ug/L	0.022689	3.66237 ug/L	0.022689	0.62%
Cu 327.397†	280.6	11.4300 ug/L	0.14373	11.4300 ug/L	0.14373	1.26%
Fe 238.204†	15.4	7.94446 ug/L	0.930589	7.94446 ug/L	0.930589	11.71%
K 766.490	3338.7	2.16701 mg/L	0.005028	2.16701 mg/L	0.005028	0.23%
Li 670.784†	776.1	14.6082 ug/L	0.74562	14.6082 ug/L	0.74562	5.10%
Mg 279.071†	2808.7	4.98064 mg/L	0.146050	4.98064 mg/L	0.146050	2.93%
Mn 257.610†	55.4	2.02452 ug/L	0.019632	2.02452 ug/L	0.019632	0.97%
Mo 202.031†	53.0	15.7454 ug/L	1.11923	15.7454 ug/L	1.11923	7.11%
Na 589.592†	168107.2	22.7035 mg/L	0.74335	22.7035 mg/L	0.74335	3.27%
Ni 231.604†	-0.4	0.705262 ug/L	1.2715455	0.705262 ug/L	1.2715455	180.29%
Pb 220.353†	-2.8	-3.59775 ug/L	2.945120	-3.59775 ug/L	2.945120	81.86%
Sb 217.584†	-4.2	-1.96884 ug/L	1.894951	-1.96884 ug/L	1.894951	96.25%
Se 196.026†	-0.2	15.2706 ug/L	4.32916	15.2706 ug/L	4.32916	28.35%
Si 251.611†	118960.8	12432.1 ug/L	18.91	12432.1 ug/L	18.91	0.15%
Sn 189.927†	-2.7	1.71379 ug/L	1.549015	1.71379 ug/L	1.549015	90.39%
Sr 407.771†	216069.1	228.690 ug/L	6.9836	228.690 ug/L	6.9836	3.05%
Ti 334.940†	4.3	2.68495 ug/L	0.439414	2.68495 ug/L	0.439414	16.37%
Tl 190.801†	-1.0	24.8807 ug/L	3.72172	24.8807 ug/L	3.72172	14.96%
V 292.395†	225.2	7.46734 ug/L	0.778040	7.46734 ug/L	0.778040	10.42%
Zn 206.200†	41.7	12.6901 ug/L	2.06643	12.6901 ug/L	2.06643	16.28%

Sequence No.: 18
Sample ID: 1205036-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 4/25/2012 8:28:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205036-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	385362.6	385362.6	94.8580	%			08:29:26
1	Al 396.153†	7765.6	8240.3	1886.19	ug/L	1886.19	ug/L	08:29:26
1	Ba 455.398†	168359.1	177121.9	518.994	ug/L	518.994	ug/L	08:29:26
1	Ca 315.887†	80822.1	85194.1	53.4629	mg/L	53.4629	mg/L	08:29:26
1	Fe 238.204†	1023.0	1049.8	387.115	ug/L	387.115	ug/L	08:29:46
1	K 766.490	31460.1	31739.8	20.6459	mg/L	20.6459	mg/L	08:29:26
1	Li 670.784†	22301.6	23638.9	403.649	ug/L	403.649	ug/L	08:29:26
1	Mg 279.071†	13177.5	13836.4	24.4478	mg/L	24.4478	mg/L	08:29:46
1	Na 589.592†	303844.1	319802.6	43.1726	mg/L	43.1726	mg/L	08:29:26
1	Sr 407.771†	557097.0	586626.0	620.915	ug/L	620.915	ug/L	08:29:26
1	Ti 334.940†	8429.2	8892.6	396.905	ug/L	396.905	ug/L	08:29:46
1	Y 360.076	274063.3	274063.3	93.9207	%			08:30:17
1	Ag 328.068†	21755.8	23111.6	385.669	ug/L	385.669	ug/L	08:30:17
1	As 188.979†	572.9	624.5	1896.36	ug/L	1896.36	ug/L	08:30:37
1	B 249.677†	8063.5	7445.6	409.742	ug/L	409.742	ug/L	08:30:17
1	Be 234.861†	4292.3	5022.0	37.8506	ug/L	37.8506	ug/L	08:30:37
1	Cd 214.437†	3990.1	4041.6	375.981	ug/L	375.981	ug/L	08:30:37
1	Ce 413.764†	1770.5	135.9	2.69904	ug/L	2.69904	ug/L	08:30:17
1	Co 228.616†	1415.2	1533.3	379.056	ug/L	379.056	ug/L	08:30:37
1	Cr 205.557†	1733.2	1853.3	389.124	ug/L	389.124	ug/L	08:30:37
1	Cu 327.397†	13042.7	13664.7	401.368	ug/L	401.368	ug/L	08:30:17
1	Mn 257.610†	39756.0	42102.2	377.897	ug/L	377.897	ug/L	08:30:17
1	Mo 202.031†	1450.2	1509.8	413.530	ug/L	413.530	ug/L	08:30:37
1	Ni 231.604†	3195.2	3360.8	376.952	ug/L	376.952	ug/L	08:30:37
1	Pb 220.353†	400.2	412.2	381.475	ug/L	381.475	ug/L	08:30:37
1	Sb 217.584†	1376.1	1493.0	1931.24	ug/L	1931.24	ug/L	08:30:37
1	Se 196.026†	589.6	616.1	1856.73	ug/L	1856.73	ug/L	08:30:37
1	Si 251.611†	131172.5	139504.3	14564.8	ug/L	14564.8	ug/L	08:30:17
1	Sn 189.927†	1629.8	1750.8	1908.48	ug/L	1908.48	ug/L	08:30:37
1	Tl 190.801†	711.7	768.9	1945.05	ug/L	1945.05	ug/L	08:30:37
1	V 292.395†	14851.0	16341.5	399.606	ug/L	399.606	ug/L	08:30:17
1	Zn 206.200†	1214.5	1306.4	376.068	ug/L	376.068	ug/L	08:30:37
2	Sc 357.234	385168.5	385168.5	94.8102	%			08:29:51
2	Al 396.153†	7797.1	8277.5	1894.92	ug/L	1894.92	ug/L	08:29:51
2	Ba 455.398†	170053.0	178997.9	524.471	ug/L	524.471	ug/L	08:29:51
2	Ca 315.887†	81604.2	86061.9	54.0074	mg/L	54.0074	mg/L	08:29:51
2	Fe 238.204†	1026.8	1054.4	388.782	ug/L	388.782	ug/L	08:30:11

2	K 766.490	31772.5	32052.1	20.8491 mg/L	20.8491 mg/L	08:29:51
2	Li 670.784†	22622.9	23989.7	409.618 ug/L	409.618 ug/L	08:29:51
2	Mg 279.071†	13154.9	13819.5	24.4180 mg/L	24.4180 mg/L	08:30:11
2	Na 589.592†	307086.3	323383.7	43.6559 mg/L	43.6559 mg/L	08:29:51
2	Sr 407.771†	562992.0	593139.5	627.789 ug/L	627.789 ug/L	08:29:51
2	Ti 334.940†	8397.7	8863.9	395.632 ug/L	395.632 ug/L	08:30:11
2	Y 360.076	274420.8	274420.8	94.0432 %		08:30:42
2	Ag 328.068†	21825.7	23155.8	386.402 ug/L	386.402 ug/L	08:30:42
2	As 188.979†	572.2	622.9	1891.47 ug/L	1891.47 ug/L	08:31:02
2	B 249.677†	8141.4	7517.3	413.705 ug/L	413.705 ug/L	08:30:42
2	Be 234.861†	4306.0	5030.6	37.9150 ug/L	37.9150 ug/L	08:31:02
2	Cd 214.437†	4012.1	4059.5	377.645 ug/L	377.645 ug/L	08:31:02
2	Ce 413.764†	1801.4	166.2	3.50549 ug/L	3.50549 ug/L	08:30:42
2	Co 228.616†	1418.7	1535.1	379.506 ug/L	379.506 ug/L	08:31:02
2	Cr 205.557†	1728.3	1845.7	387.517 ug/L	387.517 ug/L	08:31:02
2	Cu 327.397†	13032.6	13635.9	400.527 ug/L	400.527 ug/L	08:30:42
2	Mn 257.610†	39898.6	42198.7	378.759 ug/L	378.759 ug/L	08:30:42
2	Mo 202.031†	1456.5	1514.5	414.804 ug/L	414.804 ug/L	08:31:02
2	Ni 231.604†	3213.5	3375.8	378.632 ug/L	378.632 ug/L	08:31:02
2	Pb 220.353†	408.5	420.5	389.120 ug/L	389.120 ug/L	08:31:02
2	Sb 217.584†	1386.0	1501.6	1942.33 ug/L	1942.33 ug/L	08:31:02
2	Se 196.026†	578.5	603.5	1819.03 ug/L	1819.03 ug/L	08:31:02
2	Si 251.611†	131669.3	139850.6	14601.0 ug/L	14601.0 ug/L	08:30:42
2	Sn 189.927†	1637.7	1756.8	1915.07 ug/L	1915.07 ug/L	08:31:02
2	Tl 190.801†	717.8	774.3	1958.61 ug/L	1958.61 ug/L	08:31:02
2	V 292.395†	14790.0	16256.0	397.590 ug/L	397.590 ug/L	08:30:42
2	Zn 206.200†	1210.1	1300.0	374.231 ug/L	374.231 ug/L	08:31:02

Mean Data: 1205036-MS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	385265.5	94.8341	%	0.03377				0.04%
Y 360.076	274242.0	93.9819	%	0.08663				0.09%
Ag 328.068†	23133.7	386.035	ug/L	0.5183	386.035	ug/L	0.5183	0.13%
Al 396.153†	8258.9	1890.56	ug/L	6.172	1890.56	ug/L	6.172	0.33%
As 188.979†	623.7	1893.92	ug/L	3.453	1893.92	ug/L	3.453	0.18%
B 249.677†	7481.4	411.724	ug/L	2.8016	411.724	ug/L	2.8016	0.68%
Ba 455.398†	178059.9	521.733	ug/L	3.8729	521.733	ug/L	3.8729	0.74%
Be 234.861†	5026.3	37.8828	ug/L	0.04553	37.8828	ug/L	0.04553	0.12%
Ca 315.887†	85628.0	53.7351	mg/L	0.38504	53.7351	mg/L	0.38504	0.72%
Cd 214.437†	4050.6	376.813	ug/L	1.1767	376.813	ug/L	1.1767	0.31%
Ce 413.764†	151.0	3.10226	ug/L	0.570246	3.10226	ug/L	0.570246	18.38%
Co 228.616†	1534.2	379.281	ug/L	0.3179	379.281	ug/L	0.3179	0.08%
Cr 205.557†	1849.5	388.321	ug/L	1.1365	388.321	ug/L	1.1365	0.29%
Cu 327.397†	13650.3	400.948	ug/L	0.5950	400.948	ug/L	0.5950	0.15%
Fe 238.204†	1052.1	387.948	ug/L	1.1790	387.948	ug/L	1.1790	0.30%
K 766.490	31896.0	20.7475	mg/L	0.14372	20.7475	mg/L	0.14372	0.69%
Li 670.784†	23814.3	406.634	ug/L	4.2205	406.634	ug/L	4.2205	1.04%
Mg 279.071†	13828.0	24.4329	mg/L	0.02108	24.4329	mg/L	0.02108	0.09%
Mn 257.610†	42150.5	378.328	ug/L	0.6099	378.328	ug/L	0.6099	0.16%
Mo 202.031†	1512.2	414.167	ug/L	0.9009	414.167	ug/L	0.9009	0.22%
Na 589.592†	321593.1	43.4142	mg/L	0.34169	43.4142	mg/L	0.34169	0.79%
Ni 231.604†	3368.3	377.792	ug/L	1.1878	377.792	ug/L	1.1878	0.31%
Pb 220.353†	416.3	385.298	ug/L	5.4056	385.298	ug/L	5.4056	1.40%
Sb 217.584†	1497.3	1936.79	ug/L	7.839	1936.79	ug/L	7.839	0.40%
Se 196.026†	609.8	1837.88	ug/L	26.660	1837.88	ug/L	26.660	1.45%
Si 251.611†	139677.5	14582.9	ug/L	25.62	14582.9	ug/L	25.62	0.18%
Sn 189.927†	1753.8	1911.77	ug/L	4.659	1911.77	ug/L	4.659	0.24%
Sr 407.771†	589882.7	624.352	ug/L	4.8605	624.352	ug/L	4.8605	0.78%
Ti 334.940†	8878.3	396.269	ug/L	0.9002	396.269	ug/L	0.9002	0.23%
Tl 190.801†	771.6	1951.83	ug/L	9.588	1951.83	ug/L	9.588	0.49%
V 292.395†	16298.8	398.598	ug/L	1.4257	398.598	ug/L	1.4257	0.36%
Zn 206.200†	1303.2	375.150	ug/L	1.2984	375.150	ug/L	1.2984	0.35%

Sequence No.: 19
Sample ID: 1205036-MSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 4/25/2012 8:32:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205036-MSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	390120.0	390120.0	96.0290	%			08:33:23
1	Al 396.153†	7650.2	8020.3	1835.58	ug/L	1835.58	ug/L	08:33:23
1	Ba 455.398†	166347.2	172862.3	506.559	ug/L	506.559	ug/L	08:33:23
1	Ca 315.887†	79500.8	82779.2	51.9476	mg/L	51.9476	mg/L	08:33:23
1	Fe 238.204†	1026.8	1040.5	383.715	ug/L	383.715	ug/L	08:33:43
1	K 766.490	30980.3	31260.0	20.3337	mg/L	20.3337	mg/L	08:33:23
1	Li 670.784†	22075.0	23116.3	394.757	ug/L	394.757	ug/L	08:33:23
1	Mg 279.071†	12991.1	13472.9	23.8061	mg/L	23.8061	mg/L	08:33:43
1	Na 589.592†	297859.7	309664.6	41.8046	mg/L	41.8046	mg/L	08:33:23
1	Sr 407.771†	548254.1	570255.3	603.653	ug/L	603.653	ug/L	08:33:23
1	Ti 334.940†	8326.9	8677.7	387.375	ug/L	387.375	ug/L	08:33:43
1	Y 360.076	279445.9	279445.9	95.7653	%			08:34:15
1	Ag 328.068†	21807.9	22719.8	379.164	ug/L	379.164	ug/L	08:34:15
1	As 188.979†	577.0	617.1	1873.72	ug/L	1873.72	ug/L	08:34:35
1	B 249.677†	8043.5	7259.4	399.487	ug/L	399.487	ug/L	08:34:15
1	Be 234.861†	4264.0	4904.4	36.9669	ug/L	36.9669	ug/L	08:34:35
1	Cd 214.437†	3953.6	3921.7	364.857	ug/L	364.857	ug/L	08:34:35
1	Ce 413.764†	1818.2	149.3	3.08820	ug/L	3.08820	ug/L	08:34:15
1	Co 228.616†	1402.8	1491.3	368.713	ug/L	368.713	ug/L	08:34:35
1	Cr 205.557†	1701.2	1784.3	374.675	ug/L	374.675	ug/L	08:34:35
1	Cu 327.397†	12948.4	13298.8	390.711	ug/L	390.711	ug/L	08:34:15
1	Mn 257.610†	39811.7	41345.0	371.128	ug/L	371.128	ug/L	08:34:15
1	Mo 202.031†	1430.8	1459.8	399.868	ug/L	399.868	ug/L	08:34:35
1	Ni 231.604†	3172.2	3271.2	366.918	ug/L	366.918	ug/L	08:34:35
1	Pb 220.353†	398.0	401.7	371.722	ug/L	371.722	ug/L	08:34:35
1	Sb 217.584†	1365.6	1453.7	1880.54	ug/L	1880.54	ug/L	08:34:35
1	Se 196.026†	583.6	597.7	1801.80	ug/L	1801.80	ug/L	08:34:35
1	Si 251.611†	132802.1	138515.8	14461.8	ug/L	14461.8	ug/L	08:34:15
1	Sn 189.927†	1601.6	1687.8	1840.02	ug/L	1840.02	ug/L	08:34:35
1	Tl 190.801†	702.9	745.1	1885.70	ug/L	1885.70	ug/L	08:34:35
1	V 292.395†	14836.2	16021.5	391.712	ug/L	391.712	ug/L	08:34:15
1	Zn 206.200†	1213.4	1280.4	368.586	ug/L	368.586	ug/L	08:34:35
2	Sc 357.234	391715.8	391715.8	96.4218	%			08:33:48
2	Al 396.153†	7761.7	8103.5	1854.70	ug/L	1854.70	ug/L	08:33:48
2	Ba 455.398†	167978.0	173847.9	509.436	ug/L	509.436	ug/L	08:33:48
2	Ca 315.887†	80357.8	83330.7	52.2937	mg/L	52.2937	mg/L	08:33:48
2	Fe 238.204†	1033.3	1043.0	384.618	ug/L	384.618	ug/L	08:34:08
2	K 766.490	31227.7	31507.4	20.4946	mg/L	20.4946	mg/L	08:33:48
2	Li 670.784†	22351.5	23309.4	398.042	ug/L	398.042	ug/L	08:33:48
2	Mg 279.071†	13126.0	13557.7	23.9558	mg/L	23.9558	mg/L	08:34:08
2	Na 589.592†	300662.2	311307.5	42.0263	mg/L	42.0263	mg/L	08:33:48
2	Sr 407.771†	554556.7	574465.9	608.097	ug/L	608.097	ug/L	08:33:48
2	Ti 334.940†	8421.7	8740.7	390.168	ug/L	390.168	ug/L	08:34:08
2	Y 360.076	278132.5	278132.5	95.3152	%			08:34:40
2	Ag 328.068†	21783.1	22801.3	380.518	ug/L	380.518	ug/L	08:34:40
2	As 188.979†	575.6	618.4	1877.83	ug/L	1877.83	ug/L	08:35:00
2	B 249.677†	8075.2	7332.3	403.515	ug/L	403.515	ug/L	08:34:40
2	Be 234.861†	4293.3	4956.2	37.3559	ug/L	37.3559	ug/L	08:35:00
2	Cd 214.437†	3979.2	3968.0	369.155	ug/L	369.155	ug/L	08:35:00
2	Ce 413.764†	1791.2	130.0	2.56260	ug/L	2.56260	ug/L	08:34:40
2	Co 228.616†	1395.9	1491.0	368.645	ug/L	368.645	ug/L	08:35:00
2	Cr 205.557†	1701.3	1792.8	376.450	ug/L	376.450	ug/L	08:35:00
2	Cu 327.397†	12917.9	13330.6	391.639	ug/L	391.639	ug/L	08:34:40
2	Mn 257.610†	39713.8	41438.6	371.965	ug/L	371.965	ug/L	08:34:40
2	Mo 202.031†	1424.7	1460.4	400.041	ug/L	400.041	ug/L	08:35:00
2	Ni 231.604†	3190.0	3305.6	370.761	ug/L	370.761	ug/L	08:35:00
2	Pb 220.353†	399.8	405.6	375.300	ug/L	375.300	ug/L	08:35:00
2	Sb 217.584†	1368.0	1463.0	1892.52	ug/L	1892.52	ug/L	08:35:00
2	Se 196.026†	584.0	601.1	1811.80	ug/L	1811.80	ug/L	08:35:00
2	Si 251.611†	132291.4	138634.8	14474.2	ug/L	14474.2	ug/L	08:34:40
2	Sn 189.927†	1615.6	1710.5	1864.66	ug/L	1864.66	ug/L	08:35:00
2	Tl 190.801†	709.2	755.2	1910.92	ug/L	1910.92	ug/L	08:35:00
2	V 292.395†	14751.6	16005.9	391.342	ug/L	391.342	ug/L	08:34:40
2	Zn 206.200†	1213.0	1285.9	370.169	ug/L	370.169	ug/L	08:35:00

Mean Data: 1205036-MSD1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	390917.9	96.2254	%	0.27776				0.29%
Y 360.076	278789.2	95.5402	%	0.31828				0.33%
Ag 328.068†	22760.6	379.841	ug/L	0.9572	379.841	ug/L	0.9572	0.25%
Al 396.153†	8061.9	1845.14	ug/L	13.515	1845.14	ug/L	13.515	0.73%
As 188.979†	617.7	1875.78	ug/L	2.903	1875.78	ug/L	2.903	0.15%
B 249.677†	7295.8	401.501	ug/L	2.8484	401.501	ug/L	2.8484	0.71%
Ba 455.398†	173355.1	507.997	ug/L	2.0345	507.997	ug/L	2.0345	0.40%
Be 234.861†	4930.3	37.1614	ug/L	0.27510	37.1614	ug/L	0.27510	0.74%
Ca 315.887†	83055.0	52.1207	mg/L	0.24471	52.1207	mg/L	0.24471	0.47%
Cd 214.437†	3944.8	367.006	ug/L	3.0395	367.006	ug/L	3.0395	0.83%
Ce 413.764†	139.7	2.82540	ug/L	0.371657	2.82540	ug/L	0.371657	13.15%
Co 228.616†	1491.2	368.679	ug/L	0.0477	368.679	ug/L	0.0477	0.01%
Cr 205.557†	1788.6	375.562	ug/L	1.2548	375.562	ug/L	1.2548	0.33%
Cu 327.397†	13314.7	391.175	ug/L	0.6562	391.175	ug/L	0.6562	0.17%
Fe 238.204†	1041.8	384.167	ug/L	0.6385	384.167	ug/L	0.6385	0.17%
K 766.490	31383.7	20.4142	mg/L	0.11380	20.4142	mg/L	0.11380	0.56%
Li 670.784†	23212.9	396.399	ug/L	2.3229	396.399	ug/L	2.3229	0.59%
Mg 279.071†	13515.3	23.8810	mg/L	0.10583	23.8810	mg/L	0.10583	0.44%
Mn 257.610†	41391.8	371.546	ug/L	0.5917	371.546	ug/L	0.5917	0.16%
Mo 202.031†	1460.1	399.955	ug/L	0.1224	399.955	ug/L	0.1224	0.03%
Na 589.592†	310486.0	41.9155	mg/L	0.15675	41.9155	mg/L	0.15675	0.37%
Ni 231.604†	3288.4	368.840	ug/L	2.7174	368.840	ug/L	2.7174	0.74%
Pb 220.353†	403.6	373.511	ug/L	2.5300	373.511	ug/L	2.5300	0.68%
Sb 217.584†	1458.3	1886.53	ug/L	8.472	1886.53	ug/L	8.472	0.45%
Se 196.026†	599.4	1806.80	ug/L	7.073	1806.80	ug/L	7.073	0.39%
Si 251.611†	138575.3	14468.0	ug/L	8.73	14468.0	ug/L	8.73	0.06%
Sn 189.927†	1699.1	1852.34	ug/L	17.422	1852.34	ug/L	17.422	0.94%
Sr 407.771†	572360.6	605.875	ug/L	3.1424	605.875	ug/L	3.1424	0.52%
Ti 334.940†	8709.2	388.771	ug/L	1.9748	388.771	ug/L	1.9748	0.51%
Tl 190.801†	750.2	1898.31	ug/L	17.835	1898.31	ug/L	17.835	0.94%
V 292.395†	16013.7	391.527	ug/L	0.2619	391.527	ug/L	0.2619	0.07%
Zn 206.200†	1283.1	369.378	ug/L	1.1200	369.378	ug/L	1.1200	0.30%

Sequence No.: 20
Sample ID: 2D25001-SRD1
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 22
Date Collected: 4/25/2012 8:36:13 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-SRD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	402530.5	402530.5	99.0839	%			08:37:19
1	Al 396.153†	-42.4	10.9	-4.12233	ug/L	-20.6117	ug/L	08:37:24
1	Ba 455.398†	8992.8	8712.3	27.3286	ug/L	136.643	ug/L	08:37:24
1	Ca 315.887†	10792.4	10883.1	6.83585	mg/L	34.1792	mg/L	08:37:24
1	Fe 238.204†	31.4	3.0	3.37168	ug/L	16.8584	ug/L	08:37:44
1	K 766.490	427.9	707.6	0.455095	mg/L	2.27548	mg/L	08:37:24
1	Li 670.784†	60.7	189.7	4.62943	ug/L	23.1472	ug/L	08:37:24
1	Mg 279.071†	609.5	559.7	1.01060	mg/L	5.05301	mg/L	08:37:44
1	Na 589.592†	33899.6	33700.9	4.56721	mg/L	22.8361	mg/L	08:37:24
1	Sr 407.771†	43611.5	43344.7	47.7008	ug/L	238.504	ug/L	08:37:24
1	Ti 334.940†	-0.8	5.7	2.74671	ug/L	13.7335	ug/L	08:37:44
1	Y 360.076	288325.7	288325.7	98.8083	%			08:38:20
1	Ag 328.068†	59.9	8.2	2.04107	ug/L	10.2053	ug/L	08:38:20
1	As 188.979†	-12.0	2.4	7.69296	ug/L	38.4648	ug/L	08:38:40
1	B 249.677†	1081.7	-45.1	-2.87195	ug/L	-14.3597	ug/L	08:38:40
1	Be 234.861†	-444.5	2.0	0.204181	ug/L	1.02091	ug/L	08:38:40
1	Cd 214.437†	212.3	8.1	1.79869	ug/L	8.99346	ug/L	08:38:40
1	Ce 413.764†	1736.4	8.0	0.0980588	ug/L	0.490294	ug/L	08:38:20
1	Co 228.616†	-26.7	-0.5	1.39321	ug/L	6.96603	ug/L	08:38:40
1	Cr 205.557†	-1.9	6.0	1.89731	ug/L	9.48653	ug/L	08:38:40
1	Cu 327.397†	387.7	170.2	8.21479	ug/L	41.0740	ug/L	08:38:20
1	Mn 257.610†	245.9	21.7	1.72319	ug/L	8.61595	ug/L	08:38:40
1	Mo 202.031†	49.4	15.7	5.57353	ug/L	27.8676	ug/L	08:38:40
1	Ni 231.604†	52.1	11.5	2.01727	ug/L	10.0864	ug/L	08:38:40

1	Pb 220.353†	15.8	2.1	0.921837 ug/L	4.60919 ug/L	08:38:40
1	Sb 217.584†	-30.0	-2.6	0.123357 ug/L	0.616786 ug/L	08:38:40
1	Se 196.026†	3.2	-8.4	-9.25054 ug/L	-46.2527 ug/L	08:38:40
1	Si 251.611†	23918.3	24048.0	2511.19 ug/L	12556.0 ug/L	08:38:20
1	Sn 189.927†	-3.0	12.4	18.1011 ug/L	90.5056 ug/L	08:38:40
1	Tl 190.801†	-11.2	-0.2	26.8890 ug/L	134.445 ug/L	08:38:40
1	V 292.395†	-473.1	50.5	3.10054 ug/L	15.5027 ug/L	08:38:20
1	Zn 206.200†	-7.7	5.5	2.28172 ug/L	11.4086 ug/L	08:38:40
2	Sc 357.234	401390.7	401390.7	98.8033 %		08:37:49
2	Al 396.153†	-36.1	17.2	-2.66435 ug/L	-13.3217 ug/L	08:37:54
2	Ba 455.398†	9066.9	8813.1	27.6227 ug/L	138.113 ug/L	08:37:54
2	Ca 315.887†	10857.4	10979.8	6.89653 mg/L	34.4826 mg/L	08:37:54
2	Fe 238.204†	28.8	0.5	2.45692 ug/L	12.2846 ug/L	08:38:14
2	K 766.490	420.6	700.2	0.450314 mg/L	2.25157 mg/L	08:37:54
2	Li 670.784†	52.5	181.6	4.49148 ug/L	22.4574 ug/L	08:37:54
2	Mg 279.071†	617.7	569.7	1.02827 mg/L	5.14136 mg/L	08:38:14
2	Na 589.592†	34187.9	34089.8	4.61969 mg/L	23.0984 mg/L	08:37:54
2	Sr 407.771†	44163.2	44028.1	48.4216 ug/L	242.108 ug/L	08:37:54
2	Ti 334.940†	-6.0	0.5	2.51297 ug/L	12.5649 ug/L	08:38:14
2	Y 360.076	291458.5	291458.5	99.8819 %		08:38:45
2	Ag 328.068†	30.8	-21.6	1.54697 ug/L	7.73483 ug/L	08:38:45
2	As 188.979†	-9.4	5.1	15.9501 ug/L	79.7506 ug/L	08:39:05
2	B 249.677†	1055.1	-83.5	-4.99250 ug/L	-24.9625 ug/L	08:39:05
2	Be 234.861†	-449.9	1.5	0.200492 ug/L	1.00246 ug/L	08:39:05
2	Cd 214.437†	206.0	-0.6	0.995010 ug/L	4.97505 ug/L	08:39:05
2	Ce 413.764†	1705.7	-41.5	-1.23540 ug/L	-6.17700 ug/L	08:38:45
2	Co 228.616†	-30.6	-4.2	0.494741 ug/L	2.47371 ug/L	08:39:05
2	Cr 205.557†	-2.3	5.6	1.81426 ug/L	9.07129 ug/L	08:39:05
2	Cu 327.397†	369.2	147.5	7.55460 ug/L	37.7730 ug/L	08:38:45
2	Mn 257.610†	247.4	20.5	1.71251 ug/L	8.56256 ug/L	08:39:05
2	Mo 202.031†	50.8	16.6	5.81806 ug/L	29.0903 ug/L	08:39:05
2	Ni 231.604†	47.3	6.1	1.41496 ug/L	7.07482 ug/L	08:39:05
2	Pb 220.353†	17.6	3.7	2.39844 ug/L	11.9922 ug/L	08:39:05
2	Sb 217.584†	-33.4	-5.7	-3.91169 ug/L	-19.5585 ug/L	08:39:05
2	Se 196.026†	5.4	-6.3	-2.88655 ug/L	-14.4328 ug/L	08:39:05
2	Si 251.611†	24100.7	23970.4	2503.08 ug/L	12515.4 ug/L	08:38:45
2	Sn 189.927†	-11.2	4.2	9.19883 ug/L	45.9941 ug/L	08:39:05
2	Tl 190.801†	-11.1	-0.0	27.2759 ug/L	136.380 ug/L	08:39:05
2	V 292.395†	-451.2	77.5	3.75135 ug/L	18.7567 ug/L	08:38:45
2	Zn 206.200†	-5.7	7.6	2.87963 ug/L	14.3981 ug/L	08:39:05

Mean Data: 2D25001-SRD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	401960.6	98.9436	%	0.19839				0.20%
Y 360.076	289892.1	99.3451	%	0.75915				0.76%
Ag 328.068†	-6.7	1.79402	ug/L	0.349383	8.97009	ug/L	1.746913	19.47%
Al 396.153†	14.0	-3.39334	ug/L	1.030950	-16.9667	ug/L	5.15475	30.38%
As 188.979†	3.8	11.8215	ug/L	5.83869	59.1077	ug/L	29.19345	49.39%
B 249.677†	-64.3	-3.93222	ug/L	1.499456	-19.6611	ug/L	7.49728	38.13%
Ba 455.398†	8762.7	27.4756	ug/L	0.20796	137.378	ug/L	1.0398	0.76%
Be 234.861†	1.7	0.202337	ug/L	0.0026085	1.01168	ug/L	0.013043	1.29%
Ca 315.887†	10931.4	6.86619	mg/L	0.042907	34.3309	mg/L	0.21453	0.62%
Cd 214.437†	3.8	1.39685	ug/L	0.568289	6.98426	ug/L	2.841444	40.68%
Ce 413.764†	-16.7	-0.568671	ug/L	0.9428977	-2.84335	ug/L	4.714488	165.81%
Co 228.616†	-2.3	0.943974	ug/L	0.6353109	4.71987	ug/L	3.176554	67.30%
Cr 205.557†	5.8	1.85578	ug/L	0.058724	9.27891	ug/L	0.293621	3.16%
Cu 327.397†	158.8	7.88469	ug/L	0.466829	39.4235	ug/L	2.33415	5.92%
Fe 238.204†	1.7	2.91430	ug/L	0.646835	14.5715	ug/L	3.23417	22.20%
K 766.490	703.9	0.452705	mg/L	0.0033806	2.26352	mg/L	0.016903	0.75%
Li 670.784†	185.6	4.56046	ug/L	0.097544	22.8023	ug/L	0.48772	2.14%
Mg 279.071†	564.7	1.01944	mg/L	0.012495	5.09718	mg/L	0.062476	1.23%
Mn 257.610†	21.1	1.71785	ug/L	0.007550	8.58925	ug/L	0.037752	0.44%
Mo 202.031†	16.1	5.69580	ug/L	0.172910	28.4790	ug/L	0.86455	3.04%
Na 589.592†	33895.3	4.59345	mg/L	0.037107	22.9673	mg/L	0.18554	0.81%
Ni 231.604†	8.8	1.71612	ug/L	0.425898	8.58060	ug/L	2.129491	24.82%
Pb 220.353†	2.9	1.66014	ug/L	1.044113	8.30068	ug/L	5.220565	62.89%
Sb 217.584†	-4.1	-1.89417	ug/L	2.853212	-9.47084	ug/L	14.266059	150.63%
Se 196.026†	-7.4	-6.06855	ug/L	4.500023	-30.3427	ug/L	22.50012	74.15%
Si 251.611†	24009.2	2507.14	ug/L	5.734	12535.7	ug/L	28.67	0.23%

Sn 189.927†	8.3	13.6500 ug/L	6.29487	68.2499 ug/L	31.47433	46.12%
Sr 407.771†	43686.4	48.0612 ug/L	0.50968	240.306 ug/L	2.5484	1.06%
Ti 334.940†	3.1	2.62984 ug/L	0.165275	13.1492 ug/L	0.82637	6.28%
Tl 190.801†	-0.1	27.0825 ug/L	0.27360	135.412 ug/L	1.3680	1.01%
V 292.395†	64.0	3.42595 ug/L	0.460190	17.1297 ug/L	2.30095	13.43%
Zn 206.200†	6.5	2.58067 ug/L	0.422784	12.9034 ug/L	2.11392	16.38%

Sequence No.: 21
Sample ID: 1205036-PS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 4/25/2012 8:40:21 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205036-PS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	392320.5	392320.5	96.5707	%			08:41:27
1	Al 396.153†	5305.1	5547.1	1271.51	ug/L	1271.51	ug/L	08:41:47
1	Ba 455.398†	128373.5	132568.5	388.922	ug/L	388.922	ug/L	08:41:27
1	Ca 315.887†	71872.3	74415.4	46.6997	mg/L	46.6997	mg/L	08:41:27
1	Fe 238.204†	722.3	719.3	265.950	ug/L	265.950	ug/L	08:41:47
1	K 766.490	22418.7	22698.3	14.7631	mg/L	14.7631	mg/L	08:41:27
1	Li 670.784†	15462.3	16139.8	276.042	ug/L	276.042	ug/L	08:41:27
1	Mg 279.071†	9849.3	10143.6	17.9290	mg/L	17.9290	mg/L	08:41:47
1	Na 589.592†	258190.1	266846.6	36.0270	mg/L	36.0270	mg/L	08:41:27
1	Sr 407.771†	446656.3	461847.5	488.877	ug/L	488.877	ug/L	08:41:27
1	Ti 334.940†	5666.3	5874.1	263.024	ug/L	263.024	ug/L	08:41:47
1	Y 360.076	284496.8	284496.8	97.4962	%			08:42:19
1	Ag 328.068†	14823.6	15151.9	253.507	ug/L	253.507	ug/L	08:42:19
1	As 188.979†	406.4	431.4	1310.09	ug/L	1310.09	ug/L	08:42:39
1	B 249.677†	6183.5	5202.5	286.248	ug/L	286.248	ug/L	08:42:19
1	Be 234.861†	2873.6	3399.2	25.6796	ug/L	25.6796	ug/L	08:42:39
1	Cd 214.437†	2853.6	2720.1	253.391	ug/L	253.391	ug/L	08:42:39
1	Ce 413.764†	1770.6	66.8	0.970809	ug/L	0.970809	ug/L	08:42:19
1	Co 228.616†	955.3	1006.3	249.310	ug/L	249.310	ug/L	08:42:39
1	Cr 205.557†	1183.6	1221.9	256.636	ug/L	256.636	ug/L	08:42:39
1	Cu 327.397†	8996.3	9005.1	265.619	ug/L	265.619	ug/L	08:42:19
1	Mn 257.610†	27775.5	28261.6	254.170	ug/L	254.170	ug/L	08:42:19
1	Mo 202.031†	1003.3	994.8	272.917	ug/L	272.917	ug/L	08:42:39
1	Ni 231.604†	2210.1	2225.7	249.876	ug/L	249.876	ug/L	08:42:39
1	Pb 220.353†	285.6	279.0	257.827	ug/L	257.827	ug/L	08:42:39
1	Sb 217.584†	916.1	967.4	1252.60	ug/L	1252.60	ug/L	08:42:39
1	Se 196.026†	421.8	421.0	1273.70	ug/L	1273.70	ug/L	08:42:39
1	Si 251.611†	131449.7	134666.6	14064.1	ug/L	14064.1	ug/L	08:42:19
1	Sn 189.927†	1112.7	1156.7	1262.45	ug/L	1262.45	ug/L	08:42:39
1	Tl 190.801†	497.8	521.7	1328.42	ug/L	1328.42	ug/L	08:42:39
1	V 292.395†	10192.1	10983.1	269.069	ug/L	269.069	ug/L	08:42:19
1	Zn 206.200†	860.3	895.6	258.045	ug/L	258.045	ug/L	08:42:39
2	Sc 357.234	398604.3	398604.3	98.1175	%			08:41:52
2	Al 396.153†	5303.6	5459.1	1251.32	ug/L	1251.32	ug/L	08:42:12
2	Ba 455.398†	129555.8	131677.9	386.322	ug/L	386.322	ug/L	08:41:52
2	Ca 315.887†	72786.3	74173.6	46.5480	mg/L	46.5480	mg/L	08:41:52
2	Fe 238.204†	715.5	700.6	259.100	ug/L	259.100	ug/L	08:42:12
2	K 766.490	22599.9	22879.5	14.8810	mg/L	14.8810	mg/L	08:41:52
2	Li 670.784†	15552.4	15979.2	273.309	ug/L	273.309	ug/L	08:41:52
2	Mg 279.071†	9869.5	10003.5	17.6816	mg/L	17.6816	mg/L	08:42:12
2	Na 589.592†	259844.6	264318.0	35.6858	mg/L	35.6858	mg/L	08:41:52
2	Sr 407.771†	451081.0	459065.7	485.933	ug/L	485.933	ug/L	08:41:52
2	Ti 334.940†	5661.8	5776.9	258.716	ug/L	258.716	ug/L	08:42:12
2	Y 360.076	282445.7	282445.7	96.7933	%			08:42:44
2	Ag 328.068†	14689.5	15123.8	253.037	ug/L	253.037	ug/L	08:42:44
2	As 188.979†	394.2	421.8	1281.01	ug/L	1281.01	ug/L	08:43:04
2	B 249.677†	6124.3	5187.4	285.408	ug/L	285.408	ug/L	08:42:44
2	Be 234.861†	2842.4	3388.5	25.6012	ug/L	25.6012	ug/L	08:43:04
2	Cd 214.437†	2848.0	2735.5	254.822	ug/L	254.822	ug/L	08:43:04
2	Ce 413.764†	1718.5	26.2	-0.117996	ug/L	-0.117996	ug/L	08:42:44
2	Co 228.616†	955.3	1013.4	251.056	ug/L	251.056	ug/L	08:43:04
2	Cr 205.557†	1187.1	1234.3	259.237	ug/L	259.237	ug/L	08:43:04
2	Cu 327.397†	8929.3	9003.0	265.551	ug/L	265.551	ug/L	08:42:44

2	Mn 257.610†	27593.0	28280.0	254.335 ug/L	254.335 ug/L	08:42:44
2	Mo 202.031†	1008.8	1007.9	276.496 ug/L	276.496 ug/L	08:43:04
2	Ni 231.604†	2218.5	2250.7	252.685 ug/L	252.685 ug/L	08:43:04
2	Pb 220.353†	274.2	269.4	248.986 ug/L	248.986 ug/L	08:43:04
2	Sb 217.584†	911.6	969.5	1255.38 ug/L	1255.38 ug/L	08:43:04
2	Se 196.026†	408.0	409.8	1240.51 ug/L	1240.51 ug/L	08:43:04
2	Si 251.611†	130669.9	134840.1	14082.4 ug/L	14082.4 ug/L	08:42:44
2	Sn 189.927†	1108.6	1160.8	1266.93 ug/L	1266.93 ug/L	08:43:04
2	Tl 190.801†	494.3	521.8	1328.65 ug/L	1328.65 ug/L	08:43:04
2	V 292.395†	10052.9	10915.2	267.518 ug/L	267.518 ug/L	08:42:44
2	Zn 206.200†	861.6	903.5	260.296 ug/L	260.296 ug/L	08:43:04

Mean Data: 1205036-PS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	395462.4	97.3441	%	1.09375				1.12%
Y 360.076	283471.3	97.1447	%	0.49703				0.51%
Ag 328.068†	15137.8	253.272	ug/L	0.3324	253.272	ug/L	0.3324	0.13%
Al 396.153†	5503.1	1261.41	ug/L	14.282	1261.41	ug/L	14.282	1.13%
As 188.979†	426.6	1295.55	ug/L	20.560	1295.55	ug/L	20.560	1.59%
B 249.677†	5194.9	285.828	ug/L	0.5940	285.828	ug/L	0.5940	0.21%
Ba 455.398†	132123.2	387.622	ug/L	1.8387	387.622	ug/L	1.8387	0.47%
Be 234.861†	3393.8	25.6404	ug/L	0.05544	25.6404	ug/L	0.05544	0.22%
Ca 315.887†	74294.5	46.6239	mg/L	0.10729	46.6239	mg/L	0.10729	0.23%
Cd 214.437†	2727.8	254.106	ug/L	1.0119	254.106	ug/L	1.0119	0.40%
Ce 413.764†	46.5	0.426407	ug/L	0.7699014	0.426407	ug/L	0.7699014	180.56%
Co 228.616†	1009.9	250.183	ug/L	1.2344	250.183	ug/L	1.2344	0.49%
Cr 205.557†	1228.1	257.937	ug/L	1.8394	257.937	ug/L	1.8394	0.71%
Cu 327.397†	9004.0	265.585	ug/L	0.0475	265.585	ug/L	0.0475	0.02%
Fe 238.204†	709.9	262.525	ug/L	4.8433	262.525	ug/L	4.8433	1.84%
K 766.490	22788.9	14.8221	mg/L	0.08335	14.8221	mg/L	0.08335	0.56%
Li 670.784†	16059.5	274.676	ug/L	1.9324	274.676	ug/L	1.9324	0.70%
Mg 279.071†	10073.5	17.8053	mg/L	0.17497	17.8053	mg/L	0.17497	0.98%
Mn 257.610†	28270.8	254.253	ug/L	0.1164	254.253	ug/L	0.1164	0.05%
Mo 202.031†	1001.4	274.706	ug/L	2.5306	274.706	ug/L	2.5306	0.92%
Na 589.592†	265582.3	35.8564	mg/L	0.24127	35.8564	mg/L	0.24127	0.67%
Ni 231.604†	2238.2	251.281	ug/L	1.9860	251.281	ug/L	1.9860	0.79%
Pb 220.353†	274.2	253.407	ug/L	6.2516	253.407	ug/L	6.2516	2.47%
Sb 217.584†	968.5	1253.99	ug/L	1.965	1253.99	ug/L	1.965	0.16%
Se 196.026†	415.4	1257.11	ug/L	23.471	1257.11	ug/L	23.471	1.87%
Si 251.611†	134753.4	14073.3	ug/L	12.90	14073.3	ug/L	12.90	0.09%
Sn 189.927†	1158.7	1264.69	ug/L	3.163	1264.69	ug/L	3.163	0.25%
Sr 407.771†	460456.6	487.405	ug/L	2.0815	487.405	ug/L	2.0815	0.43%
Ti 334.940†	5825.5	260.870	ug/L	3.0466	260.870	ug/L	3.0466	1.17%
Tl 190.801†	521.7	1328.53	ug/L	0.163	1328.53	ug/L	0.163	0.01%
V 292.395†	10949.1	268.293	ug/L	1.0965	268.293	ug/L	1.0965	0.41%
Zn 206.200†	899.5	259.170	ug/L	1.5919	259.170	ug/L	1.5919	0.61%

Sequence No.: 22
Sample ID: 1205037-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 4/25/2012 8:44:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205037-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	391030.4	391030.4	96.2531	%			08:45:24
1	Al 396.153†	-38.5	13.7	-6.44488	ug/L	-6.44488	ug/L	08:45:29
1	Ba 455.398†	374.0	24.9	1.96609	ug/L	1.96609	ug/L	08:45:29
1	Ca 315.887†	54.9	47.9	0.0372071	mg/L	0.0372071	mg/L	08:45:49
1	Fe 238.204†	35.7	8.4	5.37364	ug/L	5.37364	ug/L	08:45:49
1	K 766.490	-218.1	61.5	0.0347494	mg/L	0.0347494	mg/L	08:45:29
1	Li 670.784†	-113.8	10.2	1.57525	ug/L	1.57525	ug/L	08:45:29
1	Mg 279.071†	50.2	-3.3	0.0166233	mg/L	0.0166233	mg/L	08:45:49
1	Na 589.592†	578.8	89.2	0.0317880	mg/L	0.0317880	mg/L	08:45:29
1	Sr 407.771†	724.2	82.4	2.35582	ug/L	2.35582	ug/L	08:45:29
1	Ti 334.940†	2.1	8.7	2.87718	ug/L	2.87718	ug/L	08:45:49

1	Y 360.076	282067.8	282067.8	96.6638 %			08:46:25
1	Ag 328.068†	75.8	26.0	2.33604 ug/L	2.33604 ug/L		08:46:25
1	As 188.979†	-13.3	0.8	2.76839 ug/L	2.76839 ug/L		08:46:45
1	B 249.677†	853.0	-257.4	-14.6135 ug/L	-14.6135 ug/L		08:46:45
1	Be 234.861†	-474.7	-39.2	-0.106785 ug/L	-0.106785 ug/L		08:46:45
1	Cd 214.437†	210.5	11.1	2.07126 ug/L	2.07126 ug/L		08:46:45
1	Ce 413.764†	1704.1	13.6	0.364996 ug/L	0.364996 ug/L		08:46:25
1	Co 228.616†	-21.3	4.4	2.61905 ug/L	2.61905 ug/L		08:46:45
1	Cr 205.557†	-4.0	3.7	1.51478 ug/L	1.51478 ug/L		08:46:45
1	Cu 327.397†	353.1	143.1	7.42753 ug/L	7.42753 ug/L		08:46:25
1	Mn 257.610†	257.9	39.6	1.88322 ug/L	1.88322 ug/L		08:46:45
1	Mo 202.031†	27.4	-6.0	-0.337880 ug/L	-0.337880 ug/L		08:46:45
1	Ni 231.604†	83.6	45.3	5.77835 ug/L	5.77835 ug/L		08:46:45
1	Pb 220.353†	20.4	7.2	5.59717 ug/L	5.59717 ug/L		08:46:45
1	Sb 217.584†	-23.8	3.2	7.52008 ug/L	7.52008 ug/L		08:46:45
1	Se 196.026†	8.0	-3.4	5.78804 ug/L	5.78804 ug/L		08:46:45
1	Si 251.611†	558.5	419.0	41.3453 ug/L	41.3453 ug/L		08:46:45
1	Sn 189.927†	-14.0	1.0	5.72083 ug/L	5.72083 ug/L		08:46:45
1	Tl 190.801†	-14.2	-3.6	18.2925 ug/L	18.2925 ug/L		08:46:45
1	V 292.395†	-479.8	32.9	2.56699 ug/L	2.56699 ug/L		08:46:25
1	Zn 206.200†	46.9	61.8	18.4678 ug/L	18.4678 ug/L		08:46:45
2	Sc 357.234	394519.1	394519.1	97.1119 %			08:45:54
2	Al 396.153†	-41.0	11.4	-7.01056 ug/L	-7.01056 ug/L		08:45:59
2	Ba 455.398†	354.2	1.2	1.89670 ug/L	1.89670 ug/L		08:45:59
2	Ca 315.887†	48.4	40.7	0.0327169 mg/L	0.0327169 mg/L		08:46:19
2	Fe 238.204†	37.7	10.2	6.00959 ug/L	6.00959 ug/L		08:46:19
2	K 766.490	-238.4	41.2	0.0215346 mg/L	0.0215346 mg/L		08:45:59
2	Li 670.784†	-153.5	-29.6	0.897846 ug/L	0.897846 ug/L		08:45:59
2	Mg 279.071†	61.1	7.5	0.0357825 mg/L	0.0357825 mg/L		08:46:19
2	Na 589.592†	554.8	59.1	0.0277256 mg/L	0.0277256 mg/L		08:45:59
2	Sr 407.771†	692.9	43.5	2.31492 ug/L	2.31492 ug/L		08:45:59
2	Ti 334.940†	-2.5	3.9	2.66689 ug/L	2.66689 ug/L		08:46:19
2	Y 360.076	281675.1	281675.1	96.5292 %			08:46:50
2	Ag 328.068†	50.7	0.1	1.90700 ug/L	1.90700 ug/L		08:46:50
2	As 188.979†	-16.5	-2.6	-7.54188 ug/L	-7.54188 ug/L		08:47:10
2	B 249.677†	833.6	-276.2	-15.6491 ug/L	-15.6491 ug/L		08:47:10
2	Be 234.861†	-462.9	-27.7	-0.0202864 ug/L	-0.0202864 ug/L		08:47:10
2	Cd 214.437†	215.4	16.3	2.56160 ug/L	2.56160 ug/L		08:47:10
2	Ce 413.764†	1718.2	30.7	0.824986 ug/L	0.824986 ug/L		08:46:50
2	Co 228.616†	-25.9	-0.3	1.44027 ug/L	1.44027 ug/L		08:47:10
2	Cr 205.557†	-2.9	4.9	1.76510 ug/L	1.76510 ug/L		08:47:10
2	Cu 327.397†	340.3	130.4	7.05744 ug/L	7.05744 ug/L		08:46:50
2	Mn 257.610†	265.0	47.4	1.95271 ug/L	1.95271 ug/L		08:47:10
2	Mo 202.031†	38.0	5.1	2.68154 ug/L	2.68154 ug/L		08:47:10
2	Ni 231.604†	84.2	46.0	5.86397 ug/L	5.86397 ug/L		08:47:10
2	Pb 220.353†	18.7	5.5	4.03996 ug/L	4.03996 ug/L		08:47:10
2	Sb 217.584†	-27.6	-0.8	2.38688 ug/L	2.38688 ug/L		08:47:10
2	Se 196.026†	6.9	-4.5	2.44138 ug/L	2.44138 ug/L		08:47:10
2	Si 251.611†	521.8	381.8	37.4374 ug/L	37.4374 ug/L		08:47:10
2	Sn 189.927†	-13.8	1.1	5.83518 ug/L	5.83518 ug/L		08:47:10
2	Tl 190.801†	-13.8	-3.1	19.4909 ug/L	19.4909 ug/L		08:47:10
2	V 292.395†	-532.3	-22.2	1.30796 ug/L	1.30796 ug/L		08:46:50
2	Zn 206.200†	47.4	62.4	18.6553 ug/L	18.6553 ug/L		08:47:10

Mean Data: 1205037-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	392774.7	96.6825	%	0.60723				0.63%
Y 360.076	281871.5	96.5965	%	0.09516				0.10%
Ag 328.068†	13.1	2.12152	ug/L	0.303382	2.12152	ug/L	0.303382	14.30%
Al 396.153†	12.6	-6.72772	ug/L	0.399995	-6.72772	ug/L	0.399995	5.95%
As 188.979†	-0.9	-2.38674	ug/L	7.290462	-2.38674	ug/L	7.290462	305.46%
B 249.677†	-266.8	-15.1313	ug/L	0.73230	-15.1313	ug/L	0.73230	4.84%
Ba 455.398†	13.0	1.93139	ug/L	0.049066	1.93139	ug/L	0.049066	2.54%
Be 234.861†	-33.5	-0.0635356	ug/L	0.06116354	-0.0635356	ug/L	0.06116354	96.27%
Ca 315.887†	44.3	0.0349620	mg/L	0.00317504	0.0349620	mg/L	0.00317504	9.08%
Cd 214.437†	13.7	2.31643	ug/L	0.346728	2.31643	ug/L	0.346728	14.97%
Ce 413.764†	22.2	0.594991	ug/L	0.3252618	0.594991	ug/L	0.3252618	54.67%
Co 228.616†	2.1	2.02966	ug/L	0.833526	2.02966	ug/L	0.833526	41.07%
Cr 205.557†	4.3	1.63994	ug/L	0.177006	1.63994	ug/L	0.177006	10.79%

Cu 327.397†	136.7	7.24249 ug/L	0.261693	7.24249 ug/L	0.261693	3.61%
Fe 238.204†	9.3	5.69162 ug/L	0.449681	5.69162 ug/L	0.449681	7.90%
K 766.490	51.4	0.0281420 mg/L	0.00934429	0.0281420 mg/L	0.00934429	33.20%
Li 670.784†	-9.7	1.23655 ug/L	0.478995	1.23655 ug/L	0.478995	38.74%
Mg 279.071†	2.1	0.0262029 mg/L	0.01354764	0.0262029 mg/L	0.01354764	51.70%
Mn 257.610†	43.5	1.91796 ug/L	0.049141	1.91796 ug/L	0.049141	2.56%
Mo 202.031†	-0.4	1.17183 ug/L	2.135053	1.17183 ug/L	2.135053	182.20%
Na 589.592†	74.1	0.0297568 mg/L	0.00287254	0.0297568 mg/L	0.00287254	9.65%
Ni 231.604†	45.6	5.82116 ug/L	0.060541	5.82116 ug/L	0.060541	1.04%
Pb 220.353†	6.3	4.81857 ug/L	1.101113	4.81857 ug/L	1.101113	22.85%
Sb 217.584†	1.2	4.95348 ug/L	3.629720	4.95348 ug/L	3.629720	73.28%
Se 196.026†	-4.0	4.11471 ug/L	2.366446	4.11471 ug/L	2.366446	57.51%
Si 251.611†	400.4	39.3913 ug/L	2.76326	39.3913 ug/L	2.76326	7.01%
Sn 189.927†	1.0	5.77801 ug/L	0.080860	5.77801 ug/L	0.080860	1.40%
Sr 407.771†	62.9	2.33537 ug/L	0.028925	2.33537 ug/L	0.028925	1.24%
Ti 334.940†	6.3	2.77203 ug/L	0.148696	2.77203 ug/L	0.148696	5.36%
Tl 190.801†	-3.4	18.8917 ug/L	0.84742	18.8917 ug/L	0.84742	4.49%
V 292.395†	5.3	1.93747 ug/L	0.890271	1.93747 ug/L	0.890271	45.95%
Zn 206.200†	62.1	18.5615 ug/L	0.13253	18.5615 ug/L	0.13253	0.71%

Sequence No.: 23
Sample ID: 1205037-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 4/25/2012 8:48:27 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205037-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	385684.7	385684.7	94.9373	%			08:49:33
1	Al 396.153†	8106.3	8592.3	1951.03	ug/L	1951.03	ug/L	08:49:53
1	Ba 455.398†	129346.4	135880.5	398.591	ug/L	398.591	ug/L	08:49:33
1	Ca 315.887†	28768.7	30293.7	19.0152	mg/L	19.0152	mg/L	08:49:33
1	Fe 238.204†	1049.4	1076.6	396.941	ug/L	396.941	ug/L	08:49:53
1	K 766.490	28923.2	29202.8	18.9952	mg/L	18.9952	mg/L	08:49:33
1	Li 670.784†	22272.8	23589.0	402.799	ug/L	402.799	ug/L	08:49:33
1	Mg 279.071†	10685.3	11199.7	19.7932	mg/L	19.7932	mg/L	08:49:53
1	Na 589.592†	140715.7	147707.5	19.9508	mg/L	19.9508	mg/L	08:49:33
1	Sr 407.771†	354440.6	372671.9	396.742	ug/L	396.742	ug/L	08:49:33
1	Ti 334.940†	8572.6	9036.3	403.278	ug/L	403.278	ug/L	08:49:53
1	Y 360.076	280351.3	280351.3	96.0755	%			08:50:25
1	Ag 328.068†	22573.1	23442.8	391.172	ug/L	391.172	ug/L	08:50:25
1	As 188.979†	580.3	618.5	1878.13	ug/L	1878.13	ug/L	08:50:45
1	B 249.677†	7389.1	6551.1	360.262	ug/L	360.262	ug/L	08:50:25
1	Be 234.861†	4432.5	5065.4	38.1731	ug/L	38.1731	ug/L	08:50:45
1	Cd 214.437†	4139.2	4101.5	381.532	ug/L	381.532	ug/L	08:50:45
1	Ce 413.764†	1707.8	28.3	0.401853	ug/L	0.401853	ug/L	08:50:25
1	Co 228.616†	1484.3	1571.5	388.460	ug/L	388.460	ug/L	08:50:45
1	Cr 205.557†	1779.7	1860.3	391.116	ug/L	391.116	ug/L	08:50:45
1	Cu 327.397†	13301.1	13622.3	400.140	ug/L	400.140	ug/L	08:50:25
1	Mn 257.610†	41568.1	43038.9	386.270	ug/L	386.270	ug/L	08:50:25
1	Mo 202.031†	1456.8	1482.1	405.952	ug/L	405.952	ug/L	08:50:45
1	Ni 231.604†	3375.4	3472.0	389.361	ug/L	389.361	ug/L	08:50:45
1	Pb 220.353†	421.7	425.0	393.340	ug/L	393.340	ug/L	08:50:45
1	Sb 217.584†	1429.3	1515.4	1960.27	ug/L	1960.27	ug/L	08:50:45
1	Se 196.026†	601.1	614.0	1850.42	ug/L	1850.42	ug/L	08:50:45
1	Si 251.611†	18072.8	18652.3	1932.24	ug/L	1932.24	ug/L	08:50:25
1	Sn 189.927†	1684.1	1768.3	1927.57	ug/L	1927.57	ug/L	08:50:45
1	Tl 190.801†	725.7	766.5	1938.98	ug/L	1938.98	ug/L	08:50:45
1	V 292.395†	15158.4	16306.9	398.629	ug/L	398.629	ug/L	08:50:25
1	Zn 206.200†	1338.0	1405.9	404.671	ug/L	404.671	ug/L	08:50:45
2	Sc 357.234	388943.7	388943.7	95.7395	%			08:49:59
2	Al 396.153†	8165.5	8582.6	1948.79	ug/L	1948.79	ug/L	08:50:19
2	Ba 455.398†	130060.8	135485.1	397.437	ug/L	397.437	ug/L	08:49:59
2	Ca 315.887†	28944.7	30223.6	18.9712	mg/L	18.9712	mg/L	08:49:59
2	Fe 238.204†	1055.5	1073.8	395.893	ug/L	395.893	ug/L	08:50:19
2	K 766.490	29051.1	29330.8	19.0785	mg/L	19.0785	mg/L	08:49:59
2	Li 670.784†	22297.3	23418.0	399.890	ug/L	399.890	ug/L	08:49:59
2	Mg 279.071†	10741.0	11163.6	19.7295	mg/L	19.7295	mg/L	08:50:19

2	Na 589.592†	141229.8	147002.5	19.8557 mg/L	19.8557 mg/L	08:49:59
2	Sr 407.771†	356141.6	371320.3	395.309 ug/L	395.309 ug/L	08:49:59
2	Ti 334.940†	8614.1	9003.9	401.843 ug/L	401.843 ug/L	08:50:19
2	Y 360.076	278222.0	278222.0	95.3458 %		08:50:50
2	Ag 328.068†	22478.8	23523.6	392.511 ug/L	392.511 ug/L	08:50:50
2	As 188.979†	586.8	630.0	1912.92 ug/L	1912.92 ug/L	08:51:10
2	B 249.677†	7353.7	6572.8	361.456 ug/L	361.456 ug/L	08:50:50
2	Be 234.861†	4425.4	5093.3	38.3827 ug/L	38.3827 ug/L	08:51:10
2	Cd 214.437†	4133.0	4128.0	383.987 ug/L	383.987 ug/L	08:51:10
2	Ce 413.764†	1756.9	93.4	2.15246 ug/L	2.15246 ug/L	08:50:50
2	Co 228.616†	1480.9	1579.7	390.497 ug/L	390.497 ug/L	08:51:10
2	Cr 205.557†	1769.0	1863.3	391.744 ug/L	391.744 ug/L	08:51:10
2	Cu 327.397†	13273.4	13699.2	402.376 ug/L	402.376 ug/L	08:50:50
2	Mn 257.610†	41371.3	43163.6	387.385 ug/L	387.385 ug/L	08:50:50
2	Mo 202.031†	1445.5	1481.8	405.891 ug/L	405.891 ug/L	08:51:10
2	Ni 231.604†	3380.6	3504.3	392.974 ug/L	392.974 ug/L	08:51:10
2	Pb 220.353†	407.3	413.3	382.451 ug/L	382.451 ug/L	08:51:10
2	Sb 217.584†	1440.4	1538.5	1989.97 ug/L	1989.97 ug/L	08:51:10
2	Se 196.026†	600.1	617.7	1861.65 ug/L	1861.65 ug/L	08:51:10
2	Si 251.611†	17954.8	18672.5	1934.40 ug/L	1934.40 ug/L	08:50:50
2	Sn 189.927†	1689.9	1787.9	1948.82 ug/L	1948.82 ug/L	08:51:10
2	Tl 190.801†	730.0	776.7	1964.59 ug/L	1964.59 ug/L	08:51:10
2	V 292.395†	15121.4	16388.8	400.586 ug/L	400.586 ug/L	08:50:50
2	Zn 206.200†	1333.2	1411.6	406.305 ug/L	406.305 ug/L	08:51:10

Mean Data: 1205037-BS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	387314.2	95.3384	%	0.56724				0.59%
Y 360.076	279286.6	95.7107	%	0.51599				0.54%
Ag 328.068†	23483.2	391.842	ug/L	0.9473	391.842	ug/L	0.9473	0.24%
Al 396.153†	8587.4	1949.91	ug/L	1.580	1949.91	ug/L	1.580	0.08%
As 188.979†	624.3	1895.53	ug/L	24.606	1895.53	ug/L	24.606	1.30%
B 249.677†	6561.9	360.859	ug/L	0.8440	360.859	ug/L	0.8440	0.23%
Ba 455.398†	135682.8	398.014	ug/L	0.8160	398.014	ug/L	0.8160	0.21%
Be 234.861†	5079.3	38.2779	ug/L	0.14826	38.2779	ug/L	0.14826	0.39%
Ca 315.887†	30258.7	18.9932	mg/L	0.03110	18.9932	mg/L	0.03110	0.16%
Cd 214.437†	4114.7	382.759	ug/L	1.7357	382.759	ug/L	1.7357	0.45%
Ce 413.764†	60.8	1.27716	ug/L	1.237869	1.27716	ug/L	1.237869	96.92%
Co 228.616†	1575.6	389.479	ug/L	1.4405	389.479	ug/L	1.4405	0.37%
Cr 205.557†	1861.8	391.430	ug/L	0.4437	391.430	ug/L	0.4437	0.11%
Cu 327.397†	13660.7	401.258	ug/L	1.5813	401.258	ug/L	1.5813	0.39%
Fe 238.204†	1075.2	396.417	ug/L	0.7417	396.417	ug/L	0.7417	0.19%
K 766.490	29266.8	19.0368	mg/L	0.05886	19.0368	mg/L	0.05886	0.31%
Li 670.784†	23503.5	401.345	ug/L	2.0570	401.345	ug/L	2.0570	0.51%
Mg 279.071†	11181.6	19.7614	mg/L	0.04505	19.7614	mg/L	0.04505	0.23%
Mn 257.610†	43101.2	386.828	ug/L	0.7887	386.828	ug/L	0.7887	0.20%
Mo 202.031†	1482.0	405.922	ug/L	0.0429	405.922	ug/L	0.0429	0.01%
Na 589.592†	147355.0	19.9032	mg/L	0.06727	19.9032	mg/L	0.06727	0.34%
Ni 231.604†	3488.2	391.168	ug/L	2.5547	391.168	ug/L	2.5547	0.65%
Pb 220.353†	419.1	387.895	ug/L	7.6996	387.895	ug/L	7.6996	1.98%
Sb 217.584†	1526.9	1975.12	ug/L	21.001	1975.12	ug/L	21.001	1.06%
Se 196.026†	615.9	1856.04	ug/L	7.942	1856.04	ug/L	7.942	0.43%
Si 251.611†	18662.4	1933.32	ug/L	1.523	1933.32	ug/L	1.523	0.08%
Sn 189.927†	1778.1	1938.19	ug/L	15.030	1938.19	ug/L	15.030	0.78%
Sr 407.771†	371996.1	396.026	ug/L	1.0133	396.026	ug/L	1.0133	0.26%
Ti 334.940†	9020.1	402.561	ug/L	1.0143	402.561	ug/L	1.0143	0.25%
Tl 190.801†	771.6	1951.79	ug/L	18.108	1951.79	ug/L	18.108	0.93%
V 292.395†	16347.8	399.608	ug/L	1.3834	399.608	ug/L	1.3834	0.35%
Zn 206.200†	1408.8	405.488	ug/L	1.1560	405.488	ug/L	1.1560	0.29%

J

Sequence No.: 24
Sample ID: 1204329-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 4/25/2012 8:52:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204329-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	385442.2	385442.2	94.8776	%			08:53:29
1	Al 396.153†	-167.3	-122.6	-21.5445	ug/L	-21.5445	ug/L	08:53:29
1	Ba 455.398†	44177.7	46199.3	136.770	ug/L	136.770	ug/L	08:53:29
1	Ca 315.887†	54642.9	57583.9	36.1386	mg/L	36.1386	mg/L	08:53:29
1	Fe 238.204†	37.0	10.3	6.08158	ug/L	6.08158	ug/L	08:53:49
1	K 766.490	3111.4	3391.1	2.20108	mg/L	2.20108	mg/L	08:53:29
1	Li 670.784†	652.5	816.2	15.2897	ug/L	15.2897	ug/L	08:53:29
1	Mg 279.071†	2856.8	2955.6	5.24003	mg/L	5.24003	mg/L	08:53:49
1	Na 589.592†	169500.1	178139.2	24.0571	mg/L	24.0571	mg/L	08:53:29
1	Sr 407.771†	219171.2	230334.2	243.700	ug/L	243.700	ug/L	08:53:29
1	Ti 334.940†	-12.9	-7.1	2.17740	ug/L	2.17740	ug/L	08:53:49
1	Y 360.076	276165.6	276165.6	94.6411	%			08:54:21
1	Ag 328.068†	45.8	-4.0	1.83852	ug/L	1.83852	ug/L	08:54:21
1	As 188.979†	-14.2	-0.5	-1.12532	ug/L	-1.12532	ug/L	08:54:41
1	B 249.677†	1668.8	623.5	34.0943	ug/L	34.0943	ug/L	08:54:21
1	Be 234.861†	-453.5	-27.3	-0.0153169	ug/L	-0.0153169	ug/L	08:54:41
1	Cd 214.437†	225.5	31.5	3.97307	ug/L	3.97307	ug/L	08:54:41
1	Ce 413.764†	1741.8	91.2	1.82682	ug/L	1.82682	ug/L	08:54:21
1	Co 228.616†	-34.6	-10.0	-0.952312	ug/L	-0.952312	ug/L	08:54:41
1	Cr 205.557†	9.7	18.2	4.00848	ug/L	4.00848	ug/L	08:54:41
1	Cu 327.397†	383.5	183.0	8.59033	ug/L	8.59033	ug/L	08:54:21
1	Mn 257.610†	323.1	114.2	2.54961	ug/L	2.54961	ug/L	08:54:41
1	Mo 202.031†	92.8	63.8	18.7181	ug/L	18.7181	ug/L	08:54:41
1	Ni 231.604†	46.7	8.1	1.66319	ug/L	1.66319	ug/L	08:54:41
1	Pb 220.353†	24.7	12.2	10.2531	ug/L	10.2531	ug/L	08:54:41
1	Sb 217.584†	-33.4	-7.5	-6.29019	ug/L	-6.29019	ug/L	08:54:41
1	Se 196.026†	14.0	3.1	25.3983	ug/L	25.3983	ug/L	08:54:41
1	Si 251.611†	114363.5	120680.4	12611.9	ug/L	12611.9	ug/L	08:54:21
1	Sn 189.927†	-22.6	-8.5	-4.57867	ug/L	-4.57867	ug/L	08:54:41
1	Tl 190.801†	-8.0	2.6	33.9215	ug/L	33.9215	ug/L	08:54:41
1	V 292.395†	-272.5	241.3	7.90870	ug/L	7.90870	ug/L	08:54:21
1	Zn 206.200†	39.6	55.2	16.5612	ug/L	16.5612	ug/L	08:54:41
2	Sc 357.234	386659.7	386659.7	95.1773	%			08:53:54
2	Al 396.153†	-192.7	-148.8	-27.4465	ug/L	-27.4465	ug/L	08:53:54
2	Ba 455.398†	44380.2	46265.3	136.963	ug/L	136.963	ug/L	08:53:54
2	Ca 315.887†	54927.8	57701.9	36.2127	mg/L	36.2127	mg/L	08:53:54
2	Fe 238.204†	36.1	9.3	5.68822	ug/L	5.68822	ug/L	08:54:14
2	K 766.490	3136.9	3416.5	2.21766	mg/L	2.21766	mg/L	08:53:54
2	Li 670.784†	668.7	831.1	15.5434	ug/L	15.5434	ug/L	08:53:54
2	Mg 279.071†	2871.8	2961.9	5.25112	mg/L	5.25112	mg/L	08:54:14
2	Na 589.592†	170022.4	178125.4	24.0553	mg/L	24.0553	mg/L	08:53:54
2	Sr 407.771†	220222.4	230711.3	244.094	ug/L	244.094	ug/L	08:53:54
2	Ti 334.940†	-1.6	4.8	2.70592	ug/L	2.70592	ug/L	08:54:14
2	Y 360.076	275533.0	275533.0	94.4243	%			08:54:46
2	Ag 328.068†	105.3	59.1	2.88574	ug/L	2.88574	ug/L	08:54:46
2	As 188.979†	-11.3	2.5	7.97580	ug/L	7.97580	ug/L	08:55:06
2	B 249.677†	1678.8	638.1	34.8962	ug/L	34.8962	ug/L	08:54:46
2	Be 234.861†	-455.7	-30.7	-0.0411101	ug/L	-0.0411101	ug/L	08:55:06
2	Cd 214.437†	221.3	27.7	3.61550	ug/L	3.61550	ug/L	08:55:06
2	Ce 413.764†	1735.0	88.2	1.74496	ug/L	1.74496	ug/L	08:54:46
2	Co 228.616†	-27.1	-2.2	0.970014	ug/L	0.970014	ug/L	08:55:06
2	Cr 205.557†	13.0	21.7	4.73780	ug/L	4.73780	ug/L	08:55:06
2	Cu 327.397†	372.4	172.2	8.27482	ug/L	8.27482	ug/L	08:54:46
2	Mn 257.610†	317.8	109.4	2.50646	ug/L	2.50646	ug/L	08:55:06
2	Mo 202.031†	84.5	55.3	16.3802	ug/L	16.3802	ug/L	08:55:06
2	Ni 231.604†	50.7	12.4	2.14185	ug/L	2.14185	ug/L	08:55:06
2	Pb 220.353†	17.7	4.8	3.47038	ug/L	3.47038	ug/L	08:55:06
2	Sb 217.584†	-26.8	-0.6	2.60433	ug/L	2.60433	ug/L	08:55:06
2	Se 196.026†	8.2	-3.0	7.02101	ug/L	7.02101	ug/L	08:55:06
2	Si 251.611†	114967.4	121597.4	12707.7	ug/L	12707.7	ug/L	08:54:46
2	Sn 189.927†	-18.6	-4.3	-0.0040023	ug/L	-0.0040023	ug/L	08:55:06
2	Tl 190.801†	-8.4	2.3	32.9828	ug/L	32.9828	ug/L	08:55:06
2	V 292.395†	-253.8	260.5	8.32118	ug/L	8.32118	ug/L	08:54:46
2	Zn 206.200†	37.1	52.5	15.8048	ug/L	15.8048	ug/L	08:55:06

Mean Data: 1204329-01

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

Sc 357.234	386051.0	95.0274 %	0.21191				0.22%
Y 360.076	275849.3	94.5327 %	0.15328				0.16%
Ag 328.068†	27.5	2.36213 ug/L	0.740496	2.36213	ug/L	0.740496	31.35%
Al 396.153†	-135.7	-24.4955 ug/L	4.17334	-24.4955	ug/L	4.17334	17.04%
As 188.979†	1.0	3.42524 ug/L	6.435469	3.42524	ug/L	6.435469	187.88%
B 249.677†	630.8	34.4953 ug/L	0.56708	34.4953	ug/L	0.56708	1.64%
Ba 455.398†	46232.3	136.867 ug/L	0.1364	136.867	ug/L	0.1364	0.10%
Be 234.861†	-29.0	-0.0282135 ug/L	0.01823856	-0.0282135	ug/L	0.01823856	64.64%
Ca 315.887†	57642.9	36.1757 mg/L	0.05235	36.1757	mg/L	0.05235	0.14%
Cd 214.437†	29.6	3.79428 ug/L	0.252842	3.79428	ug/L	0.252842	6.66%
Ce 413.764†	89.7	1.78589 ug/L	0.057886	1.78589	ug/L	0.057886	3.24%
Co 228.616†	-6.1	0.0088511 ug/L	1.35928958	0.0088511	ug/L	1.35928958	>999.9%
Cr 205.557†	19.9	4.37314 ug/L	0.515709	4.37314	ug/L	0.515709	11.79%
Cu 327.397†	177.6	8.43257 ug/L	0.223102	8.43257	ug/L	0.223102	2.65%
Fe 238.204†	9.8	5.88490 ug/L	0.278146	5.88490	ug/L	0.278146	4.73%
K 766.490	3403.8	2.20937 mg/L	0.011723	2.20937	mg/L	0.011723	0.53%
Li 670.784†	823.6	15.4165 ug/L	0.17940	15.4165	ug/L	0.17940	1.16%
Mg 279.071†	2958.7	5.24558 mg/L	0.007840	5.24558	mg/L	0.007840	0.15%
Mn 257.610†	111.8	2.52803 ug/L	0.030512	2.52803	ug/L	0.030512	1.21%
Mo 202.031†	59.6	17.5491 ug/L	1.65317	17.5491	ug/L	1.65317	9.42%
Na 589.592†	178132.3	24.0562 mg/L	0.00132	24.0562	mg/L	0.00132	0.01%
Ni 231.604†	10.2	1.90252 ug/L	0.338465	1.90252	ug/L	0.338465	17.79%
Pb 220.353†	8.5	6.86175 ug/L	4.796125	6.86175	ug/L	4.796125	69.90%
Sb 217.584†	-4.1	-1.84293 ug/L	6.289379	-1.84293	ug/L	6.289379	341.27%
Se 196.026†	0.1	16.2097 ug/L	12.99473	16.2097	ug/L	12.99473	80.17%
Si 251.611†	121138.9	12659.8 ug/L	67.78	12659.8	ug/L	67.78	0.54%
Sn 189.927†	-6.4	-2.29134 ug/L	3.234778	-2.29134	ug/L	3.234778	141.17%
Sr 407.771†	230522.7	243.897 ug/L	0.2784	243.897	ug/L	0.2784	0.11%
Ti 334.940†	-1.1	2.44166 ug/L	0.373716	2.44166	ug/L	0.373716	15.31%
Tl 190.801†	2.5	33.4522 ug/L	0.66377	33.4522	ug/L	0.66377	1.98%
V 292.395†	250.9	8.11494 ug/L	0.291666	8.11494	ug/L	0.291666	3.59%
Zn 206.200†	53.8	16.1830 ug/L	0.53486	16.1830	ug/L	0.53486	3.31%

Sequence No.: 25
Sample ID: 2D25001-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 4/25/2012 8:56:22 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Sc 357.234	395252.5	395252.5	97.2924	%			08:57:28
1	Al 396.153†	10662.2	11012.6	2495.06	ug/L	2495.06	ug/L	08:57:28
1	Ba 455.398†	163904.1	168101.8	492.660	ug/L	492.660	ug/L	08:57:28
1	Ca 315.887†	7507.9	7707.7	4.84345	mg/L	4.84345	mg/L	08:57:48
1	Fe 238.204†	1315.9	1323.8	487.557	ug/L	487.557	ug/L	08:57:48
1	K 766.490	7180.2	7459.9	4.84842	mg/L	4.84842	mg/L	08:57:28
1	Li 670.784†	28193.2	29106.2	496.682	ug/L	496.682	ug/L	08:57:28
1	Mg 279.071†	2770.4	2792.0	4.95130	mg/L	4.95130	mg/L	08:57:48
1	Na 589.592†	36322.0	36820.6	4.98818	mg/L	4.98818	mg/L	08:57:28
1	Sr 407.771†	447890.5	459685.0	490.661	ug/L	490.661	ug/L	08:57:28
1	Ti 334.940†	10699.0	11003.3	490.521	ug/L	490.521	ug/L	08:57:48
1	Y 360.076	288274.2	288274.2	98.7907	%			08:58:19
1	Ag 328.068†	29174.1	29478.9	491.391	ug/L	491.391	ug/L	08:58:19
1	As 188.979†	764.7	788.6	2394.50	ug/L	2394.50	ug/L	08:58:40
1	B 249.677†	9608.6	8586.4	472.402	ug/L	472.402	ug/L	08:58:19
1	Be 234.861†	5883.7	6407.6	48.2390	ug/L	48.2390	ug/L	08:58:40
1	Cd 214.437†	5307.6	5165.8	480.258	ug/L	480.258	ug/L	08:58:40
1	Ce 413.764†	1808.2	81.0	2.05854	ug/L	2.05854	ug/L	08:58:19
1	Co 228.616†	1918.0	1968.0	486.131	ug/L	486.131	ug/L	08:58:40
1	Cr 205.557†	2281.8	2317.7	487.377	ug/L	487.377	ug/L	08:58:40
1	Cu 327.397†	16795.3	16778.7	492.096	ug/L	492.096	ug/L	08:58:19
1	Mn 257.610†	53924.2	54357.2	487.448	ug/L	487.448	ug/L	08:58:19
1	Mo 202.031†	1780.8	1768.4	484.128	ug/L	484.128	ug/L	08:58:40
1	Ni 231.604†	4320.1	4331.7	485.546	ug/L	485.546	ug/L	08:58:40
1	Pb 220.353†	525.1	517.6	479.194	ug/L	479.194	ug/L	08:58:40
1	Sb 217.584†	1836.3	1886.5	2439.38	ug/L	2439.38	ug/L	08:58:40
1	Se 196.026†	804.1	802.3	2412.99	ug/L	2412.99	ug/L	08:58:40

1	Si 251.611†	24107.5	24243.8	2513.52 ug/L	2513.52 ug/L	08:58:19
1	Sn 189.927†	2188.9	2231.1	2430.80 ug/L	2430.80 ug/L	08:58:40
1	Tl 190.801†	928.0	950.4	2397.79 ug/L	2397.79 ug/L	08:58:40
1	V 292.395†	19678.1	20448.2	498.948 ug/L	498.948 ug/L	08:58:19
1	Zn 206.200†	1639.0	1672.4	481.220 ug/L	481.220 ug/L	08:58:40
2	Sc 357.234	397210.5	397210.5	97.7744 %		08:57:53
2	Al 396.153†	10803.7	11103.3	2515.65 ug/L	2515.65 ug/L	08:57:53
2	Ba 455.398†	164720.6	168106.5	492.674 ug/L	492.674 ug/L	08:57:53
2	Ca 315.887†	7541.7	7704.2	4.84127 mg/L	4.84127 mg/L	08:58:13
2	Fe 238.204†	1327.7	1329.3	489.547 ug/L	489.547 ug/L	08:58:13
2	K 766.490	7291.6	7571.2	4.92084 mg/L	4.92084 mg/L	08:57:53
2	Li 670.784†	28314.9	29087.9	496.371 ug/L	496.371 ug/L	08:57:53
2	Mg 279.071†	2789.0	2797.0	4.96012 mg/L	4.96012 mg/L	08:58:13
2	Na 589.592†	36398.6	36715.0	4.97393 mg/L	4.97393 mg/L	08:57:53
2	Sr 407.771†	450841.7	460434.1	491.458 ug/L	491.458 ug/L	08:57:53
2	Ti 334.940†	10755.3	11006.6	490.668 ug/L	490.668 ug/L	08:58:13
2	Y 360.076	288305.4	288305.4	98.8014 %		08:58:45
2	Ag 328.068†	29077.3	29377.6	489.713 ug/L	489.713 ug/L	08:58:45
2	As 188.979†	771.3	795.1	2414.42 ug/L	2414.42 ug/L	08:59:05
2	B 249.677†	9519.6	8495.3	467.359 ug/L	467.359 ug/L	08:58:45
2	Be 234.861†	5910.6	6434.2	48.4386 ug/L	48.4386 ug/L	08:59:05
2	Cd 214.437†	5327.5	5185.4	482.075 ug/L	482.075 ug/L	08:59:05
2	Ce 413.764†	1718.5	-9.9	-0.385248 ug/L	-0.385248 ug/L	08:58:45
2	Co 228.616†	1922.9	1972.7	487.286 ug/L	487.286 ug/L	08:59:05
2	Cr 205.557†	2291.7	2327.4	489.403 ug/L	489.403 ug/L	08:59:05
2	Cu 327.397†	16766.1	16747.3	491.183 ug/L	491.183 ug/L	08:58:45
2	Mn 257.610†	53709.6	54134.0	485.453 ug/L	485.453 ug/L	08:58:45
2	Mo 202.031†	1800.0	1787.5	489.358 ug/L	489.358 ug/L	08:59:05
2	Ni 231.604†	4355.2	4366.8	489.479 ug/L	489.479 ug/L	08:59:05
2	Pb 220.353†	530.8	523.3	484.526 ug/L	484.526 ug/L	08:59:05
2	Sb 217.584†	1844.6	1894.8	2450.06 ug/L	2450.06 ug/L	08:59:05
2	Se 196.026†	810.0	808.2	2430.61 ug/L	2430.61 ug/L	08:59:05
2	Si 251.611†	23901.5	24032.6	2491.40 ug/L	2491.40 ug/L	08:58:45
2	Sn 189.927†	2202.1	2244.2	2445.07 ug/L	2445.07 ug/L	08:59:05
2	Tl 190.801†	922.6	944.9	2383.92 ug/L	2383.92 ug/L	08:59:05
2	V 292.395†	19573.8	20340.5	496.474 ug/L	496.474 ug/L	08:58:45
2	Zn 206.200†	1633.9	1667.0	479.681 ug/L	479.681 ug/L	08:59:05

Mean Data: 2D25001-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	396231.5	97.5334	%	0.34080				0.35%
Y 360.076	288289.8	98.7960	%	0.00756				0.01%
Ag 328.068†	29428.2	490.552	ug/L	1.1862	490.552	ug/L	1.1862	0.24%
QC value within limits for Ag 328.068 Recovery = 98.11%								
Al 396.153†	11057.9	2505.36	ug/L	14.560	2505.36	ug/L	14.560	0.58%
QC value within limits for Al 396.153 Recovery = 100.21%								
As 188.979†	791.9	2404.46	ug/L	14.085	2404.46	ug/L	14.085	0.59%
QC value within limits for As 188.979 Recovery = 96.18%								
B 249.677†	8540.8	469.881	ug/L	3.5659	469.881	ug/L	3.5659	0.76%
QC value within limits for B 249.677 Recovery = 93.98%								
Ba 455.398†	168104.2	492.667	ug/L	0.0095	492.667	ug/L	0.0095	0.00%
QC value within limits for Ba 455.398 Recovery = 98.53%								
Be 234.861†	6420.9	48.3388	ug/L	0.14113	48.3388	ug/L	0.14113	0.29%
QC value within limits for Be 234.861 Recovery = 96.68%								
Ca 315.887†	7706.0	4.84236	mg/L	0.001539	4.84236	mg/L	0.001539	0.03%
QC value within limits for Ca 315.887 Recovery = 96.85%								
Cd 214.437†	5175.6	481.166	ug/L	1.2845	481.166	ug/L	1.2845	0.27%
QC value within limits for Cd 214.437 Recovery = 96.23%								
Ce 413.764†	35.6	0.836646	ug/L	1.7280190	0.836646	ug/L	1.7280190	206.54%
Co 228.616†	1970.3	486.708	ug/L	0.8166	486.708	ug/L	0.8166	0.17%
QC value within limits for Co 228.616 Recovery = 97.34%								
Cr 205.557†	2322.5	488.390	ug/L	1.4326	488.390	ug/L	1.4326	0.29%
QC value within limits for Cr 205.557 Recovery = 97.68%								
Cu 327.397†	16763.0	491.639	ug/L	0.6459	491.639	ug/L	0.6459	0.13%
QC value within limits for Cu 327.397 Recovery = 98.33%								
Fe 238.204†	1326.5	488.552	ug/L	1.4073	488.552	ug/L	1.4073	0.29%
QC value within limits for Fe 238.204 Recovery = 97.71%								
K 766.490	7515.6	4.88463	mg/L	0.051214	4.88463	mg/L	0.051214	1.05%
QC value within limits for K 766.490 Recovery = 97.69%								

Li 670.784†	29097.1	496.526 ug/L	0.2202	496.526 ug/L	0.2202	0.04%
QC value within limits for Li 670.784 Recovery = 99.31%						
Mg 279.071†	2794.5	4.95571 mg/L	0.006237	4.95571 mg/L	0.006237	0.13%
QC value within limits for Mg 279.071 Recovery = 99.11%						
Mn 257.610†	54245.6	486.451 ug/L	1.4107	486.451 ug/L	1.4107	0.29%
QC value within limits for Mn 257.610 Recovery = 97.29%						
Mo 202.031†	1778.0	486.743 ug/L	3.6976	486.743 ug/L	3.6976	0.76%
QC value within limits for Mo 202.031 Recovery = 97.35%						
Na 589.592†	36767.8	4.98105 mg/L	0.010076	4.98105 mg/L	0.010076	0.20%
QC value within limits for Na 589.592 Recovery = 99.62%						
Ni 231.604†	4349.3	487.513 ug/L	2.7813	487.513 ug/L	2.7813	0.57%
QC value within limits for Ni 231.604 Recovery = 97.50%						
Pb 220.353†	520.5	481.860 ug/L	3.7703	481.860 ug/L	3.7703	0.78%
QC value within limits for Pb 220.353 Recovery = 96.37%						
Sb 217.584†	1890.6	2444.72 ug/L	7.549	2444.72 ug/L	7.549	0.31%
QC value within limits for Sb 217.584 Recovery = 97.79%						
Se 196.026†	805.2	2421.80 ug/L	12.458	2421.80 ug/L	12.458	0.51%
QC value within limits for Se 196.026 Recovery = 96.87%						
Si 251.611†	24138.2	2502.46 ug/L	15.639	2502.46 ug/L	15.639	0.62%
QC value within limits for Si 251.611 Recovery = 100.10%						
Sn 189.927†	2237.7	2437.94 ug/L	10.093	2437.94 ug/L	10.093	0.41%
QC value within limits for Sn 189.927 Recovery = 97.52%						
Sr 407.771†	460059.6	491.059 ug/L	0.5635	491.059 ug/L	0.5635	0.11%
QC value within limits for Sr 407.771 Recovery = 98.21%						
Ti 334.940†	11005.0	490.594 ug/L	0.1043	490.594 ug/L	0.1043	0.02%
QC value within limits for Ti 334.940 Recovery = 98.12%						
Tl 190.801†	947.7	2390.85 ug/L	9.801	2390.85 ug/L	9.801	0.41%
QC value within limits for Tl 190.801 Recovery = 95.63%						
V 292.395†	20394.4	497.711 ug/L	1.7494	497.711 ug/L	1.7494	0.35%
QC value within limits for V 292.395 Recovery = 99.54%						
Zn 206.200†	1669.7	480.451 ug/L	1.0881	480.451 ug/L	1.0881	0.23%
QC value within limits for Zn 206.200 Recovery = 96.09%						

All analyte(s) passed QC.

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Sequence No.: 26 **Autosampler Location: 1**
Sample ID: 2D25001-CCB **Date Collected: 4/25/2012 9:00:21 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2D25001-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	407937.8	407937.8	100.415	%			09:01:26
1	Al 396.153†	-32.9	20.9	-4.85122	ug/L	-4.85122	ug/L	09:01:31
1	Ba 455.398†	415.6	50.2	2.03972	ug/L	2.03972	ug/L	09:01:31
1	Ca 315.887†	15.3	6.1	0.0109787	mg/L	0.0109787	mg/L	09:01:51
1	Fe 238.204†	29.5	0.7	2.54006	ug/L	2.54006	ug/L	09:01:51
1	K 766.490	-228.5	51.1	0.0279815	mg/L	0.0279815	mg/L	09:01:31
1	Li 670.784†	-119.1	9.9	1.56930	ug/L	1.56930	ug/L	09:01:31
1	Mg 279.071†	53.4	-2.2	0.0185775	mg/L	0.0185775	mg/L	09:01:51
1	Na 589.592†	443.0	-71.0	0.0101713	mg/L	0.0101713	mg/L	09:01:31
1	Sr 407.771†	770.1	96.9	2.37383	ug/L	2.37383	ug/L	09:01:31
1	Ti 334.940†	4.4	10.9	2.97377	ug/L	2.97377	ug/L	09:01:51
1	Y 360.076	295488.9	295488.9	101.263	%			09:02:27
1	Ag 328.068†	60.1	6.9	2.01958	ug/L	2.01958	ug/L	09:02:27
1	As 188.979†	-12.3	2.4	7.67589	ug/L	7.67589	ug/L	09:02:47
1	B 249.677†	835.2	-315.1	-17.7955	ug/L	-17.7955	ug/L	09:02:47
1	Be 234.861†	-436.9	20.4	0.342261	ug/L	0.342261	ug/L	09:02:47
1	Cd 214.437†	199.5	-9.7	0.142551	ug/L	0.142551	ug/L	09:02:47
1	Ce 413.764†	1718.1	-52.6	-1.41369	ug/L	-1.41369	ug/L	09:02:27
1	Co 228.616†	-29.0	-2.1	0.999370	ug/L	0.999370	ug/L	09:02:47
1	Cr 205.557†	-7.3	0.7	0.890781	ug/L	0.890781	ug/L	09:02:47
1	Cu 327.397†	310.7	84.6	5.72650	ug/L	5.72650	ug/L	09:02:27
1	Mn 257.610†	230.7	0.7	1.53511	ug/L	1.53511	ug/L	09:02:47
1	Mo 202.031†	35.3	0.6	1.44702	ug/L	1.44702	ug/L	09:02:47
1	Ni 231.604†	59.3	17.3	2.65875	ug/L	2.65875	ug/L	09:02:47
1	Pb 220.353†	23.5	9.3	7.54752	ug/L	7.54752	ug/L	09:02:47
1	Sb 217.584†	-24.3	3.7	8.23171	ug/L	8.23171	ug/L	09:02:47

1	Se 196.026†	9.5	-2.3	9.20832 ug/L	9.20832 ug/L	09:02:47
1	Si 251.611†	419.0	255.0	24.1826 ug/L	24.1826 ug/L	09:02:47
1	Sn 189.927†	-4.9	10.6	16.1975 ug/L	16.1975 ug/L	09:02:47
1	Tl 190.801†	-10.6	0.7	29.0203 ug/L	29.0203 ug/L	09:02:47
1	V 292.395†	-505.3	30.3	2.54042 ug/L	2.54042 ug/L	09:02:27
1	Zn 206.200†	-13.0	0.4	0.824903 ug/L	0.824903 ug/L	09:02:47
2	Sc 357.234	414218.1	414218.1	101.961 %		09:01:56
2	Al 396.153†	-44.1	10.4	-7.27205 ug/L	-7.27205 ug/L	09:02:01
2	Ba 455.398†	352.3	-18.1	1.84010 ug/L	1.84010 ug/L	09:02:01
2	Ca 315.887†	16.6	7.1	0.0116485 mg/L	0.0116485 mg/L	09:02:21
2	Fe 238.204†	28.7	-0.6	2.08856 ug/L	2.08856 ug/L	09:02:21
2	K 766.490	-231.8	47.8	0.0258315 mg/L	0.0258315 mg/L	09:02:01
2	Li 670.784†	-115.5	15.2	1.65987 ug/L	1.65987 ug/L	09:02:01
2	Mg 279.071†	49.6	-6.7	0.0105986 mg/L	0.0105986 mg/L	09:02:21
2	Na 589.592†	428.0	-92.4	0.0072889 mg/L	0.0072889 mg/L	09:02:01
2	Sr 407.771†	698.6	15.2	2.28686 ug/L	2.28686 ug/L	09:02:01
2	Ti 334.940†	-0.4	6.1	2.76200 ug/L	2.76200 ug/L	09:02:21
2	Y 360.076	295701.8	295701.8	101.336 %		09:02:52
2	Ag 328.068†	74.0	20.6	2.24707 ug/L	2.24707 ug/L	09:02:52
2	As 188.979†	-14.7	-0.0	0.298513 ug/L	0.298513 ug/L	09:03:12
2	B 249.677†	804.7	-345.8	-19.4900 ug/L	-19.4900 ug/L	09:03:12
2	Be 234.861†	-445.7	12.0	0.279655 ug/L	0.279655 ug/L	09:03:12
2	Cd 214.437†	204.7	-4.7	0.606729 ug/L	0.606729 ug/L	09:03:12
2	Ce 413.764†	1693.2	-78.3	-2.10569 ug/L	-2.10569 ug/L	09:02:52
2	Co 228.616†	-30.6	-3.7	0.611015 ug/L	0.611015 ug/L	09:03:12
2	Cr 205.557†	-6.0	2.0	1.16096 ug/L	1.16096 ug/L	09:03:12
2	Cu 327.397†	299.9	73.7	5.40925 ug/L	5.40925 ug/L	09:02:52
2	Mn 257.610†	243.7	13.3	1.64768 ug/L	1.64768 ug/L	09:03:12
2	Mo 202.031†	40.7	5.9	2.89152 ug/L	2.89152 ug/L	09:03:12
2	Ni 231.604†	47.3	5.5	1.33819 ug/L	1.33819 ug/L	09:03:12
2	Pb 220.353†	16.3	2.1	0.929762 ug/L	0.929762 ug/L	09:03:12
2	Sb 217.584†	-29.2	-1.1	2.01300 ug/L	2.01300 ug/L	09:03:12
2	Se 196.026†	1.1	-10.6	-15.7021 ug/L	-15.7021 ug/L	09:03:12
2	Si 251.611†	402.1	238.1	22.4090 ug/L	22.4090 ug/L	09:03:12
2	Sn 189.927†	-8.3	7.3	12.5384 ug/L	12.5384 ug/L	09:03:12
2	Tl 190.801†	-14.7	-3.4	18.9181 ug/L	18.9181 ug/L	09:03:12
2	V 292.395†	-487.1	48.6	3.00574 ug/L	3.00574 ug/L	09:02:52
2	Zn 206.200†	-11.7	1.7	1.20905 ug/L	1.20905 ug/L	09:03:12

Mean Data: 2D25001-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Calib. Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Sc 357.234	411078.0	101.188	%	1.0931				1.08%
Y 360.076	295595.3	101.300	%	0.0516				0.05%
Ag 328.068†	13.8	2.13332	ug/L	0.160858	2.13332	ug/L	0.160858	7.54%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	15.6	-6.06163	ug/L	1.711784	-6.06163	ug/L	1.711784	28.24%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	1.2	3.98720	ug/L	5.216592	3.98720	ug/L	5.216592	130.83%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-330.4	-18.6428	ug/L	1.19821	-18.6428	ug/L	1.19821	6.43%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	16.1	1.93991	ug/L	0.141147	1.93991	ug/L	0.141147	7.28%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	16.2	0.310958	ug/L	0.0442691	0.310958	ug/L	0.0442691	14.24%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	6.6	0.0113136	mg/L	0.00047365	0.0113136	mg/L	0.00047365	4.19%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-7.2	0.374640	ug/L	0.3282237	0.374640	ug/L	0.3282237	87.61%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-65.5	-1.75969	ug/L	0.489316	-1.75969	ug/L	0.489316	27.81%
Co 228.616†	-2.9	0.805192	ug/L	0.2746083	0.805192	ug/L	0.2746083	34.10%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	1.4	1.02587	ug/L	0.191047	1.02587	ug/L	0.191047	18.62%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	79.2	5.56787	ug/L	0.224330	5.56787	ug/L	0.224330	4.03%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	0.1	2.31431	ug/L	0.319254	2.31431	ug/L	0.319254	13.79%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	49.5	0.0269065	mg/L	0.00152027	0.0269065	mg/L	0.00152027	5.65%

QC value within limits for K 766.490 Recovery = Not calculated

Li	670.784†	12.5	1.61458 ug/L	0.064041	1.61458 ug/L	0.064041	3.97%
	QC value within limits for Li 670.784 Recovery = Not calculated							
Mg	279.071†	-4.5	0.0145881 mg/L	0.00564193	0.0145881 mg/L	0.00564193	38.67%
	QC value within limits for Mg 279.071 Recovery = Not calculated							
Mn	257.610†	7.0	1.59139 ug/L	0.079600	1.59139 ug/L	0.079600	5.00%
	QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo	202.031†	3.2	2.16927 ug/L	1.021411	2.16927 ug/L	1.021411	47.09%
	QC value within limits for Mo 202.031 Recovery = Not calculated							
Na	589.592†	-81.7	0.0087301 mg/L	0.00203811	0.0087301 mg/L	0.00203811	23.35%
	QC value within limits for Na 589.592 Recovery = Not calculated							
Ni	231.604†	11.4	1.99847 ug/L	0.933778	1.99847 ug/L	0.933778	46.72%
	QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb	220.353†	5.7	4.23864 ug/L	4.679463	4.23864 ug/L	4.679463	110.40%
	QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb	217.584†	1.3	5.12235 ug/L	4.397291	5.12235 ug/L	4.397291	85.85%
	QC value within limits for Sb 217.584 Recovery = Not calculated							
Se	196.026†	-6.4	-3.24689 ug/L	17.614338	-3.24689 ug/L	17.614338	542.50%
	QC value within limits for Se 196.026 Recovery = Not calculated							
Si	251.611†	246.5	23.2958 ug/L	1.25407	23.2958 ug/L	1.25407	5.38%
	QC value within limits for Si 251.611 Recovery = Not calculated							
Sn	189.927†	8.9	14.3679 ug/L	2.58740	14.3679 ug/L	2.58740	18.01%
	QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr	407.771†	56.0	2.33034 ug/L	0.061495	2.33034 ug/L	0.061495	2.64%
	QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti	334.940†	8.5	2.86788 ug/L	0.149743	2.86788 ug/L	0.149743	5.22%
	QC value within limits for Ti 334.940 Recovery = Not calculated							
Tl	190.801†	-1.3	23.9692 ug/L	7.14338	23.9692 ug/L	7.14338	29.80%
	QC value within limits for Tl 190.801 Recovery = Not calculated							
V	292.395†	39.4	2.77308 ug/L	0.329029	2.77308 ug/L	0.329029	11.87%
	QC value within limits for V 292.395 Recovery = Not calculated							
Zn	206.200†	1.1	1.01698 ug/L	0.271632	1.01698 ug/L	0.271632	26.71%
	QC value within limits for Zn 206.200 Recovery = Not calculated							

All analyte(s) passed QC.

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Sequence No.: 27 **Autosampler Location: 27**
Sample ID: 1205037-MS1 **Date Collected: 4/25/2012 9:04:27 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1205037-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	378444.1	378444.1	93.1550	%			09:05:33
1	Al 396.153†	7820.6	8448.9	1934.49	ug/L	1934.49	ug/L	09:05:33
1	Ba 455.398†	170594.9	182766.6	535.473	ug/L	535.473	ug/L	09:05:33
1	Ca 315.887†	82237.7	88271.3	55.3937	mg/L	55.3937	mg/L	09:05:33
1	Fe 238.204†	1032.6	1079.8	398.121	ug/L	398.121	ug/L	09:05:53
1	K 766.490	31781.6	32061.2	20.8550	mg/L	20.8550	mg/L	09:05:33
1	Li 670.784†	22503.1	24285.1	414.645	ug/L	414.645	ug/L	09:05:33
1	Mg 279.071†	13324.1	14247.7	25.1739	mg/L	25.1739	mg/L	09:05:53
1	Na 589.592†	305651.2	327598.3	44.2246	mg/L	44.2246	mg/L	09:05:33
1	Sr 407.771†	564345.2	605143.3	640.420	ug/L	640.420	ug/L	09:05:33
1	Ti 334.940†	8523.7	9156.5	408.611	ug/L	408.611	ug/L	09:05:53
1	Y 360.076	269959.0	269959.0	92.5141	%			09:06:25
1	Ag 328.068†	22047.5	23779.1	396.753	ug/L	396.753	ug/L	09:06:25
1	As 188.979†	592.6	655.1	1989.07	ug/L	1989.07	ug/L	09:06:45
1	B 249.677†	8115.7	7632.5	420.028	ug/L	420.028	ug/L	09:06:25
1	Be 234.861†	4404.6	5212.9	39.2830	ug/L	39.2830	ug/L	09:06:45
1	Cd 214.437†	4048.5	4169.3	387.830	ug/L	387.830	ug/L	09:06:45
1	Ce 413.764†	1735.0	126.1	2.40367	ug/L	2.40367	ug/L	09:06:25
1	Co 228.616†	1441.4	1584.5	391.661	ug/L	391.661	ug/L	09:06:45
1	Cr 205.557†	1745.2	1894.4	397.715	ug/L	397.715	ug/L	09:06:45
1	Cu 327.397†	12940.1	13765.0	404.300	ug/L	404.300	ug/L	09:06:25
1	Mn 257.610†	40257.6	43288.0	388.497	ug/L	388.497	ug/L	09:06:25
1	Mo 202.031†	1457.3	1540.9	422.021	ug/L	422.021	ug/L	09:06:45
1	Ni 231.604†	3243.4	3464.6	388.564	ug/L	388.564	ug/L	09:06:45
1	Pb 220.353†	402.9	421.6	390.241	ug/L	390.241	ug/L	09:06:45

1	Sb 217.584†	1407.9	1549.6	2004.36 ug/L	2004.36 ug/L	09:06:45
1	Se 196.026†	602.5	639.6	1926.90 ug/L	1926.90 ug/L	09:06:45
1	Si 251.611†	134768.5	145514.6	15192.6 ug/L	15192.6 ug/L	09:06:25
1	Sn 189.927†	1647.9	1796.7	1958.44 ug/L	1958.44 ug/L	09:06:45
1	Tl 190.801†	727.3	797.3	2015.88 ug/L	2015.88 ug/L	09:06:45
1	V 292.395†	15021.5	16766.2	409.901 ug/L	409.901 ug/L	09:06:25
1	Zn 206.200†	1236.8	1350.1	388.632 ug/L	388.632 ug/L	09:06:45
2	Sc 357.234	378673.6	378673.6	93.2115 %		09:05:58
2	Al 396.153†	7833.0	8457.1	1936.57 ug/L	1936.57 ug/L	09:05:58
2	Ba 455.398†	171282.4	183393.2	537.303 ug/L	537.303 ug/L	09:05:58
2	Ca 315.887†	82796.4	88817.3	55.7363 mg/L	55.7363 mg/L	09:05:58
2	Fe 238.204†	1028.3	1074.5	396.161 ug/L	396.161 ug/L	09:06:18
2	K 766.490	31873.3	32152.9	20.9147 mg/L	20.9147 mg/L	09:05:58
2	Li 670.784†	22618.0	24393.7	416.492 ug/L	416.492 ug/L	09:05:58
2	Mg 279.071†	13334.0	14249.7	25.1774 mg/L	25.1774 mg/L	09:06:18
2	Na 589.592†	306865.0	328701.6	44.3734 mg/L	44.3734 mg/L	09:05:58
2	Sr 407.771†	567189.5	607827.6	643.241 ug/L	643.241 ug/L	09:05:58
2	Ti 334.940†	8524.1	9151.4	408.385 ug/L	408.385 ug/L	09:06:18
2	Y 360.076	271983.5	271983.5	93.2079 %		09:06:50
2	Ag 328.068†	22215.2	23781.6	396.792 ug/L	396.792 ug/L	09:06:50
2	As 188.979†	581.8	638.7	1939.43 ug/L	1939.43 ug/L	09:07:10
2	B 249.677†	8154.3	7608.7	418.726 ug/L	418.726 ug/L	09:06:50
2	Be 234.861†	4412.5	5185.9	39.0803 ug/L	39.0803 ug/L	09:07:10
2	Cd 214.437†	4049.7	4138.1	384.936 ug/L	384.936 ug/L	09:07:10
2	Ce 413.764†	1790.1	171.3	3.61004 ug/L	3.61004 ug/L	09:06:50
2	Co 228.616†	1435.8	1566.9	387.323 ug/L	387.323 ug/L	09:07:10
2	Cr 205.557†	1739.8	1874.5	393.538 ug/L	393.538 ug/L	09:07:10
2	Cu 327.397†	13040.0	13768.1	404.390 ug/L	404.390 ug/L	09:06:50
2	Mn 257.610†	40644.6	43379.2	389.312 ug/L	389.312 ug/L	09:06:50
2	Mo 202.031†	1456.8	1528.7	418.688 ug/L	418.688 ug/L	09:07:10
2	Ni 231.604†	3239.6	3434.4	385.186 ug/L	385.186 ug/L	09:07:10
2	Pb 220.353†	407.9	423.8	392.194 ug/L	392.194 ug/L	09:07:10
2	Sb 217.584†	1405.0	1535.1	1985.65 ug/L	1985.65 ug/L	09:07:10
2	Se 196.026†	595.0	626.7	1888.46 ug/L	1888.46 ug/L	09:07:10
2	Si 251.611†	135431.9	145142.1	15153.7 ug/L	15153.7 ug/L	09:06:50
2	Sn 189.927†	1648.9	1784.5	1945.12 ug/L	1945.12 ug/L	09:07:10
2	Tl 190.801†	718.7	782.1	1978.13 ug/L	1978.13 ug/L	09:07:10
2	V 292.395†	15056.8	16683.2	407.858 ug/L	407.858 ug/L	09:06:50
2	Zn 206.200†	1238.7	1342.2	386.358 ug/L	386.358 ug/L	09:07:10

Mean Data: 1205037-MS1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	378558.8	93.1832	%	0.03994				0.04%
Y 360.076	270971.3	92.8610	%	0.49060				0.53%
Ag 328.068†	23780.3	396.773	ug/L	0.0277	396.773	ug/L	0.0277	0.01%
Al 396.153†	8453.0	1935.53	ug/L	1.470	1935.53	ug/L	1.470	0.08%
As 188.979†	646.9	1964.25	ug/L	35.102	1964.25	ug/L	35.102	1.79%
B 249.677†	7620.6	419.377	ug/L	0.9204	419.377	ug/L	0.9204	0.22%
Ba 455.398†	183079.9	536.388	ug/L	1.2937	536.388	ug/L	1.2937	0.24%
Be 234.861†	5199.4	39.1816	ug/L	0.14339	39.1816	ug/L	0.14339	0.37%
Ca 315.887†	88544.3	55.5650	mg/L	0.24224	55.5650	mg/L	0.24224	0.44%
Cd 214.437†	4153.7	386.383	ug/L	2.0466	386.383	ug/L	2.0466	0.53%
Ce 413.764†	148.7	3.00685	ug/L	0.853033	3.00685	ug/L	0.853033	28.37%
Co 228.616†	1575.7	389.492	ug/L	3.0669	389.492	ug/L	3.0669	0.79%
Cr 205.557†	1884.4	395.627	ug/L	2.9533	395.627	ug/L	2.9533	0.75%
Cu 327.397†	13766.5	404.345	ug/L	0.0634	404.345	ug/L	0.0634	0.02%
Fe 238.204†	1077.2	397.141	ug/L	1.3865	397.141	ug/L	1.3865	0.35%
K 766.490	32107.1	20.8848	mg/L	0.04220	20.8848	mg/L	0.04220	0.20%
Li 670.784†	24339.4	415.568	ug/L	1.3064	415.568	ug/L	1.3064	0.31%
Mg 279.071†	14248.7	25.1757	mg/L	0.00244	25.1757	mg/L	0.00244	0.01%
Mn 257.610†	43333.6	388.904	ug/L	0.5765	388.904	ug/L	0.5765	0.15%
Mo 202.031†	1534.8	420.354	ug/L	2.3569	420.354	ug/L	2.3569	0.56%
Na 589.592†	328150.0	44.2990	mg/L	0.10527	44.2990	mg/L	0.10527	0.24%
Ni 231.604†	3449.5	386.875	ug/L	2.3886	386.875	ug/L	2.3886	0.62%
Pb 220.353†	422.7	391.217	ug/L	1.3812	391.217	ug/L	1.3812	0.35%
Sb 217.584†	1542.4	1995.00	ug/L	13.232	1995.00	ug/L	13.232	0.66%
Se 196.026†	633.1	1907.68	ug/L	27.184	1907.68	ug/L	27.184	1.42%
Si 251.611†	145328.4	15173.1	ug/L	27.52	15173.1	ug/L	27.52	0.18%
Sn 189.927†	1790.6	1951.78	ug/L	9.422	1951.78	ug/L	9.422	0.48%

Sr 407.771†	606485.5	641.830 ug/L	1.9949	641.830 ug/L	1.9949	0.31%
Ti 334.940†	9154.0	408.498 ug/L	0.1601	408.498 ug/L	0.1601	0.04%
Tl 190.801†	789.7	1997.01 ug/L	26.697	1997.01 ug/L	26.697	1.34%
V 292.395†	16724.7	408.880 ug/L	1.4449	408.880 ug/L	1.4449	0.35%
Zn 206.200†	1346.2	387.495 ug/L	1.6081	387.495 ug/L	1.6081	0.42%

Sequence No.: 28
Sample ID: 1205037-MSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 4/25/2012 9:08:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205037-MSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	378482.6	378482.6	93.1645	%			09:09:31
1	Al 396.153†	7443.4	8043.2	1840.81	ug/L	1840.81	ug/L	09:09:31
1	Ba 455.398†	161628.7	173123.9	507.322	ug/L	507.322	ug/L	09:09:31
1	Ca 315.887†	77357.9	83024.6	52.1016	mg/L	52.1016	mg/L	09:09:31
1	Fe 238.204†	994.5	1038.8	383.078	ug/L	383.078	ug/L	09:09:51
1	K 766.490	30151.1	30430.8	19.7942	mg/L	19.7942	mg/L	09:09:31
1	Li 670.784†	21469.1	23172.7	395.716	ug/L	395.716	ug/L	09:09:31
1	Mg 279.071†	12743.7	13623.3	24.0717	mg/L	24.0717	mg/L	09:09:51
1	Na 589.592†	289821.2	310573.4	41.9273	mg/L	41.9273	mg/L	09:09:31
1	Sr 407.771†	533313.7	571773.3	605.253	ug/L	605.253	ug/L	09:09:31
1	Ti 334.940†	8129.2	8732.2	389.790	ug/L	389.790	ug/L	09:09:51
1	Y 360.076	269694.3	269694.3	92.4234	%			09:10:22
1	Ag 328.068†	21320.2	23015.6	384.073	ug/L	384.073	ug/L	09:10:22
1	As 188.979†	564.8	625.7	1899.84	ug/L	1899.84	ug/L	09:10:43
1	B 249.677†	8046.0	7565.8	416.397	ug/L	416.397	ug/L	09:10:22
1	Be 234.861†	4181.1	4975.7	37.5033	ug/L	37.5033	ug/L	09:10:43
1	Cd 214.437†	3907.0	4020.5	374.028	ug/L	374.028	ug/L	09:10:43
1	Ce 413.764†	1699.0	89.1	1.46565	ug/L	1.46565	ug/L	09:10:22
1	Co 228.616†	1384.5	1524.4	376.893	ug/L	376.893	ug/L	09:10:43
1	Cr 205.557†	1672.0	1817.0	381.530	ug/L	381.530	ug/L	09:10:43
1	Cu 327.397†	12599.1	13409.7	393.941	ug/L	393.941	ug/L	09:10:22
1	Mn 257.610†	38876.1	41835.8	375.516	ug/L	375.516	ug/L	09:10:22
1	Mo 202.031†	1396.1	1476.3	404.371	ug/L	404.371	ug/L	09:10:43
1	Ni 231.604†	3111.0	3324.8	372.908	ug/L	372.908	ug/L	09:10:43
1	Pb 220.353†	392.2	410.4	379.824	ug/L	379.824	ug/L	09:10:43
1	Sb 217.584†	1345.3	1483.4	1918.85	ug/L	1918.85	ug/L	09:10:43
1	Se 196.026†	567.3	602.2	1815.13	ug/L	1815.13	ug/L	09:10:43
1	Si 251.611†	142857.4	154409.7	16123.1	ug/L	16123.1	ug/L	09:10:22
1	Sn 189.927†	1640.7	1790.6	1951.82	ug/L	1951.82	ug/L	09:10:43
1	Tl 190.801†	690.2	757.9	1917.54	ug/L	1917.54	ug/L	09:10:43
1	V 292.395†	14435.3	16147.9	394.814	ug/L	394.814	ug/L	09:10:22
1	Zn 206.200†	1176.8	1286.5	370.356	ug/L	370.356	ug/L	09:10:43
2	Sc 357.234	376182.3	376182.3	92.5982	%			09:09:56
2	Al 396.153†	7556.3	8214.0	1880.19	ug/L	1880.19	ug/L	09:09:56
2	Ba 455.398†	163814.8	176545.6	517.312	ug/L	517.312	ug/L	09:09:56
2	Ca 315.887†	78533.3	84801.6	53.2166	mg/L	53.2166	mg/L	09:09:56
2	Fe 238.204†	989.9	1040.4	383.660	ug/L	383.660	ug/L	09:10:16
2	K 766.490	30498.7	30778.4	20.0203	mg/L	20.0203	mg/L	09:09:56
2	Li 670.784†	21718.8	23583.3	402.704	ug/L	402.704	ug/L	09:09:56
2	Mg 279.071†	12739.5	13702.3	24.2112	mg/L	24.2112	mg/L	09:10:16
2	Na 589.592†	293230.0	316157.0	42.6807	mg/L	42.6807	mg/L	09:09:56
2	Sr 407.771†	540955.0	583525.9	617.642	ug/L	617.642	ug/L	09:09:56
2	Ti 334.940†	8122.6	8778.4	391.839	ug/L	391.839	ug/L	09:10:16
2	Y 360.076	269124.2	269124.2	92.2280	%			09:10:48
2	Ag 328.068†	21212.7	22947.8	382.948	ug/L	382.948	ug/L	09:10:48
2	As 188.979†	567.6	629.9	1912.73	ug/L	1912.73	ug/L	09:11:08
2	B 249.677†	8026.9	7563.5	416.269	ug/L	416.269	ug/L	09:10:48
2	Be 234.861†	4193.9	4999.2	37.6798	ug/L	37.6798	ug/L	09:11:08
2	Cd 214.437†	3904.4	4026.6	374.594	ug/L	374.594	ug/L	09:11:08
2	Ce 413.764†	1810.5	213.8	4.79751	ug/L	4.79751	ug/L	09:10:48
2	Co 228.616†	1384.2	1527.4	377.608	ug/L	377.608	ug/L	09:11:08
2	Cr 205.557†	1672.5	1821.3	382.415	ug/L	382.415	ug/L	09:11:08
2	Cu 327.397†	12619.4	13460.6	395.422	ug/L	395.422	ug/L	09:10:48
2	Mn 257.610†	38879.6	41928.7	376.346	ug/L	376.346	ug/L	09:10:48

2	Mo 202.031†	1406.7	1490.9	408.375 ug/L	408.375 ug/L	09:11:08
2	Ni 231.604†	3114.3	3335.5	374.114 ug/L	374.114 ug/L	09:11:08
2	Pb 220.353†	390.5	409.5	378.996 ug/L	378.996 ug/L	09:11:08
2	Sb 217.584†	1354.9	1496.8	1936.16 ug/L	1936.16 ug/L	09:11:08
2	Se 196.026†	571.0	607.4	1830.80 ug/L	1830.80 ug/L	09:11:08
2	Si 251.611†	142662.4	154525.6	16135.1 ug/L	16135.1 ug/L	09:10:48
2	Sn 189.927†	1634.2	1787.3	1948.25 ug/L	1948.25 ug/L	09:11:08
2	Tl 190.801†	694.6	764.3	1933.51 ug/L	1933.51 ug/L	09:11:08
2	V 292.395†	14347.1	16085.3	393.394 ug/L	393.394 ug/L	09:10:48
2	Zn 206.200†	1182.4	1295.4	372.891 ug/L	372.891 ug/L	09:11:08

Mean Data: 1205037-MSD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	377332.4	92.8813	%	0.40039				0.43%
Y 360.076	269409.2	92.3257	%	0.13815				0.15%
Ag 328.068†	22981.7	383.510	ug/L	0.7955	383.510	ug/L	0.7955	0.21%
Al 396.153†	8128.6	1860.50	ug/L	27.844	1860.50	ug/L	27.844	1.50%
As 188.979†	627.8	1906.28	ug/L	9.119	1906.28	ug/L	9.119	0.48%
B 249.677†	7564.7	416.333	ug/L	0.0904	416.333	ug/L	0.0904	0.02%
Ba 455.398†	174834.7	512.317	ug/L	7.0641	512.317	ug/L	7.0641	1.38%
Be 234.861†	4987.4	37.5915	ug/L	0.12483	37.5915	ug/L	0.12483	0.33%
Ca 315.887†	83913.1	52.6591	mg/L	0.78843	52.6591	mg/L	0.78843	1.50%
Cd 214.437†	4023.6	374.311	ug/L	0.4004	374.311	ug/L	0.4004	0.11%
Ce 413.764†	151.4	3.13158	ug/L	2.355981	3.13158	ug/L	2.355981	75.23%
Co 228.616†	1525.9	377.251	ug/L	0.5057	377.251	ug/L	0.5057	0.13%
Cr 205.557†	1819.2	381.973	ug/L	0.6260	381.973	ug/L	0.6260	0.16%
Cu 327.397†	13435.2	394.682	ug/L	1.0479	394.682	ug/L	1.0479	0.27%
Fe 238.204†	1039.6	383.369	ug/L	0.4118	383.369	ug/L	0.4118	0.11%
K 766.490	30604.6	19.9073	mg/L	0.15992	19.9073	mg/L	0.15992	0.80%
Li 670.784†	23378.0	399.210	ug/L	4.9406	399.210	ug/L	4.9406	1.24%
Mg 279.071†	13662.8	24.1414	mg/L	0.09866	24.1414	mg/L	0.09866	0.41%
Mn 257.610†	41882.3	375.931	ug/L	0.5872	375.931	ug/L	0.5872	0.16%
Mo 202.031†	1483.6	406.373	ug/L	2.8317	406.373	ug/L	2.8317	0.70%
Na 589.592†	313365.2	42.3040	mg/L	0.53276	42.3040	mg/L	0.53276	1.26%
Ni 231.604†	3330.1	373.511	ug/L	0.8529	373.511	ug/L	0.8529	0.23%
Pb 220.353†	410.0	379.410	ug/L	0.5858	379.410	ug/L	0.5858	0.15%
Sb 217.584†	1490.1	1927.51	ug/L	12.237	1927.51	ug/L	12.237	0.63%
Se 196.026†	604.8	1822.97	ug/L	11.083	1822.97	ug/L	11.083	0.61%
Si 251.611†	154467.6	16129.1	ug/L	8.51	16129.1	ug/L	8.51	0.05%
Sn 189.927†	1789.0	1950.04	ug/L	2.528	1950.04	ug/L	2.528	0.13%
Sr 407.771†	577649.6	611.448	ug/L	8.7609	611.448	ug/L	8.7609	1.43%
Ti 334.940†	8755.3	390.815	ug/L	1.4494	390.815	ug/L	1.4494	0.37%
Tl 190.801†	761.1	1925.53	ug/L	11.290	1925.53	ug/L	11.290	0.59%
V 292.395†	16116.6	394.104	ug/L	1.0043	394.104	ug/L	1.0043	0.25%
Zn 206.200†	1290.9	371.623	ug/L	1.7926	371.623	ug/L	1.7926	0.48%

Sequence No.: 29
Sample ID: 2D25001-SRD2
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 29
Date Collected: 4/25/2012 9:12:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-SRD2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	393272.8	393272.8	96.8051	%			09:13:26
1	Al 396.153†	48.6	103.9	17.2474	ug/L	86.2368	ug/L	09:13:31
1	Ba 455.398†	9186.8	9126.3	28.5372	ug/L	142.686	ug/L	09:13:31
1	Ca 315.887†	11031.3	11386.2	7.15154	mg/L	35.7577	mg/L	09:13:31
1	Fe 238.204†	35.3	7.7	5.12555	ug/L	25.6277	ug/L	09:13:51
1	K 766.490	416.0	695.6	0.447309	mg/L	2.23654	mg/L	09:13:31
1	Li 670.784†	41.9	171.7	4.32394	ug/L	21.6197	ug/L	09:13:31
1	Mg 279.071†	624.1	589.2	1.06270	mg/L	5.31350	mg/L	09:13:51
1	Na 589.592†	34565.2	35193.8	4.76866	mg/L	23.8433	mg/L	09:13:31
1	Sr 407.771†	44727.0	45533.1	49.9973	ug/L	249.986	ug/L	09:13:31
1	Ti 334.940†	0.7	7.3	2.81537	ug/L	14.0768	ug/L	09:13:51
1	Y 360.076	285387.3	285387.3	97.8013	%			09:14:27

1	Ag 328.068†	90.3	39.9	2.56690 ug/L	12.8345 ug/L	09:14:27
1	As 188.979†	-9.7	4.6	14.2972 ug/L	71.4859 ug/L	09:14:47
1	B 249.677†	1006.5	-110.7	-6.49372 ug/L	-32.4686 ug/L	09:14:47
1	Be 234.861†	-449.6	-7.8	0.129550 ug/L	0.647751 ug/L	09:14:47
1	Cd 214.437†	209.0	7.0	1.69161 ug/L	8.45807 ug/L	09:14:47
1	Ce 413.764†	1720.7	10.1	0.148901 ug/L	0.744505 ug/L	09:14:27
1	Co 228.616†	-29.5	-3.7	0.612752 ug/L	3.06376 ug/L	09:14:47
1	Cr 205.557†	-0.2	7.7	2.23710 ug/L	11.1855 ug/L	09:14:47
1	Cu 327.397†	301.2	85.8	5.75980 ug/L	28.7990 ug/L	09:14:27
1	Mn 257.610†	254.4	33.0	1.82375 ug/L	9.11876 ug/L	09:14:47
1	Mo 202.031†	45.1	11.8	4.52017 ug/L	22.6008 ug/L	09:14:47
1	Ni 231.604†	55.3	15.3	2.44418 ug/L	12.2209 ug/L	09:14:47
1	Pb 220.353†	23.8	10.4	8.58729 ug/L	42.9364 ug/L	09:14:47
1	Sb 217.584†	-29.5	-2.4	0.384980 ug/L	1.92490 ug/L	09:14:47
1	Se 196.026†	4.2	-7.4	-6.23719 ug/L	-31.1859 ug/L	09:14:47
1	Si 251.611†	23642.6	24015.4	2507.78 ug/L	12538.9 ug/L	09:14:27
1	Sn 189.927†	-9.5	5.7	10.8641 ug/L	54.3205 ug/L	09:14:47
1	Tl 190.801†	-11.1	-0.2	26.7988 ug/L	133.994 ug/L	09:14:47
1	V 292.395†	-470.4	48.2	3.02671 ug/L	15.1336 ug/L	09:14:27
1	Zn 206.200†	-3.3	9.9	3.56354 ug/L	17.8177 ug/L	09:14:47
2	Sc 357.234	399620.9	399620.9	98.3677 %		09:13:56
2	Al 396.153†	60.1	114.8	19.6644 ug/L	98.3220 ug/L	09:14:01
2	Ba 455.398†	9289.0	9079.5	28.4005 ug/L	142.002 ug/L	09:14:01
2	Ca 315.887†	11108.4	11283.6	7.08715 mg/L	35.4358 mg/L	09:14:01
2	Fe 238.204†	29.3	1.1	2.69067 ug/L	13.4533 ug/L	09:14:21
2	K 766.490	446.5	726.2	0.467177 mg/L	2.33589 mg/L	09:14:01
2	Li 670.784†	32.9	161.9	4.15635 ug/L	20.7818 ug/L	09:14:01
2	Mg 279.071†	626.6	581.6	1.04915 mg/L	5.24573 mg/L	09:14:21
2	Na 589.592†	34848.2	34914.3	4.73095 mg/L	23.6547 mg/L	09:14:01
2	Sr 407.771†	45122.9	45201.6	49.6510 ug/L	248.255 ug/L	09:14:01
2	Ti 334.940†	-2.7	3.8	2.65915 ug/L	13.2957 ug/L	09:14:21
2	Y 360.076	285887.7	285887.7	97.9729 %		09:14:52
2	Ag 328.068†	51.5	0.2	1.90704 ug/L	9.53521 ug/L	09:14:52
2	As 188.979†	-11.2	3.0	9.60286 ug/L	48.0143 ug/L	09:15:12
2	B 249.677†	996.8	-122.4	-7.14686 ug/L	-35.7343 ug/L	09:15:12
2	Be 234.861†	-450.5	-7.9	0.129696 ug/L	0.648478 ug/L	09:15:12
2	Cd 214.437†	203.8	1.3	1.16420 ug/L	5.82102 ug/L	09:15:12
2	Ce 413.764†	1718.6	4.9	0.0101792 ug/L	0.0508960 ug/L	09:14:52
2	Co 228.616†	-25.5	0.5	1.64544 ug/L	8.22719 ug/L	09:15:12
2	Cr 205.557†	-7.5	0.2	0.674426 ug/L	3.37213 ug/L	09:15:12
2	Cu 327.397†	300.8	84.8	5.73202 ug/L	28.6601 ug/L	09:14:52
2	Mn 257.610†	248.6	26.6	1.76676 ug/L	8.83379 ug/L	09:15:12
2	Mo 202.031†	52.5	19.3	6.56918 ug/L	32.8459 ug/L	09:15:12
2	Ni 231.604†	48.2	7.9	1.62115 ug/L	8.10576 ug/L	09:15:12
2	Pb 220.353†	23.2	9.7	7.98318 ug/L	39.9159 ug/L	09:15:12
2	Sb 217.584†	-26.2	1.0	4.71446 ug/L	23.5723 ug/L	09:15:12
2	Se 196.026†	6.4	-5.1	0.754370 ug/L	3.77185 ug/L	09:15:12
2	Si 251.611†	23785.1	24118.4	2518.55 ug/L	12592.7 ug/L	09:14:52
2	Sn 189.927†	-14.8	0.4	5.03679 ug/L	25.1840 ug/L	09:15:12
2	Tl 190.801†	-12.9	-2.1	22.1696 ug/L	110.848 ug/L	09:15:12
2	V 292.395†	-456.6	63.2	3.42459 ug/L	17.1229 ug/L	09:14:52
2	Zn 206.200†	-2.6	10.7	3.76939 ug/L	18.8470 ug/L	09:15:12

Mean Data: 2D25001-SRD2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	396446.8	97.5864	%	1.10491				1.13%
Y 360.076	285637.5	97.8871	%	0.12128				0.12%
Ag 328.068†	20.0	2.23697	ug/L	0.466591	11.1849	ug/L	2.33295	20.86%
Al 396.153†	109.4	18.4559	ug/L	1.70910	92.2794	ug/L	8.54551	9.26%
As 188.979†	3.8	11.9500	ug/L	3.31938	59.7501	ug/L	16.59691	27.78%
B 249.677†	-116.5	-6.82029	ug/L	0.461841	-34.1014	ug/L	2.30921	6.77%
Ba 455.398†	9102.9	28.4689	ug/L	0.09669	142.344	ug/L	0.4835	0.34%
Be 234.861†	-7.9	0.129623	ug/L	0.0001027	0.648114	ug/L	0.0005136	0.08%
Ca 315.887†	11334.9	7.11935	mg/L	0.045530	35.5967	mg/L	0.22765	0.64%
Cd 214.437†	4.1	1.42791	ug/L	0.372935	7.13954	ug/L	1.864676	26.12%
Ce 413.764†	7.5	0.0795401	ug/L	0.09809111	0.397700	ug/L	0.4904555	123.32%
Co 228.616†	-1.6	1.12909	ug/L	0.730218	5.64547	ug/L	3.651092	64.67%
Cr 205.557†	4.0	1.45576	ug/L	1.104978	7.27881	ug/L	5.524889	75.90%
Cu 327.397†	85.3	5.74591	ug/L	0.019641	28.7296	ug/L	0.09820	0.34%

Fe 238.204†	4.4	3.90811 ug/L	1.721720	19.5405 ug/L	8.60860	44.06%
K 766.490	710.9	0.457243 mg/L	0.0140494	2.28621 mg/L	0.070247	3.07%
Li 670.784†	166.8	4.24015 ug/L	0.118505	21.2007 ug/L	0.59252	2.79%
Mg 279.071†	585.4	1.05592 mg/L	0.009584	5.27961 mg/L	0.047921	0.91%
Mn 257.610†	29.8	1.79526 ug/L	0.040301	8.97628 ug/L	0.201506	2.24%
Mo 202.031†	15.6	5.54467 ug/L	1.448869	27.7234 ug/L	7.24434	26.13%
Na 589.592†	35054.0	4.74981 mg/L	0.026670	23.7490 mg/L	0.13335	0.56%
Ni 231.604†	11.6	2.03267 ug/L	0.581970	10.1633 ug/L	2.90985	28.63%
Pb 220.353†	10.1	8.28523 ug/L	0.427167	41.4262 ug/L	2.13583	5.16%
Sb 217.584†	-0.7	2.54972 ug/L	3.061402	12.7486 ug/L	15.30701	120.07%
Se 196.026†	-6.3	-2.74141 ug/L	4.943778	-13.7070 ug/L	24.71889	180.34%
Si 251.611†	24066.9	2513.17 ug/L	7.610	12565.8 ug/L	38.05	0.30%
Sn 189.927†	3.0	7.95045 ug/L	4.120535	39.7522 ug/L	20.60267	51.83%
Sr 407.771†	45367.4	49.8241 ug/L	0.24487	249.121 ug/L	1.2243	0.49%
Ti 334.940†	5.5	2.73726 ug/L	0.110465	13.6863 ug/L	0.55232	4.04%
Tl 190.801†	-1.1	24.4842 ug/L	3.27334	122.421 ug/L	16.3667	13.37%
V 292.395†	55.7	3.22565 ug/L	0.281343	16.1282 ug/L	1.40671	8.72%
Zn 206.200†	10.3	3.66647 ug/L	0.145559	18.3323 ug/L	0.72780	3.97%

Sequence No.: 30 **Autosampler Location: 30**
Sample ID: 1205037-PS1 **Date Collected: 4/25/2012 9:16:27 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1205037-PS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	387638.7	387638.7	95.4182	%			09:17:33
1	Al 396.153†	5221.5	5525.9	1267.07	ug/L	1267.07	ug/L	09:17:33
1	Ba 455.398†	128352.9	134152.5	393.546	ug/L	393.546	ug/L	09:17:33
1	Ca 315.887†	72738.6	76222.2	47.8334	mg/L	47.8334	mg/L	09:17:33
1	Fe 238.204†	706.8	712.1	263.311	ug/L	263.311	ug/L	09:17:53
1	K 766.490	22386.6	22666.3	14.7423	mg/L	14.7423	mg/L	09:17:33
1	Li 670.784†	15384.0	16251.2	277.937	ug/L	277.937	ug/L	09:17:33
1	Mg 279.071†	9674.2	10083.3	17.8225	mg/L	17.8225	mg/L	09:17:33
1	Na 589.592†	258274.3	270163.9	36.4746	mg/L	36.4746	mg/L	09:17:33
1	Sr 407.771†	447618.0	468441.5	495.779	ug/L	495.779	ug/L	09:17:33
1	Ti 334.940†	5635.1	5912.2	264.717	ug/L	264.717	ug/L	09:17:53
1	Y 360.076	277161.8	277161.8	94.9825	%			09:18:24
1	Ag 328.068†	14561.0	15277.8	255.595	ug/L	255.595	ug/L	09:18:24
1	As 188.979†	387.2	422.1	1281.98	ug/L	1281.98	ug/L	09:18:44
1	B 249.677†	5946.8	5121.1	281.726	ug/L	281.726	ug/L	09:18:24
1	Be 234.861†	2804.5	3404.5	25.7205	ug/L	25.7205	ug/L	09:18:44
1	Cd 214.437†	2817.2	2759.3	257.023	ug/L	257.023	ug/L	09:18:44
1	Ce 413.764†	1770.8	115.1	2.24694	ug/L	2.24694	ug/L	09:18:24
1	Co 228.616†	958.3	1035.4	256.487	ug/L	256.487	ug/L	09:18:44
1	Cr 205.557†	1177.6	1247.7	262.027	ug/L	262.027	ug/L	09:18:44
1	Cu 327.397†	8848.8	9094.0	268.208	ug/L	268.208	ug/L	09:18:24
1	Mn 257.610†	27355.5	28573.4	256.957	ug/L	256.957	ug/L	09:18:24
1	Mo 202.031†	1001.7	1020.4	279.898	ug/L	279.898	ug/L	09:18:44
1	Ni 231.604†	2201.8	2276.9	255.615	ug/L	255.615	ug/L	09:18:44
1	Pb 220.353†	285.2	286.4	264.680	ug/L	264.680	ug/L	09:18:44
1	Sb 217.584†	909.2	985.0	1275.34	ug/L	1275.34	ug/L	09:18:44
1	Se 196.026†	406.2	416.0	1258.91	ug/L	1258.91	ug/L	09:18:44
1	Si 251.611†	129896.3	136599.3	14266.1	ug/L	14266.1	ug/L	09:18:24
1	Sn 189.927†	1114.2	1188.4	1296.99	ug/L	1296.99	ug/L	09:18:44
1	Tl 190.801†	486.7	523.5	1333.09	ug/L	1333.09	ug/L	09:18:44
1	V 292.395†	10070.9	11132.1	272.759	ug/L	272.759	ug/L	09:18:24
1	Zn 206.200†	849.3	907.4	261.433	ug/L	261.433	ug/L	09:18:44
2	Sc 357.234	392156.2	392156.2	96.5302	%			09:17:58
2	Al 396.153†	5308.3	5552.8	1273.21	ug/L	1273.21	ug/L	09:17:58
2	Ba 455.398†	130072.8	134384.6	394.224	ug/L	394.224	ug/L	09:17:58
2	Ca 315.887†	73331.0	75957.7	47.6674	mg/L	47.6674	mg/L	09:17:58
2	Fe 238.204†	718.4	715.5	264.585	ug/L	264.585	ug/L	09:18:18
2	K 766.490	22649.2	22928.9	14.9132	mg/L	14.9132	mg/L	09:17:58
2	Li 670.784†	15588.2	16277.0	278.376	ug/L	278.376	ug/L	09:17:58
2	Mg 279.071†	9750.0	10045.0	17.7550	mg/L	17.7550	mg/L	09:17:58
2	Na 589.592†	261302.6	270182.9	36.4771	mg/L	36.4771	mg/L	09:17:58

2	Sr 407.771†	453647.0	469283.2	496.690 ug/L	496.690 ug/L	09:17:58
2	Ti 334.940†	5678.8	5889.4	263.704 ug/L	263.704 ug/L	09:18:18
2	Y 360.076	280005.2	280005.2	95.9569 %		09:18:50
2	Ag 328.068†	14710.7	15278.1	255.600 ug/L	255.600 ug/L	09:18:50
2	As 188.979†	398.5	429.8	1305.20 ug/L	1305.20 ug/L	09:19:10
2	B 249.677†	6079.9	5196.2	285.885 ug/L	285.885 ug/L	09:18:50
2	Be 234.861†	2840.5	3412.0	25.7762 ug/L	25.7762 ug/L	09:19:10
2	Cd 214.437†	2827.1	2739.5	255.185 ug/L	255.185 ug/L	09:19:10
2	Ce 413.764†	1791.4	117.7	2.32017 ug/L	2.32017 ug/L	09:18:50
2	Co 228.616†	959.8	1026.7	254.337 ug/L	254.337 ug/L	09:19:10
2	Cr 205.557†	1188.7	1246.7	261.825 ug/L	261.825 ug/L	09:19:10
2	Cu 327.397†	8980.6	9136.8	269.451 ug/L	269.451 ug/L	09:18:50
2	Mn 257.610†	27736.2	28677.7	257.890 ug/L	257.890 ug/L	09:18:50
2	Mo 202.031†	993.8	1001.5	274.728 ug/L	274.728 ug/L	09:19:10
2	Ni 231.604†	2210.9	2262.8	254.028 ug/L	254.028 ug/L	09:19:10
2	Pb 220.353†	278.9	276.7	255.766 ug/L	255.766 ug/L	09:19:10
2	Sb 217.584†	910.2	976.3	1264.10 ug/L	1264.10 ug/L	09:19:10
2	Se 196.026†	412.8	418.5	1266.49 ug/L	1266.49 ug/L	09:19:10
2	Si 251.611†	132049.3	137454.3	14355.5 ug/L	14355.5 ug/L	09:18:50
2	Sn 189.927†	1115.0	1177.4	1285.02 ug/L	1285.02 ug/L	09:19:10
2	Tl 190.801†	495.8	527.8	1343.73 ug/L	1343.73 ug/L	09:19:10
2	V 292.395†	10148.5	11105.3	272.022 ug/L	272.022 ug/L	09:18:50
2	Zn 206.200†	856.2	905.6	260.896 ug/L	260.896 ug/L	09:19:10

Mean Data: 1205037-PS1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	389897.4	95.9742	%	0.78629				0.82%
Y 360.076	278583.5	95.4697	%	0.68901				0.72%
Ag 328.068†	15277.9	255.597	ug/L	0.0034	255.597	ug/L	0.0034	0.00%
Al 396.153†	5539.3	1270.14	ug/L	4.339	1270.14	ug/L	4.339	0.34%
As 188.979†	426.0	1293.59	ug/L	16.422	1293.59	ug/L	16.422	1.27%
B 249.677†	5158.7	283.806	ug/L	2.9405	283.806	ug/L	2.9405	1.04%
Ba 455.398†	134268.5	393.885	ug/L	0.4793	393.885	ug/L	0.4793	0.12%
Be 234.861†	3408.2	25.7484	ug/L	0.03934	25.7484	ug/L	0.03934	0.15%
Ca 315.887†	76089.9	47.7504	mg/L	0.11734	47.7504	mg/L	0.11734	0.25%
Cd 214.437†	2749.4	256.104	ug/L	1.2997	256.104	ug/L	1.2997	0.51%
Ce 413.764†	116.4	2.28356	ug/L	0.051781	2.28356	ug/L	0.051781	2.27%
Co 228.616†	1031.1	255.412	ug/L	1.5202	255.412	ug/L	1.5202	0.60%
Cr 205.557†	1247.2	261.926	ug/L	0.1425	261.926	ug/L	0.1425	0.05%
Cu 327.397†	9115.4	268.830	ug/L	0.8787	268.830	ug/L	0.8787	0.33%
Fe 238.204†	713.8	263.948	ug/L	0.9006	263.948	ug/L	0.9006	0.34%
K 766.490	22797.6	14.8277	mg/L	0.12084	14.8277	mg/L	0.12084	0.81%
Li 670.784†	16264.1	278.157	ug/L	0.3105	278.157	ug/L	0.3105	0.11%
Mg 279.071†	10064.2	17.7888	mg/L	0.04778	17.7888	mg/L	0.04778	0.27%
Mn 257.610†	28625.5	257.424	ug/L	0.6598	257.424	ug/L	0.6598	0.26%
Mo 202.031†	1010.9	277.313	ug/L	3.6555	277.313	ug/L	3.6555	1.32%
Na 589.592†	270173.4	36.4759	mg/L	0.00182	36.4759	mg/L	0.00182	0.00%
Ni 231.604†	2269.9	254.821	ug/L	1.1216	254.821	ug/L	1.1216	0.44%
Pb 220.353†	281.6	260.223	ug/L	6.3034	260.223	ug/L	6.3034	2.42%
Sb 217.584†	980.7	1269.72	ug/L	7.949	1269.72	ug/L	7.949	0.63%
Se 196.026†	417.3	1262.70	ug/L	5.361	1262.70	ug/L	5.361	0.42%
Si 251.611†	137026.8	14310.8	ug/L	63.24	14310.8	ug/L	63.24	0.44%
Sn 189.927†	1182.9	1291.01	ug/L	8.461	1291.01	ug/L	8.461	0.66%
Sr 407.771†	468862.4	496.234	ug/L	0.6444	496.234	ug/L	0.6444	0.13%
Ti 334.940†	5900.8	264.211	ug/L	0.7163	264.211	ug/L	0.7163	0.27%
Tl 190.801†	525.7	1338.41	ug/L	7.529	1338.41	ug/L	7.529	0.56%
V 292.395†	11118.7	272.390	ug/L	0.5211	272.390	ug/L	0.5211	0.19%
Zn 206.200†	906.5	261.165	ug/L	0.3800	261.165	ug/L	0.3800	0.15%

Sequence No.: 31
Sample ID: 2D25001-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 4/25/2012 9:20:23 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-CCV

	Net	Corrected	Calib.	Sample	Analysis

Repl#	Analyte	Intensity	Intensity	Conc.	Units	Conc.	Units	Time
1	Sc 357.234	402031.1	402031.1	98.9610	%			09:21:29
1	Al 396.153†	10698.2	10864.2	2461.17	ug/L	2461.17	ug/L	09:21:29
1	Ba 455.398†	164585.5	165949.9	486.377	ug/L	486.377	ug/L	09:21:29
1	Ca 315.887†	7575.0	7645.4	4.80436	mg/L	4.80436	mg/L	09:21:49
1	Fe 238.204†	1331.9	1317.2	485.132	ug/L	485.132	ug/L	09:21:49
1	K 766.490	7271.0	7550.6	4.90745	mg/L	4.90745	mg/L	09:21:29
1	Li 670.784†	28277.0	28702.3	489.809	ug/L	489.809	ug/L	09:21:29
1	Mg 279.071†	2784.7	2758.5	4.89213	mg/L	4.89213	mg/L	09:21:49
1	Na 589.592†	36346.3	36215.8	4.90656	mg/L	4.90656	mg/L	09:21:29
1	Sr 407.771†	449289.4	453336.6	483.913	ug/L	483.913	ug/L	09:21:29
1	Ti 334.940†	10791.8	10911.6	486.455	ug/L	486.455	ug/L	09:21:49
1	Y 360.076	287918.9	287918.9	98.6689	%			09:22:20
1	Ag 328.068†	28982.6	29321.2	488.775	ug/L	488.775	ug/L	09:22:20
1	As 188.979†	771.7	796.6	2418.98	ug/L	2418.98	ug/L	09:22:40
1	B 249.677†	9465.1	8453.0	465.026	ug/L	465.026	ug/L	09:22:20
1	Be 234.861†	5913.7	6445.3	48.5239	ug/L	48.5239	ug/L	09:22:40
1	Cd 214.437†	5313.6	5178.5	481.440	ug/L	481.440	ug/L	09:22:40
1	Ce 413.764†	1691.9	-34.5	-1.04646	ug/L	-1.04646	ug/L	09:22:20
1	Co 228.616†	1916.8	1969.1	486.409	ug/L	486.409	ug/L	09:22:40
1	Cr 205.557†	2278.4	2317.0	487.222	ug/L	487.222	ug/L	09:22:40
1	Cu 327.397†	16602.8	16604.6	487.027	ug/L	487.027	ug/L	09:22:20
1	Mn 257.610†	53505.5	54000.1	484.257	ug/L	484.257	ug/L	09:22:20
1	Mo 202.031†	1788.9	1778.7	486.955	ug/L	486.955	ug/L	09:22:40
1	Ni 231.604†	4338.8	4356.1	488.275	ug/L	488.275	ug/L	09:22:40
1	Pb 220.353†	533.8	527.1	488.016	ug/L	488.016	ug/L	09:22:40
1	Sb 217.584†	1843.5	1896.1	2451.79	ug/L	2451.79	ug/L	09:22:40
1	Se 196.026†	804.6	803.8	2417.62	ug/L	2417.62	ug/L	09:22:40
1	Si 251.611†	24210.2	24378.0	2527.65	ug/L	2527.65	ug/L	09:22:20
1	Sn 189.927†	2194.7	2239.7	2440.18	ug/L	2440.18	ug/L	09:22:40
1	Tl 190.801†	932.0	955.7	2410.79	ug/L	2410.79	ug/L	09:22:40
1	V 292.395†	19508.0	20300.4	495.475	ug/L	495.475	ug/L	09:22:20
1	Zn 206.200†	1630.7	1665.9	479.378	ug/L	479.378	ug/L	09:22:40
2	Sc 357.234	401417.9	401417.9	98.8100	%			09:21:54
2	Al 396.153†	10755.6	10938.9	2478.19	ug/L	2478.19	ug/L	09:21:54
2	Ba 455.398†	164996.7	166620.1	488.334	ug/L	488.334	ug/L	09:21:54
2	Ca 315.887†	7610.1	7692.6	4.83394	mg/L	4.83394	mg/L	09:22:14
2	Fe 238.204†	1329.7	1317.0	485.054	ug/L	485.054	ug/L	09:22:14
2	K 766.490	7257.3	7537.0	4.89856	mg/L	4.89856	mg/L	09:21:54
2	Li 670.784†	28416.4	28887.1	492.953	ug/L	492.953	ug/L	09:21:54
2	Mg 279.071†	2783.3	2761.4	4.89714	mg/L	4.89714	mg/L	09:22:14
2	Na 589.592†	36525.3	36453.0	4.93858	mg/L	4.93858	mg/L	09:21:54
2	Sr 407.771†	451645.0	456414.2	487.183	ug/L	487.183	ug/L	09:21:54
2	Ti 334.940†	10786.6	10923.0	486.960	ug/L	486.960	ug/L	09:22:14
2	Y 360.076	287678.1	287678.1	98.5864	%			09:22:46
2	Ag 328.068†	28883.8	29245.5	487.519	ug/L	487.519	ug/L	09:22:46
2	As 188.979†	769.0	794.6	2412.64	ug/L	2412.64	ug/L	09:23:06
2	B 249.677†	9515.6	8512.2	468.303	ug/L	468.303	ug/L	09:22:46
2	Be 234.861†	5899.7	6436.2	48.4550	ug/L	48.4550	ug/L	09:23:06
2	Cd 214.437†	5318.2	5187.7	482.288	ug/L	482.288	ug/L	09:23:06
2	Ce 413.764†	1717.8	-6.9	-0.303549	ug/L	-0.303549	ug/L	09:22:46
2	Co 228.616†	1910.8	1964.6	485.312	ug/L	485.312	ug/L	09:23:06
2	Cr 205.557†	2277.5	2318.1	487.443	ug/L	487.443	ug/L	09:23:06
2	Cu 327.397†	16612.3	16628.4	487.718	ug/L	487.718	ug/L	09:22:46
2	Mn 257.610†	53516.8	54056.9	484.765	ug/L	484.765	ug/L	09:22:46
2	Mo 202.031†	1790.6	1782.0	487.852	ug/L	487.852	ug/L	09:23:06
2	Ni 231.604†	4351.4	4372.6	490.121	ug/L	490.121	ug/L	09:23:06
2	Pb 220.353†	521.8	515.4	477.179	ug/L	477.179	ug/L	09:23:06
2	Sb 217.584†	1835.5	1889.5	2443.33	ug/L	2443.33	ug/L	09:23:06
2	Se 196.026†	810.0	810.0	2435.98	ug/L	2435.98	ug/L	09:23:06
2	Si 251.611†	24165.4	24353.1	2525.03	ug/L	2525.03	ug/L	09:22:46
2	Sn 189.927†	2192.9	2239.8	2440.26	ug/L	2440.26	ug/L	09:23:06
2	Tl 190.801†	925.2	949.6	2395.64	ug/L	2395.64	ug/L	09:23:06
2	V 292.395†	19492.3	20301.0	495.505	ug/L	495.505	ug/L	09:22:46
2	Zn 206.200†	1627.3	1663.9	478.783	ug/L	478.783	ug/L	09:23:06

Mean Data: 2D25001-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	401724.5	98.8855	%	0.10674				0.11%

Y 360.076	287798.5	98.6277 %	0.05834			0.06%
Ag 328.068†	29283.4	488.147 ug/L	0.8879	488.147 ug/L	0.8879	0.18%
QC value within limits for Ag 328.068 Recovery = 97.63%						
Al 396.153†	10901.5	2469.68 ug/L	12.039	2469.68 ug/L	12.039	0.49%
QC value within limits for Al 396.153 Recovery = 98.79%						
As 188.979†	795.6	2415.81 ug/L	4.482	2415.81 ug/L	4.482	0.19%
QC value within limits for As 188.979 Recovery = 96.63%						
B 249.677†	8482.6	466.664 ug/L	2.3166	466.664 ug/L	2.3166	0.50%
QC value within limits for B 249.677 Recovery = 93.33%						
Ba 455.398†	166285.0	487.356 ug/L	1.3837	487.356 ug/L	1.3837	0.28%
QC value within limits for Ba 455.398 Recovery = 97.47%						
Be 234.861†	6440.7	48.4895 ug/L	0.04872	48.4895 ug/L	0.04872	0.10%
QC value within limits for Be 234.861 Recovery = 96.98%						
Ca 315.887†	7669.0	4.81915 mg/L	0.020916	4.81915 mg/L	0.020916	0.43%
QC value within limits for Ca 315.887 Recovery = 96.38%						
Cd 214.437†	5183.1	481.864 ug/L	0.5999	481.864 ug/L	0.5999	0.12%
QC value within limits for Cd 214.437 Recovery = 96.37%						
Ce 413.764†	-20.7	-0.675006 ug/L	0.5253197	-0.675006 ug/L	0.5253197	77.82%
Co 228.616†	1966.9	485.860 ug/L	0.7763	485.860 ug/L	0.7763	0.16%
QC value within limits for Co 228.616 Recovery = 97.17%						
Cr 205.557†	2317.5	487.332 ug/L	0.1561	487.332 ug/L	0.1561	0.03%
QC value within limits for Cr 205.557 Recovery = 97.47%						
Cu 327.397†	16616.5	487.373 ug/L	0.4884	487.373 ug/L	0.4884	0.10%
QC value within limits for Cu 327.397 Recovery = 97.47%						
Fe 238.204†	1317.1	485.093 ug/L	0.0551	485.093 ug/L	0.0551	0.01%
QC value within limits for Fe 238.204 Recovery = 97.02%						
K 766.490	7543.8	4.90300 mg/L	0.006283	4.90300 mg/L	0.006283	0.13%
QC value within limits for K 766.490 Recovery = 98.06%						
Li 670.784†	28794.7	491.381 ug/L	2.2231	491.381 ug/L	2.2231	0.45%
QC value within limits for Li 670.784 Recovery = 98.28%						
Mg 279.071†	2759.9	4.89463 mg/L	0.003541	4.89463 mg/L	0.003541	0.07%
QC value within limits for Mg 279.071 Recovery = 97.89%						
Mn 257.610†	54028.5	484.511 ug/L	0.3591	484.511 ug/L	0.3591	0.07%
QC value within limits for Mn 257.610 Recovery = 96.90%						
Mo 202.031†	1780.4	487.403 ug/L	0.6346	487.403 ug/L	0.6346	0.13%
QC value within limits for Mo 202.031 Recovery = 97.48%						
Na 589.592†	36334.4	4.92257 mg/L	0.022638	4.92257 mg/L	0.022638	0.46%
QC value within limits for Na 589.592 Recovery = 98.45%						
Ni 231.604†	4364.3	489.198 ug/L	1.3051	489.198 ug/L	1.3051	0.27%
QC value within limits for Ni 231.604 Recovery = 97.84%						
Pb 220.353†	521.3	482.597 ug/L	7.6625	482.597 ug/L	7.6625	1.59%
QC value within limits for Pb 220.353 Recovery = 96.52%						
Sb 217.584†	1892.8	2447.56 ug/L	5.987	2447.56 ug/L	5.987	0.24%
QC value within limits for Sb 217.584 Recovery = 97.90%						
Se 196.026†	806.9	2426.80 ug/L	12.984	2426.80 ug/L	12.984	0.54%
QC value within limits for Se 196.026 Recovery = 97.07%						
Si 251.611†	24365.6	2526.34 ug/L	1.855	2526.34 ug/L	1.855	0.07%
QC value within limits for Si 251.611 Recovery = 101.05%						
Sn 189.927†	2239.8	2440.22 ug/L	0.056	2440.22 ug/L	0.056	0.00%
QC value within limits for Sn 189.927 Recovery = 97.61%						
Sr 407.771†	454875.4	485.548 ug/L	2.3123	485.548 ug/L	2.3123	0.48%
QC value within limits for Sr 407.771 Recovery = 97.11%						
Ti 334.940†	10917.3	486.708 ug/L	0.3570	486.708 ug/L	0.3570	0.07%
QC value within limits for Ti 334.940 Recovery = 97.34%						
Tl 190.801†	952.6	2403.21 ug/L	10.717	2403.21 ug/L	10.717	0.45%
QC value within limits for Tl 190.801 Recovery = 96.13%						
V 292.395†	20300.7	495.490 ug/L	0.0216	495.490 ug/L	0.0216	0.00%
QC value within limits for V 292.395 Recovery = 99.10%						
Zn 206.200†	1664.9	479.080 ug/L	0.4212	479.080 ug/L	0.4212	0.09%
QC value within limits for Zn 206.200 Recovery = 95.82%						

All analyte(s) passed QC.

Sequence No.: 32
Sample ID: 2D25001-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 4/25/2012 9:24:22 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	406255.9	406255.9	100.001	%			09:25:27
1	Al 396.153†	-53.3	0.4	-9.52650	ug/L	-9.52650	ug/L	09:25:32
1	Ba 455.398†	402.8	39.2	2.00765	ug/L	2.00765	ug/L	09:25:32
1	Ca 315.887†	19.5	10.4	0.0136966	mg/L	0.0136966	mg/L	09:25:52
1	Fe 238.204†	29.0	0.4	2.41874	ug/L	2.41874	ug/L	09:25:52
1	K 766.490	-243.2	36.5	0.0184645	mg/L	0.0184645	mg/L	09:25:32
1	Li 670.784†	-137.6	-9.2	1.24508	ug/L	1.24508	ug/L	09:25:32
1	Mg 279.071†	54.8	-0.7	0.0213591	mg/L	0.0213591	mg/L	09:25:52
1	Na 589.592†	452.5	-59.7	0.0117017	mg/L	0.0117017	mg/L	09:25:32
1	Sr 407.771†	770.7	100.7	2.37757	ug/L	2.37757	ug/L	09:25:32
1	Ti 334.940†	1.4	7.9	2.84375	ug/L	2.84375	ug/L	09:25:52
1	Y 360.076	291169.4	291169.4	99.7829	%			09:26:28
1	Ag 328.068†	34.4	-17.9	1.60622	ug/L	1.60622	ug/L	09:26:28
1	As 188.979†	-16.2	-1.7	-4.90232	ug/L	-4.90232	ug/L	09:26:48
1	B 249.677†	797.0	-341.1	-19.2326	ug/L	-19.2326	ug/L	09:26:48
1	Be 234.861†	-443.5	7.4	0.245116	ug/L	0.245116	ug/L	09:26:48
1	Cd 214.437†	199.6	-6.7	0.427859	ug/L	0.427859	ug/L	09:26:48
1	Ce 413.764†	1758.8	13.3	0.357616	ug/L	0.357616	ug/L	09:26:28
1	Co 228.616†	-26.1	0.3	1.60332	ug/L	1.60332	ug/L	09:26:48
1	Cr 205.557†	-3.2	4.7	1.71746	ug/L	1.71746	ug/L	09:26:48
1	Cu 327.397†	291.2	69.7	5.29230	ug/L	5.29230	ug/L	09:26:28
1	Mn 257.610†	235.1	8.5	1.60471	ug/L	1.60471	ug/L	09:26:48
1	Mo 202.031†	36.1	2.0	1.82650	ug/L	1.82650	ug/L	09:26:48
1	Ni 231.604†	48.4	7.2	1.52954	ug/L	1.52954	ug/L	09:26:48
1	Pb 220.353†	17.4	3.5	2.16894	ug/L	2.16894	ug/L	09:26:48
1	Sb 217.584†	-28.5	-0.8	2.42401	ug/L	2.42401	ug/L	09:26:48
1	Se 196.026†	11.9	0.3	16.7553	ug/L	16.7553	ug/L	09:26:48
1	Si 251.611†	516.2	358.6	35.0093	ug/L	35.0093	ug/L	09:26:48
1	Sn 189.927†	-9.8	5.6	10.7797	ug/L	10.7797	ug/L	09:26:48
1	Tl 190.801†	-9.9	1.2	30.2699	ug/L	30.2699	ug/L	09:26:48
1	V 292.395†	-514.1	14.1	2.15966	ug/L	2.15966	ug/L	09:26:28
1	Zn 206.200†	-10.6	2.6	1.46555	ug/L	1.46555	ug/L	09:26:48
2	Sc 357.234	406814.7	406814.7	100.138	%			09:25:57
2	Al 396.153†	-50.6	3.2	-8.90388	ug/L	-8.90388	ug/L	09:26:02
2	Ba 455.398†	354.6	-9.5	1.86532	ug/L	1.86532	ug/L	09:26:02
2	Ca 315.887†	20.4	11.2	0.0142295	mg/L	0.0142295	mg/L	09:26:22
2	Fe 238.204†	32.0	3.2	3.46983	ug/L	3.46983	ug/L	09:26:22
2	K 766.490	-263.7	15.9	0.0050713	mg/L	0.0050713	mg/L	09:26:02
2	Li 670.784†	-123.5	5.1	1.48874	ug/L	1.48874	ug/L	09:26:02
2	Mg 279.071†	52.9	-2.6	0.0179535	mg/L	0.0179535	mg/L	09:26:22
2	Na 589.592†	435.4	-77.4	0.0093065	mg/L	0.0093065	mg/L	09:26:02
2	Sr 407.771†	705.3	34.3	2.30698	ug/L	2.30698	ug/L	09:26:02
2	Ti 334.940†	-0.5	6.0	2.75764	ug/L	2.75764	ug/L	09:26:22
2	Y 360.076	291395.5	291395.5	99.8603	%			09:26:54
2	Ag 328.068†	58.5	6.2	2.00736	ug/L	2.00736	ug/L	09:26:54
2	As 188.979†	-10.4	4.1	12.8216	ug/L	12.8216	ug/L	09:27:14
2	B 249.677†	774.7	-364.1	-20.5084	ug/L	-20.5084	ug/L	09:27:14
2	Be 234.861†	-448.9	2.3	0.206385	ug/L	0.206385	ug/L	09:27:14
2	Cd 214.437†	201.0	-5.5	0.533812	ug/L	0.533812	ug/L	09:27:14
2	Ce 413.764†	1716.4	-30.5	-0.818925	ug/L	-0.818925	ug/L	09:26:54
2	Co 228.616†	-21.5	5.0	2.74788	ug/L	2.74788	ug/L	09:27:14
2	Cr 205.557†	-10.9	-3.0	0.104454	ug/L	0.104454	ug/L	09:27:14
2	Cu 327.397†	296.7	74.9	5.44474	ug/L	5.44474	ug/L	09:26:54
2	Mn 257.610†	236.5	9.6	1.61495	ug/L	1.61495	ug/L	09:27:14
2	Mo 202.031†	37.9	3.7	2.28828	ug/L	2.28828	ug/L	09:27:14
2	Ni 231.604†	58.7	17.5	2.67893	ug/L	2.67893	ug/L	09:27:14
2	Pb 220.353†	17.6	3.8	2.43557	ug/L	2.43557	ug/L	09:27:14
2	Sb 217.584†	-24.7	3.0	7.30832	ug/L	7.30832	ug/L	09:27:14
2	Se 196.026†	4.9	-6.7	-4.15406	ug/L	-4.15406	ug/L	09:27:14
2	Si 251.611†	501.3	343.2	33.4053	ug/L	33.4053	ug/L	09:27:14
2	Sn 189.927†	-11.0	4.4	9.40203	ug/L	9.40203	ug/L	09:27:14
2	Tl 190.801†	-10.5	0.6	28.7810	ug/L	28.7810	ug/L	09:27:14
2	V 292.395†	-472.3	56.3	3.17721	ug/L	3.17721	ug/L	09:26:54
2	Zn 206.200†	-8.2	5.0	2.15371	ug/L	2.15371	ug/L	09:27:14

Mean Data: 2D25001-CCB

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

Sc 357.234	406535.3	100.070 %	0.0973					0.10%
Y 360.076	291282.5	99.8216 %	0.05477					0.05%
Ag 328.068†	-5.9	1.80679 ug/L	0.283647	1.80679	ug/L	0.283647		15.70%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	1.8	-9.21519 ug/L	0.440263	-9.21519	ug/L	0.440263		4.78%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	1.2	3.95966 ug/L	12.532739	3.95966	ug/L	12.532739		316.51%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-352.6	-19.8705 ug/L	0.90213	-19.8705	ug/L	0.90213		4.54%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	14.8	1.93649 ug/L	0.100645	1.93649	ug/L	0.100645		5.20%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	4.9	0.225750 ug/L	0.0273872	0.225750	ug/L	0.0273872		12.13%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	10.8	0.0139630 mg/L	0.00037680	0.0139630	mg/L	0.00037680		2.70%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-6.1	0.480835 ug/L	0.0749202	0.480835	ug/L	0.0749202		15.58%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-8.6	-0.230654 ug/L	0.8319402	-0.230654	ug/L	0.8319402		360.69%
Co 228.616†	2.6	2.17560 ug/L	0.809322	2.17560	ug/L	0.809322		37.20%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	0.8	0.910958 ug/L	1.1405679	0.910958	ug/L	1.1405679		125.21%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	72.3	5.36852 ug/L	0.107796	5.36852	ug/L	0.107796		2.01%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	1.8	2.94428 ug/L	0.743228	2.94428	ug/L	0.743228		25.24%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	26.2	0.0117679 mg/L	0.00947045	0.0117679	mg/L	0.00947045		80.48%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	-2.0	1.36691 ug/L	0.172294	1.36691	ug/L	0.172294		12.60%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-1.6	0.0196563 mg/L	0.00240812	0.0196563	mg/L	0.00240812		12.25%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	9.1	1.60983 ug/L	0.007243	1.60983	ug/L	0.007243		0.45%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.8	2.05739 ug/L	0.326524	2.05739	ug/L	0.326524		15.87%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-68.5	0.0105041 mg/L	0.00169366	0.0105041	mg/L	0.00169366		16.12%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	12.4	2.10423 ug/L	0.812741	2.10423	ug/L	0.812741		38.62%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	3.6	2.30225 ug/L	0.188534	2.30225	ug/L	0.188534		8.19%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	1.1	4.86617 ug/L	3.453728	4.86617	ug/L	3.453728		70.97%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-3.2	6.30064 ug/L	14.785177	6.30064	ug/L	14.785177		234.66%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	350.9	34.2073 ug/L	1.13421	34.2073	ug/L	1.13421		3.32%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	5.0	10.0909 ug/L	0.97419	10.0909	ug/L	0.97419		9.65%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	67.5	2.34227 ug/L	0.049915	2.34227	ug/L	0.049915		2.13%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	7.0	2.80069 ug/L	0.060889	2.80069	ug/L	0.060889		2.17%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	0.9	29.5254 ug/L	1.05283	29.5254	ug/L	1.05283		3.57%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	35.2	2.66844 ug/L	0.719520	2.66844	ug/L	0.719520		26.96%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	3.8	1.80963 ug/L	0.486598	1.80963	ug/L	0.486598		26.89%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Analytical Sequence
Method: Aqueous_6010C_311

Seq.	Loc.	ID	Status
1	1	2D25001-CAL1	Applied
2	2	2D25001-CAL2	Applied
3	3	2D25001-CAL3	Applied
4	4	2D25001-CAL4	Applied

5	5	2D25001-CAL5	Applied
6	9	2D25001-SCV1	QC Failed
7	1	2D25001-CCB	QC Passed
8	10	2D25001-CRL1	QC Passed
9	11	2D25001-IFA1	QC Passed
10	12	2D25001-IFA2	QC Passed
11	13	2D25001-IFB1	QC Passed
12	14	2D25001-IFB2	QC Passed
13	4	2D25001-CCV	QC Passed
14	1	2D25001-CCB	QC Failed
15	17	1205036-BLK1	Analyzed
16	18	1205036-BS1	Analyzed
17	19	1204329-01	Analyzed
18	20	1205036-MS1	Analyzed
19	21	1205036-MSD1	Analyzed
20	22	2D25001-SRD1	Analyzed
21	23	1205036-PS1	Analyzed
22	24	1205037-BLK1	Analyzed
23	25	1205037-BS1	Analyzed
24	26	1204329-01	Analyzed
25	4	2D25001-CCV	QC Passed
26	1	2D25001-CCB	QC Passed
27	27	1205037-MS1	Analyzed
28	28	1205037-MSD1	Analyzed
29	29	2D25001-SRD2	Analyzed
30	30	1205037-PS1	Analyzed
31	4	2D25001-CCV	QC Passed
32	1	2D25001-CCB	QC Passed

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Analysis Begun

Start Time: 4/25/2012 9:29:09 AM **Plasma On Time: 4/25/2012 6:20:01 AM**
Logged In Analyst: analystME **Technique: ICP Continuous**
Spectrometer Model: Optima 5300 DV, S/N 077C7032601 **Autosampler Model: AS-93plus**

Sample Information File: C:\pe\analystME\Sample Information\2D25001.sif
Batch ID:
Results Data Set: 2D25001
Results Library: C:\pe\analystME\Results\Results.mdb

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Sequence No.: 1 **Autosampler Location: 9**
Sample ID: 2D25001-SCV1 **Date Collected: 4/25/2012 9:29:10 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**
User canceled analysis.

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Analysis Begun

Start Time: 4/25/2012 9:29:38 AM **Plasma On Time: 4/25/2012 6:20:01 AM**
Logged In Analyst: analystME **Technique: ICP Continuous**
Spectrometer Model: Optima 5300 DV, S/N 077C7032601 **Autosampler Model: AS-93plus**

Sample Information File: C:\pe\analystME\Sample Information\2D25001.sif
Batch ID:
Results Data Set: 2D25001
Results Library: C:\pe\analystME\Results\Results.mdb

==========

Sequence No.: 10 **Autosampler Location: 31**
Sample ID: loq **Date Collected: 4/25/2012 9:29:38 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: loq

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	407948.6	407948.6	100.418	%			09:30:43
1	Al 396.153†	186.2	239.1	43.7771	ug/L	43.7771	ug/L	09:30:48
1	Ba 455.398†	3556.4	3178.0	11.1714	ug/L	11.1714	ug/L	09:30:48
1	Ca 315.887†	821.0	808.4	0.514416	mg/L	0.514416	mg/L	09:31:08
1	Fe 238.204†	54.4	25.5	11.6230	ug/L	11.6230	ug/L	09:31:08
1	K 766.490	-91.9	187.7	0.116854	mg/L	0.116854	mg/L	09:30:48
1	Li 670.784†	316.4	443.6	8.94969	ug/L	8.94969	ug/L	09:30:48
1	Mg 279.071†	325.9	269.1	0.497538	mg/L	0.497538	mg/L	09:31:08
1	Na 589.592†	4369.2	3838.9	0.537755	mg/L	0.537755	mg/L	09:30:48
1	Sr 407.771†	44169.5	43315.8	48.2867	ug/L	48.2867	ug/L	09:30:48
1	Ti 334.940†	1964.2	1962.6	89.5389	ug/L	89.5389	ug/L	09:31:08
1	Y 360.076	296835.4	296835.4	101.725	%			09:31:44
1	Ag 328.068†	320.6	262.8	6.28635	ug/L	6.28635	ug/L	09:31:44
1	As 188.979†	25.0	39.1	118.875	ug/L	118.875	ug/L	09:32:04
1	B 249.677†	1547.5	381.5	20.6311	ug/L	20.6311	ug/L	09:31:44
1	Be 234.861†	-334.0	123.5	1.12219	ug/L	1.12219	ug/L	09:32:04
1	Cd 214.437†	254.2	43.1	5.06294	ug/L	5.06294	ug/L	09:32:04
1	Ce 413.764†	1831.1	50.8	1.34663	ug/L	1.34663	ug/L	09:31:44
1	Co 228.616†	11.5	37.8	10.6442	ug/L	10.6442	ug/L	09:32:04
1	Cr 205.557†	41.1	48.3	10.8617	ug/L	10.8617	ug/L	09:32:04
1	Cu 327.397†	608.7	376.2	14.3062	ug/L	14.3062	ug/L	09:31:44
1	Mn 257.610†	1307.4	1058.0	10.9871	ug/L	10.9871	ug/L	09:32:04
1	Mo 202.031†	355.3	315.0	87.3046	ug/L	87.3046	ug/L	09:32:04
1	Ni 231.604†	137.6	94.0	11.4008	ug/L	11.4008	ug/L	09:32:04
1	Pb 220.353†	65.9	50.9	46.4083	ug/L	46.4083	ug/L	09:32:04
1	Sb 217.584†	34.1	61.3	82.5263	ug/L	82.5263	ug/L	09:32:04
1	Se 196.026†	33.6	21.4	79.8799	ug/L	79.8799	ug/L	09:32:04

1	Si 251.611†	1316.0	1134.9	112.933 ug/L	112.933 ug/L	09:32:04
1	Sn 189.927†	64.2	78.5	90.0311 ug/L	90.0311 ug/L	09:32:04
1	Tl 190.801†	24.4	35.1	115.271 ug/L	115.271 ug/L	09:32:04
1	V 292.395†	-197.8	334.8	11.4010 ug/L	11.4010 ug/L	09:31:44
1	Zn 206.200†	25.0	37.9	11.5900 ug/L	11.5900 ug/L	09:32:04
2	Sc 357.234	414458.7	414458.7	102.020 %		09:31:13
2	Al 396.153†	192.4	242.2	44.4415 ug/L	44.4415 ug/L	09:31:18
2	Ba 455.398†	3517.5	3084.2	10.8971 ug/L	10.8971 ug/L	09:31:18
2	Ca 315.887†	816.4	791.1	0.503531 mg/L	0.503531 mg/L	09:31:38
2	Fe 238.204†	58.5	28.7	12.8075 ug/L	12.8075 ug/L	09:31:38
2	K 766.490	-87.2	192.5	0.119947 mg/L	0.119947 mg/L	09:31:18
2	Li 670.784†	298.9	421.4	8.57270 ug/L	8.57270 ug/L	09:31:18
2	Mg 279.071†	316.5	254.8	0.472341 mg/L	0.472341 mg/L	09:31:38
2	Na 589.592†	4326.2	3728.3	0.522841 mg/L	0.522841 mg/L	09:31:18
2	Sr 407.771†	43981.8	42440.9	47.3574 ug/L	47.3574 ug/L	09:31:18
2	Ti 334.940†	1961.7	1929.3	88.0641 ug/L	88.0641 ug/L	09:31:38
2	Y 360.076	294269.9	294269.9	100.845 %		09:32:09
2	Ag 328.068†	307.9	252.9	6.12470 ug/L	6.12470 ug/L	09:32:09
2	As 188.979†	18.8	33.2	100.759 ug/L	100.759 ug/L	09:32:29
2	B 249.677†	1517.9	365.4	19.7467 ug/L	19.7467 ug/L	09:32:09
2	Be 234.861†	-334.4	120.3	1.09779 ug/L	1.09779 ug/L	09:32:29
2	Cd 214.437†	261.5	52.6	5.94270 ug/L	5.94270 ug/L	09:32:29
2	Ce 413.764†	1692.6	-70.9	-1.92160 ug/L	-1.92160 ug/L	09:32:09
2	Co 228.616†	7.0	33.4	9.56637 ug/L	9.56637 ug/L	09:32:29
2	Cr 205.557†	39.9	47.5	10.6976 ug/L	10.6976 ug/L	09:32:29
2	Cu 327.397†	587.1	360.0	13.8327 ug/L	13.8327 ug/L	09:32:09
2	Mn 257.610†	1305.6	1067.5	11.0716 ug/L	11.0716 ug/L	09:32:29
2	Mo 202.031†	360.1	322.9	89.4401 ug/L	89.4401 ug/L	09:32:29
2	Ni 231.604†	150.2	107.7	12.9345 ug/L	12.9345 ug/L	09:32:29
2	Pb 220.353†	70.3	55.8	50.9630 ug/L	50.9630 ug/L	09:32:29
2	Sb 217.584†	39.3	66.7	89.5542 ug/L	89.5542 ug/L	09:32:29
2	Se 196.026†	37.1	25.1	90.9037 ug/L	90.9037 ug/L	09:32:29
2	Si 251.611†	1299.5	1129.8	112.432 ug/L	112.432 ug/L	09:32:29
2	Sn 189.927†	69.3	84.2	96.1895 ug/L	96.1895 ug/L	09:32:29
2	Tl 190.801†	21.7	32.6	108.984 ug/L	108.984 ug/L	09:32:29
2	V 292.395†	-167.1	363.6	12.1298 ug/L	12.1298 ug/L	09:32:09
2	Zn 206.200†	26.9	39.9	12.1834 ug/L	12.1834 ug/L	09:32:29

Mean Data: loq

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	411203.6	101.219	%	1.1331				1.12%
Y 360.076	295552.6	101.285	%	0.6217				0.61%
Ag 328.068†	257.8	6.20553	ug/L	0.114304	6.20553	ug/L	0.114304	1.84%
Al 396.153†	240.7	44.1093	ug/L	0.46981	44.1093	ug/L	0.46981	1.07%
As 188.979†	36.1	109.817	ug/L	12.8103	109.817	ug/L	12.8103	11.67%
B 249.677†	373.4	20.1889	ug/L	0.62539	20.1889	ug/L	0.62539	3.10%
Ba 455.398†	3131.1	11.0343	ug/L	0.19396	11.0343	ug/L	0.19396	1.76%
Be 234.861†	121.9	1.10999	ug/L	0.017253	1.10999	ug/L	0.017253	1.55%
Ca 315.887†	799.7	0.508973	mg/L	0.0076963	0.508973	mg/L	0.0076963	1.51%
Cd 214.437†	47.8	5.50282	ug/L	0.622088	5.50282	ug/L	0.622088	11.30%
Ce 413.764†	-10.0	-0.287486	ug/L	2.3109922	-0.287486	ug/L	2.3109922	803.86%
Co 228.616†	35.6	10.1053	ug/L	0.76211	10.1053	ug/L	0.76211	7.54%
Cr 205.557†	47.9	10.7796	ug/L	0.11604	10.7796	ug/L	0.11604	1.08%
Cu 327.397†	368.1	14.0694	ug/L	0.33483	14.0694	ug/L	0.33483	2.38%
Fe 238.204†	27.1	12.2153	ug/L	0.83758	12.2153	ug/L	0.83758	6.86%
K 766.490	190.1	0.118400	mg/L	0.0021869	0.118400	mg/L	0.0021869	1.85%
Li 670.784†	432.5	8.76120	ug/L	0.266569	8.76120	ug/L	0.266569	3.04%
Mg 279.071†	262.0	0.484939	mg/L	0.0178168	0.484939	mg/L	0.0178168	3.67%
Mn 257.610†	1062.8	11.0294	ug/L	0.05977	11.0294	ug/L	0.05977	0.54%
Mo 202.031†	318.9	88.3724	ug/L	1.51007	88.3724	ug/L	1.51007	1.71%
Na 589.592†	3783.6	0.530298	mg/L	0.0105458	0.530298	mg/L	0.0105458	1.99%
Ni 231.604†	100.9	12.1676	ug/L	1.08452	12.1676	ug/L	1.08452	8.91%
Pb 220.353†	53.3	48.6857	ug/L	3.22069	48.6857	ug/L	3.22069	6.62%
Sb 217.584†	64.0	86.0403	ug/L	4.96946	86.0403	ug/L	4.96946	5.78%
Se 196.026†	23.2	85.3918	ug/L	7.79500	85.3918	ug/L	7.79500	9.13%
Si 251.611†	1132.4	112.683	ug/L	0.3543	112.683	ug/L	0.3543	0.31%
Sn 189.927†	81.4	93.1103	ug/L	4.35464	93.1103	ug/L	4.35464	4.68%
Sr 407.771†	42878.4	47.8221	ug/L	0.65713	47.8221	ug/L	0.65713	1.37%
Ti 334.940†	1946.0	88.8015	ug/L	1.04286	88.8015	ug/L	1.04286	1.17%

Tl 190.801†	33.9	112.127 ug/L	4.4453	112.127 ug/L	4.4453	3.96%
V 292.395†	349.2	11.7654 ug/L	0.51533	11.7654 ug/L	0.51533	4.38%
Zn 206.200†	38.9	11.8867 ug/L	0.41957	11.8867 ug/L	0.41957	3.53%

Sequence No.: 11
Sample ID: 2D25001-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 4/25/2012 9:33:45 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	400555.2	400555.2	98.5977	%			09:34:51
1	Al 396.153†	10634.1	10839.0	2455.51	ug/L	2455.51	ug/L	09:34:51
1	Ba 455.398†	163530.8	165493.0	485.043	ug/L	485.043	ug/L	09:34:51
1	Ca 315.887†	7609.4	7708.5	4.84392	mg/L	4.84392	mg/L	09:35:11
1	Fe 238.204†	1330.5	1320.8	486.432	ug/L	486.432	ug/L	09:35:11
1	K 766.490	7217.1	7496.8	4.87240	mg/L	4.87240	mg/L	09:34:51
1	Li 670.784†	28005.1	28531.9	486.909	ug/L	486.909	ug/L	09:34:51
1	Mg 279.071†	2774.4	2758.4	4.89185	mg/L	4.89185	mg/L	09:35:11
1	Na 589.592†	35973.4	35972.8	4.87378	mg/L	4.87378	mg/L	09:34:51
1	Sr 407.771†	447929.0	453629.7	484.221	ug/L	484.221	ug/L	09:34:51
1	Ti 334.940†	10819.4	10979.8	489.479	ug/L	489.479	ug/L	09:35:11
1	Y 360.076	290550.3	290550.3	99.5707	%			09:35:42
1	Ag 328.068†	28996.9	29069.5	484.599	ug/L	484.599	ug/L	09:35:42
1	As 188.979†	770.0	787.9	2392.34	ug/L	2392.34	ug/L	09:36:02
1	B 249.677†	9465.3	8366.2	460.254	ug/L	460.254	ug/L	09:35:42
1	Be 234.861†	5852.2	6329.3	47.6508	ug/L	47.6508	ug/L	09:36:02
1	Cd 214.437†	5294.8	5110.9	475.172	ug/L	475.172	ug/L	09:36:02
1	Ce 413.764†	1698.2	-43.7	-1.29435	ug/L	-1.29435	ug/L	09:35:42
1	Co 228.616†	1904.9	1939.6	479.130	ug/L	479.130	ug/L	09:36:02
1	Cr 205.557†	2271.3	2289.0	481.353	ug/L	481.353	ug/L	09:36:02
1	Cu 327.397†	16556.0	16405.2	481.226	ug/L	481.226	ug/L	09:35:42
1	Mn 257.610†	53699.6	53704.0	481.609	ug/L	481.609	ug/L	09:35:42
1	Mo 202.031†	1791.1	1764.5	483.080	ug/L	483.080	ug/L	09:36:02
1	Ni 231.604†	4289.7	4266.9	478.306	ug/L	478.306	ug/L	09:36:02
1	Pb 220.353†	529.9	518.3	479.835	ug/L	479.835	ug/L	09:36:02
1	Sb 217.584†	1817.5	1853.1	2396.29	ug/L	2396.29	ug/L	09:36:02
1	Se 196.026†	801.5	793.3	2386.14	ug/L	2386.14	ug/L	09:36:02
1	Si 251.611†	23701.7	23645.1	2450.97	ug/L	2450.97	ug/L	09:35:42
1	Sn 189.927†	2187.6	2212.4	2410.51	ug/L	2410.51	ug/L	09:36:02
1	Tl 190.801†	915.5	930.5	2348.17	ug/L	2348.17	ug/L	09:36:02
1	V 292.395†	19511.6	20125.0	491.210	ug/L	491.210	ug/L	09:35:42
1	Zn 206.200†	1627.3	1647.6	474.105	ug/L	474.105	ug/L	09:36:02
2	Sc 357.234	403991.8	403991.8	99.4436	%			09:35:16
2	Al 396.153†	10798.2	10912.3	2472.11	ug/L	2472.11	ug/L	09:35:16
2	Ba 455.398†	166422.6	166990.2	489.414	ug/L	489.414	ug/L	09:35:16
2	Ca 315.887†	7624.9	7658.5	4.81254	mg/L	4.81254	mg/L	09:35:36
2	Fe 238.204†	1336.2	1315.0	484.330	ug/L	484.330	ug/L	09:35:36
2	K 766.490	7312.2	7591.9	4.93430	mg/L	4.93430	mg/L	09:35:16
2	Li 670.784†	28419.6	28707.1	489.890	ug/L	489.890	ug/L	09:35:16
2	Mg 279.071†	2768.2	2728.2	4.83862	mg/L	4.83862	mg/L	09:35:36
2	Na 589.592†	36488.1	36180.1	4.90175	mg/L	4.90175	mg/L	09:35:16
2	Sr 407.771†	455398.5	457276.5	488.102	ug/L	488.102	ug/L	09:35:16
2	Ti 334.940†	10797.1	10864.0	484.341	ug/L	484.341	ug/L	09:35:36
2	Y 360.076	288874.6	288874.6	98.9965	%			09:36:07
2	Ag 328.068†	28989.6	29231.1	487.278	ug/L	487.278	ug/L	09:36:07
2	As 188.979†	776.6	799.0	2426.18	ug/L	2426.18	ug/L	09:36:28
2	B 249.677†	9490.7	8447.1	464.707	ug/L	464.707	ug/L	09:36:07
2	Be 234.861†	5911.6	6423.4	48.3594	ug/L	48.3594	ug/L	09:36:28
2	Cd 214.437†	5357.2	5204.8	483.876	ug/L	483.876	ug/L	09:36:28
2	Ce 413.764†	1731.4	-0.3	-0.126178	ug/L	-0.126178	ug/L	09:36:07
2	Co 228.616†	1916.7	1962.6	484.823	ug/L	484.823	ug/L	09:36:28
2	Cr 205.557†	2282.3	2313.3	486.448	ug/L	486.448	ug/L	09:36:28
2	Cu 327.397†	16512.4	16457.6	482.746	ug/L	482.746	ug/L	09:36:07
2	Mn 257.610†	53719.6	54037.0	484.586	ug/L	484.586	ug/L	09:36:07
2	Mo 202.031†	1800.2	1784.2	488.433	ug/L	488.433	ug/L	09:36:28
2	Ni 231.604†	4341.3	4344.1	486.941	ug/L	486.941	ug/L	09:36:28

2	Pb 220.353†	530.5	522.0	483.278 ug/L	483.278 ug/L	09:36:28
2	Sb 217.584†	1835.8	1882.2	2433.79 ug/L	2433.79 ug/L	09:36:28
2	Se 196.026†	799.3	795.7	2393.38 ug/L	2393.38 ug/L	09:36:28
2	Si 251.611†	23616.6	23697.2	2456.55 ug/L	2456.55 ug/L	09:36:07
2	Sn 189.927†	2206.9	2244.8	2445.66 ug/L	2445.66 ug/L	09:36:28
2	Tl 190.801†	929.6	950.1	2396.90 ug/L	2396.90 ug/L	09:36:28
2	V 292.395†	19491.6	20218.5	493.546 ug/L	493.546 ug/L	09:36:07
2	Zn 206.200†	1646.1	1676.1	482.290 ug/L	482.290 ug/L	09:36:28

Mean Data: 2D25001-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	402273.5	99.0206	%	0.59817				0.60%
Y 360.076	289712.5	99.2836	%	0.40606				0.41%
Ag 328.068†	29150.3	485.939	ug/L	1.8943	485.939	ug/L	1.8943	0.39%
QC value within limits for Ag 328.068 Recovery = 97.19%								
Al 396.153†	10875.6	2463.81	ug/L	11.742	2463.81	ug/L	11.742	0.48%
QC value within limits for Al 396.153 Recovery = 98.55%								
As 188.979†	793.4	2409.26	ug/L	23.930	2409.26	ug/L	23.930	0.99%
QC value within limits for As 188.979 Recovery = 96.37%								
B 249.677†	8406.7	462.481	ug/L	3.1486	462.481	ug/L	3.1486	0.68%
QC value within limits for B 249.677 Recovery = 92.50%								
Ba 455.398†	166241.6	487.229	ug/L	3.0908	487.229	ug/L	3.0908	0.63%
QC value within limits for Ba 455.398 Recovery = 97.45%								
Be 234.861†	6376.3	48.0051	ug/L	0.50102	48.0051	ug/L	0.50102	1.04%
QC value within limits for Be 234.861 Recovery = 96.01%								
Ca 315.887†	7683.5	4.82823	mg/L	0.022193	4.82823	mg/L	0.022193	0.46%
QC value within limits for Ca 315.887 Recovery = 96.56%								
Cd 214.437†	5157.8	479.524	ug/L	6.1546	479.524	ug/L	6.1546	1.28%
QC value within limits for Cd 214.437 Recovery = 95.90%								
Ce 413.764†	-22.0	-0.710266	ug/L	0.8260250	-0.710266	ug/L	0.8260250	116.30%
Co 228.616†	1951.1	481.977	ug/L	4.0259	481.977	ug/L	4.0259	0.84%
QC value within limits for Co 228.616 Recovery = 96.40%								
Cr 205.557†	2301.2	483.900	ug/L	3.6031	483.900	ug/L	3.6031	0.74%
QC value within limits for Cr 205.557 Recovery = 96.78%								
Cu 327.397†	16431.4	481.986	ug/L	1.0747	481.986	ug/L	1.0747	0.22%
QC value within limits for Cu 327.397 Recovery = 96.40%								
Fe 238.204†	1317.9	485.381	ug/L	1.4867	485.381	ug/L	1.4867	0.31%
QC value within limits for Fe 238.204 Recovery = 97.08%								
K 766.490	7544.3	4.90335	mg/L	0.043770	4.90335	mg/L	0.043770	0.89%
QC value within limits for K 766.490 Recovery = 98.07%								
Li 670.784†	28619.5	488.400	ug/L	2.1077	488.400	ug/L	2.1077	0.43%
QC value within limits for Li 670.784 Recovery = 97.68%								
Mg 279.071†	2743.3	4.86523	mg/L	0.037640	4.86523	mg/L	0.037640	0.77%
QC value within limits for Mg 279.071 Recovery = 97.30%								
Mn 257.610†	53870.5	483.098	ug/L	2.1051	483.098	ug/L	2.1051	0.44%
QC value within limits for Mn 257.610 Recovery = 96.62%								
Mo 202.031†	1774.4	485.757	ug/L	3.7848	485.757	ug/L	3.7848	0.78%
QC value within limits for Mo 202.031 Recovery = 97.15%								
Na 589.592†	36076.5	4.88776	mg/L	0.019774	4.88776	mg/L	0.019774	0.40%
QC value within limits for Na 589.592 Recovery = 97.76%								
Ni 231.604†	4305.5	482.624	ug/L	6.1063	482.624	ug/L	6.1063	1.27%
QC value within limits for Ni 231.604 Recovery = 96.52%								
Pb 220.353†	520.1	481.557	ug/L	2.4347	481.557	ug/L	2.4347	0.51%
QC value within limits for Pb 220.353 Recovery = 96.31%								
Sb 217.584†	1867.6	2415.04	ug/L	26.516	2415.04	ug/L	26.516	1.10%
QC value within limits for Sb 217.584 Recovery = 96.60%								
Se 196.026†	794.5	2389.76	ug/L	5.113	2389.76	ug/L	5.113	0.21%
QC value within limits for Se 196.026 Recovery = 95.59%								
Si 251.611†	23671.2	2453.76	ug/L	3.940	2453.76	ug/L	3.940	0.16%
QC value within limits for Si 251.611 Recovery = 98.15%								
Sn 189.927†	2228.6	2428.09	ug/L	24.849	2428.09	ug/L	24.849	1.02%
QC value within limits for Sn 189.927 Recovery = 97.12%								
Sr 407.771†	455453.1	486.162	ug/L	2.7445	486.162	ug/L	2.7445	0.56%
QC value within limits for Sr 407.771 Recovery = 97.23%								
Ti 334.940†	10921.9	486.910	ug/L	3.6332	486.910	ug/L	3.6332	0.75%
QC value within limits for Ti 334.940 Recovery = 97.38%								
Tl 190.801†	940.3	2372.53	ug/L	34.459	2372.53	ug/L	34.459	1.45%
QC value within limits for Tl 190.801 Recovery = 94.90%								
V 292.395†	20171.7	492.378	ug/L	1.6517	492.378	ug/L	1.6517	0.34%

QC value within limits for V 292.395 Recovery = 98.48%

Zn 206.200†	1661.8	478.198 ug/L	5.7876	478.198 ug/L	5.7876	1.21%

QC value within limits for Zn 206.200 Recovery = 95.64%

All analyte(s) passed QC.

Sequence No.: 12
Sample ID: 2D25001-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 4/25/2012 9:37:43 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2D25001-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	402236.1	402236.1	99.0114	%			09:38:48
1	Al 396.153†	-48.6	4.6	-8.57891	ug/L	-8.57891	ug/L	09:38:53
1	Ba 455.398†	424.1	64.7	2.08187	ug/L	2.08187	ug/L	09:38:53
1	Ca 315.887†	13.3	4.3	0.0098501	mg/L	0.0098501	mg/L	09:39:13
1	Fe 238.204†	27.2	-1.2	1.83867	ug/L	1.83867	ug/L	09:39:13
1	K 766.490	-281.1	-1.4	-0.0062222	mg/L	-0.0062222	mg/L	09:38:53
1	Li 670.784†	-130.3	-3.2	1.34727	ug/L	1.34727	ug/L	09:38:53
1	Mg 279.071†	54.9	-0.0	0.0225091	mg/L	0.0225091	mg/L	09:39:13
1	Na 589.592†	418.7	-89.3	0.0077062	mg/L	0.0077062	mg/L	09:38:53
1	Sr 407.771†	779.0	116.7	2.39503	ug/L	2.39503	ug/L	09:38:53
1	Ti 334.940†	2.7	9.3	2.90307	ug/L	2.90307	ug/L	09:39:13
1	Y 360.076	292986.9	292986.9	100.406	%			09:39:49
1	Ag 328.068†	18.0	-34.5	1.33355	ug/L	1.33355	ug/L	09:39:49
1	As 188.979†	-13.5	1.1	3.59306	ug/L	3.59306	ug/L	09:40:10
1	B 249.677†	798.4	-344.6	-19.4309	ug/L	-19.4309	ug/L	09:40:10
1	Be 234.861†	-448.9	4.8	0.225675	ug/L	0.225675	ug/L	09:40:10
1	Cd 214.437†	202.3	-5.2	0.562142	ug/L	0.562142	ug/L	09:40:10
1	Ce 413.764†	1660.0	-95.9	-2.57833	ug/L	-2.57833	ug/L	09:39:49
1	Co 228.616†	-24.4	2.2	2.06534	ug/L	2.06534	ug/L	09:40:10
1	Cr 205.557†	-6.9	1.0	0.953711	ug/L	0.953711	ug/L	09:40:10
1	Cu 327.397†	291.1	67.8	5.23690	ug/L	5.23690	ug/L	09:39:49
1	Mn 257.610†	242.0	13.9	1.65289	ug/L	1.65289	ug/L	09:40:10
1	Mo 202.031†	37.1	2.7	2.01387	ug/L	2.01387	ug/L	09:40:10
1	Ni 231.604†	53.5	12.0	2.06532	ug/L	2.06532	ug/L	09:40:10
1	Pb 220.353†	20.3	6.4	4.83168	ug/L	4.83168	ug/L	09:40:10
1	Sb 217.584†	-35.5	-7.6	-6.34037	ug/L	-6.34037	ug/L	09:40:10
1	Se 196.026†	12.2	0.4	17.2689	ug/L	17.2689	ug/L	09:40:10
1	Si 251.611†	257.0	97.1	7.68110	ug/L	7.68110	ug/L	09:40:10
1	Sn 189.927†	-3.3	12.1	17.8211	ug/L	17.8211	ug/L	09:40:10
1	Tl 190.801†	-10.3	0.8	29.3994	ug/L	29.3994	ug/L	09:40:10
1	V 292.395†	-470.1	61.1	3.28752	ug/L	3.28752	ug/L	09:39:49
1	Zn 206.200†	-13.8	-0.4	0.585036	ug/L	0.585036	ug/L	09:40:10
2	Sc 357.234	403434.3	403434.3	99.3064	%			09:39:18
2	Al 396.153†	-42.5	10.9	-7.14559	ug/L	-7.14559	ug/L	09:39:23
2	Ba 455.398†	371.5	10.4	1.92341	ug/L	1.92341	ug/L	09:39:23
2	Ca 315.887†	16.5	7.5	0.0118637	mg/L	0.0118637	mg/L	09:39:43
2	Fe 238.204†	27.6	-0.9	1.95640	ug/L	1.95640	ug/L	09:39:43
2	K 766.490	-231.4	48.3	0.0261302	mg/L	0.0261302	mg/L	09:39:23
2	Li 670.784†	-123.0	4.6	1.47891	ug/L	1.47891	ug/L	09:39:23
2	Mg 279.071†	54.9	-0.1	0.0222575	mg/L	0.0222575	mg/L	09:39:43
2	Na 589.592†	381.4	-128.1	0.0024653	mg/L	0.0024653	mg/L	09:39:23
2	Sr 407.771†	716.5	51.5	2.32547	ug/L	2.32547	ug/L	09:39:23
2	Ti 334.940†	-13.5	-7.0	2.17947	ug/L	2.17947	ug/L	09:39:43
2	Y 360.076	293541.2	293541.2	100.596	%			09:40:15
2	Ag 328.068†	35.9	-16.7	1.62791	ug/L	1.62791	ug/L	09:40:15
2	As 188.979†	-13.1	1.5	4.82104	ug/L	4.82104	ug/L	09:40:35
2	B 249.677†	779.1	-365.4	-20.5803	ug/L	-20.5803	ug/L	09:40:35
2	Be 234.861†	-440.0	14.5	0.298182	ug/L	0.298182	ug/L	09:40:35
2	Cd 214.437†	199.9	-8.1	0.298172	ug/L	0.298172	ug/L	09:40:35
2	Ce 413.764†	1686.5	-72.7	-1.95430	ug/L	-1.95430	ug/L	09:40:15
2	Co 228.616†	-21.6	5.0	2.76378	ug/L	2.76378	ug/L	09:40:35
2	Cr 205.557†	-3.4	4.5	1.68514	ug/L	1.68514	ug/L	09:40:35
2	Cu 327.397†	294.0	70.1	5.30397	ug/L	5.30397	ug/L	09:40:15
2	Mn 257.610†	245.4	16.8	1.67929	ug/L	1.67929	ug/L	09:40:35
2	Mo 202.031†	37.1	2.6	2.00397	ug/L	2.00397	ug/L	09:40:35

2	Ni 231.604†	58.0	16.4	2.55396 ug/L	2.55396 ug/L	09:40:35
2	Pb 220.353†	15.2	1.2	0.103527 ug/L	0.103527 ug/L	09:40:35
2	Sb 217.584†	-28.7	-0.8	2.45636 ug/L	2.45636 ug/L	09:40:35
2	Se 196.026†	14.8	3.0	25.0619 ug/L	25.0619 ug/L	09:40:35
2	Si 251.611†	252.4	92.2	7.18271 ug/L	7.18271 ug/L	09:40:35
2	Sn 189.927†	-6.1	9.4	14.8690 ug/L	14.8690 ug/L	09:40:35
2	Tl 190.801†	-8.6	2.6	33.7358 ug/L	33.7358 ug/L	09:40:35
2	V 292.395†	-499.9	32.3	2.59903 ug/L	2.59903 ug/L	09:40:15
2	Zn 206.200†	-8.6	4.7	2.06081 ug/L	2.06081 ug/L	09:40:35

Mean Data: 2D25001-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	402835.2	99.1589	%	0.20856				0.21%
Y 360.076	293264.1	100.501	%	0.1343				0.13%
Ag 328.068†	-25.6	1.48073	ug/L	0.208149	1.48073	ug/L	0.208149	14.06%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.153†	7.7	-7.86225	ug/L	1.013512	-7.86225	ug/L	1.013512	12.89%
QC value within limits for Al 396.153 Recovery = Not calculated								
As 188.979†	1.3	4.20705	ug/L	0.868314	4.20705	ug/L	0.868314	20.64%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.677†	-355.0	-20.0056	ug/L	0.81276	-20.0056	ug/L	0.81276	4.06%
QC value within limits for B 249.677 Recovery = Not calculated								
Ba 455.398†	37.6	2.00264	ug/L	0.112043	2.00264	ug/L	0.112043	5.59%
QC value within limits for Ba 455.398 Recovery = Not calculated								
Be 234.861†	9.7	0.261929	ug/L	0.0512705	0.261929	ug/L	0.0512705	19.57%
QC value within limits for Be 234.861 Recovery = Not calculated								
Ca 315.887†	5.9	0.0108569	mg/L	0.00142378	0.0108569	mg/L	0.00142378	13.11%
QC value within limits for Ca 315.887 Recovery = Not calculated								
Cd 214.437†	-6.6	0.430157	ug/L	0.1866544	0.430157	ug/L	0.1866544	43.39%
QC value within limits for Cd 214.437 Recovery = Not calculated								
Ce 413.764†	-84.3	-2.26632	ug/L	0.441260	-2.26632	ug/L	0.441260	19.47%
Co 228.616†	3.6	2.41456	ug/L	0.493870	2.41456	ug/L	0.493870	20.45%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.557†	2.8	1.31942	ug/L	0.517196	1.31942	ug/L	0.517196	39.20%
QC value within limits for Cr 205.557 Recovery = Not calculated								
Cu 327.397†	69.0	5.27043	ug/L	0.047423	5.27043	ug/L	0.047423	0.90%
QC value within limits for Cu 327.397 Recovery = Not calculated								
Fe 238.204†	-1.1	1.89753	ug/L	0.083242	1.89753	ug/L	0.083242	4.39%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490	23.4	0.0099540	mg/L	0.02287658	0.0099540	mg/L	0.02287658	229.82%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	0.7	1.41309	ug/L	0.093082	1.41309	ug/L	0.093082	6.59%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-0.1	0.0223833	mg/L	0.00017791	0.0223833	mg/L	0.00017791	0.79%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	15.3	1.66609	ug/L	0.018668	1.66609	ug/L	0.018668	1.12%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	2.6	2.00892	ug/L	0.007004	2.00892	ug/L	0.007004	0.35%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-108.7	0.0050857	mg/L	0.00370591	0.0050857	mg/L	0.00370591	72.87%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	14.2	2.30964	ug/L	0.345517	2.30964	ug/L	0.345517	14.96%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	3.8	2.46761	ug/L	3.343312	2.46761	ug/L	3.343312	135.49%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-4.2	-1.94200	ug/L	6.220226	-1.94200	ug/L	6.220226	320.30%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	1.7	21.1654	ug/L	5.51050	21.1654	ug/L	5.51050	26.04%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	94.7	7.43191	ug/L	0.352413	7.43191	ug/L	0.352413	4.74%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	10.8	16.3450	ug/L	2.08744	16.3450	ug/L	2.08744	12.77%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	84.1	2.36025	ug/L	0.049181	2.36025	ug/L	0.049181	2.08%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.940†	1.1	2.54127	ug/L	0.511660	2.54127	ug/L	0.511660	20.13%
QC value within limits for Ti 334.940 Recovery = Not calculated								
Tl 190.801†	1.7	31.5676	ug/L	3.06628	31.5676	ug/L	3.06628	9.71%
QC value within limits for Tl 190.801 Recovery = Not calculated								

V 292.395†	46.7	2.94327 ug/L	0.486837	2.94327 ug/L	0.486837	16.54%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	2.1	1.32292 ug/L	1.043532	1.32292 ug/L	1.043532	78.88%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

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Analytical Sequence
Method: Aqueous_6010C_311

Seq.	Loc.	ID	Status
1	9	2D25001-SCV1	
2	1	2D25001-CCB	
3	10	2D25001-CRL1	
4	11	2D25001-IFA1	
5	12	2D25001-IFA2	
6	13	2D25001-IFB1	
7	14	2D25001-IFB2	
8	4	2D25001-CCV	
9	1	2D25001-CCB	
10	31	loq	Analyzed
11	4	2D25001-CCV	QC Passed
12	1	2D25001-CCB	QC Passed

TriMatrix Laboratories, Inc.

TechLaw

Project: KNM

SDG: KNM040512

USEPA-6020A

SAMPLE ID SUMMARY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

Client Sample Id:	Lab Sample Id:
KAFB-003	1204091-01
106042	1204205-01
106089	1204205-02
106058	1204329-01
106053	1204454-01
106054	1204454-02

INORGANIC ANALYSIS DATA SHEET

USEPA-6020A

KAFB-003

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/04/12 13:31
Solids: 0.00
QC Batch: 1204544

SDG: KNM040512
Project: KNM
Laboratory ID: 1204091-01
Prepared: 04/13/12 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7439-92-1	Lead, Total	1	1.2	ug/L	0.15	1.0		04/16/12 12:27

INORGANIC ANALYSIS DATA SHEET

USEPA-6020A

106042

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/10/12 13:48
Solids: 0.00
QC Batch: 1204544

SDG: KNM040512
Project: KNM
Laboratory ID: 1204205-01
Prepared: 04/13/12 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7439-92-1	Lead, Total	1	1.0	ug/L	0.15	1.0	U	04/16/12 12:32

INORGANIC ANALYSIS DATA SHEET

USEPA-6020A

106089

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/10/12 14:45
Solids: 0.00
QC Batch: 1204544

SDG: KNM040512
Project: KNM
Laboratory ID: 1204205-02
Prepared: 04/13/12 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7439-92-1	Lead, Total	1	0.17	ug/L	0.15	1.0	J	04/16/12 12:33

INORGANIC ANALYSIS DATA SHEET

USEPA-6020A

106058

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/17/12 12:31
Solids: 0.00
QC Batch: 1205042

SDG: KNM040512
Project: KNM
Laboratory ID: 1204329-01
Prepared: 04/24/12 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7439-92-1	Lead, Total	1	0.16	ug/L	0.15	1.0	J	04/30/12 10:02

INORGANIC ANALYSIS DATA SHEET
USEPA-6020A

106053

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/24/12 10:20
Solids: 0.00
QC Batch: 1205294

SDG: KNM040512
Project: KNM
Laboratory ID: 1204454-01
Prepared: 04/30/12 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7439-92-1	Lead, Total	1	1.0	ug/L	0.15	1.0	U	05/02/12 12:19

INORGANIC ANALYSIS DATA SHEET

USEPA-6020A

106054

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
Sampled: 04/24/12 13:30
Solids: 0.00
QC Batch: 1205294

SDG: KNM040512
Project: KNM
Laboratory ID: 1204454-02
Prepared: 04/30/12 07:00
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL

CAS No.	Analyte	Dil. Factor	Conc.	Units	MDL	MRL	Q	Analyzed
7439-92-1	Lead, Total	1	1.0	ug/L	0.15	1.0	U	05/02/12 12:31

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2D16029

SDG: KNM040512
Project: KNM
Calibration: 2D16008
Instrument: 335

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D16029-CAL1	2d16029-001	04/16/12 12:11
Cal Standard	2D16029-CAL2	2d16029-002	04/16/12 12:12
Cal Standard	2D16029-CAL3	2d16029-003	04/16/12 12:14
Cal Standard	2D16029-CAL4	2d16029-004	04/16/12 12:15
Cal Standard	2D16029-CAL5	2d16029-005	04/16/12 12:16
Cal Standard	2D16029-CAL6	2d16029-006	04/16/12 12:17
Secondary Cal Check	2D16029-SCV1	2d16029-007	04/16/12 12:18
Calibration Check	2D16029-CCV1	2d16029-007	04/16/12 12:18
Calibration Blank	2D16029-CCB1	2d16029-008	04/16/12 12:19
Instrument RL Check	2D16029-CRL1	2d16029-009	04/16/12 12:20
Interference Check A	2D16029-IFA1	2d16029-010	04/16/12 12:21
Interference Check B	2D16029-IFB1	2d16029-011	04/16/12 12:22
Calibration Check	2D16029-CCV2	2d16029-012	04/16/12 12:23
Calibration Blank	2D16029-CCB2	2d16029-013	04/16/12 12:24
Blank	1204544-BLK1	2d16029-014	04/16/12 12:25
LCS	1204544-BS1	2d16029-015	04/16/12 12:26
KAFB-003	1204091-01	2d16029-016	04/16/12 12:27
KAFB-003	1204544-MS1	2d16029-017	04/16/12 12:28
KAFB-003	1204544-MSD1	2d16029-018	04/16/12 12:29
KAFB-003	2D16029-SRD1	2d16029-019	04/16/12 12:30
KAFB-003	1204544-PS1	2d16029-020	04/16/12 12:31
106042	1204205-01	2d16029-021	04/16/12 12:32
106089	1204205-02	2d16029-022	04/16/12 12:33
Calibration Check	2D16029-CCV3	2d16029-023	04/16/12 12:34
Calibration Blank	2D16029-CCB3	2d16029-024	04/16/12 12:35

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2D30002
Calibration: 2D30019
Instrument: 201

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2D30002-CAL1	2d30001-002	04/30/12 07:35
Cal Standard	2D30002-CAL2	2d30001-004	04/30/12 07:43
Cal Standard	2D30002-CAL3	2d30001-005	04/30/12 07:46
Cal Standard	2D30002-CAL4	2d30001-006	04/30/12 07:50
Cal Standard	2D30002-CAL5	2d30001-007	04/30/12 07:54
Cal Standard	2D30002-CAL6	2d30001-008	04/30/12 07:58
Secondary Cal Check	2D30002-SCV1	2d30001-009	04/30/12 08:01
Calibration Check	2D30002-CCV1	2d30001-009	04/30/12 08:01
Calibration Blank	2D30002-CCB1	2d30001-010	04/30/12 08:05
Interference Check A	2D30002-IFA1	2d30001-013	04/30/12 08:16
Instrument RL Check	2D30002-CRL1	2d30001-018	04/30/12 08:37
Interference Check B	2D30002-IFB1	2d30001-019	04/30/12 08:40
Calibration Check	2D30002-CCV2	2d30001-032	04/30/12 09:32
Calibration Blank	2D30002-CCB2	2d30001-033	04/30/12 09:36
Blank	1205042-BLK1	2d30001-035	04/30/12 09:55
LCS	1205042-BS1	2d30001-036	04/30/12 09:59
106058	1204329-01	2d30001-037	04/30/12 10:02
106058	1205042-MS1	2d30001-038	04/30/12 10:06
106058	1205042-MSD1	2d30001-039	04/30/12 10:10
106058	2D30002-SRD1	2d30001-040	04/30/12 10:13
106058	1205042-PS1	2d30001-041	04/30/12 10:17
Calibration Check	2D30002-CCV3	2d30001-042	04/30/12 10:21
Calibration Blank	2D30002-CCB3	2d30001-043	04/30/12 10:24

ANALYSIS BATCH (SEQUENCE) SUMMARY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E02024

SDG: KNM040512

Project: KNM

Calibration: 2E03001

Instrument: 201

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E02024-CAL1	2e02024-001	05/02/12 11:41
Cal Standard	2E02024-CAL2	2e02024-002	05/02/12 11:44
Cal Standard	2E02024-CAL3	2e02024-003	05/02/12 11:46
Cal Standard	2E02024-CAL4	2e02024-004	05/02/12 11:49
Cal Standard	2E02024-CAL5	2e02024-005	05/02/12 11:51
Cal Standard	2E02024-CAL6	2e02024-006	05/02/12 11:54
Secondary Cal Check	2E02024-SCV1	2e02024-007	05/02/12 11:56
Calibration Check	2E02024-CCV1	2e02024-007	05/02/12 11:56
Calibration Blank	2E02024-CCB1	2e02024-008	05/02/12 11:59
Instrument RL Check	2E02024-CRL1	2e02024-009	05/02/12 12:01
Interference Check A	2E02024-IFA1	2e02024-010	05/02/12 12:04
Interference Check B	2E02024-IFB1	2e02024-011	05/02/12 12:06
Calibration Check	2E02024-CCV2	2e02024-012	05/02/12 12:09
Calibration Blank	2E02024-CCB2	2e02024-013	05/02/12 12:11
Blank	1205294-BLK1	2e02024-014	05/02/12 12:14
LCS	1205294-BS1	2e02024-015	05/02/12 12:16
106053	1204454-01	2e02024-016	05/02/12 12:19
106053	1205294-MS1	2e02024-017	05/02/12 12:21
106053	1205294-MSD1	2e02024-018	05/02/12 12:24
106053	2E02024-SRD1	2e02024-019	05/02/12 12:26
106053	1205294-PS1	2e02024-020	05/02/12 12:29
106054	1204454-02	2e02024-021	05/02/12 12:31
Calibration Check	2E02024-CCV3	2e02024-022	05/02/12 12:34
Calibration Blank	2E02024-CCB3	2e02024-023	05/02/12 12:36

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2D16029
Calibration: 2D16008
Control Limt: +/- 10.00%
Instrument ID: 335

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
2D16029-CCV1	Lead	40.0	39.1	98	ug/L	04/16/12 12:18
2D16029-CCV2	Lead	40.0	39.0	98	ug/L	04/16/12 12:23
2D16029-CCV3	Lead	40.0	38.2	96	ug/L	04/16/12 12:34

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2D30002
Calibration: 2D30019
Control Limt: +/- 10.00%
Instrument ID: 201

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
2D30002-CCV1	Lead	40.0	37.6	94	ug/L	04/30/12 08:01
2D30002-CCV2	Lead	40.0	37.6	94	ug/L	04/30/12 09:32
2D30002-CCV3	Lead	40.0	37.7	94	ug/L	04/30/12 10:21

* Values outside of QC limits

INITIAL AND CONTINUING CALIBRATION CHECK

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2E02024
Calibration: 2E03001
Control Limt: +/- 10.00%
Instrument ID: 201

Lab Sample ID	Analyte	True	Found	%R	Units	Analyzed
2E02024-CCV1	Lead	40.0	38.7	97	ug/L	05/02/12 11:56
2E02024-CCV2	Lead	40.0	38.1	95	ug/L	05/02/12 12:09
2E02024-CCV3	Lead	40.0	38.0	95	ug/L	05/02/12 12:34

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2D16029-SCV1
Instrument: 335
Sequence: 2D16029
Calibration: 2D16008

Analyte	Expected	Found	% R	QC Limit	Units
Lead	40.0	39.1	98	90-110	ug/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2D30002-SCV1
Instrument: 201
Sequence: 2D30002
Calibration: 2D30019

Analyte	Expected	Found	% R	QC Limit	Units
Lead	40.0	37.6	94	90-110	ug/L

* Values outside of QC limits

SECOND-SOURCE CALIBRATION VERIFICATION

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Laboratory ID: 2E02024-SCV1
Instrument: 201
Sequence: 2E02024
Calibration: 2E03001

Analyte	Expected	Found	% R	QC Limit	Units
Lead	40.0	38.7	97	90-110	ug/L

* Values outside of QC limits

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D16029

SDG: KNM040512

Project: KNM

Calibration: 2D16008

Instrument ID: 335

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2D16029-CRL1	Lead	1.00	1.03	103	ug/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D30002

SDG: KNM040512

Project: KNM

Calibration: 2D30019

Instrument ID: 201

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2D30002-CRL1	Lead	1.00	1.01	101	ug/L	50 - 150

* Values outside of QC limits

CRDL STANDARD

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E02024

SDG: KNM040512

Project: KNM

Calibration: 2E03001

Instrument ID: 201

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2E02024-CRL1	Lead	1.00	1.01	101	ug/L	50 - 150

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2D16029
Calibration: 2D16008
Instrument ID: 335

Lab Sample ID	Analyte	Found	Unit	MDL	MRL	C	Analyzed
2D16029-CCB1	Lead	0.00025	ug/L	0.15	1.0	U	04/16/12 12:19
2D16029-CCB2	Lead	0.0066	ug/L	0.15	1.0	U	04/16/12 12:24
2D16029-CCB3	Lead	-0.0020	ug/L	0.15	1.0	U	04/16/12 12:35

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Sequence: 2D30002

SDG: KNM040512
Project: KNM
Calibration: 2D30019
Instrument ID: 201

Lab Sample ID	Analyte	Found	Unit	MDL	MRL	C	Analyzed
2D30002-CCB1	Lead	0.0031	ug/L	0.15	1.0	U	04/30/12 08:05
2D30002-CCB2	Lead	0.0020	ug/L	0.15	1.0	U	04/30/12 09:36
2D30002-CCB3	Lead	0.0040	ug/L	0.15	1.0	U	04/30/12 10:24

* Values outside of QC limits

BLANKS
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Sequence: 2E02024
Calibration: 2E03001
Instrument ID: 201

Lab Sample ID	Analyte	Found	Unit	MDL	MRL	C	Analyzed
2E02024-CCB1	Lead	0.0027	ug/L	0.15	1.0	U	05/02/12 11:59
2E02024-CCB2	Lead	0.0026	ug/L	0.15	1.0	U	05/02/12 12:11
2E02024-CCB3	Lead	0.0035	ug/L	0.15	1.0	U	05/02/12 12:36

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D16029

SDG: KNM040512

Project: KNM

Calibration: 2D16008

Instrument ID: 335

Lab Sample ID	Analyte	True	Found	%R	Units
2D16029-IFA1	Lead	0.00	0.140		ug/L
2D16029-IFB1	Lead	20.0	19.0	95	ug/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2D30002

SDG: KNM040512

Project: KNM

Calibration: 2D30019

Instrument ID: 201

Lab Sample ID	Analyte	True	Found	%R	Units
2D30002-IFA1	Lead	0.00	0.0104		ug/L
2D30002-IFB1	Lead	20.0	19.2	96	ug/L

* Values outside of QC limits

ICP INTERFERENCE CHECK SAMPLE

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Sequence: 2E02024

SDG: KNM040512

Project: KNM

Calibration: 2E03001

Instrument ID: 201

Lab Sample ID	Analyte	True	Found	%R	Units
2E02024-IFA1	Lead	0.00	0.00666		ug/L
2E02024-IFB1	Lead	20.0	19.7	99	ug/L

* Values outside of QC limits

QC BATCH SUMMARY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

QC Batch: 1204544 QC Batch Matrix: Water Preparation: 3020A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
KAFB-003	1204091-01	04/13/12 07:00	
106042	1204205-01	04/13/12 07:00	
106089	1204205-02	04/13/12 07:00	
Blank	1204544-BLK1	04/13/12 07:00	
LCS	1204544-BS1	04/13/12 07:00	
KAFB-003	1204544-MS1	04/13/12 07:00	
KAFB-003	1204544-MSD1	04/13/12 07:00	

QC BATCH SUMMARY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

QC Batch: 1205042

QC Batch Matrix: Water

Preparation: 3020A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
106058	1204329-01	04/24/12 07:00	
Blank	1205042-BLK1	04/24/12 07:00	
LCS	1205042-BS1	04/24/12 07:00	
106058	1205042-MS1	04/24/12 07:00	
106058	1205042-MSD1	04/24/12 07:00	

QC BATCH SUMMARY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

SDG: KNM040512

Client: TechLaw

Project: KNM

QC Batch: 1205294

QC Batch Matrix: Water

Preparation: 3020A Digestion

Sample Name	Lab Sample ID	Date Prepared	Observations
106053	1204454-01	04/30/12 07:00	
106054	1204454-02	04/30/12 07:00	
Blank	1205294-BLK1	04/30/12 07:00	
LCS	1205294-BS1	04/30/12 07:00	
106053	1205294-MS1	04/30/12 07:00	
106053	1205294-MSD1	04/30/12 07:00	

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1204544-BLK1
File ID: 2d16029-014
Prepared: 04/13/12 07:00
Analyzed: 04/16/12 12:25
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1204544
Sequence: 2D16029
Calibration: 2D16008
Instrument: 335

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
7439-92-1	Lead, Total	0.16	ug/L	0.15	1.0	J

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc. SDG: KNM040512

Client: TechLaw Project: KNM

Matrix: Water Laboratory ID: 1205042-BLK1 File ID: 2d30001-035

Prepared: 04/24/12 07:00 Analyzed: 04/30/12 09:55

Preparation: 3020A Digestion Initial/Final: 25 mL / 25 mL

QC Batch: 1205042 Sequence: 2D30002 Calibration: 2D30019 Instrument: 201

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
7439-92-1	Lead, Total	1.0	ug/L	0.15	1.0	U

METHOD BLANK DATA SHEET
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
SDG: KNM040512
Client: TechLaw
Project: KNM
Matrix: Water
Laboratory ID: 1205294-BLK1
File ID: 2e02024-014
Prepared: 04/30/12 07:00
Analyzed: 05/02/12 12:14
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL
QC Batch: 1205294
Sequence: 2E02024
Calibration: 2E03001
Instrument: 201

CAS No.	Analyte	Concentration	Unit	MDL	MRL	Q
7439-92-1	Lead, Total	1.0	ug/L	0.15	1.0	U

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

USEPA-6020A

KAFB-003

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1204544

SDG: KNM040512

Project: KNM

Laboratory ID: 1204544-MS1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Lead, Total	50.0	1.24	49.1	96	75 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

KAFB-003

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1204544

SDG: KNM040512

Project: KNM

Laboratory ID: 1204544-MSD1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Lead, Total	50.0	48.1	94	2	20	75 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106058

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205042

SDG: KNM040512

Project: KNM

Laboratory ID: 1205042-MS1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Lead, Total	50.0	0.164	46.7	93	75 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106058

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205042

SDG: KNM040512

Project: KNM

Laboratory ID: 1205042-MSD1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Lead, Total	50.0	46.2	92	1	20	75 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106053

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205294

SDG: KNM040512

Project: KNM

Laboratory ID: 1205294-MS1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	Sample Conc.	MS Conc.	MS % Rec. #	QC Limits Rec.	Units
Lead, Total	50.0	ND	47.1	94	75 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

106053

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205294

SDG: KNM040512

Project: KNM

Laboratory ID: 1205294-MSD1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

Analyte	Spike Added	MSD Conc.	MSD % Rec. #	% RPD #	QC Limits RPD	QC Limits Rec.	Units
Lead, Total	50.0	46.1	92	2	20	75 - 125	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

KAFB-003

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3020A Digestion
QC Batch: 1204544

SDG: KNM040512
Project: KNM
Laboratory ID: 1204544-PS1
Lab Source ID: 1204091-01
Initial/Final: 4 mL / 4 mL
Sequence: 2D16029

Analyte	Spike Sample Result (SSR)	Sample Result (SR)	Units	Spike Added (SA)	%R	Control Limit %R
Lead, Total	20.8	1.24	ug/L	20.0	98	80 - 120

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

106058

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3020A Digestion
QC Batch: 1205042

SDG: KNM040512
Project: KNM
Laboratory ID: 1205042-PS1
Lab Source ID: 1204329-01
Initial/Final: 4 mL / 4 mL
Sequence: 2D30002

Analyte	Spike Sample Result (SSR)	Sample Result (SR)	Units	Spike Added (SA)	%R	Control Limit %R
Lead, Total	19.6	0.164	ug/L	20.0	97	80 - 120

* Values outside of QC limits

POST DIGEST SPIKE SAMPLE RECOVERY

USEPA-6020A

106053

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
Preparation: 3020A Digestion
QC Batch: 1205294

SDG: KNM040512
Project: KNM
Laboratory ID: 1205294-PS1
Lab Source ID: 1204454-01
Initial/Final: 4 mL / 4 mL
Sequence: 2E02024

Analyte	Spike Sample Result (SSR)	Sample Result (SR)	Units	Spike Added (SA)	%R	Control Limit %R
Lead, Total	19.2	0.125	ug/L	20.0	95	80 - 120

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM040512
Project: KNM
Laboratory ID: 1204544-BS1
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL

QC Batch: 1204544
Sequence: 2D16029

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Lead, Total	50.0	47.5	95	80 - 120	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Matrix: Water

QC Batch: 1205042

SDG: KNM040512

Project: KNM

Laboratory ID: 1205042-BS1

Preparation: 3020A Digestion

Initial/Final: 25 mL / 25 mL

Sequence: 2D30002

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Lead, Total	50.0	44.4	89	80 - 120	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water

SDG: KNM040512
Project: KNM
Laboratory ID: 1205294-BS1
Preparation: 3020A Digestion
Initial/Final: 25 mL / 25 mL

QC Batch: 1205294
Sequence: 2E02024

Analyte	Spike Added	LCS Conc.	LCS % Rec. #	QC Limits Rec.	Units
Lead, Total	50.0	46.1	92	80 - 120	ug/L

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

SERIAL DILUTION

USEPA-6020A

KAFB-003

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
QC Batch: 2D16029

SDG: KNM040512
Project: KNM
Laboratory ID: 2D16029-SRD1
Lab Source ID: 1204091-01
Sequence: 2D16029

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Lead, Total	1.24		1.31	J	6.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION

USEPA-6020A

106058

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
QC Batch: 2D30002

SDG: KNM040512
Project: KNM
Laboratory ID: 2D30002-SRD1
Lab Source ID: 1204329-01
Sequence: 2D30002

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Lead, Total	0.164	J	0.280	U	71.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

SERIAL DILUTION

USEPA-6020A

106053

Laboratory: TriMatrix Laboratories, Inc.
Client: TechLaw
Matrix: Water
% Solids:
QC Batch: 2E02024

SDG: KNM040512
Project: KNM
Laboratory ID: 2E02024-SRD1
Lab Source ID: 1204454-01
Sequence: 2E02024

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Units	QC Limits % Difference
Lead, Total	0.125	U	0.118	U	6.0 #		ug/L	10

* Values outside of QC limits

Initial Sample Result (I) was less than 50xMDL (for 6010) or 100xMDL (for 6020), therefore serial dilution is not required.

HOLDING TIME SUMMARY
USEPA-6020A

Laboratory: TriMatrix Laboratories, Inc.

Client: TechLaw

Total Metals

SDG: KNM040512

Project: KNM

Sample Name	Date Collected	Date Received	Date Leached	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
KAFB-003	04/04/12	04/05/12		04/13/12	9	NA	04/16/12	12	180	
106042	04/10/12	04/11/12		04/13/12	3	NA	04/16/12	6	180	
106089	04/10/12	04/11/12		04/13/12	3	NA	04/16/12	6	180	
106058	04/17/12	04/18/12		04/24/12	7	NA	04/30/12	13	180	
106053	04/24/12	04/25/12		04/30/12	6	NA	05/02/12	8	180	
106054	04/24/12	04/25/12		04/30/12	6	NA	05/02/12	8	180	

Metals, Water, 3020A Digestion

Batch comments:

MAS 04/13/12 7:00AM-4:00PM
INST#217@93.9-92.6C#250
HOTBLOCK VESSEL LOT#1111173

91367

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1204091-01	L	Apr-13-12 07:00	MAS	25	25	TechLaw			
Pb Total 6020									
1204205-01	L	Apr-13-12 07:00	MAS	25	25	TechLaw			
Pb Total 6020									
1204205-02	L	Apr-13-12 07:00	MAS	25	25	TechLaw			
Pb Total 6020									
1204544-BLK1		Apr-13-12 07:00	MAS	25	25				
1204544-BS1		Apr-13-12 07:00	MAS	25	25		2030704	25	
1204544-MS1		Apr-13-12 07:00	MAS	25	25	1204091-01	2030704	25	
1204544-MSD1		Apr-13-12 07:00	MAS	25	25	1204091-01	2030704	25	
1204544-PS1		Apr-16-12 12:00	MSM	4	4	1204091-01	1100851	20	

Comments:

Analyst Initials:

Metals, Water, 3020A Digestion

Batch comments:

MAS 04/24/12 7:00AM-4:00PM
INST#217@93.9-92.6C#250
HOTBLOCK VESSEL LOT#1202052

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1204329-01	L	Apr-24-12 07:00	MAS	25	25	TechLaw			
Pb Total 6020									
1205042-BLK1		Apr-24-12 07:00	MAS	25	25				
1205042-BS1		Apr-24-12 07:00	MAS	25	25		2030704	25	
1205042-MS1		Apr-24-12 07:00	MAS	25	25	1204329-01	2030704	25	
1205042-MSD1		Apr-24-12 07:00	MAS	25	25	1204329-01	2030704	25	
1205042-PS1		Apr-30-12 07:00	DSC	4	4	1204329-01	1100851	20	

Comments:

Analyst Initials:

91868

Metals, Water, 3020A Digestion

Batch comments:

mas 04/30/12 7:00am-4:00pm
inst#217@93.9-92.6c#250
hotblock vessel lot#1202052

Lab Number	Container	Prepared	By	Initial (mL)	Final (mL)	Client Source ID	Client Spike ID	Client uL Spike	Comments
1204454-01	L	Apr-30-12 07:00	MAS	25	25	TechLaw			
Pb Total 6020									
1204454-02	L	Apr-30-12 07:00	MAS	25	25	TechLaw			
Pb Total 6020									
1205294-BLK1		Apr-30-12 07:00	MAS	25	25				
1205294-BS1		Apr-30-12 07:00	MAS	25	25		2030704	25	
1205294-MS1		Apr-30-12 07:00	MAS	25	25	1204454-01	2030704	25	
1205294-MSD1		Apr-30-12 07:00	MAS	25	25	1204454-01	2030704	25	
1205294-PS1		May-02-12 07:00	KLV	4	4	1204454-01	1100851	20	

Comments:

Analyst Initials:

91399

4MD due 4/18

TRIMATRIX LABORATORIES

CALID: 2D16008

Metals Laboratory Instrument Run Sequence

Instrument #: 335

Date: 4/16/18

Analyst: MSM

Data File: 2D16029

Calibration BLK/ICB/CCB: 5%HNO3# 51061

Internal Standard #: 2020479

Autosampler Position:

Pb

1. CAL1BLK/ICB/CCB/1120011
2. CAL2 0.2 ug/L 1120010
3. CAL3 1.0 ug/L 1120009
4. CAL4 10 ug/L 1120008
5. CAL5 20 ug/L 1120007
6. CAL6 50 ug/L 1120006
7. CAL7 100 ug/L 1120005
8. ICV/SCV/CCV 40ug/L 2021185
101. IFA1 2021186
102. IFB1 2021187

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
103	1204544-blk1				137				
104	-bs1				138				
105	1204091-01				139				
106	-ms1				140				
107	-msd1				141				
108	-srd1				142				
109	-ps1				143				
110	1204205-01				144				
111	-or				145				
112					146				
113					147				
114					148				
115					149				
116					150				
117					151				
118					152				
119					153				
120					154				
121					155				
122					156				
123					157				
124					158				
125					159				
126					160				
127					201				
128					202				
129					203				
130					204				
131					205				
132					206				
133					207				
134					208				
135					209				
136					210				

Instrument Mass Calibration Report

File Name: 16APRIL2012_6020A_A.tun
File Path: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Peak Width	Custom Res.
Li	7.016	7.025	1312	2009	0.834	
Co	58.933	59.025	11697	2005	0.840	
In	114.904	114.925	22853	2010	0.837	
Ba	137.905	137.925	27441	2014	0.842	
Ce	139.905	139.925	27835	2012	0.851	
Tl	204.975	205.025	40824	2020	0.824	

01871

Daily Performance Report

Sample ID: Daily Performance Check
Sample Date/Time: Monday, April 16, 2012 12:07:39
Sample Description:
Method File: C:\NexIONData\Method\9_6020A_Daily.mth
Dataset File: C:\NexIONData\DataSet\1SmartTune\2012\APRIL\Daily Performance Check.289
MassCal File: C:\NexIONData\MassCal\16APRIL2012_6020A_A.tun
Conditions File: C:\NexIONData\Conditions\16APRIL2012_6020A.dac
Dual Detector Mode: Dual

Acq. Dead Time (ns): 35
Current Dead Time (ns): 35

Number of Replicates: 6

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	62800.4	62800.412	633.742	1.0
	Co	58.9	115736.9	115736.946	629.286	0.5
	In	114.9	445203.4	445203.410	3290.783	0.7
	Tl	205.0	251357.5	251357.477	1950.056	0.8
⌈>	Ce	139.9	378238.6	378238.592	1809.437	0.5
⌊	CeO	155.9	8962.5	0.024	0.001	3.2
⌈>	Ba	137.9	307670.9	307670.907	3640.070	1.2
⌊	Ba++	69.0	2361.2	0.008	0.000	3.6
	Bkgd	220.0	0.0	0.000	0.000	

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	64051.269	64051.269
Co	59	114841.754	114841.754
In	115	440609.595	440609.595
Tl	205	250033.097	250033.097
Ce	140	375784.323	375784.323
CeO	156	9028.852	0.024
Ba	138	306463.329	306463.329
Ba++	69	2382.199	0.008
Bkgd	220	0.000	0.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	62544.615	62544.615
Co	59	116236.970	116236.970
In	115	444538.544	444538.544
Tl	205	249532.457	249532.457
Ce	140	378198.800	378198.800
CeO	156	8698.648	0.023
Ba	138	303271.446	303271.446
Ba++	69	2442.209	0.008
Bkgd	220	0.000	0.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	62333.696	62333.696
Co	59	115930.495	115930.495
In	115	442546.094	442546.094
Tl	205	251740.696	251740.696
Ce	140	377163.975	377163.975
CeO	156	8734.669	0.023
Ba	138	306955.989	306955.989
Ba++	69	2248.177	0.007
Bkgd	220	0.000	0.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	62827.854	62827.854
Co	59	116099.862	116099.862
In	115	447884.661	447884.661

Tl	205	254366.600	254366.600
Ce	140	380866.281	380866.281
CeO	156	9317.037	0.024
Ba	138	313238.359	313238.359
Ba++	69	2324.189	0.007
Bkgd	220	0.000	0.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	62472.300	62472.300
Co	59	116267.215	116267.215
In	115	446296.087	446296.087
Tl	205	252768.609	252768.609
Ce	140	379669.037	379669.037
CeO	156	9339.052	0.025
Ba	138	310660.128	310660.128
Ba++	69	2448.210	0.008
Bkgd	220	0.000	0.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	62572.738	62572.738
Co	59	115045.383	115045.383
In	115	449345.477	449345.477
Tl	205	249703.405	249703.405
Ce	140	377749.135	377749.135
CeO	156	8656.622	0.023
Ba	138	305436.189	305436.189
Ba++	69	2322.189	0.008
Bkgd	220	0.000	0.000

Sample/Batch Report

User Name: analystME
Computer Name: NEXION300X_44
Sample File: C:\NexION Data\Sample\2d16029.sam
Report Date/Time: Monday, April 16, 2012 12:10:24

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
103		1204544-blk1		Sample					
104		1204544-bs1		Sample					
105		1204091-01		Sample					
106		1204544-ms1		Sample					
107		1204544-msd1		Sample					
108		2d16029-srd1		Sample					
109		1204544-ps1		Sample					
110		1204205-01		Sample					
111		1204205-02		Sample					

01874

Sample Information

Sample ID: 2d16029-cal1
Autosampler Position: 1
Sample Date/Time: Monday, April 16, 2012 12:11:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\2d16029-cal1.001
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	522.335					ug/L
[>	Bi	209	498056.442					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	517.002			ug/L
[	Bi	209	493261.210			ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	535.002			ug/L
[	Bi	209	501782.398			ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	515.002			ug/L
[	Bi	209	499125.719			ug/L

Sample Information

Sample ID: 2d16029-cal2
Autosampler Position: 3
Sample Date/Time: Monday, April 16, 2012 12:12:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\2d16029-cal2.002
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	5704.939	0.010	1.000000	0.024	2.366	ug/L
[>	Bi	209	500479.254	500479.254				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	5673.601	0.010	0.994275	ug/L
Bi	209	500308.016	500308.016		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	5821.626	0.011	1.026000	ug/L
Bi	209	498914.531	498914.531		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	5619.592	0.010	0.979725	ug/L
Bi	209	502215.215	502215.215		ug/L

01876

Sample Information

Sample ID: 2d16029-cal3
Autosampler Position: 4
Sample Date/Time: Monday, April 16, 2012 12:14:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexIONData\Sample\2d16029.sam
Method File: C:\NexIONData\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexIONData\Dataset\2d16029\2d16029-cal3.003
Tuning File: C:\NexIONData\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexIONData\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	54356.413	0.108	10.004139	0.207	2.066	ug/L
[>	Bi	209	498497.778	498497.778				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	54257.670	0.108	10.035500	ug/L
Bi	209	495920.957	495920.957		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	54481.893	0.110	10.193345	ug/L
Bi	209	490332.947	490332.947		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	54329.575	0.106	9.783571	ug/L
Bi	209	509239.429	509239.429		ug/L

01877

Sample Information

Sample ID: 2d16029-cal4
Autosampler Position: 5
Sample Date/Time: Monday, April 16, 2012 12:15:04
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexIONData\Sample\2d16029.sam
Method File: C:\NexIONData\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexIONData\Dataset\2d16029\2d16029-cal4.004
Tuning File: C:\NexIONData\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexIONData\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	104053.132	0.209	19.867590	0.506	2.549	ug/L
[>	Bi	209	495436.564	495436.564				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	103512.137	0.208	19.770514	ug/L
Bi	209	495111.597	495111.597		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	104934.813	0.215	20.415558	ug/L
Bi	209	486135.074	486135.074		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	103712.446	0.204	19.416698	ug/L
Bi	209	505063.020	505063.020		ug/L

01878

Sample Information

Sample ID: 2d16029-cal5
Autosampler Position: 6
Sample Date/Time: Monday, April 16, 2012 12:16:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\2d16029-cal5.005
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	254771.082	0.510	49.742353	0.925	1.860	ug/L
L>	Bi	209	498277.643	498277.643				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
L>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	255012.419	0.508	49.543999	ug/L
Bi	209	500742.860	500742.860		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	259513.943	0.521	50.750483	ug/L
Bi	209	497492.196	497492.196		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	249786.885	0.502	48.932578	ug/L
Bi	209	496597.873	496597.873		ug/L

01879

Sample Information

Sample ID: 2d16029-cal6
Autosampler Position: 7
Sample Date/Time: Monday, April 16, 2012 12:17:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\2d16029-cal6.006
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	513450.076	1.039	100.303973	0.544	0.542	ug/L
⌊>	Bi	209	493462.150	493462.150				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	507505.535	1.034	99.797888	ug/L
⌊	Bi	209	490227.416	490227.416		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	517771.034	1.045	100.879444	ug/L
⌊	Bi	209	494786.624	494786.624		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	515073.659	1.039	100.234587	ug/L
⌊	Bi	209	495372.409	495372.409		ug/L

01880

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Pb	207.977	Linear Thru Zero	0.01	0.00	0.999966
Bi	208.980	Linear Thru Zero	0.00	0.00	0.000000

Method Equation

Analyte	Mass	Corrections
Pb	207.977	+1*Pb206+1*207

01881

Sample Information

Sample ID: 2d16029-scv1
Autosampler Position: 8
Sample Date/Time: Monday, April 16, 2012 12:18:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\2d16029-scv1.007
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	199764.565	0.406	39.133074	0.189	0.483	ug/L
⌊>	Bi	209	491311.173	491311.173				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	98.646

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	199233.145	0.406	39.189321	ug/L
Bi	209	489319.056	489319.056		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	203296.611	0.407	39.287758	ug/L
Bi	209	498051.176	498051.176		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	196763.938	0.403	38.922145	ug/L
Bi	209	486563.288	486563.288		ug/L

01882

Sample Information

Sample ID: 2d16029-ccb
Autosampler Position: 1
Sample Date/Time: Monday, April 16, 2012 12:19:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\2d16029-ccb.008
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	505.002	0.000	0.000250	0.005	2040.169	ug/L
⌊>	Bi	209	480487.477	480487.477				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	96.472

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	525.002	0.000	0.005643	ug/L
Bi	209	474160.528	474160.528		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	483.002	-0.000	-0.004494	ug/L
Bi	209	481954.958	481954.958		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	507.002	-0.000	-0.000399	ug/L
Bi	209	485346.944	485346.944		ug/L

01883

Sample Information

Sample ID: 2d16029-crl1
Autosampler Position: 3
Sample Date/Time: Monday, April 16, 2012 12:20:18
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\2d16029-crl1.009
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	5728.945	0.011	1.031829	0.030	2.883	ug/L
⌊>	Bi	209	487898.055	487898.055				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	97.960

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	5623.594	0.010	1.006789	ug/L
Bi	209	489774.264	489774.264		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	5633.593	0.011	1.023991	ug/L
Bi	209	483144.131	483144.131		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	5929.647	0.011	1.064705	ug/L
Bi	209	490775.770	490775.770		ug/L

01884

Sample Information

Sample ID: 2d16029-ifa1
Autosampler Position: 101
Sample Date/Time: Monday, April 16, 2012 12:21:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\2d16029-ifa1.010
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	1141.684	0.001	0.140221	0.006	3.925	ug/L
[>	Bi	209	456345.821	456345.821				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	91.625

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	1143.017	0.001	0.142610	ug/L
[>	Bi	209	452393.443	452393.443		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	1115.017	0.001	0.133927	ug/L
[>	Bi	209	457607.631	457607.631		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	1167.016	0.001	0.144127	ug/L
[>	Bi	209	459036.389	459036.389		ug/L

Sample Information

Sample ID: 2d16029-ifb1
Autosampler Position: 102
Sample Date/Time: Monday, April 16, 2012 12:22:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\2d16029-ifb1.011
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	90702.420	0.197	18.977312	0.188	0.988	ug/L
⌊>	Bi	209	458793.835	458793.835				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	92.117

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	90502.141	0.195	18.773994	ug/L
Bi	209	462685.316	462685.316		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	90618.785	0.198	19.143554	ug/L
Bi	209	454385.182	454385.182		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	90986.335	0.197	19.014386	ug/L
Bi	209	459311.007	459311.007		ug/L

Sample Information

Sample ID: 2d16029-ccv
Autosampler Position: 8
Sample Date/Time: Monday, April 16, 2012 12:23:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexIONData\Sample\2d16029.sam
Method File: C:\NexIONData\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexIONData\Dataset\2d16029\2d16029-ccv.012
Tuning File: C:\NexIONData\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexIONData\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	197525.098	0.404	39.002796	0.730	1.870	ug/L
[>	Bi	209	487482.716	487482.716				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	97.877

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	198315.238	0.411	39.704430	ug/L
[>	Bi	209	480761.746	480761.746		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	200098.031	0.405	39.055682	ug/L
[>	Bi	209	493120.474	493120.474		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	194162.024	0.396	38.248276	ug/L
[>	Bi	209	488565.927	488565.927		ug/L

01887

Sample Information

Sample ID: 2d16029-ccb
Autosampler Position: 1
Sample Date/Time: Monday, April 16, 2012 12:24:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexIONData\Sample\2d16029.sam
Method File: C:\NexIONData\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexIONData\Dataset\2d16029\2d16029-ccb.013
Tuning File: C:\NexIONData\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexIONData\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	546.336	0.000	0.006648	0.006	91.669	ug/L
⌊>	Bi	209	489031.064	489031.064				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	98.188

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	575.003	0.000	0.013680	ug/L
Bi	209	482989.016	482989.016		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	529.002	0.000	0.003385	ug/L
Bi	209	488090.068	488090.068		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	535.002	0.000	0.002881	ug/L
Bi	209	496014.109	496014.109		ug/L

Sample Information

Sample ID: 1204544-blk1
Autosampler Position: 103
Sample Date/Time: Monday, April 16, 2012 12:25:33
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\1204544-blk1.014
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	1384.386	0.002	0.163628	0.260	159.149	ug/L
[>	Bi	209	504024.751	504024.751				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	101.198

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	559.002	0.000	0.006370	ug/L
[>	Bi	209	501457.275	501457.275		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	637.004	0.000	0.020296	ug/L
[>	Bi	209	505930.935	505930.935		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	2957.152	0.005	0.464217	ug/L
[>	Bi	209	504686.043	504686.043		ug/L

01889

Sample Information

Sample ID: 1204544-bs1
Autosampler Position: 104
Sample Date/Time: Monday, April 16, 2012 12:26:35
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexIONData\Sample\2d16029.sam
Method File: C:\NexIONData\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexIONData\Dataset\2d16029\1204544-bs1.015
Tuning File: C:\NexIONData\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexIONData\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	243541.706	0.492	47.470594	0.723	1.523	ug/L
⌊>	Bi	209	494092.437	494092.437				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	99.204

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	243946.097	0.493	47.583608	ug/L
Bi	209	493664.798	493664.798		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	243334.221	0.484	46.697992	ug/L
Bi	209	501745.122	501745.122		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	243344.799	0.499	48.130182	ug/L
Bi	209	486867.390	486867.390		ug/L

Sample Information

Sample ID: 1204091-01
Autosampler Position: 105
Sample Date/Time: Monday, April 16, 2012 12:27:38
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\1204091-01.016
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	6325.742	0.013	1.235489	0.027	2.210	ug/L
[>	Bi	209	456642.336	456642.336				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	91.685

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	6147.700	0.012	1.203973	ug/L
[	Bi	209	454529.671	454529.671		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	6443.766	0.013	1.250321	ug/L
[	Bi	209	460081.206	460081.206		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
[	Pb	208	6385.759	0.013	1.252172	ug/L
[	Bi	209	455316.130	455316.130		ug/L

01891

Sample Information

Sample ID: 1204544-ms1
Autosampler Position: 106
Sample Date/Time: Monday, April 16, 2012 12:28:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\1204544-ms1.017
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	234907.261	0.508	49.065225	0.774	1.578	ug/L
⌊>	Bi	209	461082.048	461082.048				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	92.576

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	231853.861	0.506	48.861447	ug/L
⌊-	Bi	209	456949.045	456949.045		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	234945.248	0.502	48.413349	ug/L
⌊-	Bi	209	467318.524	467318.524		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	237922.675	0.517	49.920680	ug/L
⌊-	Bi	209	458978.575	458978.575		ug/L

01892

Sample Information

Sample ID: 1204544-msd1
Autosampler Position: 107
Sample Date/Time: Monday, April 16, 2012 12:29:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexIONData\Sample\2d16029.sam
Method File: C:\NexIONData\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexIONData\Dataset\2d16029\1204544-msd1.018
Tuning File: C:\NexIONData\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexIONData\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	232969.911	0.499	48.132418	0.852	1.770	ug/L
⌊>	Bi	209	466162.748	466162.748				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	93.596

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	231023.031	0.491	47.392410	ug/L
Bi	209	469394.962	469394.962		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	233432.291	0.508	49.063939	ug/L
Bi	209	458165.077	458165.077		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	234454.410	0.497	47.940905	ug/L
Bi	209	470928.204	470928.204		ug/L

Sample Information

Sample ID: 2d16029-srd1
Autosampler Position: 108
Sample Date/Time: Monday, April 16, 2012 12:30:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\2d16029-srd1.019
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Pb	208	1807.717	0.003	0.261532	0.021	8.081	ug/L
>	Bi	209	481047.687	481047.687				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Pb	207.977	
>	Bi	208.980	96.585

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	1911.058	0.003	0.285827	ug/L
Bi	209	476483.947	476483.947		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	1735.045	0.003	0.247402	ug/L
Bi	209	480282.008	480282.008		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	1777.049	0.003	0.251367	ug/L
Bi	209	486377.106	486377.106		ug/L

01894

Sample Information

Sample ID: 1204544-ps1
Autosampler Position: 109
Sample Date/Time: Monday, April 16, 2012 12:31:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\1204544-ps1.020
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Pb	208	98713.277	0.215	20.795150	0.181	0.870	ug/L
>	Bi	209	455885.705	455885.705				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Pb	207.977	
>	Bi	208.980	91.533

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	98736.827	0.217	20.982220	ug/L
Bi	209	451914.641	451914.641		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	96695.449	0.214	20.621147	ug/L
Bi	209	464252.964	464252.964		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	97707.553	0.215	20.782083	ug/L
Bi	209	451489.511	451489.511		ug/L

01895

Sample Information

Sample ID: 1204205-01
Autosampler Position: 110
Sample Date/Time: Monday, April 16, 2012 12:32:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\1204205-01.021
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	865.009	0.001	0.080630	0.018	22.584	ug/L
[>	Bi	209	459042.700	459042.700				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	92.167

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	773.007	0.001	0.061061	ug/L
Bi	209	459707.458	459707.458		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	947.011	0.001	0.097076	ug/L
Bi	209	460890.681	460890.681		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	875.009	0.001	0.083751	ug/L
Bi	209	456529.961	456529.961		ug/L

01896

Sample Information

Sample ID: 1204205-02
Autosampler Position: 111
Sample Date/Time: Monday, April 16, 2012 12:33:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexIONData\Sample\2d16029.sam
Method File: C:\NexIONData\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexIONData\Dataset\2d16029\1204205-02.022
Tuning File: C:\NexIONData\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexIONData\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
[	Pb	208	1291.691	0.002	0.167759	0.013	7.881	ug/L
[>	Bi	209	463543.397	463543.397				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
[	Pb	207.977	
[>	Bi	208.980	93.070

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	1271.023	0.002	0.163164	ug/L
Bi	209	463945.204	463945.204		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	1353.027	0.002	0.182665	ug/L
Bi	209	459949.051	459949.051		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	1251.022	0.002	0.157448	ug/L
Bi	209	466735.935	466735.935		ug/L

Sample Information

Sample ID: 2d16029-ccv
Autosampler Position: 8
Sample Date/Time: Monday, April 16, 2012 12:34:53
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexION Data\Sample\2d16029.sam
Method File: C:\NexION Data\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexION Data\Dataset\2d16029\2d16029-ccv.023
Tuning File: C:\NexION Data\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexION Data\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	197072.686	0.396	38.227687	0.851	2.226	ug/L
⌊>	Bi	209	496234.544	496234.544				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	99.634

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	195247.911	0.396	38.221081	ug/L
Bi	209	491646.971	491646.971		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	200271.543	0.405	39.081907	ug/L
Bi	209	493217.747	493217.747		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	195698.605	0.387	37.380074	ug/L
Bi	209	503838.914	503838.914		ug/L

01898

Sample Information

Sample ID: 2d16029-ccb
Autosampler Position: 1
Sample Date/Time: Monday, April 16, 2012 12:35:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\NexIONData\Sample\2d16029.sam
Method File: C:\NexIONData\Method\1_TriMatrix_Aqueous_6020A_335.mth
Dataset File: C:\NexIONData\Dataset\2d16029\2d16029-ccb.024
Tuning File: C:\NexIONData\MassCal\16APRIL2012_6020A_A.tun
Optimization File: C:\NexIONData\Conditions\16APRIL2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	501.668	-0.000	-0.001956	0.005	269.079	ug/L
⌊>	Bi	209	487551.727	487551.727				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	97.891

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	471.001	-0.000	-0.006781	ug/L
Bi	209	481363.510	481363.510		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	497.002	-0.000	-0.002744	ug/L
Bi	209	487107.366	487107.366		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Pb	208	537.002	0.000	0.003657	ug/L
Bi	209	494184.304	494184.304		ug/L

01899

due 5-01

app KW 5-1-12

TRIMATRIX LABORATORIES

Cal ID: 2030017 / 2030019 / wtr

Metals Laboratory Instrument Run Sequence

Spl p

Instrument #: 201

Date: 4-30-12

Analyst: OSC

Data File: 2030001 / 2030002

Calibration BLK/ICB/CCB: 5%HNO3# 51061

Internal Standard #: 2020478

Autosampler Position:

1. CAL1BLK/ICB/CCB/1120011
2. ICV/SCV/CCV 40ug/L 2021185
3. CAL2 0.2 ug/L 1120010
4. CAL3 1.0 ug/L 1120009
5. CAL4 10 ug/L 1120008
6. CAL5 20 ug/L 1120007
7. CAL6 50 ug/L 1120006
8. CAL7 100 ug/L 1120005
9.
10. IFA1 2021186
11. IFB1 2021187

Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor	Analysis #/ Position #	ID	Dilution Initial Volume (mL)	Dilution Final Volume (mL)	Dilution Factor
1/17	1205156-blk1	Ag As Co ~~Cr~~ Cu Mn Se Zn			35/51				
2/18	bs1			Zn↑	36/52				
Spl p 3/19	1204305-01	Ag Co ~~Cr~~ Mn Se			37/53				
4/20	MS1				38/54				
5/21	MSD1				39/55				
6/22	SRD1				40/56				
7/23	PS1				41/57				
8/24	02	Ag Co ~~Cr~~ Mn Se			42/58				
9/25	03	Ag Co ~~Cr~~ Mn Se ~~Zn~~			43/59				
10/26	04	Ag Co ~~Cr~~ Cu Mn Se ~~Zn~~			44/60				
11/27	1205042-blk1				45/61				
12/28	bs1				46/62				
wtr 13/29	1204329-01				47/63				
pb 14/30	MS1				48/64				
15/31	MSD1				49/65				
16/32	SRD1				50/66				
17/33	PS1				51/67				
18/34					52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 30APR2012_6020A_A.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	7.025	1530	2035	0.838	
Co	58.933	58.928	14188	2055	0.848	
In	114.904	114.928	27826	2090	0.858	
Ba	137.905	137.979	33422	2110	0.847	
Ce	139.905	139.979	33898	2120	0.835	
Tl	204.975	204.976	49718	2160	0.844	

01901

Daily Performance Report

Sample ID: 2030053
Sample Date/Time: Monday, April 30, 2012 07:24:11
Sample Description:
Method File: c:\elandata\Method\6020A_Daily.mth
Dataset File: c:\elandata\Dataset\default\2030053.6235
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 55
Current Dead Time (ns): 55

Number of Replicates: 6

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	4331.5	4331.532	103.345	2.4
	Co	58.9	107701.3	107701.294	1288.708	1.2
	In	114.9	324331.6	324331.576	2354.254	0.7
	Tl	205.0	294514.6	294514.589	3372.807	1.1
⌈>	Ba	137.9	281944.2	281944.222	4567.305	1.6
⌊	Ba++	69.0	4092.6	0.015	0.000	2.6
⌈>	Ce	139.9	350169.6	350169.620	5590.757	1.6
⌊	CeO	155.9	10212.4	0.029	0.000	1.0
	Bkgd	220.0	20.5	20.500	4.135	20.2

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4530.128	4530.128
Co	59	109432.713	109432.713
In	115	321600.818	321600.818
Tl	205	288128.771	288128.771
Ba	138	279896.367	279896.367
Ba++	69	4106.927	0.015
Ce	140	343341.418	343341.418
CeO	156	9961.455	0.029
Bkgd	220	24.000	24.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4255.996	4255.996
Co	59	107230.705	107230.705
In	115	326265.126	326265.126
Tl	205	296416.946	296416.946
Ba	138	281488.196	281488.196
Ba++	69	4165.954	0.015
Ce	140	349292.819	349292.819
CeO	156	10208.729	0.029
Bkgd	220	21.000	21.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4333.032	4333.032
Co	59	108255.747	108255.747
In	115	325167.102	325167.102
Tl	205	295029.903	295029.903
Ba	138	280788.967	280788.967
Ba++	69	4101.925	0.015
Ce	140	346031.588	346031.588
CeO	156	10192.711	0.029
Bkgd	220	15.000	15.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4335.033	4335.033
Co	59	106084.374	106084.374
In	115	323536.889	323536.889

Tl	205	293729.805	293729.805
Ba	138	289269.116	289269.116
Ba++	69	3979.871	0.014
Ce	140	348753.702	348753.702
CeO	156	10312.846	0.030
Bkgd	220	26.000	26.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4272.004	4272.004
Co	59	106566.969	106566.969
In	115	327439.340	327439.340
Tl	205	297281.500	297281.500
Ba	138	284481.250	284481.250
Ba++	69	4145.945	0.015
Ce	140	357763.877	357763.877
CeO	156	10347.886	0.029
Bkgd	220	20.000	20.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	4262.999	4262.999
Co	59	108637.258	108637.258
In	115	321980.179	321980.179
Tl	205	296500.609	296500.609
Ba	138	275741.438	275741.438
Ba++	69	4054.904	0.015
Ce	140	355834.318	355834.318
CeO	156	10250.776	0.029
Bkgd	220	17.000	17.000

Sample/Batch Report

User Name: analystME
Computer Name: ELAN6100_08
Sample File: C:\Elandata\Sample\2D30001.sam
Report Date/Time: Monday, April 30, 2012 07:30:32

A/S Loc.	Batch ID	Sample ID	Description	Sample Type	Init. Quant.	Prep. Vol.	Aliquot Vol.	Diluted Vol.	Solids Ratio
17		1205156-BLK1		Sample					
18		1205156-BS1		Sample					
19		1204308-01		Sample					
20		1205156-MS1		Sample					
21		1205156-MSD1		Sample					
22		2D30001-SRD1		Sample					
23		1205156-PS1		Sample					
24		1204308-02		Sample					
25		1204308-03		Sample					
26		1204308-04		Sample					
27		1205042-BLK1		Sample					
28		1205042-BS1		Sample					
29		1204329-01		Sample					
30		1205042-MS1		Sample					
31		1205042-MSD1		Sample					
32		2D30002-SRD1		Sample					
33		1205042-PS1		Sample					

Sample Information

Sample ID: 2D30001-CAL1
Autosampler Position: 1
Sample Date/Time: Monday, April 30, 2012 07:35:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CAL1.002
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	2427.348					ug/L
	Cr	53	2778.453					ug/L
	Mn	55	684.033					ug/L
	Co	59	106.002					ug/L
	Cu	63	161.336					ug/L
	Cu	65	334.676					ug/L
	Zn	66	397.346					ug/L
	Zn	68	576.024					ug/L
>	Ge	72	467814.248					ug/L
	As	75	2721.314					ug/L
	Se	77	123.468					ug/L
	Se	82	4.454					ug/L
>	Rh	103	232818.379					ug/L
	Ag	107	268.340					ug/L
	Pb	208	504.677					ug/L
>	Bi	209	577375.609					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	2433.350			ug/L

01905

	Cr	53	2696.427			ug/L
	Mn	55	699.034			ug/L
	Co	59	89.001			ug/L
	Cu	63	187.004			ug/L
	Cu	65	357.011			ug/L
	Zn	66	459.016			ug/L
	Zn	68	593.025			ug/L
	Ge	72	470480.877			ug/L
	As	75	2425.807			ug/L
	Se	77	126.001			ug/L
	Se	82	22.820			ug/L
	Rh	103	230415.762			ug/L
	Ag	107	260.007			ug/L
	Pb	208	503.010			ug/L
	Bi	209	578276.896			ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	2484.364			ug/L
	Cr	53	2854.477			ug/L
	Mn	55	669.031			ug/L
	Co	59	118.002			ug/L
	Cu	63	149.003			ug/L
	Cu	65	320.009			ug/L
	Zn	66	374.011			ug/L
	Zn	68	583.025			ug/L
	Ge	72	465833.438			ug/L
	As	75	2580.721			ug/L
	Se	77	123.601			ug/L
	Se	82	-1.894			ug/L
	Rh	103	235137.425			ug/L
	Ag	107	251.006			ug/L
	Pb	208	511.011			ug/L
	Bi	209	580243.479			ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	2364.331			ug/L
	Cr	53	2784.454			ug/L
	Mn	55	684.033			ug/L
	Co	59	110.002			ug/L
	Cu	63	148.003			ug/L
	Cu	65	327.009			ug/L
	Zn	66	359.011			ug/L
	Zn	68	552.022			ug/L
	Ge	72	467128.428			ug/L
	As	75	3157.414			ug/L
	Se	77	120.801			ug/L
	Se	82	-7.564			ug/L
	Rh	103	232901.948			ug/L
	Ag	107	274.007			ug/L
	Pb	208	500.010			ug/L
	Bi	209	573606.451			ug/L

Sample Information

Sample ID: 2D30001-CAL2
Autosampler Position: 3
Sample Date/Time: Monday, April 30, 2012 07:39:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CAL2.003
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	2927.167	0.001				ug/L
|	Cr	53	2853.143	0.000				ug/L
|	Mn	55	1518.475	0.002				ug/L
|	Co	59	775.374	0.001				ug/L
|	Cu	63	491.018	0.001				ug/L
|	Cu	65	488.018	0.000				ug/L
|	Zn	66	498.685	0.000				ug/L
|	Zn	68	670.698	0.000				ug/L
|>	Ge	72	466238.897	466238.897				ug/L
|	As	75	2720.556	0.000				ug/L
|	Se	77	128.668	0.000				ug/L
⌊	Se	82	16.432	0.000				ug/L
⌈>	Rh	103	234639.920	234639.920				ug/L
⌊	Ag	107	811.378	0.002	0.200000	0.010	5.038	ug/L
⌈	Pb	208	2709.852	0.004				ug/L
⌊>	Bi	209	581101.414	581101.414				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	2987.521	0.001		ug/L

01907

	Cr	53	2762.447	0.000		ug/L
	Mn	55	1551.148	0.002		ug/L
	Co	59	777.041	0.001		ug/L
	Cu	63	509.019	0.001		ug/L
	Cu	65	485.018	0.000		ug/L
	Zn	66	496.018	0.000		ug/L
	Zn	68	666.031	0.000		ug/L
	Ge	72	457158.178	457158.178		ug/L
	As	75	2340.981	-0.001		ug/L
	Se	77	131.801	0.000		ug/L
	Se	82	-4.132	-0.000		ug/L
	Rh	103	235483.208	235483.208		ug/L
	Ag	107	811.044	0.002	0.198755	ug/L
	Pb	208	2754.192	0.004		ug/L
	Bi	209	576693.921	576693.921		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	2928.501	0.001		ug/L
Cr	53	2919.498	0.000		ug/L
Mn	55	1482.136	0.002		ug/L
Co	59	768.040	0.001		ug/L
Cu	63	481.018	0.001		ug/L
Cu	65	452.016	0.000		ug/L
Zn	66	521.020	0.000		ug/L
Zn	68	663.031	0.000		ug/L
Ge	72	471199.716	471199.716		ug/L
As	75	2654.974	-0.000		ug/L
Se	77	126.001	0.000		ug/L
Se	82	39.283	0.000		ug/L
Rh	103	232616.783	232616.783		ug/L
Ag	107	833.046	0.002	0.210640	ug/L
Pb	208	2692.181	0.004		ug/L
Bi	209	581124.156	581124.156		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	2865.480	0.001		ug/L
Cr	53	2877.484	0.000		ug/L
Mn	55	1522.143	0.002		ug/L
Co	59	781.041	0.001		ug/L
Cu	63	483.018	0.001		ug/L
Cu	65	527.021	0.000		ug/L
Zn	66	479.017	0.000		ug/L
Zn	68	683.032	0.000		ug/L
Ge	72	470358.795	470358.795		ug/L
As	75	3165.715	0.001		ug/L
Se	77	128.201	0.000		ug/L
Se	82	14.145	0.000		ug/L
Rh	103	235819.769	235819.769		ug/L
Ag	107	790.042	0.002	0.190605	ug/L
Pb	208	2683.182	0.004		ug/L
Bi	209	585486.164	585486.164		ug/L

Sample Information

Sample ID: 2D30001-CAL3
Autosampler Position: 4
Sample Date/Time: Monday, April 30, 2012 07:43:05
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CAL3.004
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	4368.426	0.004	1.000000	0.023	2.301	ug/L
	Cr	53	3122.567	0.001	1.000000	0.109	10.910	ug/L
	Mn	55	5049.453	0.009	1.000000	0.024	2.379	ug/L
	Co	59	3437.351	0.007	1.000000	0.008	0.764	ug/L
	Cu	63	1842.538	0.004	1.000000	0.016	1.583	ug/L
	Cu	65	1180.755	0.002	1.000000	0.050	5.013	ug/L
	Zn	66	899.720	0.001	1.000000	0.021	2.059	ug/L
	Zn	68	949.392	0.001	1.000000	0.042	4.184	ug/L
>	Ge	72	465828.776	465828.776				ug/L
	As	75	3224.965	0.001	1.000000	0.177	17.738	ug/L
	Se	77	171.202	0.000	1.000000	0.113	11.284	ug/L
	Se	82	56.925	0.000	1.000000	0.459	45.875	ug/L
>	Rh	103	232748.129	232748.129				ug/L
	Ag	107	3057.545	0.012	1.001463	0.018	1.843	ug/L
	Pb	208	12283.034	0.020	1.000000	0.004	0.438	ug/L
>	Bi	209	580965.529	580965.529				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	4404.111	0.004	1.004238	ug/L

01909

	Cr	53	3112.564	0.001	0.917333	ug/L
	Mn	55	4982.415	0.009	0.977476	ug/L
	Co	59	3484.703	0.007	1.007727	ug/L
	Cu	63	1824.201	0.004	0.982300	ug/L
	Cu	65	1199.081	0.002	1.012825	ug/L
	Zn	66	917.055	0.001	1.023143	ug/L
	Zn	68	947.059	0.001	0.978011	ug/L
	Ge	72	468744.524	468744.524		ug/L
	As	75	3167.437	0.001	0.849801	ug/L
	Se	77	169.402	0.000	0.940787	ug/L
	Se	82	68.587	0.000	1.215391	ug/L
	Rh	103	231942.882	231942.882		ug/L
	Ag	107	3093.557	0.012	1.018189	ug/L
	Pb	208	12249.329	0.020	1.004803	ug/L
	Bi	209	576698.179	576698.179		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	4313.068	0.004	0.975163	ug/L
Cr	53	3161.581	0.001	1.123657	ug/L
Mn	55	5031.442	0.009	0.997639	ug/L
Co	59	3406.672	0.007	0.992451	ug/L
Cu	63	1861.209	0.004	1.012822	ug/L
Cu	65	1132.082	0.002	0.944700	ug/L
Zn	66	890.052	0.001	0.983717	ug/L
Zn	68	938.058	0.001	0.973736	ug/L
Ge	72	465083.458	465083.458		ug/L
As	75	3320.682	0.001	1.195700	ug/L
Se	77	177.202	0.000	1.130125	ug/L
Se	82	73.078	0.000	1.311418	ug/L
Rh	103	232238.285	232238.285		ug/L
Ag	107	3059.545	0.012	1.004534	ug/L
Pb	208	12469.437	0.020	0.996213	ug/L
Bi	209	591913.034	591913.034		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	4388.103	0.004	1.020600	ug/L
Cr	53	3093.557	0.001	0.959010	ug/L
Mn	55	5134.501	0.010	1.024885	ug/L
Co	59	3420.678	0.007	0.999822	ug/L
Cu	63	1842.205	0.004	1.004877	ug/L
Cu	65	1211.093	0.002	1.042476	ug/L
Zn	66	892.053	0.001	0.993140	ug/L
Zn	68	963.061	0.001	1.046254	ug/L
Ge	72	463658.345	463658.345		ug/L
As	75	3186.775	0.001	0.954499	ug/L
Se	77	167.002	0.000	0.929089	ug/L
Se	82	29.109	0.000	0.473190	ug/L
Rh	103	234063.221	234063.221		ug/L
Ag	107	3019.532	0.012	0.981666	ug/L
Pb	208	12130.335	0.020	0.998984	ug/L
Bi	209	574285.373	574285.373		ug/L

Sample Information

Sample ID: 2D30001-CAL4
Autosampler Position: 5
Sample Date/Time: Monday, April 30, 2012 07:46:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CAL4.005
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	21379.683	0.040	9.996329	0.292	2.922	ug/L
	Cr	53	6075.758	0.007	9.991180	0.250	2.498	ug/L
	Mn	55	47029.806	0.099	10.005067	0.121	1.214	ug/L
	Co	59	35211.747	0.075	10.004429	0.126	1.263	ug/L
	Cu	63	17902.122	0.038	10.004534	0.219	2.188	ug/L
	Cu	65	8940.150	0.018	10.000861	0.244	2.436	ug/L
	Zn	66	5839.600	0.012	10.006710	0.242	2.415	ug/L
	Zn	68	4854.011	0.009	10.011422	0.090	0.902	ug/L
>	Ge	72	468946.064	468946.064				ug/L
	As	75	9579.496	0.015	10.024080	0.178	1.777	ug/L
	Se	77	592.819	0.001	9.996481	0.342	3.417	ug/L
	Se	82	623.514	0.001	10.014651	0.492	4.908	ug/L
>	Rh	103	232131.647	232131.647				ug/L
	Ag	107	31170.994	0.133	10.010413	0.029	0.293	ug/L
	Pb	208	124254.754	0.215	10.005586	0.081	0.806	ug/L
>	Bi	209	576133.197	576133.197				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	22348.660	0.042	10.328724	ug/L

01911

	Cr	53	6253.212	0.007	10.239415	ug/L
	Mn	55	47150.428	0.098	9.873402	ug/L
	Co	59	35402.152	0.074	9.902334	ug/L
	Cu	63	17766.521	0.037	9.771825	ug/L
	Cu	65	8837.382	0.018	9.721269	ug/L
	Zn	66	5834.930	0.011	9.830824	ug/L
	Zn	68	4819.380	0.009	9.987726	ug/L
>	Ge	72	476266.843	476266.843		ug/L
	As	75	9864.847	0.015	10.221560	ug/L
	Se	77	584.019	0.001	9.615200	ug/L
	Se	82	598.339	0.001	9.454057	ug/L
>	Rh	103	232101.865	232101.865		ug/L
	Ag	107	31111.455	0.133	9.992493	ug/L
	Pb	208	124213.769	0.214	9.977667	ug/L
>	Bi	209	577534.877	577534.877		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	20974.377	0.040	9.780528	ug/L
	Cr	53	5995.036	0.007	9.740339	ug/L
	Mn	55	47164.501	0.099	10.028992	ug/L
	Co	59	35091.949	0.075	9.965180	ug/L
	Cu	63	17967.919	0.038	10.035474	ug/L
	Cu	65	9042.585	0.019	10.113542	ug/L
	Zn	66	5788.900	0.011	9.907027	ug/L
	Zn	68	4898.368	0.009	10.111175	ug/L
>	Ge	72	469125.442	469125.442		ug/L
	As	75	9548.556	0.015	9.975277	ug/L
	Se	77	606.220	0.001	10.274572	ug/L
	Se	82	636.641	0.001	10.218176	ug/L
>	Rh	103	233149.169	233149.169		ug/L
	Ag	107	31412.491	0.134	10.044306	ug/L
	Pb	208	124748.397	0.217	10.086521	ug/L
>	Bi	209	573220.190	573220.190		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	20816.013	0.040	9.879736	ug/L
	Cr	53	5979.025	0.007	9.993787	ug/L
	Mn	55	46774.490	0.100	10.112806	ug/L
	Co	59	35141.139	0.076	10.145772	ug/L
	Cu	63	17971.926	0.039	10.206302	ug/L
	Cu	65	8940.483	0.019	10.167773	ug/L
	Zn	66	5894.970	0.012	10.282278	ug/L
	Zn	68	4744.285	0.009	9.935365	ug/L
>	Ge	72	461445.908	461445.908		ug/L
	As	75	9325.086	0.014	9.875403	ug/L
	Se	77	588.219	0.001	10.099672	ug/L
	Se	82	635.563	0.001	10.371721	ug/L
>	Rh	103	231143.907	231143.907		ug/L
	Ag	107	30988.037	0.133	9.994441	ug/L
	Pb	208	123802.096	0.213	9.942568	ug/L
>	Bi	209	577644.526	577644.526		ug/L

Sample Information

Sample ID: 2D30001-CAL5
Autosampler Position: 6
Sample Date/Time: Monday, April 30, 2012 07:50:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CAL5.006
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	39316.580	0.079	19.908162	0.587	2.949	ug/L
|	Cr	53	9230.109	0.014	19.936341	0.452	2.265	ug/L
|	Mn	55	89790.813	0.191	19.857935	0.243	1.224	ug/L
|	Co	59	67246.155	0.144	19.835357	0.117	0.590	ug/L
|	Cu	63	34288.554	0.073	19.859455	0.326	1.643	ug/L
|	Cu	65	16854.445	0.035	19.849692	0.252	1.271	ug/L
|	Zn	66	11017.783	0.023	19.919925	0.262	1.318	ug/L
|	Zn	68	8743.957	0.017	19.834243	0.369	1.859	ug/L
\>	Ge	72	467051.590	467051.590				ug/L
|	As	75	16703.366	0.030	20.108875	0.337	1.677	ug/L
|	Se	77	1015.723	0.002	19.810622	0.293	1.479	ug/L
⌊	Se	82	1162.528	0.002	19.748666	1.474	7.464	ug/L
⌈>	Rh	103	233915.861	233915.861				ug/L
⌊	Ag	107	59181.268	0.252	19.776270	0.072	0.363	ug/L
⌈	Pb	208	235488.727	0.404	19.753120	0.453	2.293	ug/L
⌊>	Bi	209	581199.478	581199.478				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	40124.755	0.081	20.496017	ug/L

01913

	Cr	53	9284.832	0.014	20.308265	ug/L
	Mn	55	89766.911	0.192	19.994734	ug/L
	Co	59	66443.589	0.143	19.739352	ug/L
	Cu	63	34131.293	0.073	19.908646	ug/L
	Cu	65	16942.943	0.036	20.100810	ug/L
	Zn	66	11039.810	0.023	20.108254	ug/L
	Zn	68	8814.359	0.018	20.156480	ug/L
	Ge	72	463714.084	463714.084		ug/L
	As	75	16724.353	0.030	20.309522	ug/L
	Se	77	1019.257	0.002	20.049700	ug/L
	Se	82	1197.867	0.003	20.486780	ug/L
	Rh	103	234589.534	234589.534		ug/L
	Ag	107	59499.670	0.252	19.825753	ug/L
	Pb	208	235793.422	0.406	19.824652	ug/L
	Bi	209	579864.398	579864.398		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	38739.753	0.077	19.321715	ug/L
	Cr	53	9187.732	0.013	19.433876	ug/L
	Mn	55	89704.297	0.188	19.577367	ug/L
	Co	59	68013.148	0.144	19.800968	ug/L
	Cu	63	34137.315	0.072	19.511405	ug/L
	Cu	65	16863.795	0.035	19.596240	ug/L
	Zn	66	11001.763	0.022	19.620107	ug/L
	Zn	68	8692.240	0.017	19.432105	ug/L
	Ge	72	473193.391	473193.391		ug/L
	As	75	16650.481	0.029	19.719611	ug/L
	Se	77	1014.257	0.002	19.483695	ug/L
	Se	82	1077.585	0.002	18.051454	ug/L
	Rh	103	234281.745	234281.745		ug/L
	Ag	107	59026.609	0.251	19.694034	ug/L
	Pb	208	229707.654	0.394	19.268649	ug/L
	Bi	209	581162.495	581162.495		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	39085.231	0.079	19.906755	ug/L
	Cr	53	9217.763	0.014	20.066783	ug/L
	Mn	55	89901.230	0.192	20.001705	ug/L
	Co	59	67281.726	0.145	19.965750	ug/L
	Cu	63	34597.053	0.074	20.158314	ug/L
	Cu	65	16756.596	0.035	19.852027	ug/L
	Zn	66	11011.775	0.023	20.031414	ug/L
	Zn	68	8725.272	0.018	19.914144	ug/L
	Ge	72	464247.295	464247.295		ug/L
	As	75	16735.265	0.030	20.297491	ug/L
	Se	77	1013.657	0.002	19.898471	ug/L
	Se	82	1212.133	0.003	20.707764	ug/L
	Rh	103	232876.305	232876.305		ug/L
	Ag	107	59015.524	0.252	19.809024	ug/L
	Pb	208	240965.105	0.413	20.166058	ug/L
	Bi	209	582571.543	582571.543		ug/L

Sample Information

Sample ID: 2D30001-CAL6
Autosampler Position: 7
Sample Date/Time: Monday, April 30, 2012 07:54:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CAL6.007
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	94083.808	0.195	49.847577	1.145	2.296	ug/L
|	Cr	53	18780.902	0.034	49.834139	0.681	1.366	ug/L
|	Mn	55	219462.591	0.465	49.728264	0.248	0.499	ug/L
|	Co	59	164914.697	0.350	49.717632	0.370	0.745	ug/L
|	Cu	63	83293.045	0.177	49.661578	0.839	1.689	ug/L
|	Cu	65	40464.263	0.085	49.633198	0.628	1.265	ug/L
|	Zn	66	26616.177	0.056	49.800223	0.713	1.432	ug/L
|	Zn	68	20945.979	0.043	49.848415	0.437	0.878	ug/L
|>	Ge	72	470286.630	470286.630				ug/L
|	As	75	37076.529	0.073	49.834842	0.510	1.023	ug/L
|	Se	77	2282.220	0.005	49.577259	0.264	0.533	ug/L
⌊	Se	82	2978.222	0.006	50.054867	2.014	4.023	ug/L
⌈>	Rh	103	234382.176	234382.176				ug/L
⌊	Ag	107	146843.967	0.625	49.848702	0.217	0.435	ug/L
⌈	Pb	208	585594.055	1.008	49.872971	0.632	1.267	ug/L
⌊>	Bi	209	580513.092	580513.092				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	96525.701	0.199	50.972023	ug/L

01915

	Cr	53	18725.453	0.034	49.431549	ug/L
	Mn	55	219066.191	0.463	49.442602	ug/L
	Co	59	164181.923	0.348	49.301758	ug/L
	Cu	63	82003.003	0.173	48.697287	ug/L
	Cu	65	40036.366	0.084	48.908634	ug/L
	Zn	66	26555.996	0.055	49.488224	ug/L
	Zn	68	20822.026	0.043	49.344517	ug/L
>	Ge	72	472135.448	472135.448		ug/L
	As	75	37472.429	0.074	50.196854	ug/L
	Se	77	2297.290	0.005	49.716917	ug/L
	Se	82	3111.950	0.007	52.104174	ug/L
>	Rh	103	232883.485	232883.485		ug/L
	Ag	107	145958.836	0.626	49.865741	ug/L
	Pb	208	586201.150	0.994	49.162204	ug/L
>	Bi	209	589439.821	589439.821		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	93868.061	0.195	49.886880	ug/L
	Cr	53	18975.974	0.035	50.620366	ug/L
	Mn	55	219509.703	0.467	49.689738	ug/L
	Co	59	165388.531	0.353	50.011326	ug/L
	Cu	63	83714.513	0.178	50.083196	ug/L
	Cu	65	40622.965	0.086	49.980473	ug/L
	Zn	66	26271.167	0.055	49.296077	ug/L
	Zn	68	20973.375	0.044	50.070196	ug/L
>	Ge	72	468864.480	468864.480		ug/L
	As	75	37116.011	0.073	50.055942	ug/L
	Se	77	2282.486	0.005	49.742540	ug/L
	Se	82	2964.686	0.006	49.981734	ug/L
>	Rh	103	237287.235	237287.235		ug/L
	Ag	107	147998.436	0.623	49.623733	ug/L
	Pb	208	586070.850	1.012	50.084848	ug/L
>	Bi	209	578462.144	578462.144		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	91857.662	0.190	48.663828	ug/L
	Cr	53	18641.279	0.034	49.450502	ug/L
	Mn	55	219811.877	0.466	49.852453	ug/L
	Co	59	165172.638	0.351	49.839812	ug/L
	Cu	63	84161.618	0.179	50.224251	ug/L
	Cu	65	40733.459	0.086	50.010486	ug/L
	Zn	66	27021.369	0.057	50.616369	ug/L
	Zn	68	21042.535	0.044	50.130532	ug/L
>	Ge	72	469859.962	469859.962		ug/L
	As	75	36641.147	0.072	49.251731	ug/L
	Se	77	2266.883	0.005	49.272321	ug/L
	Se	82	2858.032	0.006	48.078692	ug/L
>	Rh	103	232975.807	232975.807		ug/L
	Ag	107	146574.631	0.628	50.056630	ug/L
	Pb	208	584510.167	1.018	50.371861	ug/L
>	Bi	209	573637.310	573637.310		ug/L

01916

Sample Information

Sample ID: 2D30001-CAL7
Autosampler Position: 8
Sample Date/Time: Monday, April 30, 2012 07:58:03
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CAL7.008
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	189800.157	0.398	100.399938	3.060	3.048	ug/L
|	Cr	53	35563.128	0.070	100.447931	1.923	1.914	ug/L
|	Mn	55	443042.991	0.939	100.090120	0.696	0.695	ug/L
|	Co	59	333833.936	0.709	100.118742	1.186	1.185	ug/L
|	Cu	63	166358.784	0.353	99.796155	1.877	1.880	ug/L
|	Cu	65	81513.088	0.172	100.055851	2.078	2.077	ug/L
|	Zn	66	53200.776	0.112	100.032092	1.483	1.483	ug/L
|	Zn	68	41490.887	0.087	99.993439	0.712	0.712	ug/L
| >	Ge	72	471017.354	471017.354				ug/L
|	As	75	72773.339	0.149	100.336179	0.873	0.870	ug/L
|	Se	77	4540.867	0.009	100.297864	0.488	0.487	ug/L
⌊	Se	82	5963.704	0.013	100.035931	1.445	1.445	ug/L
⌈ >	Rh	103	234328.654	234328.654				ug/L
⌊	Ag	107	293410.688	1.251	99.934652	0.808	0.809	ug/L
⌈	Pb	208	1180422.772	2.009	99.862424	0.672	0.673	ug/L
⌊ >	Bi	209	587272.780	587272.780				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈ >	Rh	102.905	
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	196067.723	0.412	103.915304	ug/L

01917

	Cr	53	36138.050	0.071	102.381280	ug/L
	Mn	55	445722.671	0.948	100.848786	ug/L
	Co	59	328769.559	0.699	98.749538	ug/L
	Cu	63	163603.831	0.348	98.293843	ug/L
	Cu	65	81242.210	0.172	99.877271	ug/L
	Zn	66	52726.991	0.111	99.288503	ug/L
	Zn	68	41241.748	0.086	99.538339	ug/L
>	Ge	72	470306.175	470306.175		ug/L
	As	75	72107.277	0.148	99.539693	ug/L
	Se	77	4522.725	0.009	100.040562	ug/L
	Se	82	5869.147	0.012	98.600004	ug/L
>	Rh	103	235776.672	235776.672		ug/L
	Ag	107	292776.668	1.241	99.103037	ug/L
	Pb	208	1188501.894	2.025	100.629067	ug/L
>	Bi	209	586788.236	586788.236		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	187756.937	0.382	98.955377	ug/L
	Cr	53	35679.234	0.070	100.426252	ug/L
	Mn	55	443909.068	0.938	99.938933	ug/L
	Co	59	337186.671	0.713	100.776099	ug/L
	Cu	63	170444.675	0.360	101.899696	ug/L
	Cu	65	83552.027	0.176	102.217192	ug/L
	Zn	66	54288.155	0.114	101.739871	ug/L
	Zn	68	41971.082	0.088	100.814153	ug/L
>	Ge	72	472650.194	472650.194		ug/L
	As	75	73678.265	0.150	101.268576	ug/L
	Se	77	4543.135	0.009	99.992351	ug/L
	Se	82	6071.176	0.013	101.480409	ug/L
>	Rh	103	233664.146	233664.146		ug/L
	Ag	107	294873.863	1.261	100.716817	ug/L
	Pb	208	1179569.780	2.004	99.584594	ug/L
>	Bi	209	588483.757	588483.757		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	185575.811	0.390	98.329133	ug/L
	Cr	53	34871.100	0.068	98.536251	ug/L
	Mn	55	439497.233	0.933	99.482640	ug/L
	Co	59	335545.579	0.714	100.830590	ug/L
	Cu	63	165028.046	0.351	99.194925	ug/L
	Cu	65	79745.026	0.169	98.073091	ug/L
	Zn	66	52587.183	0.111	99.067902	ug/L
	Zn	68	41259.830	0.087	99.627823	ug/L
>	Ge	72	470095.694	470095.694		ug/L
	As	75	72534.474	0.148	100.199269	ug/L
	Se	77	4556.742	0.009	100.860658	ug/L
	Se	82	5950.788	0.013	100.017381	ug/L
>	Rh	103	233545.144	233545.144		ug/L
	Ag	107	292581.532	1.252	99.984102	ug/L
	Pb	208	1173196.642	1.999	99.373612	ug/L
>	Bi	209	586546.348	586546.348		ug/L

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Cr	51.941	Linear Thru Zero	0.00	0.00	0.999966
Cr	52.941	Linear Thru Zero	0.00	0.00	0.999959
Mn	54.938	Linear Thru Zero	0.01	0.00	0.999978
Co	58.933	Linear Thru Zero	0.01	0.00	0.999974
Cu	62.930	Linear Thru Zero	0.00	0.00	0.999962
Cu	64.928	Linear Thru Zero	0.00	0.00	0.999964
Zn	65.926	Linear Thru Zero	0.00	0.00	0.999989
Zn	67.925	Linear Thru Zero	0.00	0.00	0.999989
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
As	74.922	Linear Thru Zero	0.00	0.00	0.999971
Se	76.920	Linear Thru Zero	0.00	0.00	0.999938
Se	81.917	Linear Thru Zero	0.00	0.00	0.999986
Rh	102.905	Linear Thru Zero	0.00	0.00	0.000000
Ag	106.905	Linear Thru Zero	0.01	0.00	0.999984
Pb	207.977	Linear Thru Zero	0.02	0.00	0.999981
Bi	208.980	Linear Thru Zero	0.00	0.00	0.000000

Method Equation

Analyte	Mass	Corrections
As	74.922	-3.127 *(ArCl 77 -(0.696999898 *Se 82))
Se	81.917	-1.007833 *Kr 83
Pb	207.977	+ 1*Pb 206 +1*Pb 207

01919

Sample Information

Sample ID: 2D30001-SCV1
Autosampler Position: 2
Sample Date/Time: Monday, April 30, 2012 08:01:46
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-SCV1.009
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	73647.991	0.151	38.217808	0.976	2.553	ug/L
|	Cr	53	15106.024	0.026	37.808872	0.356	0.942	ug/L
|	Mn	55	169416.163	0.359	38.238392	0.355	0.928	ug/L
|	Co	59	126291.815	0.268	37.916326	0.247	0.652	ug/L
|	Cu	63	64218.008	0.136	38.528356	0.584	1.515	ug/L
|	Cu	65	31147.246	0.066	38.040190	0.405	1.065	ug/L
|	Zn	66	20252.405	0.042	37.676685	0.799	2.121	ug/L
|	Zn	68	16010.246	0.033	37.777585	0.155	0.411	ug/L
|>	Ge	72	470272.620	470272.620				ug/L
|	As	75	28626.213	0.055	37.154941	0.854	2.299	ug/L
|	Se	77	1762.371	0.003	37.262217	0.379	1.018	ug/L
⌊	Se	82	2253.871	0.005	37.825223	1.123	2.968	ug/L
⌈>	Rh	103	234394.999	234394.999				ug/L
⌊	Ag	107	108511.859	0.462	36.889760	0.174	0.471	ug/L
⌈	Pb	208	437990.264	0.757	37.641588	0.077	0.204	ug/L
⌊>	Bi	209	577680.973	577680.973				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	100.526
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.677
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	100.053

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	75916.420	0.156	39.305398	ug/L

01920

	Cr	53	15140.749	0.026	37.764903	ug/L
	Mn	55	171515.546	0.362	38.589424	ug/L
	Co	59	127519.403	0.270	38.162328	ug/L
	Cu	63	64756.464	0.137	38.725163	ug/L
	Cu	65	31287.058	0.066	38.087289	ug/L
	Zn	66	20168.549	0.042	37.390936	ug/L
	Zn	68	16050.317	0.033	37.749120	ug/L
	Ge	72	471782.827	471782.827		ug/L
	As	75	28045.354	0.054	36.190190	ug/L
	Se	77	1752.169	0.003	36.903082	ug/L
	Se	82	2194.254	0.005	36.700241	ug/L
	Rh	103	235254.395	235254.395		ug/L
	Ag	107	109027.977	0.462	36.929499	ug/L
	Pb	208	441494.472	0.756	37.598388	ug/L
	Bi	209	582970.971	582970.971		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	72564.177	0.148	37.419239	ug/L
Cr	53	15082.652	0.026	37.476832	ug/L
Mn	55	168779.012	0.355	37.880182	ug/L
Co	59	126170.768	0.267	37.668131	ug/L
Cu	63	63484.527	0.134	37.871712	ug/L
Cu	65	30975.993	0.065	37.613440	ug/L
Zn	66	20041.267	0.042	37.059643	ug/L
Zn	68	16043.304	0.033	37.638505	ug/L
Ge	72	472912.314	472912.314		ug/L
As	75	29002.207	0.056	37.459783	ug/L
Se	77	1789.776	0.004	37.658799	ug/L
Se	82	2287.053	0.005	37.829593	ug/L
Rh	103	232949.136	232949.136		ug/L
Ag	107	108282.135	0.464	37.040089	ug/L
Pb	208	438880.725	0.759	37.730116	ug/L
Bi	209	577498.682	577498.682		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	72463.377	0.150	37.928786	ug/L
Cr	53	15094.672	0.026	38.184880	ug/L
Mn	55	167953.932	0.359	38.245570	ug/L
Co	59	125185.274	0.268	37.918518	ug/L
Cu	63	64413.033	0.138	38.986193	ug/L
Cu	65	31178.686	0.066	38.419840	ug/L
Zn	66	20547.400	0.043	38.579476	ug/L
Zn	68	15937.117	0.033	37.945130	ug/L
Ge	72	466122.718	466122.718		ug/L
As	75	28831.077	0.056	37.814851	ug/L
Se	77	1745.167	0.003	37.224788	ug/L
Se	82	2300.308	0.005	38.945836	ug/L
Rh	103	234981.468	234981.468		ug/L
Ag	107	108225.465	0.459	36.689681	ug/L
Pb	208	433595.595	0.756	37.596260	ug/L
Bi	209	572573.264	572573.264		ug/L

Sample Information

Sample ID: 2D30001-CCB
Autosampler Position: 1
Sample Date/Time: Monday, April 30, 2012 08:05:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CCB.010
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	2646.412	0.000	0.118413	0.005	4.575	ug/L
	Cr	53	2470.360	-0.001	-0.949999	0.171	18.006	ug/L
	Mn	55	801.043	0.000	0.026704	0.004	15.592	ug/L
	Co	59	150.336	0.000	0.013407	0.004	29.980	ug/L
	Cu	63	234.672	0.000	0.044370	0.004	9.618	ug/L
	Cu	65	353.010	0.000	0.022712	0.030	134.110	ug/L
	Zn	66	329.676	-0.000	-0.128985	0.057	43.878	ug/L
	Zn	68	535.688	-0.000	-0.099018	0.033	33.289	ug/L
>	Ge	72	467740.763	467740.763				ug/L
	As	75	2350.610	-0.001	-0.533904	0.183	34.297	ug/L
	Se	77	122.801	-0.000	-0.013873	0.216	1557.383	ug/L
	Se	82	18.044	0.000	0.232490	1.109	477.221	ug/L
>	Rh	103	237485.726	237485.726				ug/L
	Ag	107	357.677	0.000	0.028264	0.012	42.411	ug/L
	Pb	208	542.011	0.000	0.003146	0.002	60.446	ug/L
>	Bi	209	578174.820	578174.820				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	99.984
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.005
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	100.138

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	2671.419	0.000	0.120927	ug/L

01922

Cr	53	2491.366	-0.001	-0.943532	ug/L
Mn	55	786.042	0.000	0.021903	ug/L
Co	59	141.003	0.000	0.010254	ug/L
Cu	63	235.005	0.000	0.043480	ug/L
Cu	65	373.011	0.000	0.044121	ug/L
Zn	66	341.010	-0.000	-0.112320	ug/L
Zn	68	532.021	-0.000	-0.118062	ug/L
Ge	72	471332.334	471332.334		ug/L
As	75	2280.867	-0.001	-0.659913	ug/L
Se	77	114.801	-0.000	-0.217758	ug/L
Se	82	-37.792	-0.000	-0.709267	ug/L
Rh	103	236386.203	236386.203		ug/L
Ag	107	386.013	0.001	0.041755	ug/L
Pb	208	569.012	0.000	0.005329	ug/L
Bi	209	579853.750	579853.750		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	2638.409	0.000	0.122116	ug/L
Cr	53	2400.341	-0.001	-1.124201	ug/L
Mn	55	808.044	0.000	0.029318	ug/L
Co	59	145.003	0.000	0.012034	ug/L
Cu	63	241.006	0.000	0.049012	ug/L
Cu	65	323.009	-0.000	-0.012159	ug/L
Zn	66	352.010	-0.000	-0.082593	ug/L
Zn	68	525.020	-0.000	-0.118036	ug/L
Ge	72	465121.324	465121.324		ug/L
As	75	2279.737	-0.001	-0.617845	ug/L
Se	77	132.001	0.000	0.212591	ug/L
Se	82	1.556	-0.000	-0.048824	ug/L
Rh	103	239099.828	239099.828		ug/L
Ag	107	348.010	0.000	0.024199	ug/L
Pb	208	525.011	0.000	0.001849	ug/L
Bi	209	576113.812	576113.812		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	2629.406	0.000	0.112195	ug/L
Cr	53	2519.374	-0.001	-0.782263	ug/L
Mn	55	809.044	0.000	0.028892	ug/L
Co	59	165.003	0.000	0.017934	ug/L
Cu	63	228.005	0.000	0.040617	ug/L
Cu	65	363.011	0.000	0.036174	ug/L
Zn	66	296.008	-0.000	-0.192043	ug/L
Zn	68	550.022	-0.000	-0.060957	ug/L
Ge	72	466768.632	466768.632		ug/L
As	75	2491.227	-0.000	-0.323856	ug/L
Se	77	121.601	-0.000	-0.036453	ug/L
Se	82	90.369	0.000	1.455562	ug/L
Rh	103	236971.146	236971.146		ug/L
Ag	107	329.009	0.000	0.018838	ug/L
Pb	208	532.011	0.000	0.002260	ug/L
Bi	209	578556.899	578556.899		ug/L

Sample Information

Sample ID: 2D30001-CRL1
Autosampler Position: 3
Sample Date/Time: Monday, April 30, 2012 08:09:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CRL1.011
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	3070.550	0.001	0.327259	0.045	13.650	ug/L
	Cr	53	2515.040	-0.001	-0.903884	0.219	24.181	ug/L
	Mn	55	1626.162	0.002	0.210286	0.010	4.547	ug/L
	Co	59	796.710	0.001	0.205816	0.006	2.734	ug/L
	Cu	63	523.354	0.001	0.215228	0.017	8.020	ug/L
	Cu	65	502.686	0.000	0.201261	0.058	29.027	ug/L
	Zn	66	457.683	0.000	0.104943	0.037	35.512	ug/L
	Zn	68	618.361	0.000	0.086232	0.015	17.329	ug/L
>	Ge	72	473431.040	473431.040				ug/L
	As	75	2587.176	-0.000	-0.237234	0.083	34.783	ug/L
	Se	77	127.268	0.000	0.052818	0.069	130.757	ug/L
	Se	82	19.205	0.000	0.243152	0.354	145.460	ug/L
>	Rh	103	237053.585	237053.585				ug/L
	Ag	107	821.379	0.002	0.184659	0.007	3.848	ug/L
	Pb	208	2717.520	0.004	0.188541	0.004	2.310	ug/L
>	Bi	209	582233.161	582233.161				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.201
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.819
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	100.841

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	3155.579	0.001	0.373634	ug/L

01924

	Cr	53	2555.385	-0.001	-0.777814	ug/L
	Mn	55	1597.156	0.002	0.203905	ug/L
	Co	59	796.043	0.001	0.205711	ug/L
	Cu	63	512.020	0.001	0.208520	ug/L
	Cu	65	554.022	0.000	0.264440	ug/L
	Zn	66	446.015	0.000	0.083209	ug/L
	Zn	68	619.027	0.000	0.088585	ug/L
	Ge	72	473170.231	473170.231		ug/L
	As	75	2583.203	-0.000	-0.241408	ug/L
	Se	77	127.401	0.000	0.056963	ug/L
	Se	82	18.161	0.000	0.228212	ug/L
	Rh	103	233538.889	233538.889		ug/L
	Ag	107	785.042	0.002	0.176456	ug/L
	Pb	208	2763.192	0.004	0.193181	ug/L
	Bi	209	580415.987	580415.987		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	2961.512	0.001	0.284514	ug/L
	Cr	53	2532.378	-0.001	-0.777579	ug/L
	Mn	55	1659.168	0.002	0.221279	ug/L
	Co	59	808.044	0.001	0.211495	ug/L
	Cu	63	551.022	0.001	0.234837	ug/L
	Cu	65	489.018	0.000	0.190148	ug/L
	Zn	66	476.017	0.000	0.147974	ug/L
	Zn	68	618.027	0.000	0.099858	ug/L
	Ge	72	468896.047	468896.047		ug/L
	As	75	2621.499	-0.000	-0.152710	ug/L
	Se	77	129.001	0.000	0.119716	ug/L
	Se	82	-1.634	-0.000	-0.102830	ug/L
	Rh	103	238500.381	238500.381		ug/L
	Ag	107	838.047	0.002	0.188624	ug/L
	Pb	208	2651.178	0.004	0.184542	ug/L
	Bi	209	577990.514	577990.514		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	3094.558	0.001	0.323630	ug/L
	Cr	53	2457.357	-0.001	-1.156260	ug/L
	Mn	55	1622.161	0.002	0.205674	ug/L
	Co	59	786.042	0.001	0.200242	ug/L
	Cu	63	507.019	0.001	0.202327	ug/L
	Cu	65	465.017	0.000	0.149195	ug/L
	Zn	66	451.016	0.000	0.083645	ug/L
	Zn	68	618.027	0.000	0.070252	ug/L
	Ge	72	478226.842	478226.842		ug/L
	As	75	2556.825	-0.000	-0.317585	ug/L
	Se	77	125.401	-0.000	-0.018224	ug/L
	Se	82	41.068	0.000	0.604076	ug/L
	Rh	103	239121.384	239121.384		ug/L
	Ag	107	841.047	0.002	0.188897	ug/L
	Pb	208	2738.189	0.004	0.187900	ug/L
	Bi	209	588292.982	588292.982		ug/L

Sample Information

Sample ID: 2D30001-CRL2
Autosampler Position: 4
Sample Date/Time: Monday, April 30, 2012 08:12:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CRL2.012
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	4644.567	0.005	1.182129	0.096	8.085	ug/L
	Cr	53	2706.430	-0.000	-0.269818	0.030	11.005	ug/L
	Mn	55	5339.955	0.010	1.053937	0.039	3.746	ug/L
	Co	59	3499.042	0.007	1.018776	0.026	2.588	ug/L
	Cu	63	1904.885	0.004	1.047706	0.033	3.114	ug/L
	Cu	65	1193.757	0.002	1.057726	0.052	4.940	ug/L
	Zn	66	818.378	0.001	0.794244	0.064	8.092	ug/L
	Zn	68	912.388	0.001	0.814230	0.135	16.594	ug/L
>	Ge	72	470500.148	470500.148				ug/L
	As	75	3024.927	0.001	0.412953	0.032	7.801	ug/L
	Se	77	164.601	0.000	0.918662	0.143	15.609	ug/L
	Se	82	15.691	0.000	0.187725	0.345	183.539	ug/L
>	Rh	103	238467.696	238467.696				ug/L
	Ag	107	3150.244	0.012	0.963174	0.033	3.387	ug/L
	Pb	208	12304.034	0.020	1.003229	0.016	1.563	ug/L
>	Bi	209	584330.872	584330.872				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.574
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.426
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	101.205

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
2D30001-CRL2	Cr	53	
2D30001-CRL2	As	75	
2D30001-CRL2	Se	82	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	4756.291	0.005	1.265145	ug/L
Cr	53	2692.426	-0.000	-0.237691	ug/L
Mn	55	5490.713	0.010	1.099228	ug/L
Co	59	3466.696	0.007	1.018636	ug/L
Cu	63	1946.228	0.004	1.083096	ug/L
Cu	65	1158.085	0.002	1.026720	ug/L
Zn	66	833.046	0.001	0.836444	ug/L
Zn	68	874.051	0.001	0.740634	ug/L
Ge	72	466252.108	466252.108		ug/L
As	75	2997.534	0.001	0.412940	ug/L
Se	77	164.001	0.000	0.938368	ug/L
Se	82	-2.859	-0.000	-0.123764	ug/L
Rh	103	240365.570	240365.570		ug/L
Ag	107	3262.618	0.012	0.992227	ug/L
Pb	208	12239.317	0.020	0.986387	ug/L
Bi	209	585040.816	585040.816		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	4729.277	0.005	1.203594	ug/L
Cr	53	2723.435	-0.000	-0.296256	ug/L
Mn	55	5310.604	0.010	1.035809	ug/L
Co	59	3620.757	0.007	1.045213	ug/L
Cu	63	1912.220	0.004	1.041203	ug/L
Cu	65	1181.089	0.002	1.028406	ug/L
Zn	66	843.048	0.001	0.826010	ug/L
Zn	68	985.063	0.001	0.970161	ug/L
Ge	72	474957.949	474957.949		ug/L
As	75	3076.190	0.001	0.445173	ug/L
Se	77	172.002	0.000	1.050575	ug/L
Se	82	12.278	0.000	0.129121	ug/L
Rh	103	238840.131	238840.131		ug/L
Ag	107	3049.542	0.012	0.927886	ug/L
Pb	208	12255.368	0.020	0.992137	ug/L
Bi	209	588211.984	588211.984		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	4448.132	0.004	1.077648	ug/L
Cr	53	2703.429	-0.000	-0.275506	ug/L
Mn	55	5218.550	0.010	1.026775	ug/L
Co	59	3409.673	0.007	0.992480	ug/L
Cu	63	1856.208	0.004	1.018818	ug/L
Cu	65	1242.097	0.002	1.118052	ug/L
Zn	66	779.041	0.001	0.720278	ug/L
Zn	68	878.051	0.001	0.731895	ug/L
Ge	72	470290.388	470290.388		ug/L
As	75	3001.058	0.001	0.380745	ug/L
Se	77	157.801	0.000	0.766043	ug/L
Se	82	37.655	0.000	0.557818	ug/L
Rh	103	236197.388	236197.388		ug/L
Ag	107	3138.573	0.012	0.969409	ug/L
Pb	208	12417.418	0.021	1.021164	ug/L
Bi	209	579739.816	579739.816		ug/L

01927

Sample Information

Sample ID: 2D30001-IFA1
Autosampler Position: 10
Sample Date/Time: Monday, April 30, 2012 08:16:30
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-IFA1.013
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	3359.654	0.002	0.500438	0.053	10.650	ug/L
	Cr	53	3040.206	0.001	0.794780	0.284	35.673	ug/L
	Mn	55	1067.073	0.001	0.086872	0.004	4.209	ug/L
	Co	59	136.002	0.000	0.009012	0.004	40.953	ug/L
	Cu	63	523.020	0.001	0.218247	0.024	10.880	ug/L
	Cu	65	675.032	0.001	0.421051	0.019	4.630	ug/L
	Zn	66	637.362	0.001	0.455729	0.052	11.388	ug/L
	Zn	68	558.356	-0.000	-0.045841	0.065	141.775	ug/L
>	Ge	72	468547.572	468547.572				ug/L
	As	75	2387.311	-0.001	-0.487551	0.093	19.084	ug/L
	Se	77	172.402	0.000	1.113346	0.148	13.280	ug/L
	Se	82	-0.183	-0.000	-0.081772	0.710	868.123	ug/L
>	Rh	103	228017.902	228017.902				ug/L
	Ag	107	425.681	0.001	0.057226	0.018	31.797	ug/L
	Pb	208	618.681	0.000	0.010374	0.002	20.229	ug/L
>	Bi	209	571246.726	571246.726				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.157
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	97.938
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	98.938

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	3327.642	0.002	0.468451	ug/L

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	Cr	53	2981.519	0.000	0.543296	ug/L
	Mn	55	1073.074	0.001	0.086412	ug/L
	Co	59	123.002	0.000	0.004796	ug/L
	Cu	63	485.018	0.001	0.193039	ug/L
	Cu	65	676.032	0.001	0.416032	ug/L
	Zn	66	649.030	0.001	0.468866	ug/L
	Zn	68	563.023	-0.000	-0.044566	ug/L
>	Ge	72	472097.554	472097.554		ug/L
	As	75	2479.351	-0.001	-0.381486	ug/L
	Se	77	166.202	0.000	0.942630	ug/L
	Se	82	48.001	0.000	0.728685	ug/L
>	Rh	103	231577.745	231577.745		ug/L
	Ag	107	411.013	0.001	0.049709	ug/L
	Pb	208	851.016	0.000	0.012730	ug/L
>	Bi	209	576018.018	576018.018		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	3306.634	0.002	0.469886	ug/L
	Cr	53	3025.534	0.001	0.738995	ug/L
	Mn	55	1085.076	0.001	0.090738	ug/L
	Co	59	145.003	0.000	0.011670	ug/L
	Cu	63	560.023	0.001	0.240190	ug/L
	Cu	65	693.033	0.001	0.442566	ug/L
	Zn	66	661.031	0.001	0.499797	ug/L
	Zn	68	585.025	0.000	0.018503	ug/L
>	Ge	72	469002.326	469002.326		ug/L
	As	75	2342.215	-0.001	-0.555418	ug/L
	Se	77	176.402	0.000	1.200117	ug/L
	Se	82	-18.116	-0.000	-0.380695	ug/L
>	Rh	103	228388.538	228388.538		ug/L
	Ag	107	389.012	0.001	0.043993	ug/L
	Pb	208	594.013	0.000	0.008704	ug/L
>	Bi	209	566155.373	566155.373		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	3444.687	0.002	0.561978	ug/L
	Cr	53	3113.564	0.001	1.102050	ug/L
	Mn	55	1043.070	0.001	0.083468	ug/L
	Co	59	140.002	0.000	0.010568	ug/L
	Cu	63	524.020	0.001	0.221512	ug/L
	Cu	65	656.030	0.001	0.404555	ug/L
	Zn	66	602.026	0.000	0.398524	ug/L
	Zn	68	527.021	-0.000	-0.111461	ug/L
>	Ge	72	464542.836	464542.836		ug/L
	As	75	2340.367	-0.001	-0.525750	ug/L
	Se	77	174.602	0.000	1.197291	ug/L
	Se	82	-30.434	-0.000	-0.593306	ug/L
>	Rh	103	224087.423	224087.423		ug/L
	Ag	107	477.017	0.001	0.077977	ug/L
	Pb	208	611.014	0.000	0.009689	ug/L
>	Bi	209	571566.788	571566.788		ug/L

01929

Sample Information

Sample ID: 2D30001-IFB1
Autosampler Position: 11
Sample Date/Time: Monday, April 30, 2012 08:20:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-IFB1.014
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	46463.242	0.094	23.615629	0.391	1.654	ug/L
|	Cr	53	9993.257	0.015	22.092224	0.550	2.492	ug/L
|	Mn	55	90536.499	0.191	20.351577	0.151	0.744	ug/L
|	Co	59	65613.928	0.139	19.673285	0.109	0.552	ug/L
|	Cu	63	32847.231	0.069	19.647851	0.096	0.488	ug/L
|	Cu	65	16125.450	0.034	19.482403	0.029	0.148	ug/L
|	Zn	66	10913.656	0.022	19.941077	0.233	1.169	ug/L
|	Zn	68	8487.379	0.017	19.348743	0.370	1.911	ug/L
| >	Ge	72	470518.849	470518.849				ug/L
|	As	75	15728.087	0.028	18.632578	0.300	1.608	ug/L
|	Se	77	1006.789	0.002	20.065689	0.464	2.311	ug/L
⌊	Se	82	1140.594	0.002	19.093486	1.598	8.367	ug/L
⌈ >	Rh	103	227109.827	227109.827				ug/L
⌊	Ag	107	53816.374	0.236	18.836748	0.125	0.663	ug/L
⌈	Pb	208	221109.177	0.387	19.230507	0.155	0.804	ug/L
⌊ >	Bi	209	570218.985	570218.985				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	100.578
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈ >	Rh	102.905	97.548
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	98.760

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
2D30001-IFB1	Cr	52	
2D30001-IFB1	Cr	53	

Replicates

01930

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	46924.260	0.095	23.895223	ug/L
Cr	53	9785.361	0.015	21.493711	ug/L
Mn	55	90751.625	0.192	20.427003	ug/L
Co	59	65890.581	0.140	19.782426	ug/L
Cu	63	32623.758	0.069	19.539333	ug/L
Cu	65	16110.423	0.034	19.489936	ug/L
Zn	66	10838.566	0.022	19.825335	ug/L
Zn	68	8538.093	0.017	19.500902	ug/L
Ge	72	469901.004	469901.004		ug/L
As	75	15933.286	0.028	18.956500	ug/L
Se	77	1006.856	0.002	20.096335	ug/L
Se	82	1248.772	0.003	20.937859	ug/L
Rh	103	227323.323	227323.323		ug/L
Ag	107	53646.355	0.235	18.759643	ug/L
Pb	208	220994.801	0.386	19.161405	ug/L
Bi	209	571957.237	571957.237		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	45802.550	0.092	23.169398	ug/L
Cr	53	10067.672	0.015	22.206173	ug/L
Mn	55	90102.207	0.189	20.177287	ug/L
Co	59	65854.319	0.139	19.672263	ug/L
Cu	63	33028.218	0.070	19.683143	ug/L
Cu	65	16159.511	0.034	19.450514	ug/L
Zn	66	10873.608	0.022	19.788383	ug/L
Zn	68	8629.180	0.017	19.618102	ug/L
Ge	72	472268.079	472268.079		ug/L
As	75	15598.847	0.027	18.365355	ug/L
Se	77	989.454	0.002	19.587320	ug/L
Se	82	1091.598	0.002	18.201025	ug/L
Rh	103	225534.571	225534.571		ug/L
Ag	107	53253.049	0.235	18.769853	ug/L
Pb	208	220660.991	0.385	19.122556	ug/L
Bi	209	572250.882	572250.882		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	46862.917	0.094	23.782268	ug/L
Cr	53	10126.738	0.016	22.576788	ug/L
Mn	55	90755.666	0.192	20.450440	ug/L
Co	59	65096.885	0.138	19.565165	ug/L
Cu	63	32889.716	0.070	19.721078	ug/L
Cu	65	16106.416	0.034	19.506757	ug/L
Zn	66	11028.798	0.023	20.209513	ug/L
Zn	68	8294.865	0.016	18.927226	ug/L
Ge	72	469387.463	469387.463		ug/L
As	75	15651.128	0.028	18.575880	ug/L
Se	77	1024.058	0.002	20.513412	ug/L
Se	82	1081.411	0.002	18.141574	ug/L
Rh	103	228471.587	228471.587		ug/L
Ag	107	54549.716	0.238	18.980749	ug/L
Pb	208	221671.740	0.390	19.407560	ug/L
Bi	209	566448.837	566448.837		ug/L

01931

Sample Information

Sample ID: 2D30001-CCV
Autosampler Position: 2
Sample Date/Time: Monday, April 30, 2012 08:23:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CCV.015
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	86619.752	0.176	44.389057	1.003	2.261	ug/L
|	Cr	53	16043.972	0.028	39.852106	0.459	1.153	ug/L
|	Mn	55	176304.406	0.367	39.122638	0.614	1.568	ug/L
|	Co	59	130688.642	0.273	38.572335	0.390	1.010	ug/L
|	Cu	63	65023.031	0.136	38.347549	0.370	0.965	ug/L
|	Cu	65	31723.255	0.066	38.086679	0.957	2.512	ug/L
|	Zn	66	20580.147	0.042	37.630971	0.653	1.735	ug/L
|	Zn	68	16122.112	0.032	37.383062	0.589	1.576	ug/L
| >	Ge	72	478395.083	478395.083				ug/L
|	As	75	28928.133	0.055	36.880721	0.101	0.273	ug/L
|	Se	77	1746.434	0.003	36.224879	0.339	0.935	ug/L
⌊	Se	82	2179.263	0.005	35.942496	0.548	1.524	ug/L
⌈ >	Rh	103	237380.296	237380.296				ug/L
⌊	Ag	107	109554.606	0.460	36.775604	0.303	0.825	ug/L
⌈	Pb	208	441130.672	0.761	37.843110	0.365	0.964	ug/L
⌊ >	Bi	209	578750.859	578750.859				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	102.262
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈ >	Rh	102.905	101.959
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	100.238

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
2D30001-CCV	Cr	52	
2D30001-CCV	Se	82	

Replicates

01932

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	88205.419	0.180	45.529832	ug/L
Cr	53	16159.511	0.028	39.965701	ug/L
Mn	55	177805.667	0.369	39.287577	ug/L
Co	59	130737.665	0.272	38.399896	ug/L
Cu	63	64640.643	0.134	37.936976	ug/L
Cu	65	30969.972	0.064	36.980212	ug/L
Zn	66	20389.042	0.042	37.092726	ug/L
Zn	68	15951.141	0.032	36.785181	ug/L
Ge	72	480698.228	480698.228		ug/L
As	75	29038.209	0.055	36.840002	ug/L
Se	77	1748.568	0.003	36.086148	ug/L
Se	82	2180.224	0.005	35.787395	ug/L
Rh	103	236771.030	236771.030		ug/L
Ag	107	110307.284	0.465	37.123977	ug/L
Pb	208	438954.507	0.757	37.614211	ug/L
Bi	209	579373.532	579373.532		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	85486.911	0.173	43.642955	ug/L
Cr	53	15930.104	0.027	39.346534	ug/L
Mn	55	173844.178	0.361	38.443448	ug/L
Co	59	130202.055	0.271	38.298496	ug/L
Cu	63	65418.183	0.136	38.450750	ug/L
Cu	65	32381.893	0.067	38.752705	ug/L
Zn	66	21039.528	0.043	38.357399	ug/L
Zn	68	16184.556	0.032	37.400867	ug/L
Ge	72	479996.566	479996.566		ug/L
As	75	29106.259	0.055	36.995265	ug/L
Se	77	1769.572	0.003	36.611092	ug/L
Se	82	2223.400	0.005	36.551058	ug/L
Rh	103	237793.206	237793.206		ug/L
Ag	107	109322.485	0.459	36.633172	ug/L
Pb	208	441618.333	0.758	37.651304	ug/L
Bi	209	582315.917	582315.917		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	85166.925	0.174	43.994382	ug/L
Cr	53	16042.302	0.028	40.244084	ug/L
Mn	55	177163.373	0.372	39.636889	ug/L
Co	59	131126.205	0.276	39.018514	ug/L
Cu	63	65010.268	0.137	38.654918	ug/L
Cu	65	31817.901	0.066	38.517119	ug/L
Zn	66	20311.869	0.042	37.442787	ug/L
Zn	68	16230.638	0.033	37.963137	ug/L
Ge	72	474490.456	474490.456		ug/L
As	75	28638.930	0.055	36.806897	ug/L
Se	77	1721.163	0.003	35.977398	ug/L
Se	82	2134.164	0.004	35.489036	ug/L
Rh	103	237576.651	237576.651		ug/L
Ag	107	109034.049	0.458	36.569684	ug/L
Pb	208	442819.175	0.770	38.263815	ug/L
Bi	209	574563.128	574563.128		ug/L

Sample Information

Sample ID: 2D30001-CCB
Autosampler Position: 1
Sample Date/Time: Monday, April 30, 2012 08:27:31
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CCB.016
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	2947.175	0.001	0.269674	0.092	34.249	ug/L
	Cr	53	2482.364	-0.001	-0.966377	0.147	15.258	ug/L
	Mn	55	686.699	-0.000	-0.000474	0.001	310.660	ug/L
	Co	59	126.335	0.000	0.005871	0.002	33.549	ug/L
	Cu	63	197.337	0.000	0.020981	0.008	39.597	ug/L
	Cu	65	378.345	0.000	0.051097	0.038	73.814	ug/L
	Zn	66	344.010	-0.000	-0.106003	0.061	57.962	ug/L
	Zn	68	563.023	-0.000	-0.041495	0.080	193.154	ug/L
>	Ge	72	471072.113	471072.113				ug/L
	As	75	2447.176	-0.001	-0.419793	0.070	16.562	ug/L
	Se	77	110.467	-0.000	-0.314395	0.090	28.721	ug/L
	Se	82	3.843	-0.000	-0.010304	0.096	934.655	ug/L
>	Rh	103	236359.567	236359.567				ug/L
	Ag	107	349.344	0.000	0.025988	0.016	60.728	ug/L
	Pb	208	556.012	0.000	0.004545	0.005	108.399	ug/L
>	Bi	209	575787.683	575787.683				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	100.696
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.521
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	99.725

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	3135.572	0.001	0.374199	ug/L

01934

	Cr	53	2524.376	-0.001	-0.820689	ug/L
	Mn	55	678.032	-0.000	-0.002089	ug/L
	Co	59	130.002	0.000	0.007066	ug/L
	Cu	63	206.004	0.000	0.026424	ug/L
	Cu	65	406.013	0.000	0.086177	ug/L
	Zn	66	368.011	-0.000	-0.058241	ug/L
	Zn	68	528.021	-0.000	-0.124211	ug/L
>	Ge	72	470012.556	470012.556		ug/L
	As	75	2391.754	-0.001	-0.491535	ug/L
	Se	77	114.201	-0.000	-0.224087	ug/L
	Se	82	4.463	-0.000	-0.000203	ug/L
>	Rh	103	236966.014	236966.014		ug/L
	Ag	107	402.013	0.001	0.043451	ug/L
	Pb	208	609.014	0.000	0.009188	ug/L
>	Bi	209	575112.277	575112.277		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	2839.472	0.001	0.199069	ug/L
	Cr	53	2454.356	-0.001	-1.115523	ug/L
	Mn	55	694.033	-0.000	-0.000125	ug/L
	Co	59	131.002	0.000	0.006950	ug/L
	Cu	63	183.004	0.000	0.011418	ug/L
	Cu	65	349.010	0.000	0.011206	ug/L
	Zn	66	310.008	-0.000	-0.175590	ug/L
	Zn	68	570.024	-0.000	-0.036089	ug/L
>	Ge	72	475034.814	475034.814		ug/L
	As	75	2471.099	-0.001	-0.415123	ug/L
	Se	77	107.401	-0.000	-0.404694	ug/L
	Se	82	-2.162	-0.000	-0.111269	ug/L
>	Rh	103	235086.123	235086.123		ug/L
	Ag	107	335.010	0.000	0.021766	ug/L
	Pb	208	565.012	0.000	0.005070	ug/L
>	Bi	209	578855.010	578855.010		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	2866.481	0.001	0.235755	ug/L
	Cr	53	2468.360	-0.001	-0.962919	ug/L
	Mn	55	688.033	0.000	0.000793	ug/L
	Co	59	118.002	0.000	0.003598	ug/L
	Cu	63	203.004	0.000	0.025100	ug/L
	Cu	65	380.012	0.000	0.055907	ug/L
	Zn	66	354.010	-0.000	-0.083177	ug/L
	Zn	68	591.025	0.000	0.035815	ug/L
>	Ge	72	468168.968	468168.968		ug/L
	As	75	2478.675	-0.001	-0.352722	ug/L
	Se	77	109.801	-0.000	-0.314393	ug/L
	Se	82	9.227	0.000	0.080558	ug/L
>	Rh	103	237026.563	237026.563		ug/L
	Ag	107	311.006	0.000	0.012746	ug/L
	Pb	208	494.010	-0.000	-0.000623	ug/L
>	Bi	209	573395.761	573395.761		ug/L

4

Sample Information

Sample ID: 1205156-BLK1
Autosampler Position: 17
Sample Date/Time: Monday, April 30, 2012 08:31:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1205156-BLK1.017
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	4643.566	0.004	1.106589	0.103	9.300	ug/L
	Cr	53	2728.437	-0.000	-0.455647	0.183	40.118	ug/L
	Mn	55	2349.327	0.003	0.360177	0.007	1.956	ug/L
	Co	59	260.673	0.000	0.043882	0.001	1.608	ug/L
	Cu	63	1789.861	0.003	0.946041	0.025	2.647	ug/L
	Cu	65	1077.075	0.002	0.873292	0.007	0.820	ug/L
	Zn	66	5097.813	0.010	8.619652	0.246	2.851	ug/L
	Zn	68	4088.293	0.007	8.284561	0.259	3.124	ug/L
>	Ge	72	485251.773	485251.773				ug/L
	As	75	2393.273	-0.001	-0.597865	0.142	23.758	ug/L
	Se	77	112.334	-0.000	-0.345725	0.095	27.611	ug/L
	Se	82	-15.868	-0.000	-0.341944	1.071	313.104	ug/L
>	Rh	103	241007.703	241007.703				ug/L
	Ag	107	737.704	0.002	0.152397	0.036	23.729	ug/L
	Pb	208	1362.721	0.002	0.074694	0.004	5.804	ug/L
>	Bi	209	573410.903	573410.903				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.727
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.517
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	99.313

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	4810.320	0.005	1.224154	ug/L

I	Cr	53	2675.420	-0.000	-0.513847	ug/L
I	Mn	55	2355.329	0.003	0.368024	ug/L
I	Co	59	257.006	0.000	0.043771	ug/L
I	Cu	63	1801.196	0.003	0.965643	ug/L
I	Cu	65	1067.073	0.002	0.877549	ug/L
I	Zn	66	5172.523	0.010	8.874917	ug/L
I	Zn	68	4031.934	0.007	8.269515	ug/L
I>	Ge	72	479176.974	479176.974		ug/L
I	As	75	2431.217	-0.001	-0.501634	ug/L
I	Se	77	115.001	-0.000	-0.255945	ug/L
I	Se	82	7.896	0.000	0.055012	ug/L
I>	Rh	103	241186.907	241186.907		ug/L
I	Ag	107	619.027	0.001	0.112956	ug/L
I	Pb	208	1314.053	0.001	0.069850	ug/L
I>	Bi	209	576490.613	576490.613		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	4518.168	0.004	1.062775	ug/L
I	Cr	53	2771.450	-0.000	-0.250751	ug/L
I	Mn	55	2301.314	0.003	0.354399	ug/L
I	Co	59	256.006	0.000	0.043239	ug/L
I	Cu	63	1788.194	0.003	0.954646	ug/L
I	Cu	65	1060.072	0.001	0.865024	ug/L
I	Zn	66	5040.447	0.010	8.589408	ug/L
I	Zn	68	4161.994	0.007	8.550525	ug/L
I>	Ge	72	480689.799	480689.799		ug/L
I	As	75	2254.143	-0.001	-0.761002	ug/L
I	Se	77	111.801	-0.000	-0.335233	ug/L
I	Se	82	-89.918	-0.000	-1.554370	ug/L
I>	Rh	103	239044.398	239044.398		ug/L
I	Ag	107	755.039	0.002	0.160245	ug/L
I	Pb	208	1392.056	0.002	0.078209	ug/L
I>	Bi	209	568750.080	568750.080		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	4602.211	0.004	1.032839	ug/L
I	Cr	53	2738.440	-0.000	-0.602041	ug/L
I	Mn	55	2391.338	0.003	0.358109	ug/L
I	Co	59	269.007	0.000	0.044637	ug/L
I	Cu	63	1780.192	0.003	0.917833	ug/L
I	Cu	65	1104.078	0.002	0.877303	ug/L
I	Zn	66	5080.470	0.009	8.384632	ug/L
I	Zn	68	4070.952	0.007	8.033643	ug/L
I>	Ge	72	495888.547	495888.547		ug/L
I	As	75	2494.458	-0.001	-0.530960	ug/L
I	Se	77	110.201	-0.000	-0.445897	ug/L
I	Se	82	34.418	0.000	0.473527	ug/L
I>	Rh	103	242791.805	242791.805		ug/L
I	Ag	107	839.047	0.002	0.183991	ug/L
I	Pb	208	1382.058	0.002	0.076023	ug/L
I>	Bi	209	574992.015	574992.015		ug/L

01937

Sample Information

Sample ID: 2D30001-CRL2
Autosampler Position: 4
Sample Date/Time: Monday, April 30, 2012 08:37:08
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CRL2.018
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	5394.655	0.006	1.531558	0.087	5.709	ug/L
	Cr	53	2863.480	0.000	0.051012	0.124	243.671	ug/L
	Mn	55	5469.367	0.010	1.060342	0.025	2.329	ug/L
	Co	59	3678.114	0.007	1.052414	0.033	3.098	ug/L
	Cu	63	1958.897	0.004	1.058531	0.040	3.787	ug/L
	Cu	65	1213.093	0.002	1.054257	0.040	3.825	ug/L
	Zn	66	919.389	0.001	0.953865	0.016	1.713	ug/L
	Zn	68	958.394	0.001	0.884196	0.116	13.117	ug/L
>	Ge	72	479285.663	479285.663				ug/L
	As	75	3134.412	0.001	0.488039	0.112	23.002	ug/L
	Se	77	162.668	0.000	0.807597	0.205	25.443	ug/L
	Se	82	56.998	0.000	0.865371	0.461	53.301	ug/L
>	Rh	103	242797.082	242797.082				ug/L
	Ag	107	3295.631	0.012	0.992219	0.042	4.185	ug/L
	Pb	208	12395.100	0.020	1.012188	0.027	2.662	ug/L
>	Bi	209	583721.971	583721.971				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.452
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	104.286
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	101.099

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
2D30001-CRL2	Cr	52	
2D30001-CRL2	Cr	53	
2D30001-CRL2	As	75	

Replicates

01938

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	5542.745	0.006	1.618933	ug/L
Cr	53	2898.491	0.000	0.185232	ug/L
Mn	55	5543.745	0.010	1.080963	ug/L
Co	59	3577.740	0.007	1.026288	ug/L
Cu	63	2030.247	0.004	1.104530	ug/L
Cu	65	1242.097	0.002	1.094244	ug/L
Zn	66	926.058	0.001	0.971957	ug/L
Zn	68	908.054	0.001	0.770828	ug/L
Ge	72	477707.576	477707.576		ug/L
As	75	3170.244	0.001	0.552882	ug/L
Se	77	172.602	0.000	1.041714	ug/L
Se	82	86.287	0.000	1.352945	ug/L
Rh	103	241759.832	241759.832		ug/L
Ag	107	3407.673	0.013	1.033903	ug/L
Pb	208	12628.557	0.021	1.039070	ug/L
Bi	209	579845.231	579845.231		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	5257.572	0.006	1.444047	ug/L
Cr	53	2871.482	0.000	0.027840	ug/L
Mn	55	5529.737	0.010	1.067086	ug/L
Co	59	3662.774	0.007	1.041998	ug/L
Cu	63	1936.226	0.004	1.040044	ug/L
Cu	65	1186.088	0.002	1.013609	ug/L
Zn	66	922.056	0.001	0.949472	ug/L
Zn	68	1013.067	0.001	1.002626	ug/L
Ge	72	481907.824	481907.824		ug/L
As	75	3059.245	0.001	0.358413	ug/L
Se	77	159.801	0.000	0.723912	ug/L
Se	82	53.785	0.000	0.807216	ug/L
Rh	103	245085.148	245085.148		ug/L
Ag	107	3325.641	0.012	0.991889	ug/L
Pb	208	12306.371	0.020	1.012307	ug/L
Bi	209	579375.662	579375.662		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	5383.647	0.006	1.531896	ug/L
Cr	53	2820.466	-0.000	-0.060137	ug/L
Mn	55	5334.618	0.010	1.032979	ug/L
Co	59	3793.829	0.008	1.088955	ug/L
Cu	63	1908.219	0.004	1.031018	ug/L
Cu	65	1211.093	0.002	1.054918	ug/L
Zn	66	910.055	0.001	0.940167	ug/L
Zn	68	954.060	0.001	0.879133	ug/L
Ge	72	478241.588	478241.588		ug/L
As	75	3173.747	0.001	0.552823	ug/L
Se	77	155.601	0.000	0.657164	ug/L
Se	82	30.921	0.000	0.435952	ug/L
Rh	103	241546.265	241546.265		ug/L
Ag	107	3153.578	0.012	0.950866	ug/L
Pb	208	12250.372	0.020	0.985187	ug/L
Bi	209	591945.020	591945.020		ug/L

01939

Sample Information

Sample ID: 2D30001-IFB1
Autosampler Position: 11
Sample Date/Time: Monday, April 30, 2012 08:40:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-IFB1.019
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	48181.164	0.095	23.863618	0.019	0.081	ug/L
|	Cr	53	10065.003	0.015	21.508461	0.323	1.501	ug/L
|	Mn	55	93334.953	0.192	20.436178	0.225	1.103	ug/L
|	Co	59	67478.190	0.139	19.706529	0.182	0.921	ug/L
|	Cu	63	33696.004	0.069	19.632702	0.291	1.482	ug/L
|	Cu	65	16731.888	0.034	19.696817	0.573	2.907	ug/L
|	Zn	66	11378.565	0.023	20.261477	0.399	1.969	ug/L
|	Zn	68	8754.301	0.017	19.446295	0.240	1.236	ug/L
|>	Ge	72	483092.072	483092.072				ug/L
|	As	75	16178.193	0.028	18.671632	0.331	1.772	ug/L
|	Se	77	1027.925	0.002	19.939277	0.545	2.736	ug/L
⌊	Se	82	1147.684	0.002	18.707004	0.391	2.090	ug/L
⌈>	Rh	103	234394.456	234394.456				ug/L
⌊	Ag	107	55105.741	0.234	18.688118	0.029	0.157	ug/L
⌈	Pb	208	220243.829	0.386	19.177100	0.254	1.326	ug/L
⌊>	Bi	209	569626.075	569626.075				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	103.266
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	100.677
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	98.658

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
2D30001-IFB1	Cr	52	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit

01940

	Cr	52	48456.281	0.095	23.854239	ug/L
	Cr	53	10020.620	0.015	21.194589	ug/L
	Mn	55	93905.445	0.192	20.435393	ug/L
	Co	59	67175.949	0.138	19.498465	ug/L
	Cu	63	33828.160	0.069	19.586453	ug/L
	Cu	65	16758.600	0.034	19.603532	ug/L
	Zn	66	11621.540	0.023	20.579729	ug/L
	Zn	68	8813.358	0.017	19.458614	ug/L
	Ge	72	486033.007	486033.007		ug/L
	As	75	16370.064	0.028	18.803463	ug/L
	Se	77	1005.856	0.002	19.313603	ug/L
	Se	82	1161.587	0.002	18.822038	ug/L
	Rh	103	232452.663	232452.663		ug/L
	Ag	107	54556.758	0.234	18.656521	ug/L
	Pb	208	220815.022	0.380	18.894441	ug/L
	Bi	209	579548.154	579548.154		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	47597.754	0.094	23.850829	ug/L
	Cr	53	9942.533	0.015	21.491327	ug/L
	Mn	55	93268.936	0.194	20.661889	ug/L
	Co	59	67124.571	0.140	19.832839	ug/L
	Cu	63	33832.175	0.071	19.943195	ug/L
	Cu	65	17045.135	0.035	20.310258	ug/L
	Zn	66	11316.152	0.023	20.390913	ug/L
	Zn	68	8750.297	0.017	19.680233	ug/L
	Ge	72	477486.396	477486.396		ug/L
	As	75	15722.503	0.027	18.295094	ug/L
	Se	77	1032.859	0.002	20.314746	ug/L
	Se	82	1107.913	0.002	18.271458	ug/L
	Rh	103	236988.618	236988.618		ug/L
	Ag	107	55794.247	0.234	18.714721	ug/L
	Pb	208	219928.182	0.390	19.386975	ug/L
	Bi	209	562588.824	562588.824		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	48489.457	0.095	23.885786	ug/L
	Cr	53	10231.857	0.015	21.839457	ug/L
	Mn	55	92830.478	0.190	20.211252	ug/L
	Co	59	68134.049	0.140	19.788282	ug/L
	Cu	63	33427.678	0.068	19.366457	ug/L
	Cu	65	16391.928	0.033	19.176660	ug/L
	Zn	66	11198.004	0.022	19.813788	ug/L
	Zn	68	8699.247	0.017	19.200036	ug/L
	Ge	72	485756.813	485756.813		ug/L
	As	75	16442.012	0.028	18.916340	ug/L
	Se	77	1045.060	0.002	20.189483	ug/L
	Se	82	1173.551	0.002	19.027516	ug/L
	Rh	103	233741.087	233741.087		ug/L
	Ag	107	54986.218	0.234	18.693112	ug/L
	Pb	208	219968.282	0.387	19.249883	ug/L
	Bi	209	566741.246	566741.246		ug/L

01941

Sample Information

Sample ID: 2D30001-CCV
Autosampler Position: 2
Sample Date/Time: Monday, April 30, 2012 08:45:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CCV.020
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	90752.867	0.185	46.697455	1.286	2.755	ug/L
|	Cr	53	16219.621	0.028	40.509481	0.741	1.829	ug/L
|	Mn	55	181694.142	0.379	40.428134	0.594	1.469	ug/L
|	Co	59	132099.909	0.277	39.092134	0.631	1.613	ug/L
|	Cu	63	66191.098	0.138	39.141503	0.507	1.296	ug/L
|	Cu	65	32361.490	0.067	38.962286	0.215	0.552	ug/L
|	Zn	66	20724.804	0.043	38.003729	0.336	0.884	ug/L
|	Zn	68	16223.961	0.033	37.727922	0.342	0.906	ug/L
| >	Ge	72	477138.691	477138.691				ug/L
|	As	75	29894.293	0.057	38.358330	1.480	3.859	ug/L
|	Se	77	1792.243	0.003	37.357296	0.541	1.448	ug/L
⌊	Se	82	2265.536	0.005	37.466404	0.932	2.487	ug/L
⌈ >	Rh	103	240984.090	240984.090				ug/L
⌊	Ag	107	110158.169	0.456	36.424576	0.159	0.437	ug/L
⌈	Pb	208	439922.422	0.752	37.368920	0.244	0.654	ug/L
⌊ >	Bi	209	584472.451	584472.451				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	101.993
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈ >	Rh	102.905	103.507
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	101.229

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
2D30001-CCV	Cr	52	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit

01942

	Cr	52	93658.919	0.191	48.163145	ug/L
	Cr	53	16523.167	0.029	41.355724	ug/L
	Mn	55	164883.103	0.385	41.082570	ug/L
	Co	59	132465.425	0.277	39.141395	ug/L
	Cu	63	66082.971	0.138	39.018806	ug/L
	Cu	65	32612.718	0.068	39.210522	ug/L
	Zn	66	20562.434	0.042	37.643515	ug/L
	Zn	68	16126.452	0.033	37.436647	ug/L
IS	Ge	72	477832.913	477832.913		ug/L
	As	75	28885.421	0.055	36.868673	ug/L
	Se	77	1782.775	0.003	37.085198	ug/L
	Se	82	2238.839	0.005	36.972389	ug/L
IS	Rh	103	238806.258	238806.258		ug/L
	Ag	107	109612.954	0.458	36.574543	ug/L
	Pb	208	438113.081	0.752	37.360661	ug/L
IS	Bi	209	582182.782	582182.782		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	89337.710	0.181	45.755978	ug/L
	Cr	53	16109.422	0.028	39.976871	ug/L
	Mn	55	160173.706	0.375	39.923849	ug/L
	Co	59	130432.323	0.272	38.438306	ug/L
	Cu	63	65729.419	0.137	38.706794	ug/L
	Cu	65	32394.939	0.067	38.841979	ug/L
	Zn	66	20840.068	0.043	38.059244	ug/L
	Zn	68	16447.029	0.033	38.104394	ug/L
IS	Ge	72	479097.968	479097.968		ug/L
	As	75	30032.908	0.057	38.377247	ug/L
	Se	77	1783.975	0.003	37.006618	ug/L
	Se	82	2339.833	0.005	38.541366	ug/L
IS	Rh	103	242032.960	242032.960		ug/L
	Ag	107	110134.203	0.454	36.257754	ug/L
	Pb	208	441174.593	0.757	37.617423	ug/L
IS	Bi	209	582254.142	582254.142		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	89261.971	0.183	46.173244	ug/L
	Cr	53	16026.274	0.028	40.195847	ug/L
	Mn	55	160015.618	0.378	40.277981	ug/L
	Co	59	133401.980	0.281	39.696700	ug/L
	Cu	63	66760.904	0.140	39.698909	ug/L
	Cu	65	32076.811	0.067	38.834358	ug/L
	Zn	66	20771.911	0.043	38.308427	ug/L
	Zn	68	16098.402	0.033	37.642724	ug/L
IS	Ge	72	474485.191	474485.191		ug/L
	As	75	30764.549	0.059	39.829070	ug/L
	Se	77	1809.980	0.004	37.980073	ug/L
	Se	82	2217.937	0.005	36.885456	ug/L
IS	Rh	103	242113.052	242113.052		ug/L
	Ag	107	110727.349	0.456	36.441433	ug/L
	Pb	208	440479.591	0.747	37.128676	ug/L
IS	Bi	209	588980.429	588980.429		ug/L

Sample Information

Sample ID: 2D30001-CCB
Autosampler Position: 1
Sample Date/Time: Monday, April 30, 2012 08:51:10
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CCB.021
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	3127.236	0.001	0.337958	0.066	19.650	ug/L
|	Cr	53	2201.289	-0.001	-1.940831	0.170	8.748	ug/L
|	Mn	55	686.366	-0.000	-0.003138	0.003	82.132	ug/L
|	Co	59	119.002	0.000	0.003086	0.002	69.344	ug/L
|	Cu	63	196.004	0.000	0.018167	0.006	34.921	ug/L
|	Cu	65	340.343	-0.000	-0.002914	0.023	775.272	ug/L
|	Zn	66	325.676	-0.000	-0.151407	0.050	32.902	ug/L
|	Zn	68	534.354	-0.000	-0.133337	0.054	40.358	ug/L
|>	Ge	72	479069.952	479069.952				ug/L
|	As	75	2393.023	-0.001	-0.554250	0.659	118.968	ug/L
|	Se	77	111.334	-0.000	-0.337236	0.032	9.467	ug/L
⌊	Se	82	-22.333	-0.000	-0.443164	0.460	103.757	ug/L
⌈>	Rh	103	241319.744	241319.744				ug/L
⌊	Ag	107	346.677	0.000	0.022669	0.008	34.690	ug/L
⌈	Pb	208	516.677	0.000	0.000725	0.001	90.153	ug/L
⌊>	Bi	209	581342.181	581342.181				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	102.406
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	103.652
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	100.687

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
2D30001-CCB	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit

01944

	Cr	52	3232.607	0.002	0.388642	ug/L
	Cr	53	2143.274	-0.001	-2.134383	ug/L
	Mn	55	685.033	-0.000	-0.003872	ug/L
	Co	59	111.002	0.000	0.000629	ug/L
	Cu	63	198.004	0.000	0.019024	ug/L
	Cu	65	361.011	0.000	0.020911	ug/L
	Zn	66	345.010	-0.000	-0.117125	ug/L
	Zn	68	519.020	-0.000	-0.173842	ug/L
IS	Ge	72	480436.942	480436.942		ug/L
	As	75	2559.174	-0.000	-0.330883	ug/L
	Se	77	110.601	-0.000	-0.360641	ug/L
	Se	82	-30.898	-0.000	-0.583789	ug/L
IS	Rh	103	242618.261	242618.261		ug/L
	Ag	107	373.011	0.000	0.030745	ug/L
	Pb	208	518.011	0.000	0.000653	ug/L
IS	Bi	209	583860.427	583860.427		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	3163.582	0.001	0.362450	ug/L
	Cr	53	2235.297	-0.001	-1.817094	ug/L
	Mn	55	697.034	-0.000	-0.000273	ug/L
	Co	59	122.002	0.000	0.004082	ug/L
	Cu	63	184.004	0.000	0.011438	ug/L
	Cu	65	337.010	-0.000	-0.005625	ug/L
	Zn	66	294.008	-0.000	-0.208549	ug/L
	Zn	68	558.023	-0.000	-0.072278	ug/L
IS	Ge	72	477543.271	477543.271		ug/L
	As	75	2752.742	-0.000	-0.035564	ug/L
	Se	77	110.401	-0.000	-0.350199	ug/L
	Se	82	8.807	0.000	0.070546	ug/L
IS	Rh	103	240908.671	240908.671		ug/L
	Ag	107	323.009	0.000	0.015036	ug/L
	Pb	208	529.011	0.000	0.001412	ug/L
IS	Bi	209	586160.619	586160.619		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	2985.520	0.001	0.262784	ug/L
	Cr	53	2225.295	-0.001	-1.871017	ug/L
	Mn	55	677.032	-0.000	-0.005269	ug/L
	Co	59	124.002	0.000	0.004545	ug/L
	Cu	63	206.004	0.000	0.024040	ug/L
	Cu	65	323.009	-0.000	-0.024029	ug/L
	Zn	66	338.010	-0.000	-0.128546	ug/L
	Zn	68	526.020	-0.000	-0.153892	ug/L
IS	Ge	72	479229.644	479229.644		ug/L
	As	75	1867.153	-0.002	-1.296304	ug/L
	Se	77	113.001	-0.000	-0.300868	ug/L
	Se	82	-44.908	-0.000	-0.816239	ug/L
IS	Rh	103	240432.301	240432.301		ug/L
	Ag	107	344.010	0.000	0.022225	ug/L
	Pb	208	503.010	0.000	0.000111	ug/L
IS	Bi	209	574005.498	574005.498		ug/L

Sample Information

Sample ID: 1205156-BLK1
Autosampler Position: 17
Sample Date/Time: Monday, April 30, 2012 08:55:13
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1205156-BLK1.022
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	4891.365	0.005	1.227645	0.059	4.827	ug/L
	Cr	53	2495.367	-0.001	-1.168822	0.177	15.155	ug/L
	Mn	55	2383.670	0.003	0.366443	0.021	5.640	ug/L
	Co	59	290.341	0.000	0.052320	0.002	3.747	ug/L
	Cu	63	1813.532	0.003	0.957040	0.039	4.033	ug/L
	Cu	65	1105.745	0.002	0.903928	0.024	2.608	ug/L
	Zn	66	5076.802	0.010	8.553859	0.205	2.399	ug/L
	Zn	68	4028.933	0.007	8.116323	0.129	1.595	ug/L
>	Ge	72	486557.600	486557.600				ug/L
	As	75	3032.078	0.000	0.281005	0.295	105.060	ug/L
	Se	77	115.201	-0.000	-0.291456	0.105	35.876	ug/L
	Se	82	37.549	0.000	0.538237	0.626	116.316	ug/L
>	Rh	103	243680.620	243680.620				ug/L
	Ag	107	704.701	0.002	0.139012	0.013	9.509	ug/L
	Pb	208	1362.052	0.001	0.073504	0.001	2.024	ug/L
>	Bi	209	578861.892	578861.892				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.007
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	104.666
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	100.257

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	4942.393	0.005	1.215644	ug/L

01946

	Cr	53	2470.360	-0.001	-1.354479	ug/L
	Mn	55	2313.317	0.003	0.343288	ug/L
	Co	59	288.007	0.000	0.050659	ug/L
	Cu	63	1779.192	0.003	0.921238	ug/L
	Cu	65	1131.082	0.002	0.914107	ug/L
	Zn	66	5161.516	0.010	8.566870	ug/L
	Zn	68	4031.934	0.007	7.979731	ug/L
	Ge	72	493953.323	493953.323		ug/L
	As	75	2884.670	0.000	0.029377	ug/L
	Se	77	122.401	-0.000	-0.172490	ug/L
	Se	82	28.887	0.000	0.387130	ug/L
	Rh	103	245137.533	245137.533		ug/L
	Ag	107	667.031	0.002	0.125295	ug/L
	Pb	208	1347.051	0.001	0.072583	ug/L
	Bi	209	577047.326	577047.326		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	4728.277	0.005	1.175169	ug/L
Cr	53	2519.374	-0.001	-1.001670	ug/L
Mn	55	2383.336	0.004	0.373025	ug/L
Co	59	294.008	0.000	0.054482	ug/L
Cu	63	1860.209	0.004	0.997933	ug/L
Cu	65	1089.074	0.002	0.876972	ug/L
Zn	66	5118.492	0.010	8.752215	ug/L
Zn	68	3983.913	0.007	8.131969	ug/L
Ge	72	480289.446	480289.446		ug/L
As	75	2941.668	0.000	0.207646	ug/L
Se	77	110.201	-0.000	-0.368793	ug/L
Se	82	79.043	0.000	1.226019	ug/L
Rh	103	244678.351	244678.351		ug/L
Ag	107	711.035	0.002	0.140071	ug/L
Pb	208	1387.054	0.002	0.075220	ug/L
Bi	209	580977.193	580977.193		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	5003.427	0.005	1.291922	ug/L
Cr	53	2496.368	-0.001	-1.150317	ug/L
Mn	55	2454.356	0.004	0.383017	ug/L
Co	59	288.007	0.000	0.051819	ug/L
Cu	63	1801.196	0.003	0.951948	ug/L
Cu	65	1117.080	0.002	0.920704	ug/L
Zn	66	4950.397	0.009	8.342491	ug/L
Zn	68	4070.952	0.007	8.237267	ug/L
Ge	72	485430.030	485430.030		ug/L
As	75	3259.697	0.001	0.605992	ug/L
Se	77	113.001	-0.000	-0.333084	ug/L
Se	82	4.717	0.000	0.001563	ug/L
Rh	103	241227.975	241227.975		ug/L
Ag	107	736.037	0.002	0.151869	ug/L
Pb	208	1352.052	0.001	0.072708	ug/L
Bi	209	578561.158	578561.158		ug/L

Sample Information

Sample ID: 1205156-BS1
Autosampler Position: 18
Sample Date/Time: Monday, April 30, 2012 08:58:56
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1205156-BS1.023
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	111067.612	0.224	56.424302	0.987	1.750	ug/L
|	Cr	53	19841.828	0.035	50.430873	0.448	0.888	ug/L
|	Mn	55	228598.516	0.469	50.021408	0.734	1.467	ug/L
|	Co	59	167873.505	0.346	48.824636	0.665	1.363	ug/L
|	Cu	63	84819.366	0.174	49.312363	0.600	1.217	ug/L
|	Cu	65	40743.843	0.083	48.301682	0.277	0.574	ug/L
|	Zn	66	40331.671	0.082	73.366716	0.728	0.992	ug/L
|	Zn	68	31040.551	0.063	72.176241	0.266	0.369	ug/L
|>	Ge	72	485573.283	485573.283				ug/L
|	As	75	36907.921	0.070	47.365554	0.922	1.946	ug/L
|	Se	77	2205.401	0.004	45.761416	0.472	1.031	ug/L
⌊	Se	82	2892.582	0.006	47.026717	0.633	1.347	ug/L
⌈>	Rh	103	245590.946	245590.946				ug/L
⌊	Ag	107	140061.425	0.569	45.467058	0.374	0.823	ug/L
⌈	Pb	208	554966.282	0.948	47.111186	0.462	0.980	ug/L
⌊>	Bi	209	584991.136	584991.136				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	103.796
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	105.486
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	101.319

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	113297.755	0.227	57.242113	ug/L

01948

	Cr	53	19932.026	0.035	50.353969	ug/L
	Mn	55	229442.596	0.468	49.911742	ug/L
	Co	59	168027.270	0.344	48.582953	ug/L
	Cu	63	84429.083	0.173	48.797204	ug/L
	Cu	65	41111.157	0.083	48.455842	ug/L
	Zn	66	40460.240	0.082	73.169062	ug/L
	Zn	68	31312.145	0.063	72.392140	ug/L
	Ge	72	488398.906	488398.906		ug/L
	As	75	37876.154	0.072	48.408847	ug/L
	Se	77	2210.469	0.004	45.588833	ug/L
	Se	82	2878.367	0.006	46.524673	ug/L
	Rh	103	246841.744	246841.744		ug/L
	Ag	107	136905.716	0.566	45.184286	ug/L
	Pb	208	553321.367	0.947	47.088487	ug/L
	Bi	209	583518.482	583518.482		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	110530.979	0.225	56.703304	ug/L
Cr	53	19811.762	0.035	50.912111	ug/L
Mn	55	229943.011	0.477	50.803650	ug/L
Co	59	168829.945	0.351	49.577160	ug/L
Cu	63	85128.568	0.177	49.871322	ug/L
Cu	65	40489.370	0.083	48.467502	ug/L
Zn	66	40379.884	0.083	74.173140	ug/L
Zn	68	30616.775	0.062	71.878792	ug/L
Ge	72	480897.358	480897.358		ug/L
As	75	36308.976	0.070	47.026029	ug/L
Se	77	2208.268	0.004	46.295067	ug/L
Se	82	2851.956	0.006	46.817330	ug/L
Rh	103	243908.108	243908.108		ug/L
Ag	107	140401.274	0.574	45.891155	ug/L
Pb	208	553266.015	0.939	46.661103	ug/L
Bi	209	588799.236	588799.236		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	109374.101	0.219	55.327490	ug/L
Cr	53	19781.697	0.035	50.026541	ug/L
Mn	55	226409.940	0.463	49.348834	ug/L
Co	59	166763.301	0.342	48.313797	ug/L
Cu	63	84900.447	0.174	49.168564	ug/L
Cu	65	40631.001	0.083	47.981700	ug/L
Zn	66	40154.868	0.082	72.757946	ug/L
Zn	68	31192.734	0.063	72.257790	ug/L
Ge	72	487423.585	487423.585		ug/L
As	75	36538.634	0.069	46.661785	ug/L
Se	77	2197.466	0.004	45.400349	ug/L
Se	82	2947.422	0.006	47.738148	ug/L
Rh	103	246022.985	246022.985		ug/L
Ag	107	139877.284	0.567	45.325733	ug/L
Pb	208	558311.463	0.957	47.583966	ug/L
Bi	209	582655.688	582655.688		ug/L

Sample Information

Sample ID: 1204308-01
Autosampler Position: 19
Sample Date/Time: Monday, April 30, 2012 09:02:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1204308-01.024
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	5749.877	0.007	1.656782	0.108	6.502	ug/L
	Cr	53	2676.087	-0.000	-0.677221	0.262	38.619	ug/L
	Mn	55	8812.358	0.017	1.763795	0.030	1.673	ug/L
	Co	59	633.028	0.001	0.150824	0.003	2.091	ug/L
	Cu	63	3934.224	0.008	2.176983	0.037	1.695	ug/L
	Cu	65	2273.307	0.004	2.282515	0.054	2.363	ug/L
	Zn	66	5938.333	0.011	10.073654	0.316	3.133	ug/L
	Zn	68	5525.068	0.010	11.583104	0.315	2.717	ug/L
>	Ge	72	489260.398	489260.398				ug/L
	As	75	3232.876	0.001	0.534015	0.215	40.168	ug/L
	Se	77	134.001	0.000	0.106955	0.102	95.688	ug/L
	Se	82	22.146	0.000	0.282864	0.375	132.612	ug/L
>	Rh	103	238578.268	238578.268				ug/L
	Ag	107	886.052	0.003	0.204623	0.004	2.109	ug/L
	Pb	208	35045.330	0.059	2.930665	0.003	0.086	ug/L
>	Bi	209	585685.991	585685.991				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.584
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.474
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	101.439

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	5937.998	0.007	1.744423	ug/L

01950

I	Cr	53	2708.430	-0.000	-0.606753	ug/L
I	Mn	55	8954.497	0.017	1.788824	ug/L
I	Co	59	627.028	0.001	0.148531	ug/L
I	Cu	63	3897.874	0.008	2.149012	ug/L
I	Cu	65	2260.304	0.004	2.258756	ug/L
I	Zn	66	6091.101	0.012	10.318221	ug/L
I	Zn	68	5415.667	0.010	11.287358	ug/L
I>	Ge	72	490744.311	490744.311		ug/L
I	As	75	3331.505	0.001	0.655664	ug/L
I	Se	77	132.401	0.000	0.062810	ug/L
I	Se	82	44.287	0.000	0.638285	ug/L
I>	Rh	103	241393.279	241393.279		ug/L
I	Ag	107	890.052	0.003	0.202470	ug/L
I	Pb	208	35232.869	0.059	2.933498	ug/L
I>	Bi	209	588261.009	588261.009		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	5772.890	0.007	1.689398	ug/L
I	Cr	53	2731.438	-0.000	-0.458140	ug/L
I	Mn	55	8785.331	0.017	1.771295	ug/L
I	Co	59	641.029	0.001	0.154421	ug/L
I	Cu	63	3976.910	0.008	2.218806	ug/L
I	Cu	65	2309.316	0.004	2.344249	ug/L
I	Zn	66	5858.011	0.011	10.185286	ug/L
I	Zn	68	5471.701	0.010	11.548049	ug/L
I>	Ge	72	485852.742	485852.742		ug/L
I	As	75	3301.448	0.001	0.660040	ug/L
I	Se	77	138.401	0.000	0.223963	ug/L
I	Se	82	24.260	0.000	0.319549	ug/L
I>	Rh	103	237587.941	237587.941		ug/L
I	Ag	107	874.051	0.003	0.201807	ug/L
I	Pb	208	35147.932	0.059	2.928700	ug/L
I>	Bi	209	587789.952	587789.952		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
I	Cr	52	5538.742	0.006	1.536525	ug/L
I	Cr	53	2588.394	-0.001	-0.966770	ug/L
I	Mn	55	8697.245	0.016	1.731265	ug/L
I	Co	59	631.028	0.001	0.149520	ug/L
I	Cu	63	3925.887	0.008	2.163131	ug/L
I	Cu	65	2250.301	0.004	2.244538	ug/L
I	Zn	66	5765.886	0.011	9.717454	ug/L
I	Zn	68	5687.836	0.010	11.913906	ug/L
I>	Ge	72	491184.140	491184.140		ug/L
I	As	75	3065.674	0.000	0.286340	ug/L
I	Se	77	131.201	0.000	0.034093	ug/L
I	Se	82	-2.110	-0.000	-0.109242	ug/L
I>	Rh	103	236753.584	236753.584		ug/L
I	Ag	107	894.053	0.003	0.209591	ug/L
I	Pb	208	34755.188	0.059	2.929799	ug/L
I>	Bi	209	581007.012	581007.012		ug/L

01951

Sample Information

Sample ID: 1205156-MS1
Autosampler Position: 20
Sample Date/Time: Monday, April 30, 2012 09:06:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1205156-MS1.025
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	91617.659	0.183	46.241621	0.804	1.739	ug/L
	Cr	53	16400.280	0.028	40.120669	0.846	2.108	ug/L
	Mn	55	187464.418	0.384	40.927224	0.430	1.051	ug/L
	Co	59	132146.289	0.272	38.365261	0.540	1.407	ug/L
	Cu	63	69042.564	0.142	40.057709	0.453	1.132	ug/L
	Cu	65	33521.359	0.068	39.603988	0.283	0.716	ug/L
	Zn	66	28590.845	0.058	51.705986	0.705	1.364	ug/L
	Zn	68	22861.271	0.046	52.702344	0.183	0.346	ug/L
>	Ge	72	486316.268	486316.268				ug/L
	As	75	30827.991	0.058	38.852057	0.530	1.365	ug/L
	Se	77	1801.979	0.003	36.811587	0.393	1.068	ug/L
	Se	82	2287.194	0.005	37.113109	0.890	2.397	ug/L
>	Rh	103	238271.602	238271.602				ug/L
	Ag	107	110136.228	0.461	36.833624	0.286	0.775	ug/L
	Pb	208	473008.154	0.805	39.996214	0.841	2.104	ug/L
>	Bi	209	587257.890	587257.890				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	103.955
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	102.342
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	101.712

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	93196.195	0.187	47.139448	ug/L

	Cr	53	16417.976	0.028	40.252464	ug/L
	Mn	55	188203.025	0.386	41.156330	ug/L
	Co	59	130348.127	0.268	37.905061	ug/L
	Cu	63	68263.013	0.140	39.669601	ug/L
	Cu	65	33243.001	0.068	39.336951	ug/L
	Zn	66	78417.630	0.058	51.473414	ug/L
	Zn	68	22768.705	0.046	52.571749	ug/L
	Ge	72	485518.577	485518.577		ug/L
	As	75	30345.955	0.057	38.252935	ug/L
	Se	77	1817.182	0.003	37.211479	ug/L
	Se	82	2283.688	0.005	37.116332	ug/L
	Rh	103	239810.182	239810.182		ug/L
	Ag	107	110004.647	0.458	36.551521	ug/L
	Pb	208	470535.289	0.795	39.529359	ug/L
	Bi	209	591000.428	591000.428		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	91106.149	0.182	45.998475	ug/L
Cr	53	16652.404	0.028	40.892749	ug/L
Mn	55	188591.965	0.387	41.194123	ug/L
Co	59	134125.517	0.276	38.959579	ug/L
Cu	63	69865.131	0.143	40.556146	ug/L
Cu	65	33753.884	0.069	39.901475	ug/L
Zn	66	29006.498	0.059	52.498140	ug/L
Zn	68	22938.131	0.046	52.910977	ug/L
Ge	72	486077.283	486077.283		ug/L
As	75	30949.326	0.058	39.042130	ug/L
Se	77	1783.575	0.003	36.425921	ug/L
Se	82	2340.715	0.005	38.001239	ug/L
Rh	103	238616.367	238616.367		ug/L
Ag	107	110278.943	0.461	36.826679	ug/L
Pb	208	468302.220	0.795	39.491691	ug/L
Bi	209	590013.292	590013.292		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	90550.634	0.181	45.586941	ug/L
Cr	53	16130.459	0.027	39.216794	ug/L
Mn	55	185588.262	0.379	40.431218	ug/L
Co	59	131865.223	0.271	38.231143	ug/L
Cu	63	68999.549	0.141	39.947380	ug/L
Cu	65	33567.192	0.068	39.573538	ug/L
Zn	66	28346.408	0.057	51.146404	ug/L
Zn	68	22876.977	0.046	52.824306	ug/L
Ge	72	487352.944	487352.944		ug/L
As	75	31188.692	0.058	39.261108	ug/L
Se	77	1805.179	0.003	36.797381	ug/L
Se	82	2237.179	0.005	36.221755	ug/L
Rh	103	236388.256	236388.256		ug/L
Ag	107	110125.093	0.465	37.122671	ug/L
Pb	208	479186.953	0.824	40.967592	ug/L
Bi	209	580759.948	580759.948		ug/L

Sample Information

Sample ID: 1205156-MSD1
Autosampler Position: 21
Sample Date/Time: Monday, April 30, 2012 09:10:09
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1205156-MSD1.026
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	108514.327	0.215	54.317457	1.161	2.137	ug/L
	Cr	53	19025.745	0.033	47.219284	0.684	1.449	ug/L
	Mn	55	221959.484	0.449	47.885887	0.333	0.696	ug/L
	Co	59	159025.148	0.323	45.607523	0.764	1.674	ug/L
	Cu	63	82271.421	0.167	47.161029	0.381	0.808	ug/L
	Cu	65	39565.306	0.080	46.237989	0.560	1.211	ug/L
	Zn	66	35406.168	0.071	63.409499	0.426	0.672	ug/L
	Zn	68	28268.500	0.056	64.676234	0.601	0.929	ug/L
>	Ge	72	492413.338	492413.338				ug/L
	As	75	35935.995	0.067	45.322531	0.349	0.769	ug/L
	Se	77	2113.846	0.004	43.095569	0.056	0.130	ug/L
	Se	82	2790.766	0.006	44.742653	0.833	1.861	ug/L
>	Rh	103	240481.688	240481.688				ug/L
	Ag	107	131885.099	0.547	43.718016	0.240	0.549	ug/L
	Pb	208	559050.368	0.948	47.106309	0.183	0.389	ug/L
>	Bi	209	589337.854	589337.854				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	105.258
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.292
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	102.072

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	110517.820	0.220	55.421526	ug/L

01954

	Cr	53	19174.391	0.033	47.732911	ug/L
	Mn	55	221715.290	0.449	47.900315	ug/L
	Co	59	158302.963	0.322	45.461561	ug/L
	Cu	63	81804.222	0.166	46.956635	ug/L
	Cu	65	39516.092	0.080	46.243928	ug/L
	Zn	66	35460.378	0.071	63.588022	ug/L
	Zn	68	28004.347	0.056	64.151185	ug/L
>	Ge	72	491704.156	491704.156		ug/L
	As	75	35598.374	0.067	44.930946	ug/L
	Se	77	2110.845	0.004	43.096196	ug/L
	Se	82	2774.602	0.006	44.542797	ug/L
>	Rh	103	238573.257	238573.257		ug/L
	Ag	107	131016.641	0.548	43.777090	ug/L
	Pb	208	556909.587	0.944	46.900865	ug/L
>	Bi	209	589649.805	589649.805		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	107868.254	0.216	54.423657	ug/L
	Cr	53	18964.951	0.033	47.482174	ug/L
	Mn	55	221701.971	0.452	48.211769	ug/L
	Co	59	160634.350	0.329	46.433542	ug/L
	Cu	63	82381.405	0.168	47.600638	ug/L
	Cu	65	39722.993	0.081	46.795050	ug/L
	Zn	66	35290.718	0.071	63.709083	ug/L
	Zn	68	28323.336	0.057	65.331864	ug/L
>	Ge	72	488508.570	488508.570		ug/L
	As	75	35733.856	0.067	45.437698	ug/L
	Se	77	2098.642	0.004	43.151282	ug/L
	Se	82	2825.412	0.006	45.657089	ug/L
>	Rh	103	241971.352	241971.352		ug/L
	Ag	107	131904.349	0.544	43.454081	ug/L
	Pb	208	559408.548	0.949	47.164763	ug/L
>	Bi	209	588984.692	588984.692		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	107156.908	0.210	53.107188	ug/L
	Cr	53	18937.884	0.032	46.442767	ug/L
	Mn	55	222461.191	0.446	47.545577	ug/L
	Co	59	158138.130	0.318	44.927465	ug/L
	Cu	63	82628.636	0.166	46.923814	ug/L
	Cu	65	39456.835	0.079	45.674990	ug/L
	Zn	66	35467.406	0.071	62.921391	ug/L
	Zn	68	28477.819	0.056	64.545652	ug/L
>	Ge	72	497027.287	497027.287		ug/L
	As	75	36475.754	0.068	45.598948	ug/L
	Se	77	2131.050	0.004	43.039229	ug/L
	Se	82	2772.284	0.006	44.028072	ug/L
>	Rh	103	240900.457	240900.457		ug/L
	Ag	107	132734.307	0.550	43.922876	ug/L
	Pb	208	560832.971	0.951	47.253300	ug/L
>	Bi	209	589379.064	589379.064		ug/L

Sample Information

Sample ID: 2D30001-SRD1
Autosampler Position: 22
Sample Date/Time: Monday, April 30, 2012 09:13:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-SRD1.027
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	4283.052	0.004	0.901985	0.070	7.743	ug/L
|	Cr	53	2232.296	-0.001	-1.981208	0.149	7.516	ug/L
|	Mn	55	2254.969	0.003	0.335834	0.019	5.689	ug/L
|	Co	59	198.338	0.000	0.025329	0.007	29.378	ug/L
|	Cu	63	958.060	0.002	0.456810	0.012	2.649	ug/L
|	Cu	65	724.036	0.001	0.444647	0.002	0.376	ug/L
|	Zn	66	1486.470	0.002	1.956109	0.188	9.600	ug/L
|	Zn	68	1559.816	0.002	2.256328	0.037	1.626	ug/L
| >	Ge	72	488796.583	488796.583				ug/L
|	As	75	2828.013	-0.000	-0.021646	0.168	776.327	ug/L
|	Se	77	108.001	-0.000	-0.459781	0.052	11.314	ug/L
⌊	Se	82	42.963	0.000	0.620200	0.430	69.404	ug/L
⌈ >	Rh	103	240649.825	240649.825				ug/L
⌊	Ag	107	495.352	0.001	0.072290	0.018	24.363	ug/L
⌈	Pb	208	7380.900	0.012	0.581636	0.007	1.179	ug/L
⌊ >	Bi	209	586930.932	586930.932				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	104.485
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈ >	Rh	102.905	103.364
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	101.655

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	4414.116	0.004	0.961194	ug/L

01956

	Cr	53	2183.284	-0.001	-2.150423	ug/L
	Mn	55	2321.320	0.003	0.348410	ug/L
	Co	59	203.004	0.000	0.026449	ug/L
	Cu	63	971.062	0.002	0.462264	ug/L
	Cu	65	726.036	0.001	0.443806	ug/L
	Zn	66	1381.119	0.002	1.754095	ug/L
	Zn	68	1549.147	0.002	2.217537	ug/L
	Ge	72	490627.238	490627.238		ug/L
	As	75	2965.048	0.000	0.152715	ug/L
	Se	77	109.801	-0.000	-0.429227	ug/L
	Se	82	16.190	0.000	0.185637	ug/L
	Rh	103	238688.243	238688.243		ug/L
	Ag	107	502.019	0.001	0.075842	ug/L
	Pb	208	7430.257	0.012	0.588398	ug/L
	Bi	209	583579.201	583579.201		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	4298.059	0.004	0.919804	ug/L
	Cr	53	2260.304	-0.001	-1.870201	ug/L
	Mn	55	2288.311	0.003	0.345241	ug/L
	Co	59	221.005	0.000	0.032146	ug/L
	Cu	63	930.057	0.002	0.442941	ug/L
	Cu	65	720.036	0.001	0.443563	ug/L
	Zn	66	1498.138	0.002	1.988869	ug/L
	Zn	68	1555.149	0.002	2.260990	ug/L
	Ge	72	486709.820	486709.820		ug/L
	As	75	2696.565	-0.000	-0.182557	ug/L
	Se	77	104.801	-0.000	-0.518846	ug/L
	Se	82	43.324	0.000	0.626559	ug/L
	Rh	103	243397.693	243397.693		ug/L
	Ag	107	548.022	0.001	0.087790	ug/L
	Pb	208	7418.237	0.012	0.576410	ug/L
	Bi	209	594843.357	594843.357		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	4135.982	0.003	0.824959	ug/L
	Cr	53	2253.302	-0.001	-1.923000	ug/L
	Mn	55	2155.277	0.003	0.313849	ug/L
	Co	59	171.003	0.000	0.017391	ug/L
	Cu	63	973.062	0.002	0.465224	ug/L
	Cu	65	726.036	0.001	0.446572	ug/L
	Zn	66	1580.153	0.002	2.125363	ug/L
	Zn	68	1575.152	0.002	2.290458	ug/L
	Ge	72	489052.692	489052.692		ug/L
	As	75	2819.427	-0.000	-0.035094	ug/L
	Se	77	109.401	-0.000	-0.430268	ug/L
	Se	82	89.376	0.000	1.046405	ug/L
	Rh	103	239862.537	239862.537		ug/L
	Ag	107	436.015	0.001	0.053138	ug/L
	Pb	208	7294.204	0.012	0.578100	ug/L
	Bi	209	582370.237	582370.237		ug/L

01957

Sample Information

Sample ID: 1205156-PS1
Autosampler Position: 23
Sample Date/Time: Monday, April 30, 2012 09:17:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1205156-PS1.028
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	50055.958	0.097	24.529041	0.749	3.053	ug/L
|	Cr	53	9454.342	0.013	19.341765	0.538	2.781	ug/L
|	Mn	55	102578.166	0.208	22.199364	0.268	1.209	ug/L
|	Co	59	69171.871	0.141	19.955335	0.291	1.457	ug/L
|	Cu	63	37661.902	0.077	21.683920	0.231	1.067	ug/L
|	Cu	65	18458.238	0.037	21.498218	0.188	0.876	ug/L
|	Zn	66	16749.922	0.033	29.802944	0.426	1.431	ug/L
|	Zn	68	14106.744	0.028	31.791407	0.321	1.009	ug/L
|>	Ge	72	489073.172	489073.172				ug/L
|	As	75	17717.933	0.030	20.524550	0.741	3.610	ug/L
|	Se	77	984.453	0.002	18.710432	0.353	1.888	ug/L
⌊	Se	82	1130.108	0.002	18.197500	0.304	1.668	ug/L
⌈>	Rh	103	238382.776	238382.776				ug/L
⌊	Ag	107	60371.410	0.252	20.138421	0.092	0.458	ug/L
⌈	Pb	208	263419.597	0.448	22.287121	0.048	0.214	ug/L
⌊>	Bi	209	586333.285	586333.285				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	104.544
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	102.390
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	101.551

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	50883.512	0.100	25.145310	ug/L

01958

	Cr	53	9489.045	0.014	19.647948	ug/L
	Mn	55	102681.658	0.210	22.385866	ug/L
	Co	59	68440.340	0.141	19.689098	ug/L
	Cu	63	37131.045	0.076	21.535547	ug/L
	Cu	65	18425.838	0.037	21.620598	ug/L
	Zn	66	16358.869	0.033	29.312447	ug/L
	Zn	68	14147.141	0.028	32.131514	ug/L
	Ge	72	485471.141	485471.141		ug/L
	As	75	17280.784	0.030	20.095721	ug/L
	Se	77	980.853	0.002	18.788331	ug/L
	Se	82	1120.386	0.002	18.172850	ug/L
	Rh	103	236686.880	236686.880		ug/L
	Ag	107	59687.899	0.251	20.052904	ug/L
	Pb	208	263742.898	0.449	22.324050	ug/L
	Bi	209	586078.574	586078.574		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	49099.726	0.094	23.695728	ug/L
	Cr	53	9368.919	0.013	18.720628	ug/L
	Mn	55	102527.936	0.205	21.891716	ug/L
	Co	59	69218.204	0.139	19.703392	ug/L
	Cu	63	37959.464	0.076	21.565815	ug/L
	Cu	65	18521.032	0.037	21.281363	ug/L
	Zn	66	17088.216	0.034	30.010594	ug/L
	Zn	68	14168.174	0.027	31.494120	ug/L
	Ge	72	495608.896	495608.896		ug/L
	As	75	17643.133	0.030	20.097746	ug/L
	Se	77	979.853	0.002	18.324682	ug/L
	Se	82	1127.122	0.002	17.907039	ug/L
	Rh	103	239808.129	239808.129		ug/L
	Ag	107	60695.548	0.252	20.126365	ug/L
	Pb	208	261603.817	0.449	22.304143	ug/L
	Bi	209	581843.029	581843.029		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	50184.637	0.096	24.746085	ug/L
	Cr	53	9505.061	0.014	19.656719	ug/L
	Mn	55	102524.902	0.209	22.320510	ug/L
	Co	59	69857.069	0.143	20.273515	ug/L
	Cu	63	37895.196	0.078	21.950399	ug/L
	Cu	65	18427.842	0.037	21.592694	ug/L
	Zn	66	16802.682	0.034	30.085789	ug/L
	Zn	68	14004.919	0.028	31.748585	ug/L
	Ge	72	486139.480	486139.480		ug/L
	As	75	18229.883	0.032	21.380185	ug/L
	Se	77	992.854	0.002	19.018283	ug/L
	Se	82	1142.818	0.002	18.512611	ug/L
	Rh	103	238653.318	238653.318		ug/L
	Ag	107	60730.783	0.253	20.235993	ug/L
	Pb	208	264912.077	0.447	22.233170	ug/L
	Bi	209	591078.252	591078.252		ug/L

01959

Sample Information

Sample ID: 1204308-02
Autosampler Position: 24
Sample Date/Time: Monday, April 30, 2012 09:21:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1204308-02.029
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	8055.315	0.011	2.895405	0.074	2.544	ug/L
|	Cr	53	2784.121	-0.000	-0.260209	0.337	129.489	ug/L
|	Mn	55	34986.545	0.071	7.556391	0.083	1.099	ug/L
|	Co	59	2060.587	0.004	0.570210	0.001	0.199	ug/L
|	Cu	63	10484.816	0.021	6.035897	0.099	1.636	ug/L
|	Cu	65	5120.827	0.010	5.733715	0.078	1.353	ug/L
|	Zn	66	9007.885	0.018	15.868897	0.377	2.376	ug/L
|	Zn	68	7149.549	0.014	15.607164	0.258	1.654	ug/L
| >	Ge	72	483496.111	483496.111				ug/L
|	As	75	4316.892	0.003	2.101998	0.726	34.518	ug/L
|	Se	77	131.468	0.000	0.085682	0.116	135.710	ug/L
⌊	Se	82	52.731	0.000	0.787354	0.792	100.564	ug/L
⌈ >	Rh	103	237192.840	237192.840				ug/L
⌊	Ag	107	896.053	0.003	0.209716	0.026	12.463	ug/L
⌈	Pb	208	114268.091	0.195	9.675409	0.139	1.440	ug/L
⌊ >	Bi	209	584435.452	584435.452				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	103.352
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈ >	Rh	102.905	101.879
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	101.223

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	8242.818	0.012	2.980343	ug/L

01960

	Cr	53	2690.425	-0.000	-0.585449	ug/L
	Mn	55	34961.447	0.071	7.527209	ug/L
	Co	59	2071.257	0.004	0.571493	ug/L
	Cu	63	10406.056	0.021	5.971462	ug/L
	Cu	65	5090.476	0.010	5.678792	ug/L
	Zn	66	8869.413	0.017	15.562447	ug/L
	Zn	68	7065.815	0.013	15.355958	ug/L
>	Ge	72	484868.337	484968.337		ug/L
	As	75	3995.821	0.002	1.634621	ug/L
	Se	77	133.201	0.000	0.114826	ug/L
	Se	82	2.966	-0.000	-0.026918	ug/L
>	Rh	103	236842.866	236842.866		ug/L
	Ag	107	819.045	0.002	0.184179	ug/L
	Pb	208	113792.830	0.193	9.588511	ug/L
>	Bi	209	587209.157	587209.157		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	7985.586	0.011	2.848834	ug/L
	Cr	53	2772.450	-0.000	-0.316518	ug/L
	Mn	55	34780.754	0.070	7.491855	ug/L
	Co	59	2064.255	0.004	0.569795	ug/L
	Cu	63	10705.407	0.022	6.149606	ug/L
	Cu	65	5207.543	0.010	5.822494	ug/L
	Zn	66	8968.511	0.018	15.754198	ug/L
	Zn	68	7161.892	0.014	15.593719	ug/L
>	Ge	72	484692.175	484692.175		ug/L
	As	75	4064.579	0.003	1.733520	ug/L
	Se	77	126.001	-0.000	-0.042397	ug/L
	Se	82	99.908	0.000	1.554567	ug/L
>	Rh	103	238099.060	238099.060		ug/L
	Ag	107	896.053	0.003	0.208558	ug/L
	Pb	208	113952.871	0.193	9.601585	ug/L
>	Bi	209	587237.929	587237.929		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	7937.543	0.011	2.857036	ug/L
	Cr	53	2889.488	0.000	0.101340	ug/L
	Mn	55	35217.434	0.072	7.650109	ug/L
	Co	59	2046.251	0.004	0.569341	ug/L
	Cu	63	10342.984	0.021	5.986622	ug/L
	Cu	65	5064.461	0.010	5.699858	ug/L
	Zn	66	9185.730	0.018	16.290048	ug/L
	Zn	68	7220.939	0.014	15.871816	ug/L
>	Ge	72	480827.820	480827.820		ug/L
	As	75	4890.276	0.004	2.937852	ug/L
	Se	77	135.201	0.000	0.184618	ug/L
	Se	82	55.318	0.000	0.834414	ug/L
>	Rh	103	236636.595	236636.595		ug/L
	Ag	107	973.062	0.003	0.236412	ug/L
	Pb	208	115058.573	0.198	9.836133	ug/L
>	Bi	209	578859.268	578859.268		ug/L

Sample Information

Sample ID: 1204308-03
Autosampler Position: 25
Sample Date/Time: Monday, April 30, 2012 09:25:01
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1204308-03.030
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	9651.552	0.015	3.772844	0.094	2.501	ug/L
	Cr	53	2992.522	0.000	0.439429	0.087	19.825	ug/L
	Mn	55	36831.495	0.075	8.033902	0.010	0.119	ug/L
	Co	59	815.711	0.001	0.208446	0.013	6.054	ug/L
	Cu	63	16328.816	0.034	9.538096	0.071	0.741	ug/L
	Cu	65	7969.906	0.016	9.239505	0.242	2.618	ug/L
	Zn	66	10585.599	0.021	18.951703	0.315	1.661	ug/L
	Zn	68	8270.176	0.016	18.447650	0.163	0.885	ug/L
>	Ge	72	479300.789	479300.789				ug/L
	As	75	3747.051	0.002	1.350310	0.236	17.472	ug/L
	Se	77	134.868	0.000	0.186963	0.125	66.775	ug/L
	Se	82	95.855	0.000	1.507070	0.591	39.187	ug/L
>	Rh	103	236811.934	236811.934				ug/L
	Ag	107	643.029	0.002	0.124754	0.025	20.243	ug/L
	Pb	208	36365.450	0.062	3.062737	0.032	1.048	ug/L
>	Bi	209	581920.990	581920.990				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.455
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	101.715
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	100.787

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	9850.432	0.015	3.852318	ug/L

01962

	Cr	53	2985.520	0.000	0.374377	ug/L
	Mn	55	36962.358	0.075	8.022838	ug/L
	Co	59	819.045	0.001	0.208273	ug/L
	Cu	63	16532.184	0.034	9.610705	ug/L
	Cu	65	7896.507	0.016	9.103153	ug/L
	Zn	66	10517.185	0.021	18.727689	ug/L
	Zn	68	8233.809	0.016	18.263204	ug/L
>	Ge	72	481652.826	481652.826		ug/L
	As	75	3621.212	0.002	1.148040	ug/L
	Se	77	129.801	0.000	0.059541	ug/L
	Se	82	58.859	0.000	0.890980	ug/L
>	Rh	103	234369.977	234369.977		ug/L
	Ag	107	565.023	0.001	0.100512	ug/L
	Pb	208	36355.834	0.061	3.048514	ug/L
>	Bi	209	584430.362	584430.362		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	9647.212	0.015	3.797631	ug/L
	Cr	53	2965.513	0.000	0.405504	ug/L
	Mn	55	36662.143	0.075	8.039541	ug/L
	Co	59	769.040	0.001	0.195915	ug/L
	Cu	63	16126.452	0.033	9.469491	ug/L
	Cu	65	8157.740	0.016	9.518815	ug/L
	Zn	66	10722.427	0.022	19.311529	ug/L
	Zn	68	8278.851	0.016	18.573849	ug/L
>	Ge	72	476767.072	476767.072		ug/L
	As	75	3687.173	0.002	1.293396	ug/L
	Se	77	134.401	0.000	0.192286	ug/L
	Se	82	98.718	0.000	1.561938	ug/L
>	Rh	103	239017.709	239017.709		ug/L
	Ag	107	643.029	0.002	0.122838	ug/L
	Pb	208	36084.299	0.061	3.040203	ug/L
>	Bi	209	581789.777	581789.777		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	9457.011	0.015	3.668584	ug/L
	Cr	53	3026.534	0.000	0.538408	ug/L
	Mn	55	36869.983	0.075	8.039326	ug/L
	Co	59	859.049	0.002	0.221150	ug/L
	Cu	63	16327.813	0.034	9.534092	ug/L
	Cu	65	7855.471	0.016	9.096549	ug/L
	Zn	66	10517.185	0.021	18.815890	ug/L
	Zn	68	8297.868	0.016	18.506097	ug/L
>	Ge	72	479482.469	479482.469		ug/L
	As	75	3932.767	0.002	1.609493	ug/L
	Se	77	140.401	0.000	0.309063	ug/L
	Se	82	129.986	0.000	2.068293	ug/L
>	Rh	103	237048.115	237048.115		ug/L
	Ag	107	721.036	0.002	0.150911	ug/L
	Pb	208	36646.216	0.062	3.099484	ug/L
>	Bi	209	579542.830	579542.830		ug/L

01963

Sample Information

Sample ID: 1204308-04
Autosampler Position: 26
Sample Date/Time: Monday, April 30, 2012 09:28:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1204308-04.031
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	10475.139	0.017	4.168316	0.165	3.955	ug/L
|	Cr	53	3073.550	0.000	0.619158	0.272	43.860	ug/L
|	Mn	55	39886.712	0.081	8.651135	0.092	1.069	ug/L
|	Co	59	835.380	0.002	0.212566	0.010	4.644	ug/L
|	Cu	63	6931.044	0.014	3.963831	0.029	0.738	ug/L
|	Cu	65	3577.740	0.007	3.888016	0.055	1.411	ug/L
|	Zn	66	13872.716	0.028	24.890185	0.300	1.204	ug/L
|	Zn	68	10954.039	0.021	24.708287	0.225	0.911	ug/L
|>	Ge	72	482691.277	482691.277				ug/L
|	As	75	4026.627	0.003	1.701908	0.776	45.611	ug/L
|	Se	77	123.001	-0.000	-0.097374	0.075	76.557	ug/L
⌊	Se	82	21.671	0.000	0.280860	1.429	508.625	ug/L
⌈>	Rh	103	236465.756	236465.756				ug/L
⌊	Ag	107	580.691	0.001	0.104241	0.023	22.182	ug/L
⌈	Pb	208	47720.691	0.081	4.039848	0.043	1.065	ug/L
⌊>	Bi	209	580918.498	580918.498				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	103.180
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.567
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	100.614

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	10786.503	0.017	4.357765	ug/L

01964

	Cr	53	3136.572	0.001	0.852037	ug/L
	Mn	55	39993.176	0.082	8.716817	ug/L
	Co	59	867.050	0.002	0.223028	ug/L
	Cu	63	6877.669	0.014	3.951909	ug/L
	Cu	65	3551.729	0.007	3.877222	ug/L
	Zn	66	13989.896	0.028	25.230122	ug/L
	Zn	68	10794.513	0.021	24.451973	ug/L
>	Ge	72	480385.318	480385.318		ug/L
	As	75	3518.452	0.002	1.017072	ug/L
	Se	77	121.001	-0.000	-0.128601	ug/L
	Se	82	23.302	0.000	0.308267	ug/L
>	Rh	103	238714.904	238714.904		ug/L
	Ag	107	509.019	0.001	0.078266	ug/L
	Pb	208	47614.070	0.080	3.990338	ug/L
>	Bi	209	586698.726	586698.726		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	10362.006	0.016	4.069743	ug/L
	Cr	53	2984.520	0.000	0.320862	ug/L
	Mn	55	39547.227	0.080	8.545389	ug/L
	Co	59	807.044	0.001	0.203415	ug/L
	Cu	63	6818.701	0.014	3.942409	ug/L
	Cu	65	3549.728	0.007	3.839356	ug/L
	Zn	66	13799.604	0.028	24.664823	ug/L
	Zn	68	11030.799	0.022	24.799817	ug/L
>	Ge	72	484387.563	484387.563		ug/L
	As	75	4644.613	0.004	2.545164	ug/L
	Se	77	121.001	-0.000	-0.151062	ug/L
	Se	82	-66.522	-0.000	-1.161173	ug/L
>	Rh	103	236588.364	236588.364		ug/L
	Ag	107	604.026	0.001	0.111876	ug/L
	Pb	208	47830.475	0.082	4.060997	ug/L
>	Bi	209	579219.144	579219.144		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	10276.908	0.016	4.057440	ug/L
	Cr	53	3099.559	0.000	0.684574	ug/L
	Mn	55	40119.733	0.082	8.691198	ug/L
	Co	59	832.046	0.001	0.211255	ug/L
	Cu	63	6996.761	0.014	3.997176	ug/L
	Cu	65	3631.762	0.007	3.947469	ug/L
	Zn	66	13828.648	0.028	24.775610	ug/L
	Zn	68	11036.606	0.022	24.873072	ug/L
>	Ge	72	483300.949	483300.949		ug/L
	As	75	3916.816	0.002	1.543490	ug/L
	Se	77	127.001	-0.000	-0.012260	ug/L
	Se	82	108.234	0.000	1.695487	ug/L
>	Rh	103	234093.999	234093.999		ug/L
	Ag	107	629.028	0.002	0.122581	ug/L
	Pb	208	47717.529	0.082	4.068210	ug/L
>	Bi	209	576837.623	576837.623		ug/L

Sample Information

Sample ID: 2D30001-CCV
Autosampler Position: 2
Sample Date/Time: Monday, April 30, 2012 09:32:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CCV.032
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	91844.050	0.187	47.130453	1.055	2.238	ug/L
|	Cr	53	15930.773	0.027	39.494148	0.281	0.713	ug/L
|	Mn	55	180288.055	0.375	39.995593	0.294	0.736	ug/L
|	Co	59	131815.131	0.275	38.891046	0.291	0.748	ug/L
|	Cu	63	66381.472	0.138	39.137754	0.175	0.448	ug/L
|	Cu	65	32382.566	0.067	38.873638	0.499	1.284	ug/L
|	Zn	66	20974.378	0.043	38.355298	0.197	0.515	ug/L
|	Zn	68	16215.612	0.033	37.594017	0.313	0.832	ug/L
| >	Ge	72	478541.237	478541.237				ug/L
|	As	75	29898.007	0.057	38.240162	1.368	3.578	ug/L
|	Se	77	1767.639	0.003	36.688798	0.369	1.005	ug/L
⌊	Se	82	2185.533	0.005	36.034753	0.699	1.941	ug/L
⌈ >	Rh	103	242687.478	242687.478				ug/L
⌊	Ag	107	111866.888	0.460	36.730117	0.268	0.729	ug/L
⌈	Pb	208	446361.787	0.757	37.644125	0.056	0.150	ug/L
⌊ >	Bi	209	588684.270	588684.270				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	102.293
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈ >	Rh	102.905	104.239
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	101.959

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
2D30001-CCV	Cr	52	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit

01966

	Cr	52	94196.435	0.191	46.265440	ug/L
	Cr	53	16069.350	0.028	39.807056	ug/L
	Mn	55	182207.667	0.378	40.335261	ug/L
	Co	59	133240.638	0.278	39.226809	ug/L
	Cu	63	66229.030	0.138	38.962155	ug/L
	Cu	65	32001.546	0.066	38.325981	ug/L
	Zn	66	21050.554	0.043	38.411587	ug/L
	Zn	68	16345.845	0.033	37.821478	ug/L
	Ge	72	479583.600	479583.600		ug/L
	As	75	29431.872	0.056	37.488679	ug/L
	Se	77	1757.970	0.003	36.386275	ug/L
	Se	82	2212.008	0.005	36.394767	ug/L
	Rh	103	241213.601	241213.601		ug/L
	Ag	107	111656.621	0.462	36.885409	ug/L
	Pb	208	447570.821	0.756	37.599367	ug/L
	Bi	209	590979.106	590979.106		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	91745.537	0.186	46.945759	ug/L
Cr	53	15898.048	0.027	39.261753	ug/L
Mn	55	179993.180	0.374	39.818472	ug/L
Co	59	131581.721	0.274	38.714099	ug/L
Cu	63	66568.499	0.138	39.138144	ug/L
Cu	65	32571.571	0.067	38.991733	ug/L
Zn	66	20915.241	0.043	38.135807	ug/L
Zn	68	16112.427	0.032	37.237285	ug/L
Ge	72	479879.627	479879.627		ug/L
As	75	29395.840	0.055	37.412462	ug/L
Se	77	1767.772	0.003	36.580572	ug/L
Se	82	2218.598	0.005	36.480862	ug/L
Rh	103	242787.697	242787.697		ug/L
Ag	107	110973.323	0.456	36.420847	ug/L
Pb	208	445459.439	0.757	37.625474	ug/L
Bi	209	587783.558	587783.558		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	89590.179	0.183	46.180159	ug/L
Cr	53	15824.920	0.027	39.413638	ug/L
Mn	55	178663.317	0.374	39.833046	ug/L
Co	59	130623.034	0.274	38.732229	ug/L
Cu	63	66346.886	0.139	39.312962	ug/L
Cu	65	32574.581	0.068	39.303201	ug/L
Zn	66	20957.338	0.043	38.518489	ug/L
Zn	68	16188.563	0.033	37.723288	ug/L
Ge	72	476160.482	476160.482		ug/L
As	75	30866.309	0.059	39.819344	ug/L
Se	77	1777.174	0.003	37.099546	ug/L
Se	82	2125.994	0.004	35.228631	ug/L
Rh	103	244061.135	244061.135		ug/L
Ag	107	112970.719	0.462	36.884096	ug/L
Pb	208	446055.101	0.759	37.707534	ug/L
Bi	209	587290.146	587290.146		ug/L

01967

Sample Information

Sample ID: 2D30001-CCB
Autosampler Position: 1
Sample Date/Time: Monday, April 30, 2012 09:36:00
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CCB.033
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	3677.114	0.003	0.650427	0.053	8.081	ug/L
	Cr	53	1929.891	-0.002	-2.690674	0.085	3.155	ug/L
	Mn	55	519.687	-0.000	-0.038855	0.004	10.423	ug/L
	Co	59	115.335	0.000	0.002410	0.005	190.685	ug/L
	Cu	63	189.004	0.000	0.015392	0.013	83.780	ug/L
	Cu	65	324.676	-0.000	-0.017322	0.025	146.936	ug/L
	Zn	66	333.676	-0.000	-0.129104	0.037	28.538	ug/L
	Zn	68	507.019	-0.000	-0.184748	0.055	29.977	ug/L
>	Ge	72	473513.250	473513.250				ug/L
	As	75	2392.363	-0.001	-0.515873	0.116	22.455	ug/L
	Se	77	102.534	-0.000	-0.506581	0.194	38.267	ug/L
	Se	82	24.937	0.000	0.338888	0.759	224.112	ug/L
>	Rh	103	240459.355	240459.355				ug/L
	Ag	107	339.010	0.000	0.020552	0.007	33.628	ug/L
	Pb	208	532.678	0.000	0.001966	0.004	215.790	ug/L
>	Bi	209	582858.003	582858.003				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	101.218
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.282
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	100.950

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
2D30001-CCB	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit

01968

	Cr	52	3780.824	0.003	0.709197	ug/L
	Cr	53	1921.222	-0.002	-2.707163	ug/L
	Mn	55	513.020	-0.000	-0.040166	ug/L
	Co	59	131.002	0.000	0.007143	ug/L
	Cu	63	201.004	0.000	0.022729	ug/L
	Cu	65	332.009	-0.000	-0.007562	ug/L
	Zn	66	355.010	-0.000	-0.087746	ug/L
	Zn	68	489.018	-0.000	-0.226536	ug/L
	Ge	72	472692.301	472692.301		ug/L
	As	75	2327.475	-0.001	-0.602769	ug/L
	Se	77	95.601	-0.000	-0.659734	ug/L
	Se	82	-5.010	-0.000	-0.159090	ug/L
	Rh	103	240462.073	240462.073		ug/L
	Ag	107	363.011	0.000	0.028524	ug/L
	Pb	208	593.013	0.000	0.006864	ug/L
	Bi	209	585878.258	585878.258		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	3584.742	0.002	0.607907	ug/L
	Cr	53	1953.229	-0.002	-2.598753	ug/L
	Mn	55	538.021	-0.000	-0.034312	ug/L
	Co	59	114.002	0.000	0.002122	ug/L
	Cu	63	201.004	0.000	0.022944	ug/L
	Cu	65	300.008	-0.000	-0.046211	ug/L
	Zn	66	317.009	-0.000	-0.158421	ug/L
	Zn	68	531.021	-0.000	-0.121931	ug/L
	Ge	72	471851.245	471851.245		ug/L
	As	75	2476.049	-0.001	-0.384359	ug/L
	Se	77	111.801	-0.000	-0.288631	ug/L
	Se	82	2.267	-0.000	-0.037292	ug/L
	Rh	103	239731.137	239731.137		ug/L
	Ag	107	327.009	0.000	0.018895	ug/L
	Pb	208	500.010	-0.000	-0.000608	ug/L
	Bi	209	580151.902	580151.902		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	3665.776	0.003	0.634178	ug/L
	Cr	53	1915.221	-0.002	-2.766105	ug/L
	Mn	55	508.019	-0.000	-0.042088	ug/L
	Co	59	101.002	-0.000	-0.002035	ug/L
	Cu	63	165.003	0.000	0.000502	ug/L
	Cu	65	342.010	0.000	0.001806	ug/L
	Zn	66	329.009	-0.000	-0.141144	ug/L
	Zn	68	501.019	-0.000	-0.205778	ug/L
	Ge	72	475996.204	475996.204		ug/L
	As	75	2373.565	-0.001	-0.560490	ug/L
	Se	77	100.201	-0.000	-0.571378	ug/L
	Se	82	77.556	0.000	1.213046	ug/L
	Rh	103	241184.853	241184.853		ug/L
	Ag	107	327.009	0.000	0.016238	ug/L
	Pb	208	505.010	-0.000	-0.000357	ug/L
	Bi	209	582543.850	582543.850		ug/L

Sample Information

Sample ID: 1205156-BS1
Autosampler Position: 18
Sample Date/Time: Monday, April 30, 2012 09:51:40
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1205156-BS1.034
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	115337.331	0.231	58.260399	0.813	1.395	ug/L
	Cr	53	19715.888	0.034	49.681114	0.351	0.707	ug/L
	Mn	55	230248.375	0.470	50.059024	0.272	0.544	ug/L
	Co	59	166795.274	0.341	48.198684	0.133	0.275	ug/L
	Cu	63	84922.660	0.173	49.055327	0.159	0.324	ug/L
	Cu	65	40332.014	0.082	47.504585	0.783	1.648	ug/L
	Zn	66	40288.487	0.082	72.813577	0.798	1.097	ug/L
	Zn	68	30799.393	0.062	71.142581	0.113	0.158	ug/L
>	Ge	72	488676.105	488676.105				ug/L
	As	75	36017.903	0.068	45.811377	1.037	2.263	ug/L
	Se	77	2209.735	0.004	45.547256	0.603	1.323	ug/L
	Se	82	2852.667	0.006	46.082924	0.665	1.442	ug/L
>	Rh	103	243803.788	243803.788				ug/L
	Ag	107	140442.588	0.575	45.925079	0.238	0.519	ug/L
	Pb	208	555157.790	0.943	46.853412	0.292	0.624	ug/L
>	Bi	209	588406.539	588406.539				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	104.459
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	104.718
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	101.911

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	117536.098	0.234	59.188192	ug/L

01970

	Cr	53	19749.627	0.034	49.579876	ug/L
	Mn	55	229920.450	0.467	49.814249	ug/L
	Co	59	167586.236	0.342	48.260356	ug/L
	Cu	63	85399.090	0.174	49.160066	ug/L
	Cu	65	40483.343	0.082	47.515988	ug/L
	Zn	66	40828.887	0.082	73.542627	ug/L
	Zn	68	30852.573	0.062	71.016355	ug/L
>	Ge	72	490370.947	490370.947		ug/L
	As	75	35754.026	0.067	45.277980	ug/L
	Se	77	2208.688	0.004	45.354870	ug/L
	Se	82	2818.725	0.006	45.375566	ug/L
>	Rh	103	243466.500	243466.500		ug/L
	Ag	107	140858.808	0.578	46.157492	ug/L
	Pb	208	555091.562	0.936	46.623594	ug/L
>	Bi	209	591216.844	591216.844		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	114949.310	0.229	57.918255	ug/L
	Cr	53	19895.947	0.035	50.071662	ug/L
	Mn	55	232155.202	0.472	50.352409	ug/L
	Co	59	167511.884	0.342	48.289126	ug/L
	Cu	63	84812.632	0.173	48.872671	ug/L
	Cu	65	39786.181	0.080	46.715844	ug/L
	Zn	66	39917.845	0.081	71.960249	ug/L
	Zn	68	30889.689	0.062	71.178931	ug/L
>	Ge	72	489861.551	489861.551		ug/L
	As	75	36971.376	0.070	47.006164	ug/L
	Se	77	2193.064	0.004	45.064248	ug/L
	Se	82	2897.501	0.006	46.694389	ug/L
>	Rh	103	245551.487	245551.487		ug/L
	Ag	107	140701.871	0.572	45.681198	ug/L
	Pb	208	555732.363	0.941	46.754255	ug/L
>	Bi	209	590246.742	590246.742		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	113526.585	0.229	57.674749	ug/L
	Cr	53	19502.091	0.034	49.391803	ug/L
	Mn	55	228669.472	0.469	50.010414	ug/L
	Co	59	165287.703	0.340	48.046571	ug/L
	Cu	63	84556.258	0.174	49.133246	ug/L
	Cu	65	40746.518	0.083	48.281923	ug/L
	Zn	66	40118.729	0.082	72.937855	ug/L
	Zn	68	30655.907	0.062	71.232455	ug/L
>	Ge	72	485795.817	485795.817		ug/L
	As	75	35328.306	0.067	45.149988	ug/L
	Se	77	2227.473	0.004	46.222650	ug/L
	Se	82	2841.776	0.006	46.178816	ug/L
>	Rh	103	242393.378	242393.378		ug/L
	Ag	107	139667.087	0.575	45.936548	ug/L
	Pb	208	554849.446	0.949	47.182388	ug/L
>	Bi	209	583756.031	583756.031		ug/L

Sample Information

Sample ID: 1205042-BLK1
Autosampler Position: 27
Sample Date/Time: Monday, April 30, 2012 09:55:22
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1205042-BLK1.035
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
	Cr	52	3588.077	0.002	0.579484	0.054	9.293	ug/L
	Cr	53	1890.882	-0.002	-2.880305	0.292	10.127	ug/L
	Mn	55	2108.933	0.003	0.313018	0.017	5.557	ug/L
	Co	59	163.670	0.000	0.016237	0.006	38.989	ug/L
	Cu	63	228.338	0.000	0.037166	0.003	8.045	ug/L
	Cu	65	329.343	-0.000	-0.016467	0.022	135.054	ug/L
	Zn	66	831.046	0.001	0.789061	0.068	8.590	ug/L
	Zn	68	849.048	0.001	0.621466	0.079	12.719	ug/L
>	Ge	72	479430.619	479430.619				ug/L
	As	75	2700.200	-0.000	-0.124268	0.259	208.701	ug/L
	Se	77	98.001	-0.000	-0.636450	0.142	22.239	ug/L
	Se	82	0.586	-0.000	-0.063866	0.687	1076.203	ug/L
>	Rh	103	242096.910	242096.910				ug/L
	Ag	107	364.344	0.000	0.028153	0.002	5.892	ug/L
	Pb	208	668.683	0.000	0.013873	0.004	30.786	ug/L
>	Bi	209	579937.686	579937.686				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
	Cr	51.941	
	Cr	52.941	
	Mn	54.938	
	Co	58.933	
	Cu	62.930	
	Cu	64.928	
	Zn	65.926	
	Zn	67.925	
>	Ge	71.922	102.483
	As	74.922	
	Se	76.920	
	Se	81.917	
>	Rh	102.905	103.985
	Ag	106.905	
	Pb	207.977	
>	Bi	208.980	100.444

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	3683.783	0.003	0.638236	ug/L

01972

	Cr	53	1986.237	-0.002	-2.567608	ug/L
	Mn	55	2187.285	0.003	0.332523	ug/L
	Co	59	187.004	0.000	0.023340	ug/L
	Cu	63	229.005	0.000	0.038150	ug/L
	Cu	65	349.010	0.000	0.009148	ug/L
	Zn	66	869.050	0.001	0.866724	ug/L
	Zn	68	883.052	0.001	0.712221	ug/L
	Ge	72	477337.893	477337.893		ug/L
	As	75	2884.754	0.000	0.152741	ug/L
	Se	77	99.401	-0.000	-0.595634	ug/L
	Se	82	48.295	0.000	0.724716	ug/L
	Rh	103	245337.831	245337.831		ug/L
	Ag	107	367.011	0.000	0.027429	ug/L
	Pb	208	713.018	0.000	0.018067	ug/L
	Bi	209	576135.100	576135.100		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	3571.737	0.002	0.567738	ug/L
Cr	53	1878.213	-0.002	-2.928238	ug/L
Mn	55	2087.260	0.003	0.307414	ug/L
Co	59	157.003	0.000	0.014182	ug/L
Cu	63	223.005	0.000	0.033808	ug/L
Cu	65	318.009	-0.000	-0.030864	ug/L
Zn	66	807.044	0.001	0.741815	ug/L
Zn	68	828.046	0.000	0.567857	ug/L
Ge	72	480198.842	480198.842		ug/L
As	75	2536.250	-0.001	-0.361316	ug/L
Se	77	103.401	-0.000	-0.519803	ug/L
Se	82	-18.540	-0.000	-0.380562	ug/L
Rh	103	240725.922	240725.922		ug/L
Ag	107	368.011	0.000	0.030051	ug/L
Pb	208	675.016	0.000	0.014022	ug/L
Bi	209	583824.208	583824.208		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	3508.712	0.002	0.532476	ug/L
Cr	53	1808.198	-0.002	-3.145067	ug/L
Mn	55	2052.252	0.003	0.299117	ug/L
Co	59	147.003	0.000	0.011189	ug/L
Cu	63	233.005	0.000	0.039539	ug/L
Cu	65	321.009	-0.000	-0.027686	ug/L
Zn	66	817.045	0.001	0.756644	ug/L
Zn	68	836.047	0.001	0.584519	ug/L
Ge	72	480755.122	480755.122		ug/L
As	75	2679.595	-0.000	-0.164227	ug/L
Se	77	91.200	-0.000	-0.793914	ug/L
Se	82	-27.997	-0.000	-0.535751	ug/L
Rh	103	240226.976	240226.976		ug/L
Ag	107	358.011	0.000	0.026979	ug/L
Pb	208	618.014	0.000	0.009529	ug/L
Bi	209	579853.750	579853.750		ug/L

01973

Sample Information

Sample ID: 1205042-BS1
Autosampler Position: 28
Sample Date/Time: Monday, April 30, 2012 09:59:02
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1205042-BS1.036
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	106453.321	0.212	53.527058	1.585	2.960	ug/L
|	Cr	53	18214.412	0.031	45.100607	0.812	1.800	ug/L
|	Mn	55	215436.421	0.438	46.702072	0.582	1.247	ug/L
|	Co	59	157344.910	0.321	45.343630	0.464	1.023	ug/L
|	Cu	63	78920.901	0.161	45.457601	0.554	1.220	ug/L
|	Cu	65	38370.191	0.078	45.047945	0.438	0.972	ug/L
|	Zn	66	26493.146	0.053	47.489706	0.160	0.337	ug/L
|	Zn	68	20605.198	0.041	46.994817	0.441	0.939	ug/L
| >	Ge	72	490010.009	490010.009				ug/L
|	As	75	34662.331	0.065	43.811627	0.391	0.892	ug/L
|	Se	77	2113.912	0.004	43.323154	0.527	1.216	ug/L
⌊	Se	82	2724.814	0.006	43.893401	0.603	1.375	ug/L
⌈ >	Rh	103	243273.886	243273.886				ug/L
⌊	Ag	107	133091.826	0.546	43.611871	0.267	0.612	ug/L
⌈	Pb	208	528385.907	0.893	44.366329	0.516	1.163	ug/L
⌊ >	Bi	209	591397.897	591397.897				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	104.745
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈ >	Rh	102.905	104.491
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	102.429

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	109145.374	0.218	54.972959	ug/L

01974

	Cr	53	18275.534	0.031	45.338426	ug/L
	Mn	55	217220.873	0.442	47.141198	ug/L
	Co	59	157244.825	0.321	45.363903	ug/L
	Cu	63	78013.079	0.159	44.982857	ug/L
	Cu	65	37999.632	0.077	44.658310	ug/L
	Zn	66	26533.931	0.053	47.617663	ug/L
	Zn	68	20664.666	0.041	47.187247	ug/L
>	Ge	72	489468.186	489468.186		ug/L
	As	75	34604.432	0.065	43.783777	ug/L
	Se	77	2119.047	0.004	43.485202	ug/L
	Se	82	2678.857	0.005	43.199929	ug/L
>	Rh	103	243183.060	243183.060		ug/L
	Ag	107	132503.981	0.544	43.434077	ug/L
	Pb	208	525115.143	0.892	44.317158	ug/L
>	Bi	209	588368.652	588368.652		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	106636.841	0.213	53.775284	ug/L
	Cr	53	18388.763	0.032	45.767063	ug/L
	Mn	55	215643.433	0.440	46.923276	ug/L
	Co	59	158468.817	0.324	45.797043	ug/L
	Cu	63	79750.070	0.163	46.066952	ug/L
	Cu	65	38660.416	0.078	45.522073	ug/L
	Zn	66	26319.307	0.053	47.310044	ug/L
	Zn	68	20679.701	0.041	47.307429	ug/L
>	Ge	72	488616.127	488616.127		ug/L
	As	75	34856.889	0.066	44.215645	ug/L
	Se	77	2127.449	0.004	43.749886	ug/L
	Se	82	2742.056	0.006	44.298112	ug/L
>	Rh	103	245075.904	245075.904		ug/L
	Ag	107	133685.096	0.544	43.482890	ug/L
	Pb	208	526400.069	0.883	43.876781	ug/L
>	Bi	209	595722.205	595722.205		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	103577.747	0.205	51.832930	ug/L
	Cr	53	17978.840	0.031	44.196331	ug/L
	Mn	55	213245.157	0.432	46.041742	ug/L
	Co	59	156321.089	0.318	44.869945	ug/L
	Cu	63	78999.553	0.160	45.322994	ug/L
	Cu	65	38450.526	0.077	44.963451	ug/L
	Zn	66	26628.201	0.053	47.541411	ug/L
	Zn	68	20471.227	0.040	46.489774	ug/L
>	Ge	72	491945.715	491945.715		ug/L
	As	75	34525.670	0.064	43.435460	ug/L
	Se	77	2095.241	0.004	42.734374	ug/L
	Se	82	2753.528	0.006	44.182161	ug/L
>	Rh	103	241562.693	241562.693		ug/L
	Ag	107	133086.402	0.550	43.918646	ug/L
	Pb	208	533642.509	0.903	44.905048	ug/L
>	Bi	209	590102.834	590102.834		ug/L

Sample Information

Sample ID: 1204329-01
Autosampler Position: 29
Sample Date/Time: Monday, April 30, 2012 10:02:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1204329-01.037
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	8441.002	0.012	3.144639	0.092	2.911	ug/L
|	Cr	53	2565.054	-0.001	-0.832640	0.110	13.266	ug/L
|	Mn	55	2134.605	0.003	0.319714	0.009	2.744	ug/L
|	Co	59	1224.762	0.002	0.329720	0.012	3.736	ug/L
|	Cu	63	3223.270	0.006	1.808258	0.038	2.096	ug/L
|	Cu	65	1819.200	0.003	1.792529	0.039	2.198	ug/L
|	Zn	66	6331.601	0.012	11.054912	0.239	2.158	ug/L
|	Zn	68	6541.752	0.012	14.327982	0.317	2.209	ug/L
|>	Ge	72	478354.377	478354.377				ug/L
|	As	75	3459.241	0.001	0.953291	0.281	29.463	ug/L
|	Se	77	106.934	-0.000	-0.431855	0.027	6.165	ug/L
⌊	Se	82	56.237	0.000	0.850897	0.877	103.090	ug/L
⌈>	Rh	103	231741.538	231741.538				ug/L
⌊	Ag	107	541.022	0.001	0.094396	0.013	13.398	ug/L
⌈	Pb	208	2406.484	0.003	0.164016	0.004	2.542	ug/L
⌊>	Bi	209	576571.519	576571.519				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	102.253
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.537
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	99.861

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	8504.061	0.013	3.172253	ug/L

01976

	Cr	53	2578.391	-0.001	-0.801984	ug/L
	Mn	55	2169.280	0.003	0.326908	ug/L
	Co	59	1227.095	0.002	0.330045	ug/L
	Cu	63	3299.632	0.007	1.851187	ug/L
	Cu	65	1854.208	0.003	1.832499	ug/L
	Zn	66	6340.274	0.012	11.056105	ug/L
	Zn	68	6464.362	0.012	14.122145	ug/L
	Ge	72	478914.677	478914.677		ug/L
	As	75	3588.618	0.002	1.131119	ug/L
	Se	77	108.201	-0.000	-0.406418	ug/L
	Se	82	28.421	0.000	0.360935	ug/L
	Rh	103	231265.954	231265.954		ug/L
	Ag	107	503.019	0.001	0.081680	ug/L
	Pb	208	2465.155	0.003	0.167758	ug/L
	Bi	209	580143.383	580143.383		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	8302.873	0.012	3.042459	ug/L
Cr	53	2541.381	-0.001	-0.955186	ug/L
Mn	55	2160.278	0.003	0.322294	ug/L
Co	59	1274.102	0.002	0.341873	ug/L
Cu	63	3220.603	0.006	1.794185	ug/L
Cu	65	1830.203	0.003	1.791350	ug/L
Zn	66	6245.207	0.012	10.815771	ug/L
Zn	68	6519.402	0.012	14.169351	ug/L
Ge	72	481529.545	481529.545		ug/L
As	75	3585.474	0.002	1.099254	ug/L
Se	77	106.401	-0.000	-0.459526	ug/L
Se	82	118.076	0.000	1.863615	ug/L
Rh	103	231174.675	231174.675		ug/L
Ag	107	540.021	0.001	0.094535	ug/L
Pb	208	2373.150	0.003	0.159521	ug/L
Bi	209	581157.170	581157.170		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	8516.072	0.013	3.219206	ug/L
Cr	53	2575.390	-0.001	-0.740751	ug/L
Mn	55	2074.257	0.003	0.309940	ug/L
Co	59	1173.087	0.002	0.317242	ug/L
Cu	63	3149.577	0.006	1.779402	ug/L
Cu	65	1773.191	0.003	1.753739	ug/L
Zn	66	6409.323	0.013	11.292860	ug/L
Zn	68	6641.492	0.013	14.692450	ug/L
Ge	72	474618.909	474618.909		ug/L
As	75	3203.633	0.001	0.629499	ug/L
Se	77	106.201	-0.000	-0.429620	ug/L
Se	82	24.215	0.000	0.328141	ug/L
Rh	103	232783.984	232783.984		ug/L
Ag	107	580.024	0.001	0.106972	ug/L
Pb	208	2381.147	0.003	0.164770	ug/L
Bi	209	568414.004	568414.004		ug/L

01977

Sample Information

Sample ID: 1205042-MS1
Autosampler Position: 30
Sample Date/Time: Monday, April 30, 2012 10:06:24
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1205042-MS1.038
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	124842.676	0.257	64.772002	0.654	1.010	ug/L
|	Cr	53	19733.260	0.035	51.183222	0.988	1.929	ug/L
|	Mn	55	224465.095	0.469	50.015905	0.837	1.674	ug/L
|	Co	59	161876.469	0.339	47.939391	0.406	0.847	ug/L
|	Cu	63	82014.103	0.172	48.551036	0.387	0.796	ug/L
|	Cu	65	39741.076	0.083	47.974515	0.706	1.473	ug/L
|	Zn	66	31470.358	0.065	58.137564	0.340	0.586	ug/L
|	Zn	68	25707.888	0.053	60.652457	0.604	0.995	ug/L
| >	Ge	72	476846.053	476846.053				ug/L
|	As	75	36656.955	0.071	47.952936	0.661	1.379	ug/L
|	Se	77	2167.792	0.004	45.805060	0.606	1.322	ug/L
⌊	Se	82	2879.011	0.006	47.670269	1.614	3.386	ug/L
⌈ >	Rh	103	232138.142	232138.142				ug/L
⌊	Ag	107	133385.762	0.573	45.809215	0.355	0.774	ug/L
⌈	Pb	208	542912.863	0.940	46.742011	0.526	1.125	ug/L
⌊ >	Bi	209	576821.099	576821.099				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	101.931
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈ >	Rh	102.905	99.708
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	99.904

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	126037.943	0.257	64.938177	ug/L

01978

	Cr	53	19673.461	0.035	50.582508	ug/L
	Mn	55	222186.594	0.461	49.156100	ug/L
	Co	59	161525.950	0.336	47.499779	ug/L
	Cu	63	81876.872	0.170	48.128657	ug/L
	Cu	65	39550.240	0.082	47.402938	ug/L
	Zn	66	31562.009	0.065	57.895153	ug/L
	Zn	68	25614.290	0.052	59.991806	ug/L
IS	Ge	72	480200.949	480200.949		ug/L
	As	75	36477.906	0.070	47.337180	ug/L
	Se	77	2165.058	0.004	45.403785	ug/L
	Se	82	2788.876	0.006	45.846664	ug/L
IS	Rh	103	232881.434	232881.434		ug/L
	Ag	107	133794.692	0.573	45.802218	ug/L
	Pb	208	541091.914	0.946	47.041221	ug/L
IS	Bi	209	571194.441	571194.441		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	123334.211	0.254	64.050800	ug/L
	Cr	53	19533.158	0.035	50.644223	ug/L
	Mn	55	224424.593	0.470	50.062902	ug/L
	Co	59	162907.286	0.342	48.300963	ug/L
	Cu	63	82064.555	0.172	48.637187	ug/L
	Cu	65	39517.096	0.082	47.756249	ug/L
	Zn	66	31355.293	0.065	57.990764	ug/L
	Zn	68	25735.633	0.053	60.790734	ug/L
IS	Ge	72	476279.480	476279.480		ug/L
	As	75	37107.500	0.072	48.651457	ug/L
	Se	77	2196.265	0.004	46.501736	ug/L
	Se	82	2950.892	0.006	48.914498	ug/L
IS	Rh	103	232509.079	232509.079		ug/L
	Ag	107	132579.064	0.569	45.458063	ug/L
	Pb	208	541526.061	0.928	46.134765	ug/L
IS	Bi	209	582874.042	582874.042		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	125155.873	0.259	65.327029	ug/L
	Cr	53	19993.161	0.036	52.322935	ug/L
	Mn	55	226784.098	0.477	50.828713	ug/L
	Co	59	161196.170	0.340	48.017433	ug/L
	Cu	63	82100.881	0.173	48.887264	ug/L
	Cu	65	40155.892	0.084	48.764360	ug/L
	Zn	66	31493.772	0.066	58.526776	ug/L
	Zn	68	25773.741	0.053	61.174830	ug/L
IS	Ge	72	474057.730	474057.730		ug/L
	As	75	36385.560	0.071	47.870170	ug/L
	Se	77	2142.052	0.004	45.509658	ug/L
	Se	82	2897.266	0.006	48.249645	ug/L
IS	Rh	103	231023.913	231023.913		ug/L
	Ag	107	133783.530	0.578	46.167365	ug/L
	Pb	208	546120.584	0.947	47.050048	ug/L
IS	Bi	209	576394.815	576394.815		ug/L

Sample Information

Sample ID: 1205042-MSD1
Autosampler Position: 31
Sample Date/Time: Monday, April 30, 2012 10:10:07
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1205042-MSD1.039
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	126132.251	0.261	65.772949	0.781	1.187	ug/L
|	Cr	53	19761.987	0.036	51.549792	0.131	0.255	ug/L
|	Mn	55	225679.196	0.474	50.525265	0.745	1.474	ug/L
|	Co	59	161727.933	0.341	48.124360	0.857	1.780	ug/L
|	Cu	63	82890.680	0.174	49.304200	0.598	1.213	ug/L
|	Cu	65	40233.247	0.084	48.801209	0.514	1.053	ug/L
|	Zn	66	32712.082	0.068	60.747857	0.541	0.891	ug/L
|	Zn	68	26612.830	0.055	63.138243	0.107	0.170	ug/L
| >	Ge	72	474606.708	474606.708				ug/L
|	As	75	36363.337	0.071	47.777451	0.398	0.832	ug/L
|	Se	77	2138.852	0.004	45.382310	0.149	0.329	ug/L
⌊	Se	82	2817.755	0.006	46.864017	2.236	4.771	ug/L
⌈ >	Rh	103	233057.853	233057.853				ug/L
⌊	Ag	107	133408.748	0.571	45.641031	0.683	1.497	ug/L
⌈	Pb	208	542744.007	0.930	46.205211	0.237	0.513	ug/L
⌊ >	Bi	209	583307.403	583307.403				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	101.452
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈ >	Rh	102.905	100.103
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	101.027

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	126719.324	0.263	66.366406	ug/L

01980

	Cr	53	19709.539	0.036	51.643174	ug/L
	Mn	55	226847.655	0.479	50.999432	ug/L
	Co	59	162479.731	0.344	48.548594	ug/L
	Cu	63	83030.274	0.175	49.583732	ug/L
	Cu	65	40369.839	0.085	49.178038	ug/L
	Zn	66	32244.404	0.067	60.125966	ug/L
	Zn	68	26547.972	0.055	63.252835	ug/L
	Ge	72	472608.087	472608.087		ug/L
	As	75	36329.115	0.071	47.948446	ug/L
	Se	77	2135.451	0.004	45.508497	ug/L
	Se	82	2888.968	0.006	48.259035	ug/L
	Rh	103	236382.099	236382.099		ug/L
	Ag	107	133059.005	0.562	44.873935	ug/L
	Pb	208	542281.518	0.925	45.988412	ug/L
	Bi	209	585521.324	585521.324		ug/L

Repeat 2

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	125530.996	0.257	64.888242	ug/L
Cr	53	19879.911	0.036	51.399483	ug/L
Mn	55	223754.366	0.466	49.667015	ug/L
Co	59	159773.368	0.334	47.138340	ug/L
Cu	63	82434.887	0.172	48.616671	ug/L
Cu	65	40745.513	0.084	49.009749	ug/L
Zn	66	33125.573	0.068	61.002806	ug/L
Zn	68	26797.708	0.055	63.039837	ug/L
Ge	72	478630.267	478630.267		ug/L
As	75	36871.821	0.071	48.060936	ug/L
Se	77	2149.654	0.004	45.217803	ug/L
Se	82	2913.010	0.006	48.048068	ug/L
Rh	103	230583.948	230583.948		ug/L
Ag	107	133576.517	0.578	46.183914	ug/L
Pb	208	544470.829	0.929	46.169146	ug/L
Bi	209	585607.626	585607.626		ug/L

Repeat 3

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
Cr	52	126146.433	0.262	66.064198	ug/L
Cr	53	18696.511	0.036	51.606719	ug/L
Mn	55	226435.567	0.478	50.909347	ug/L
Co	59	162930.700	0.345	48.686144	ug/L
Cu	63	83206.880	0.176	49.702198	ug/L
Cu	65	39584.389	0.083	48.215839	ug/L
Zn	66	32766.270	0.068	61.114799	ug/L
Zn	68	26492.811	0.055	63.122057	ug/L
Ge	72	472581.770	472581.770		ug/L
As	75	35889.075	0.070	47.322970	ug/L
Se	77	2131.450	0.004	45.420631	ug/L
Se	82	2651.287	0.006	44.284949	ug/L
Rh	103	232207.513	232207.513		ug/L
Ag	107	133590.723	0.574	45.865245	ug/L
Pb	208	541499.673	0.935	46.458076	ug/L
Bi	209	578793.257	578793.257		ug/L

Sample Information

Sample ID: 2D30002-SRD1
Autosampler Position: 32
Sample Date/Time: Monday, April 30, 2012 10:13:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30002-SRD1.040
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	4702.263	0.005	1.155343	0.068	5.847	ug/L
|	Cr	53	1919.555	-0.002	-2.819584	0.111	3.936	ug/L
|	Mn	55	1516.475	0.002	0.179849	0.014	7.541	ug/L
|	Co	59	370.345	0.001	0.076663	0.002	3.181	ug/L
|	Cu	63	856.049	0.001	0.405350	0.029	7.163	ug/L
|	Cu	65	684.699	0.001	0.410243	0.022	5.270	ug/L
|	Zn	66	3935.224	0.007	6.534611	0.033	0.504	ug/L
|	Zn	68	3547.061	0.006	7.063277	0.152	2.152	ug/L
\>	Ge	72	481540.014	481540.014				ug/L
|	As	75	2869.707	0.000	0.096371	0.109	113.256	ug/L
|	Se	77	95.534	-0.000	-0.700277	0.205	29.242	ug/L
⌊	Se	82	26.798	0.000	0.366314	0.677	184.892	ug/L
⌈>	Rh	103	236235.368	236235.368				ug/L
⌊	Ag	107	482.684	0.001	0.071143	0.005	7.179	ug/L
⌈	Pb	208	1170.708	0.001	0.056060	0.002	4.035	ug/L
⌊>	Bi	209	584806.570	584806.570				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
\>	Ge	71.922	102.934
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	101.468
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	101.287

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	4796.313	0.005	1.216565	ug/L

01982

	Cr	53	1930.224	-0.002	-2.759946	ug/L
	Mn	55	1553.148	0.002	0.189579	ug/L
	Co	59	366.011	0.001	0.075907	ug/L
	Cu	63	850.048	0.001	0.404168	ug/L
	Cu	65	702.034	0.001	0.435184	ug/L
	Zn	66	3895.874	0.007	6.496786	ug/L
	Zn	68	3554.730	0.006	7.122277	ug/L
	Ge	72	479217.003	479217.003		ug/L
	As	75	2858.162	0.000	0.099330	ug/L
	Se	77	105.401	-0.000	-0.470442	ug/L
	Se	82	20.051	0.000	0.255565	ug/L
	Rh	103	236889.046	236889.046		ug/L
	Ag	107	499.019	0.001	0.076207	ug/L
	Pb	208	1196.043	0.001	0.058427	ug/L
	Bi	209	583554.700	583554.700		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	4716.270	0.005	1.166600	ug/L
	Cr	53	1939.226	-0.002	-2.751184	ug/L
	Mn	55	1540.146	0.002	0.185611	ug/L
	Co	59	379.012	0.001	0.079390	ug/L
	Cu	63	905.054	0.002	0.434956	ug/L
	Cu	65	674.032	0.001	0.398691	ug/L
	Zn	66	3936.882	0.007	6.550129	ug/L
	Zn	68	3588.744	0.006	7.176898	ug/L
	Ge	72	480727.729	480727.729		ug/L
	As	75	2941.760	0.000	0.204006	ug/L
	Se	77	92.400	-0.000	-0.767097	ug/L
	Se	82	70.977	0.000	1.092149	ug/L
	Rh	103	236022.942	236022.942		ug/L
	Ag	107	467.017	0.001	0.065993	ug/L
	Pb	208	1150.039	0.001	0.053920	ug/L
	Bi	209	587084.477	587084.477		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	4594.207	0.004	1.082885	ug/L
	Cr	53	1889.215	-0.002	-2.947623	ug/L
	Mn	55	1456.131	0.002	0.164356	ug/L
	Co	59	366.011	0.001	0.074692	ug/L
	Cu	63	813.044	0.001	0.376925	ug/L
	Cu	65	678.032	0.001	0.396853	ug/L
	Zn	66	3972.908	0.007	6.556919	ug/L
	Zn	68	3497.708	0.006	6.890656	ug/L
	Ge	72	484675.310	484675.310		ug/L
	As	75	2809.180	-0.000	-0.014224	ug/L
	Se	77	88.800	-0.000	-0.863293	ug/L
	Se	82	-10.635	-0.000	-0.248773	ug/L
	Rh	103	235794.116	235794.116		ug/L
	Ag	107	482.018	0.001	0.071228	ug/L
	Pb	208	1166.040	0.001	0.055833	ug/L
	Bi	209	583780.532	583780.532		ug/L

Sample Information

Sample ID: 1205042-PS1
Autosampler Position: 33
Sample Date/Time: Monday, April 30, 2012 10:17:32
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\1205042-PS1.041
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	57647.449	0.114	28.881201	0.130	0.450	ug/L
|	Cr	53	9823.069	0.014	20.855027	0.109	0.525	ug/L
|	Mn	55	96029.501	0.198	21.081972	0.385	1.825	ug/L
|	Co	59	69280.030	0.144	20.283898	0.461	2.271	ug/L
|	Cu	63	36650.102	0.076	21.414583	0.495	2.310	ug/L
|	Cu	65	17767.523	0.036	20.989405	0.174	0.828	ug/L
|	Zn	66	17370.422	0.035	31.404402	0.325	1.036	ug/L
|	Zn	68	15225.560	0.030	34.953453	0.480	1.372	ug/L
|>	Ge	72	481958.738	481958.738				ug/L
|	As	75	17341.134	0.030	20.354038	0.287	1.411	ug/L
|	Se	77	985.720	0.002	19.053389	0.525	2.754	ug/L
⌊	Se	82	1181.892	0.002	19.309845	0.692	3.583	ug/L
⌈>	Rh	103	232432.150	232432.150				ug/L
⌊	Ag	107	59907.041	0.257	20.496765	0.334	1.628	ug/L
⌈	Pb	208	229283.316	0.395	19.632843	0.104	0.531	ug/L
⌊>	Bi	209	579206.030	579206.030				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	103.024
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	99.834
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	100.317

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Cr	52	58139.901	0.114	28.750614	ug/L

01984

	Cr	53	9918.507	0.014	20.761973	ug/L
	Mn	55	95308.952	0.194	20.651478	ug/L
	Co	59	68363.766	0.140	19.756624	ug/L
	Cu	63	36151.098	0.074	20.847987	ug/L
	Cu	65	17832.651	0.036	20.793096	ug/L
	Zn	66	17619.234	0.035	31.449876	ug/L
	Zn	68	15318.048	0.030	34.707101	ug/L
>	Ge	72	488174.310	488174.310		ug/L
	As	75	17691.628	0.030	20.530642	ug/L
	Se	77	1000.055	0.002	19.089405	ug/L
	Se	82	1245.697	0.003	20.101494	ug/L
>	Rh	103	232533.697	232533.697		ug/L
	Ag	107	60478.104	0.259	20.684166	ug/L
	Pb	208	228243.666	0.397	19.747129	ug/L
>	Bi	209	573235.087	573235.087		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	57561.230	0.115	29.010635	ug/L
	Cr	53	9757.331	0.014	20.827536	ug/L
	Mn	55	98025.440	0.199	21.201808	ug/L
	Co	59	69578.946	0.145	20.486811	ug/L
	Cu	63	37030.638	0.077	21.760725	ug/L
	Cu	65	17776.541	0.036	21.123618	ug/L
	Zn	66	17084.208	0.035	31.058665	ug/L
	Zn	68	15368.132	0.031	35.506221	ug/L
>	Ge	72	479170.653	479170.653		ug/L
	As	75	17349.819	0.030	20.506795	ug/L
	Se	77	1002.655	0.002	19.559188	ug/L
	Se	82	1145.117	0.002	18.820879	ug/L
>	Rh	103	232587.036	232587.036		ug/L
	Ag	107	60522.398	0.259	20.694614	ug/L
	Pb	208	228652.182	0.393	19.542653	ug/L
>	Bi	209	580256.257	580256.257		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	57241.216	0.114	28.882356	ug/L
	Cr	53	9793.370	0.015	20.975573	ug/L
	Mn	55	96754.112	0.201	21.392630	ug/L
	Co	59	69887.378	0.146	20.608258	ug/L
	Cu	63	38768.573	0.076	21.635036	ug/L
	Cu	65	17693.378	0.036	21.051499	ug/L
	Zn	66	17407.825	0.036	31.704668	ug/L
	Zn	68	14990.499	0.030	34.647036	ug/L
>	Ge	72	478531.253	478531.253		ug/L
	As	75	16981.956	0.030	20.022678	ug/L
	Se	77	954.450	0.002	18.511573	ug/L
	Se	82	1154.882	0.002	19.007163	ug/L
>	Rh	103	232175.716	232175.716		ug/L
	Ag	107	58720.621	0.252	20.111515	ug/L
	Pb	208	230954.100	0.395	19.608747	ug/L
>	Bi	209	584126.747	584126.747		ug/L

Sample Information

Sample ID: 2D30001-CCV
Autosampler Position: 2
Sample Date/Time: Monday, April 30, 2012 10:21:14
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CCV.042
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	99509.097	0.203	51.223844	1.171	2.286	ug/L
|	Cr	53	16300.097	0.028	40.653358	0.726	1.785	ug/L
|	Mn	55	187989.516	0.392	41.749212	0.666	1.596	ug/L
|	Co	59	136223.404	0.285	40.228999	0.377	0.937	ug/L
|	Cu	63	67582.312	0.141	39.882788	0.629	1.578	ug/L
|	Cu	65	32545.818	0.067	39.106097	0.616	1.576	ug/L
|	Zn	66	21211.265	0.044	38.830065	0.425	1.095	ug/L
|	Zn	68	16230.305	0.033	37.663842	0.429	1.138	ug/L
| >	Ge	72	478127.279	478127.279				ug/L
|	As	75	29531.422	0.056	37.754928	0.214	0.567	ug/L
|	Se	77	1753.903	0.003	36.414272	0.402	1.103	ug/L
⌊	Se	82	2312.417	0.005	38.167764	0.743	1.946	ug/L
⌈ >	Rh	103	241830.717	241830.717				ug/L
⌊	Ag	107	111911.147	0.462	36.874145	0.373	1.011	ug/L
⌈	Pb	208	447660.252	0.758	37.698956	0.303	0.805	ug/L
⌊ >	Bi	209	589517.091	589517.091				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
| >	Ge	71.922	102.205
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈ >	Rh	102.905	103.871
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊ >	Bi	208.980	102.103

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
2D30001-CCV	Cr	52	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit

01986

	Cr	52	101658.243	0.208	52.569788	ug/L
	Cr	53	16441.018	0.029	41.275143	ug/L
	Mn	55	189377.043	0.396	42.225208	ug/L
	Co	59	136904.511	0.287	40.590777	ug/L
	Cu	63	67351.241	0.141	39.904071	ug/L
	Cu	65	32487.269	0.068	39.191309	ug/L
	Zn	66	20871.139	0.043	38.351580	ug/L
	Zn	68	16245.665	0.033	37.855966	ug/L
	Ge	72	476225.773	476225.773		ug/L
	As	75	28400.384	0.056	37.736067	ug/L
	Se	77	1751.969	0.003	36.527945	ug/L
	Se	82	2307.205	0.005	38.232528	ug/L
	Rh	103	240718.736	240718.736		ug/L
	Ag	107	110096.753	0.456	36.443781	ug/L
	Pb	208	440736.266	0.752	37.384898	ug/L
	Bi	209	585293.320	585293.320		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	98392.573	0.201	50.660476	ug/L
	Cr	53	16349.853	0.028	40.829039	ug/L
	Mn	55	189173.876	0.394	42.034839	ug/L
	Co	59	136248.763	0.285	40.257827	ug/L
	Cu	63	68591.474	0.143	40.501242	ug/L
	Cu	65	32997.105	0.068	39.675184	ug/L
	Zn	66	21378.321	0.044	39.164853	ug/L
	Zn	68	16345.845	0.033	37.962899	ug/L
	Ge	72	477861.351	477861.351		ug/L
	As	75	28370.369	0.056	37.551086	ug/L
	Se	77	1732.965	0.003	35.967877	ug/L
	Se	82	2354.010	0.005	38.875883	ug/L
	Rh	103	242673.713	242673.713		ug/L
	Ag	107	112915.033	0.464	37.077167	ug/L
	Pb	208	453629.613	0.764	37.990371	ug/L
	Bi	209	592821.465	592821.465		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	98476.475	0.200	50.441267	ug/L
	Cr	53	16109.422	0.028	39.855892	ug/L
	Mn	55	185417.630	0.385	40.987589	ug/L
	Co	59	135516.939	0.282	39.838393	ug/L
	Cu	63	66804.221	0.139	39.243050	ug/L
	Cu	65	32153.081	0.066	38.451799	ug/L
	Zn	66	21384.335	0.044	38.973762	ug/L
	Zn	68	16099.404	0.032	37.172662	ug/L
	Ge	72	480294.713	480294.713		ug/L
	As	75	29823.512	0.056	37.977632	ug/L
	Se	77	1776.774	0.003	36.746994	ug/L
	Se	82	2276.037	0.005	37.394883	ug/L
	Rh	103	242099.703	242099.703		ug/L
	Ag	107	112721.654	0.464	37.101486	ug/L
	Pb	208	448611.877	0.759	37.721599	ug/L
	Bi	209	590436.490	590436.490		ug/L

Sample Information

Sample ID: 2D30001-CCB
Autosampler Position: 1
Sample Date/Time: Monday, April 30, 2012 10:24:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2D30001.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2D30001\2D30001-CCB.043
Tuning File: C:\Elandata\Tuning\30APR2012_6020A_A.tun
Optimization File: C:\Elandata\Optimize\30APR2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Cr	52	3815.172	0.003	0.697262	0.047	6.777	ug/L
|	Cr	53	1769.857	-0.002	-3.249677	0.062	1.908	ug/L
|	Mn	55	535.021	-0.000	-0.036994	0.003	8.055	ug/L
|	Co	59	123.002	0.000	0.004209	0.002	52.553	ug/L
|	Cu	63	190.004	0.000	0.014458	0.015	100.978	ug/L
|	Cu	65	347.010	0.000	0.004425	0.042	947.767	ug/L
|	Zn	66	358.677	-0.000	-0.090977	0.042	45.720	ug/L
|	Zn	68	548.689	-0.000	-0.100961	0.040	39.727	ug/L
|>	Ge	72	479817.246	479817.246				ug/L
|	As	75	2686.196	-0.000	-0.147778	0.072	48.497	ug/L
|	Se	77	96.734	-0.000	-0.666529	0.102	15.312	ug/L
⌊	Se	82	22.477	0.000	0.292889	0.948	323.657	ug/L
⌈>	Rh	103	242647.369	242647.369				ug/L
⌊	Ag	107	381.679	0.000	0.033587	0.007	21.800	ug/L
⌈	Pb	208	559.346	0.000	0.003953	0.004	103.430	ug/L
⌊>	Bi	209	586767.859	586767.859				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Cr	51.941	
|	Cr	52.941	
|	Mn	54.938	
|	Co	58.933	
|	Cu	62.930	
|	Cu	64.928	
|	Zn	65.926	
|	Zn	67.925	
|>	Ge	71.922	102.566
|	As	74.922	
|	Se	76.920	
⌊	Se	81.917	
⌈>	Rh	102.905	104.222
⌊	Ag	106.905	
⌈	Pb	207.977	
⌊>	Bi	208.980	101.627

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message
2D30001-CCB	Cr	53	

Replicates

Repeat 1

Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit

01988

	Cr	52	3849.853	0.003	0.722624	ug/L
	Cr	53	1780.192	-0.002	-3.199969	ug/L
	Mn	55	527.021	-0.000	-0.038363	ug/L
	Co	59	131.002	0.000	0.006697	ug/L
	Cu	63	171.003	0.000	0.003611	ug/L
	Cu	65	317.009	-0.000	-0.030425	ug/L
	Zn	66	346.010	-0.000	-0.112183	ug/L
	Zn	68	553.022	-0.000	-0.086004	ug/L
	Ge	72	478142.578	478142.578		ug/L
	As	75	2628.471	-0.000	-0.215830	ug/L
	Se	77	100.601	-0.000	-0.572537	ug/L
	Se	82	-41.780	-0.000	-0.766196	ug/L
	Rh	103	242814.397	242814.397		ug/L
	Ag	107	404.013	0.001	0.040844	ug/L
	Pb	208	611.014	0.000	0.008658	ug/L
	Bi	209	582877.237	582877.237		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	3886.870	0.003	0.726422	ug/L
	Cr	53	1754.187	-0.002	-3.319149	ug/L
	Mn	55	528.021	-0.000	-0.039043	ug/L
	Co	59	121.002	0.000	0.003467	ug/L
	Cu	63	181.004	0.000	0.008706	ug/L
	Cu	65	387.012	0.000	0.050972	ug/L
	Zn	66	386.012	-0.000	-0.043053	ug/L
	Zn	68	532.021	-0.000	-0.146399	ug/L
	Ge	72	481839.332	481839.332		ug/L
	As	75	2750.795	-0.000	-0.072973	ug/L
	Se	77	97.801	-0.000	-0.651962	ug/L
	Se	82	69.301	0.000	1.061964	ug/L
	Rh	103	243155.333	243155.333		ug/L
	Ag	107	360.011	0.000	0.026202	ug/L
	Pb	208	534.012	0.000	0.001260	ug/L
	Bi	209	593710.788	593710.788		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
	Cr	52	3708.793	0.003	0.642741	ug/L
	Cr	53	1775.191	-0.002	-3.229912	ug/L
	Mn	55	550.022	-0.000	-0.033576	ug/L
	Co	59	117.002	0.000	0.002464	ug/L
	Cu	63	218.005	0.000	0.031058	ug/L
	Cu	65	337.010	-0.000	-0.007271	ug/L
	Zn	66	344.010	-0.000	-0.117694	ug/L
	Zn	68	561.023	-0.000	-0.070479	ug/L
	Ge	72	479469.827	479469.827		ug/L
	As	75	2679.322	-0.000	-0.154529	ug/L
	Se	77	91.800	-0.000	-0.775089	ug/L
	Se	82	39.911	0.000	0.582901	ug/L
	Rh	103	241972.378	241972.378		ug/L
	Ag	107	381.012	0.000	0.033714	ug/L
	Pb	208	533.011	0.000	0.001941	ug/L
	Bi	209	583715.552	583715.552		ug/L

Due 5-8

TRIMATRIX LABORATORIES

Metals Laboratory Instrument Run Sequence

Instrument #: 201
Date: ~~5-3~~ 5-4-12
Analyst: KW

Data File: 2E02024
Calibration BLK/ICB/CCB: 5%HNO3# 51061
Internal Standard #: 2020478

Autosampler Position:

1. CAL1BLK/ICB/CCB/1120011
2. ICV/SCV/CCV 40ug/L 2021185
3. CAL2 0.2 ug/L 1120010
4. CAL3 1.0 ug/L 1120009
5. CAL4 10 ug/L 1120008
6. CAL5 20 ug/L 1120007
7. CAL6 50 ug/L 1120006
8. CAL7 100 ug/L 1120005
9.
10. IFA1 2021186
11. IFB1 2021187

Analysis # / Position #	ID	Dilution			Analysis # / Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
1/17	120294-BLK1				35/51				
2/18	BS1				36/52				
3/19	120454-01				37/53				
4/20	MS1				38/54				
5/21	MSD1				39/55				
6/22	SRD1				40/56				
7/23	RS1				41/57				
8/24	120454-02				42/58				
9/25					43/59				
10/26					44/60				
11/27					45/61				
12/28					46/62				
13/29					47/63				
14/30					48/64				
15/31					49/65				
16/32					50/66				
17/33					51/67				
18/34					52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

Instrument Tuning Report

File Name: 02MAY2012_6020A_C.tun
File Path: C:\Elandata\Tuning

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Li	7.016	6.976	1532	2035	0.839	
Co	58.933	58.978	14184	2055	0.889	
In	114.904	114.928	27818	2090	0.880	
Ba	137.905	137.829	33402	2110	0.873	
Ce	139.905	139.929	33902	2120	0.852	
Tl	204.975	204.976	49718	2160	0.880	

01991

Daily Performance Report

Sample ID: 2030053
Sample Date/Time: Wednesday, May 02, 2012 11:35:02
Sample Description:
Method File: c:\elandata\Method\6020A_Daily.mth
Dataset File: c:\elandata\Dataset\default\2030053.6267
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac
Dual Detector Mode: Dual

Acq. Dead Time(ns): 55
Current Dead Time (ns): 55

Number of Replicates: 6

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Li	7.0	11369.6	11369.606	92.506	0.8
	Co	58.9	101309.7	101309.667	1683.460	1.7
	In	114.9	322479.8	322479.842	2273.329	0.7
	Tl	205.0	289695.5	289695.454	2982.301	1.0
⌈>	Ba	137.9	306928.0	306927.970	2728.065	0.9
⌊	Ba++	69.0	4534.3	0.015	0.000	1.7
⌈>	Ce	139.9	358103.6	358103.613	3084.489	0.9
⌊	CeO	155.9	10380.9	0.029	0.000	0.7
	Bkgd	220.0	16.0	16.000	2.966	18.5

Replicates

Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	11556.341	11556.341
Co	59	103454.323	103454.323
In	115	318271.353	318271.353
Tl	205	290807.058	290807.058
Ba	138	309640.183	309640.183
Ba++	69	4518.122	0.015
Ce	140	355586.914	355586.914
CeO	156	10328.864	0.029
Bkgd	220	20.000	20.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	11331.057	11331.057
Co	59	100442.833	100442.833
In	115	323867.896	323867.896
Tl	205	290537.646	290537.646
Ba	138	306964.072	306964.072
Ba++	69	4489.108	0.015
Ce	140	355714.773	355714.773
CeO	156	10451.004	0.029
Bkgd	220	19.000	19.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	11330.056	11330.056
Co	59	99799.810	99799.810
In	115	322969.272	322969.272
Tl	205	287566.378	287566.378
Ba	138	306905.633	306905.633
Ba++	69	4461.094	0.015
Ce	140	358449.092	358449.092
CeO	156	10336.873	0.029
Bkgd	220	15.000	15.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	11324.048	11324.048
Co	59	99422.711	99422.711
In	115	322245.471	322245.471

Tl	205	293747.358	293747.358
Ba	138	304743.337	304743.337
Ba++	69	4615.171	0.015
Ce	140	363955.523	363955.523
CeO	156	10552.121	0.029
Bkgd	220	13.000	13.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	11358.091	11358.091
Co	59	101763.398	101763.398
In	115	322618.633	322618.633
Tl	205	290408.620	290408.620
Ba	138	310188.209	310188.209
Ba++	69	4576.151	0.015
Ce	140	357864.732	357864.732
CeO	156	10346.885	0.029
Bkgd	220	13.000	13.000
Analyte	Mass	Meas. Intensity	Net Intensity
Li	7	11318.041	11318.041
Co	59	102974.926	102974.926
In	115	324906.430	324906.430
Tl	205	285105.667	285105.667
Ba	138	303126.388	303126.388
Ba++	69	4546.136	0.015
Ce	140	357050.642	357050.642
CeO	156	10269.798	0.029
Bkgd	220	16.000	16.000

U

Sample Information

Sample ID: 2E02024-CAL1
Autosampler Position: 1
Sample Date/Time: Wednesday, May 02, 2012 11:41:51
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-CAL1.001
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	608.347					ug/L
⌊>	Bi	209	549058.267					ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	600.013			ug/L
⌊>	Bi	209	538481.418			ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	650.015			ug/L
⌊>	Bi	209	551659.507			ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	575.013			ug/L
⌊>	Bi	209	557033.876			ug/L

Sample Information

Sample ID: 2E02024-CAL2
Autosampler Position: 4
Sample Date/Time: Wednesday, May 02, 2012 11:44:19
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-CAL2.002
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	12578.551	0.022	1.000000	0.022	2.185	ug/L
⌊>	Bi	209	540376.979	540376.979				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	12473.454	0.022	1.005965	ug/L
⌊>	Bi	209	532738.386	532738.386		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	12755.678	0.023	1.018245	ug/L
⌊>	Bi	209	538529.123	538529.123		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	12506.520	0.022	0.975790	ug/L
⌊>	Bi	209	549863.429	549863.429		ug/L

Sample Information

Sample ID: 2E02024-CAL3
Autosampler Position: 5
Sample Date/Time: Wednesday, May 02, 2012 11:46:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-CAL3.003
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	134940.898	0.248	10.010602	0.009	0.091	ug/L
⌊>	Bi	209	541058.981	541058.981				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	134572.635	0.249	10.021044	ug/L
⌊>	Bi	209	539021.035	539021.035		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	133602.388	0.248	10.006644	ug/L
⌊>	Bi	209	535901.440	535901.440		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	136647.673	0.248	10.004116	ug/L
⌊>	Bi	209	548254.469	548254.469		ug/L

01996

Sample Information

Sample ID: 2E02024-CAL4
Autosampler Position: 6
Sample Date/Time: Wednesday, May 02, 2012 11:49:21
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-CAL4.004
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	249266.637	0.462	19.704415	0.335	1.700	ug/L
⌊>	Bi	209	538689.411	538689.411				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	250600.823	0.469	20.017340	ug/L
⌊>	Bi	209	533026.567	533026.567		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	247227.489	0.463	19.744929	ug/L
⌊>	Bi	209	533089.077	533089.077		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	249971.598	0.453	19.350977	ug/L
⌊>	Bi	209	549952.588	549952.588		ug/L

01997

Sample Information

Sample ID: 2E02024-CAL5
Autosampler Position: 7
Sample Date/Time: Wednesday, May 02, 2012 11:51:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-CAL5.005
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	608151.128	1.123	49.641828	0.152	0.306	ug/L
⌊>	Bi	209	540990.162	540990.162				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	607126.909	1.124	49.702387	ug/L
⌊>	Bi	209	539417.551	539417.551		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	608766.465	1.119	49.469056	ug/L
⌊>	Bi	209	543422.884	543422.884		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	608560.011	1.126	49.754040	ug/L
⌊>	Bi	209	540130.051	540130.051		ug/L

01998

Sample Information

Sample ID: 2E02024-CAL6
Autosampler Position: 8
Sample Date/Time: Wednesday, May 02, 2012 11:54:27
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-CAL6.006
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	1178120.603	2.161	98.933012	0.386	0.391	ug/L
⌊>	Bi	209	544824.224	544824.224				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	1166553.673	2.166	99.126766	ug/L
⌊>	Bi	209	538412.510	538412.510		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	1182013.019	2.152	98.488136	ug/L
⌊>	Bi	209	549083.325	549083.325		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	1185795.117	2.167	99.184134	ug/L
⌊>	Bi	209	546976.838	546976.838		ug/L

Quantitative Analysis Calibration Report

File Name:
File Path:
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Pb	207.977	Linear Thru Zero	0.02	0.00	0.999759
Bi	208.980	Linear Thru Zero	0.00	0.00	0.000000

Method Equation

Analyte	Mass	Corrections
Pb	207.977	+ 1*Pb 206 +1*Pb 207

02000

Sample Information

Sample ID: 2E02024-SCV1
Autosampler Position: 2
Sample Date/Time: Wednesday, May 02, 2012 11:56:59
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-SCV1.007
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	457524.974	0.846	38.707280	0.388	1.003	ug/L
⌊>	Bi	209	540392.971	540392.971				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	98.422

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	456323.274	0.854	39.089064	ug/L
⌊>	Bi	209	533676.064	533676.064		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	457546.612	0.837	38.313059	ug/L
⌊>	Bi	209	545930.669	545930.669		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	458705.036	0.846	38.719717	ug/L
⌊>	Bi	209	541572.180	541572.180		ug/L

W

Sample Information

Sample ID: 2E02024-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, May 02, 2012 11:59:26
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-CCB.008
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	625.681	0.000	0.002703	0.005	168.416	ug/L
⌊>	Bi	209	536325.092	536325.092				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	97.681

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	678.017	0.000	0.007515	ug/L
⌊>	Bi	209	532965.116	532965.116		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	619.015	0.000	0.002127	ug/L
⌊>	Bi	209	536200.316	536200.316		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	580.013	-0.000	-0.001534	ug/L
⌊>	Bi	209	539809.843	539809.843		ug/L

Sample Information

Sample ID: 2E02024-CRL1
Autosampler Position: 4
Sample Date/Time: Wednesday, May 02, 2012 12:01:54
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-CRL1.009
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	12467.465	0.022	1.013122	0.031	3.027	ug/L
⌊>	Bi	209	536608.736	536608.736				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	97.733

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	12613.508	0.023	1.046305	ug/L
⌊>	Bi	209	526312.787	526312.787		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	12276.408	0.022	0.985837	ug/L
⌊>	Bi	209	542128.944	542128.944		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	12512.480	0.022	1.007223	ug/L
⌊>	Bi	209	541384.478	541384.478		ug/L

Sample Information

Sample ID: 2E02024-IFA1
Autosampler Position: 10
Sample Date/Time: Wednesday, May 02, 2012 12:04:23
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-IFA1.010
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	661.682	0.000	0.006661	0.000	3.022	ug/L
⌊>	Bi	209	527855.374	527855.374				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	96.138

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	658.015	0.000	0.006503	ug/L
⌊>	Bi	209	526390.075	526390.075		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	657.015	0.000	0.006593	ug/L
⌊>	Bi	209	524766.091	524766.091		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	670.016	0.000	0.006886	ug/L
⌊>	Bi	209	532409.956	532409.956		ug/L

Sample Information

Sample ID: 2E02024-IFB1
Autosampler Position: 11
Sample Date/Time: Wednesday, May 02, 2012 12:06:49
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-IFB1.011
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	230651.980	0.431	19.722209	0.168	0.852	ug/L
⌊>	Bi	209	534014.714	534014.714				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	97.260

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	227822.248	0.434	19.879210	ug/L
⌊>	Bi	209	523255.637	523255.637		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	232293.378	0.427	19.545038	ug/L
⌊>	Bi	209	542623.165	542623.165		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	231840.314	0.431	19.742378	ug/L
⌊>	Bi	209	536165.341	536165.341		ug/L

Sample Information

Sample ID: 2E02024-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, May 02, 2012 12:09:16
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-CCV.012
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	454536.664	0.833	38.143471	0.475	1.246	ug/L
⌊>	Bi	209	544808.017	544808.017				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	99.226

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	454449.401	0.836	38.260243	ug/L
⌊>	Bi	209	542982.712	542982.712		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	454167.272	0.842	38.549367	ug/L
⌊>	Bi	209	538581.070	538581.070		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	454993.318	0.822	37.620802	ug/L
⌊>	Bi	209	552860.269	552860.269		ug/L

2

Sample Information

Sample ID: 2E02024-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, May 02, 2012 12:11:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-CCB.013
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	626.681	0.000	0.002599	0.007	272.885	ug/L
⌊>	Bi	209	538456.775	538456.775				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	98.069

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	689.018	0.000	0.009224	ug/L
⌊>	Bi	209	533808.512	533808.512		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	637.015	0.000	0.003453	ug/L
⌊>	Bi	209	536281.057	536281.057		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	544.012	-0.000	-0.004881	ug/L
⌊>	Bi	209	543280.754	543280.754		ug/L

Sample Information

Sample ID: 1205294-BLK1
Autosampler Position: 17
Sample Date/Time: Wednesday, May 02, 2012 12:14:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\1205294-BLK1.014
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	700.684	0.000	0.008045	0.001	9.724	ug/L
⌊>	Bi	209	545763.413	545763.413				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	99.400

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	680.017	0.000	0.007257	ug/L
⌊>	Bi	209	536917.870	536917.870		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	714.018	0.000	0.008821	ug/L
⌊>	Bi	209	548950.661	548950.661		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	708.018	0.000	0.008056	ug/L
⌊>	Bi	209	551421.709	551421.709		ug/L

Sample Information

Sample ID: 1205294-BS1
Autosampler Position: 18
Sample Date/Time: Wednesday, May 02, 2012 12:16:42
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\1205294-BS1.015
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	556006.828	1.008	46.137029	0.500	1.083	ug/L
⌊>	Bi	209	551065.914	551065.914				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	100.366

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	553526.409	1.001	45.808869	ug/L
⌊>	Bi	209	552499.281	552499.281		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	557280.555	1.020	46.712318	ug/L
⌊>	Bi	209	545499.927	545499.927		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	557213.520	1.003	45.889901	ug/L
⌊>	Bi	209	555198.534	555198.534		ug/L

Sample Information

Sample ID: 1204454-01
Autosampler Position: 19
Sample Date/Time: Wednesday, May 02, 2012 12:19:12
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\1204454-01.016
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	2093.781	0.003	0.125386	0.001	0.570	ug/L
⌊>	Bi	209	544214.164	544214.164				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	99.118

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	2053.111	0.003	0.124797	ug/L
⌊>	Bi	209	535455.262	535455.262		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	2095.113	0.003	0.125180	ug/L
⌊>	Bi	209	545220.910	545220.910		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	2133.120	0.003	0.126182	ug/L
⌊>	Bi	209	551966.319	551966.319		ug/L

Sample Information

Sample ID: 1205294-MS1
Autosampler Position: 20
Sample Date/Time: Wednesday, May 02, 2012 12:21:43
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\1205294-MS1.017
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	554582.804	1.029	47.110003	0.671	1.424	ug/L
⌊>	Bi	209	538369.680	538369.680				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	98.053

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	554766.682	1.020	46.696911	ug/L
⌊>	Bi	209	543218.175	543218.175		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	552501.517	1.046	47.884002	ug/L
⌊>	Bi	209	527602.424	527602.424		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	556480.213	1.021	46.749096	ug/L
⌊>	Bi	209	544288.439	544288.439		ug/L

02011

Sample Information

Sample ID: 1205294-MSD1
Autosampler Position: 21
Sample Date/Time: Wednesday, May 02, 2012 12:24:15
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\1205294-MSD1.018
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	547807.394	1.008	46.129061	0.476	1.032	ug/L
⌊>	Bi	209	543055.842	543055.842				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	98.907

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	544816.425	1.016	46.514537	ug/L
⌊>	Bi	209	535564.420	535564.420		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	548243.526	1.011	46.275869	ug/L
⌊>	Bi	209	541712.163	541712.163		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	550362.230	0.996	45.596878	ug/L
⌊>	Bi	209	551890.942	551890.942		ug/L

02012

Sample Information

Sample ID: 2E02024-SRD1
Autosampler Position: 22
Sample Date/Time: Wednesday, May 02, 2012 12:26:48
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-SRD1.019
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	892.026	0.001	0.023546	0.004	18.917	ug/L
⌊>	Bi	209	549764.842	549764.842				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	100.129

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	897.026	0.001	0.025083	ug/L
⌊>	Bi	209	541698.377	541698.377		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	947.028	0.001	0.027029	ug/L
⌊>	Bi	209	557581.999	557581.999		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	832.023	0.000	0.018527	ug/L
⌊>	Bi	209	550014.150	550014.150		ug/L

Sample Information

Sample ID: 1205294-PS1
Autosampler Position: 23
Sample Date/Time: Wednesday, May 02, 2012 12:29:20
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\1205294-PS1.020
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	229625.276	0.419	19.160460	0.075	0.391	ug/L
⌊>	Bi	209	547148.092	547148.092				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	99.652

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	227500.157	0.420	19.240863	ug/L
⌊>	Bi	209	539805.602	539805.602		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	229100.331	0.418	19.147771	ug/L
⌊>	Bi	209	546238.353	546238.353		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	232275.340	0.417	19.092745	ug/L
⌊>	Bi	209	555400.319	555400.319		ug/L

Sample Information

Sample ID: 1204454-02
Autosampler Position: 25
Sample Date/Time: Wednesday, May 02, 2012 12:31:50
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\1204454-02.021
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	419.341	-0.000	-0.019550	0.002	9.819	ug/L
⌊>	Bi	209	616151.296	616151.296				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	112.220

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	375.007	-0.000	-0.021332	ug/L
⌊>	Bi	209	584152.314	584152.314		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	423.008	-0.000	-0.017517	ug/L
⌊>	Bi	209	583217.028	583217.028		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	460.009	-0.000	-0.019801	ug/L
⌊>	Bi	209	681084.547	681084.547		ug/L

Sample Information

Sample ID: 2E02024-CCV
Autosampler Position: 2
Sample Date/Time: Wednesday, May 02, 2012 12:34:17
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-CCV.022
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	459211.320	0.831	38.048673	0.410	1.079	ug/L
⌊>	Bi	209	551798.223	551798.223				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	100.499

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	453597.477	0.841	38.476085	ug/L
⌊>	Bi	209	538928.799	538928.799		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	462341.946	0.830	38.012244	ug/L
⌊>	Bi	209	556012.073	556012.073		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	461694.536	0.823	37.657710	ug/L
⌊>	Bi	209	560453.796	560453.796		ug/L

Sample Information

Sample ID: 2E02024-CCB
Autosampler Position: 1
Sample Date/Time: Wednesday, May 02, 2012 12:36:44
Initial Sample Quantity (mg):
Sample Prep Volume (mL):
Aliquot Volume (mL):
Diluted To Volume (mL):
Number of Replicates: 3
Sample File: C:\Elandata\Sample\2E02024.sam
Method File: c:\elandata\Method\TriMatrix_Aqueous_6020A_201.mth
Dataset File: C:\Elandata\DataSet\2E02024\2E02024-CCB.023
Tuning File: C:\Elandata\Tuning\02MAY2012_6020A_C.tun
Optimization File: C:\Elandata\Optimize\02MAY2012_6020A.dac

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Report Unit
⌈	Pb	208	646.682	0.000	0.003497	0.005	131.366	ug/L
⌊>	Bi	209	546290.656	546290.656				ug/L

QC Calculated Values

	Analyte	Mass	Int Std % Recovery
⌈	Pb	207.977	
⌊>	Bi	208.980	99.496

QC Out Of Limits

Measurement Type	Analyte	Mass	Out of Limits Message

Replicates

Repeat 1

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	691.016	0.000	0.007178	ug/L
⌊>	Bi	209	546345.515	546345.515		ug/L

Repeat 2

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	656.016	0.000	0.004964	ug/L
⌊>	Bi	209	539295.626	539295.626		ug/L

Repeat 3

	Analyte	Mass	Meas. Intensity	Net Intensity	Concentration	Report Unit
⌈	Pb	208	593.013	-0.000	-0.001651	ug/L
⌊>	Bi	209	553230.827	553230.827		ug/L

02017

TRIMATRIX LABORATORIES

Cal ID. 2E07013

Due 5-08

4mD

Metals Laboratory Instrument Run Sequence

Instrument #: 116

Date: 5-07-12

Analyst: CCD

Data File: 2E07042

Calibration BLK/ICB/CCB: 5%HNO3/51061/5%HCl/51122

Internal Standard #: 1081339.8

Autosampler Position:

1. BLK/CCB/2050084
2. STD 1/2040860
3. STD 2/2040861
4. STD3/CCV/2040862
5. STD4/2040863
9. DAILY SCV/CCV1/2050085
10. CRL/2040847
11. IFA1/2031153
12. IFA2/2030384
13. IFB1/2030091
14. IFB2/2030092

Analysis # / Position #	ID	Dilution			Analysis # / Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
TOTAL 1/17	1205292-BLK1				35/51				
2/18	↓ BS				36/52				
3/19	1204454-01				37/53				
4/20	1205292-MS1				38/54				
5/21	↓ MSD				39/55				
6/22	2E07042-SD1	1	5	5	40/56				
7/23	1205292-PS1				41/57				
8/24	1204454-02				42/58				
DISS 9/25	1205293-BLK1				43/59				
10/26	↓ BS				44/60				
11/27	1204454-01				45/61				
12/28	1205293-MS				46/62				
13/29	↓ MSD				47/63				
14/30	2E07042-SD2	1	5	5	48/64				
15/31	1205293-PS1				49/65				
16/32	1204454-02				50/66				
17/33					51/67				
18/34					52/68				
19/35					53/69				
20/36					54/70				
21/37					55/71				
22/38					56/72				
23/39					57/73				
24/40					58/74				
25/41					59/75				
26/42					60/76				
27/43					61/77				
28/44					62/78				
29/45					63/79				
30/46					64/80				
31/47					65/81				
32/48					66/82				
33/49					67/83				
34/50					68/84				

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Analysis Begun

Start Time: 5/7/2012 11:37:07 AM **Plasma On Time:** 5/7/2012 6:34:12 AM
Logged In Analyst: analystME **Technique:** ICP Continuous
Spectrometer Model: Optima 3300 RL, S/N 069N9060301 **Autosampler Model:** AS-90

Sample Information File: C:\pe\Administrator\Sample Information\2E07042.sif
Batch ID:
Results Data Set: 2E07042
Results Library: C:\pe\Administrator\Results\Results.mdb

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Method Loaded
Method Name: AQU_6010C_116 **Method Last Saved:** 5/7/2012 11:36:19 AM
IEC File: IEC-25.iec **MSF File:**
Method Description: Aqueous 6010C

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Ag 328.068	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Al 396.146	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
As 188.979	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
B 249.769	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Ba 455.403	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Be 234.863	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Ca 315.874	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Cd 214.436	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Ce 413.764	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Co 228.616	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Cr 205.563	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Cu 324.741	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Fe 238.204	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
K 766.490	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Li 670.784	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Mg 279.071	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Mn 257.610	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Mo 202.031	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Na 589.592	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Ni 231.604	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Pb 220.353	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Sb 217.584	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Sc 357.234	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Se 196.026	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Si 251.611	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Sn 189.927	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Sr 407.771	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Ti 334.946	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Tl 190.801	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
V 292.395	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Zn 206.200	Lin, Calc Int	Peak Area	Axial	Sc 357.234	Yes
Y 371.029	Lin, Calc Int	Peak Area	Axial	n/a	n/a

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5/7/2012 11:38:44 AM Hg ReAlign... Actual peak offset (nm): -0.007
Drift (nm): 0.000 Slit adjustment: 0

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Sequence No.: 2 **Autosampler Location:** 1
Sample ID: 2E07042-CAL1 **Date Collected:** 5/7/2012 11:38:46 AM
Analyst: **Data Type:** Original
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2E07042-CAL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	538394.3	538394.3	99.52	%	11:39:54
1	Y 371.029	683390.2	683390.2	99.42	%	11:39:54
1	Ag 328.068†	-356.8	-358.5	[0.00]	ug/L	11:39:59
1	Al 396.146†	462.6	464.8	[0.00]	ug/L	11:39:59

1	As 188.979†	2.0	2.0	[0.00] ug/L	11:40:19
1	B 249.769†	458.2	460.4	[0.00] ug/L	11:39:59
1	Ba 455.403†	310.3	311.8	[0.00] ug/L	11:39:59
1	Be 234.863†	157.1	157.8	[0.00] ug/L	11:40:19
1	Ca 315.874†	-119.0	-119.6	[0.00] mg/L	11:39:59
1	Cd 214.436†	-31.2	-31.3	[0.00] ug/L	11:40:19
1	Ce 413.764†	88.7	89.1	[0.00] ug/L	11:39:59
1	Co 228.616†	-32.9	-33.1	[0.00] ug/L	11:40:19
1	Cr 205.563†	41.6	41.8	[0.00] ug/L	11:40:19
1	Cu 324.741†	-148.8	-149.5	[0.00] ug/L	11:39:59
1	Fe 238.204†	140.0	140.7	[0.00] ug/L	11:40:19
1	K 766.490†	2541.0	2553.2	[0.00] mg/L	11:39:54
1	Li 670.784†	1999.3	2009.0	[0.00] ug/L	11:39:54
1	Mg 279.071†	166.6	167.4	[0.00] mg/L	11:39:59
1	Mn 257.610†	53.6	53.8	[0.00] ug/L	11:39:59
1	Mo 202.031†	-0.6	-0.6	[0.00] ug/L	11:40:19
1	Na 589.592†	777.1	780.9	[0.00] mg/L	11:39:59
1	Ni 231.604†	-6.3	-6.3	[0.00] ug/L	11:40:19
1	Pb 220.353†	-68.2	-68.6	[0.00] ug/L	11:40:19
1	Sb 217.584†	8.2	8.2	[0.00] ug/L	11:40:19
1	Se 196.026†	-5.4	-5.4	[0.00] ug/L	11:40:19
1	Si 251.611†	508.3	510.8	[0.00] ug/L	11:40:19
1	Sn 189.927†	-0.2	-0.2	[0.00] ug/L	11:40:19
1	Sr 407.771†	1750.3	1758.7	[0.00] ug/L	11:39:59
1	Ti 334.946†	1266.4	1272.4	[0.00] ug/L	11:39:59
1	Tl 190.801†	-4.4	-4.4	[0.00] ug/L	11:40:19
1	V 292.395†	-133.7	-134.3	[0.00] ug/L	11:39:59
1	Zn 206.200†	68.9	69.3	[0.00] ug/L	11:40:19
2	Sc 357.234	543569.4	543569.4	100.5 %	11:40:24
2	Y 371.029	691330.8	691330.8	100.6 %	11:40:24
2	Ag 328.068†	-477.2	-475.0	[0.00] ug/L	11:40:29
2	Al 396.146†	408.3	406.4	[0.00] ug/L	11:40:29
2	As 188.979†	19.3	19.2	[0.00] ug/L	11:40:50
2	B 249.769†	438.7	436.6	[0.00] ug/L	11:40:29
2	Ba 455.403†	358.6	356.9	[0.00] ug/L	11:40:29
2	Be 234.863†	171.5	170.7	[0.00] ug/L	11:40:50
2	Ca 315.874†	-33.3	-33.1	[0.00] mg/L	11:40:29
2	Cd 214.436†	-53.0	-52.7	[0.00] ug/L	11:40:50
2	Ce 413.764†	107.0	106.5	[0.00] ug/L	11:40:29
2	Co 228.616†	-32.8	-32.6	[0.00] ug/L	11:40:50
2	Cr 205.563†	48.8	48.5	[0.00] ug/L	11:40:50
2	Cu 324.741†	-156.3	-155.5	[0.00] ug/L	11:40:29
2	Fe 238.204†	99.5	99.0	[0.00] ug/L	11:40:50
2	K 766.490†	2428.0	2416.4	[0.00] mg/L	11:40:24
2	Li 670.784†	2073.0	2063.1	[0.00] ug/L	11:40:24
2	Mg 279.071†	47.4	47.2	[0.00] mg/L	11:40:29
2	Mn 257.610†	141.8	141.1	[0.00] ug/L	11:40:29
2	Mo 202.031†	7.5	7.4	[0.00] ug/L	11:40:50
2	Na 589.592†	746.2	742.6	[0.00] mg/L	11:40:29
2	Ni 231.604†	-13.5	-13.4	[0.00] ug/L	11:40:50
2	Pb 220.353†	-85.1	-84.7	[0.00] ug/L	11:40:50
2	Sb 217.584†	2.1	2.1	[0.00] ug/L	11:40:50
2	Se 196.026†	-7.1	-7.1	[0.00] ug/L	11:40:50
2	Si 251.611†	506.9	504.5	[0.00] ug/L	11:40:50
2	Sn 189.927†	-2.3	-2.3	[0.00] ug/L	11:40:50
2	Sr 407.771†	1748.3	1739.9	[0.00] ug/L	11:40:29
2	Ti 334.946†	1326.0	1319.7	[0.00] ug/L	11:40:29
2	Tl 190.801†	-1.5	-1.5	[0.00] ug/L	11:40:50
2	V 292.395†	-99.9	-99.4	[0.00] ug/L	11:40:29
2	Zn 206.200†	69.9	69.6	[0.00] ug/L	11:40:50

Mean Data: 2E07042-CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	540981.8	3659.38	0.68%	100.00	%
Y 371.029	687360.5	5614.87	0.82%	100.0	%
Ag 328.068†	-416.8	82.32	19.75%	[0.00]	ug/L
Al 396.146†	435.6	41.31	9.48%	[0.00]	ug/L
As 188.979†	10.6	12.17	114.76%	[0.00]	ug/L
B 249.769†	448.5	16.81	3.75%	[0.00]	ug/L
Ba 455.403†	334.3	31.93	9.55%	[0.00]	ug/L

Be 234.863†	164.3	9.07	5.52%	[0.00] ug/L
Ca 315.874†	-76.4	61.12	80.05%	[0.00] mg/L
Cd 214.436†	-42.0	15.11	35.94%	[0.00] ug/L
Ce 413.764†	97.8	12.33	12.60%	[0.00] ug/L
Co 228.616†	-32.8	0.32	0.97%	[0.00] ug/L
Cr 205.563†	45.2	4.75	10.52%	[0.00] ug/L
Cu 324.741†	-152.5	4.23	2.77%	[0.00] ug/L
Fe 238.204†	119.8	29.44	24.57%	[0.00] ug/L
K 766.490†	2484.8	96.75	3.89%	[0.00] mg/L
Li 670.784†	2036.0	38.29	1.88%	[0.00] ug/L
Mg 279.071†	107.3	84.99	79.22%	[0.00] mg/L
Mn 257.610†	97.5	61.70	63.30%	[0.00] ug/L
Mo 202.031†	3.4	5.67	164.87%	[0.00] ug/L
Na 589.592†	761.7	27.05	3.55%	[0.00] mg/L
Ni 231.604†	-9.9	4.99	50.64%	[0.00] ug/L
Pb 220.353†	-76.6	11.41	14.88%	[0.00] ug/L
Sb 217.584†	5.2	4.36	84.57%	[0.00] ug/L
Se 196.026†	-6.3	1.16	18.50%	[0.00] ug/L
Si 251.611†	507.6	4.45	0.88%	[0.00] ug/L
Sn 189.927†	-1.3	1.49	116.13%	[0.00] ug/L
Sr 407.771†	1749.3	13.29	0.76%	[0.00] ug/L
Ti 334.946†	1296.1	33.43	2.58%	[0.00] ug/L
Tl 190.801†	-3.0	2.06	68.99%	[0.00] ug/L
V 292.395†	-116.9	24.66	21.10%	[0.00] ug/L
Zn 206.200†	69.4	0.22	0.31%	[0.00] ug/L

Sequence No.: 3 **Autosampler Location: 2**
Sample ID: 2E07042-CAL2 **Date Collected: 5/7/2012 11:42:03 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2E07042-CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	517853.8	517853.8	95.72	%	11:43:12
1	Y 371.029	654844.4	654844.4	95.27	%	11:43:12
1	Ag 328.068†	-149.8	260.2	[5.00]	ug/L	11:43:17
1	Al 396.146†	1721.8	1363.1	[50.00]	ug/L	11:43:17
1	As 188.979†	53.5	45.3	[100.00]	ug/L	11:43:37
1	B 249.769†	2723.9	2397.0	[50.00]	ug/L	11:43:17
1	Ba 455.403†	6929.1	6904.3	[10.00]	ug/L	11:43:17
1	Be 234.863†	510.8	369.4	[1.00]	ug/L	11:43:37
1	Ca 315.874†	11032.5	11601.6	[0.500]	mg/L	11:43:17
1	Cd 214.436†	44.2	88.2	[5.00]	ug/L	11:43:37
1	Co 228.616†	50.2	85.3	[10.00]	ug/L	11:43:37
1	Cr 205.563†	99.9	59.2	[10.00]	ug/L	11:43:37
1	Cu 324.741†	11.2	164.2	[10.00]	ug/L	11:43:17
1	Fe 238.204†	325.3	220.0	[10.00]	ug/L	11:43:37
1	K 766.490†	3062.2	714.2	[0.100]	mg/L	11:43:12
1	Li 670.784†	4313.5	2470.2	[8.00]	ug/L	11:43:12
1	Mg 279.071†	2057.9	2042.5	[0.500]	mg/L	11:43:17
1	Mn 257.610†	2067.9	2062.8	[10.00]	ug/L	11:43:17
1	Na 589.592†	7916.6	7508.4	[0.500]	mg/L	11:43:17
1	Ni 231.604†	87.5	101.3	[10.00]	ug/L	11:43:37
1	Pb 220.353†	24.5	102.3	[50.00]	ug/L	11:43:37
1	Sb 217.584†	63.3	60.9	[100.00]	ug/L	11:43:37
1	Se 196.026†	41.9	50.1	[100.00]	ug/L	11:43:37
1	Si 251.611†	1185.9	731.3	[100.00]	ug/L	11:43:17
1	Sn 189.927†	37.9	40.9	[100.00]	ug/L	11:43:37
1	Sr 407.771†	146437.3	151228.0	[50.00]	ug/L	11:43:12
1	Tl 190.801†	11.8	15.3	[100.00]	ug/L	11:43:37
1	V 292.395†	336.9	468.8	[10.00]	ug/L	11:43:17
1	Zn 206.200†	140.9	77.8	[10.00]	ug/L	11:43:37
2	Sc 357.234	520606.2	520606.2	96.23	%	11:43:42
2	Y 371.029	659371.7	659371.7	95.93	%	11:43:42
2	Ag 328.068†	-146.7	264.3	[5.00]	ug/L	11:43:48
2	Al 396.146†	1586.1	1212.6	[50.00]	ug/L	11:43:48
2	As 188.979†	45.4	36.5	[100.00]	ug/L	11:44:08
2	B 249.769†	2715.3	2373.1	[50.00]	ug/L	11:43:48

2	Ba 455.403†	6936.8	6873.9	[10.00] ug/L	11:43:48
2	Be 234.863†	510.2	365.9	[1.00] ug/L	11:44:08
2	Ca 315.874†	11037.0	11545.3	[0.500] mg/L	11:43:48
2	Cd 214.436†	52.6	96.7	[5.00] ug/L	11:44:08
2	Co 228.616†	44.0	78.6	[10.00] ug/L	11:44:08
2	Cr 205.563†	106.9	65.9	[10.00] ug/L	11:44:08
2	Cu 324.741†	11.5	164.5	[10.00] ug/L	11:43:48
2	Fe 238.204†	305.4	197.6	[10.00] ug/L	11:44:08
2	K 766.490†	3199.3	839.6	[0.100] mg/L	11:43:42
2	Li 670.784†	4619.3	2764.1	[8.00] ug/L	11:43:42
2	Mg 279.071†	2056.2	2029.4	[0.500] mg/L	11:43:48
2	Mn 257.610†	2052.6	2035.5	[10.00] ug/L	11:43:48
2	Na 589.592†	8045.2	7598.3	[0.500] mg/L	11:43:48
2	Ni 231.604†	87.9	101.2	[10.00] ug/L	11:44:08
2	Pb 220.353†	9.3	86.4	[50.00] ug/L	11:44:08
2	Sb 217.584†	52.3	49.2	[100.00] ug/L	11:44:08
2	Se 196.026†	32.4	39.9	[100.00] ug/L	11:44:08
2	Si 251.611†	1217.3	757.3	[100.00] ug/L	11:43:48
2	Sn 189.927†	36.1	38.8	[100.00] ug/L	11:44:08
2	Sr 407.771†	146335.6	150313.5	[50.00] ug/L	11:43:42
2	Tl 190.801†	14.5	18.0	[100.00] ug/L	11:44:08
2	V 292.395†	391.3	523.5	[10.00] ug/L	11:43:48
2	Zn 206.200†	136.8	72.7	[10.00] ug/L	11:44:08

Mean Data: 2E07042-CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	519230.0	1946.27	0.37%	95.98	%
Y 371.029	657108.1	3201.28	0.49%	95.60	%
Ag 328.068†	262.3	2.90	1.11%	[5.00]	ug/L
Al 396.146†	1287.8	106.42	8.26%	[50.00]	ug/L
As 188.979†	40.9	6.21	15.16%	[100.00]	ug/L
B 249.769†	2385.0	16.92	0.71%	[50.00]	ug/L
Ba 455.403†	6889.1	21.46	0.31%	[10.00]	ug/L
Be 234.863†	367.7	2.45	0.67%	[1.00]	ug/L
Ca 315.874†	11573.4	39.80	0.34%	[0.500]	mg/L
Cd 214.436†	92.5	6.02	6.51%	[5.00]	ug/L
Co 228.616†	82.0	4.75	5.80%	[10.00]	ug/L
Cr 205.563†	62.5	4.75	7.60%	[10.00]	ug/L
Cu 324.741†	164.4	0.21	0.13%	[10.00]	ug/L
Fe 238.204†	208.8	15.88	7.61%	[10.00]	ug/L
K 766.490†	776.9	88.72	11.42%	[0.100]	mg/L
Li 670.784†	2617.1	207.85	7.94%	[8.00]	ug/L
Mg 279.071†	2036.0	9.29	0.46%	[0.500]	mg/L
Mn 257.610†	2049.1	19.30	0.94%	[10.00]	ug/L
Na 589.592†	7553.4	63.56	0.84%	[0.500]	mg/L
Ni 231.604†	101.2	0.02	0.02%	[10.00]	ug/L
Pb 220.353†	94.3	11.25	11.93%	[50.00]	ug/L
Sb 217.584†	55.1	8.29	15.06%	[100.00]	ug/L
Se 196.026†	45.0	7.20	15.99%	[100.00]	ug/L
Si 251.611†	744.3	18.42	2.47%	[100.00]	ug/L
Sn 189.927†	39.8	1.46	3.66%	[100.00]	ug/L
Sr 407.771†	150770.8	646.64	0.43%	[50.00]	ug/L
Tl 190.801†	16.7	1.92	11.50%	[100.00]	ug/L
V 292.395†	496.1	38.67	7.79%	[10.00]	ug/L
Zn 206.200†	75.2	3.61	4.79%	[10.00]	ug/L

Sequence No.: 4
Sample ID: 2E07042-CAL3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/7/2012 11:45:21 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	544011.8	544011.8	100.6	%	11:46:30
1	Y 371.029	690706.2	690706.2	100.5	%	11:46:30
1	Ag 328.068†	3556.9	3953.8	[100.00]	ug/L	11:46:30

1	Al 396.146†	7099.6	6624.5	[500.00]	ug/L	11:46:30
1	As 188.979†	172.8	161.2	[500.00]	ug/L	11:46:51
1	B 249.769†	4296.5	3824.0	[100.00]	ug/L	11:46:30
1	Ba 455.403†	50250.2	49636.0	[100.00]	ug/L	11:46:30
1	Be 234.863†	2976.6	2795.8	[10.00]	ug/L	11:46:51
1	Ca 315.874†	16518.0	16502.3	[1.00]	mg/L	11:46:30
1	Cd 214.436†	1609.3	1642.4	[100.00]	ug/L	11:46:51
1	Co 228.616†	659.6	688.7	[100.00]	ug/L	11:46:51
1	Cr 205.563†	586.9	538.4	[100.00]	ug/L	11:46:51
1	Cu 324.741†	1186.3	1332.2	[100.00]	ug/L	11:46:30
1	Fe 238.204†	1509.6	1381.3	[100.00]	ug/L	11:46:51
1	K 766.490†	7982.5	5453.2	[1.00]	mg/L	11:46:30
1	Li 670.784†	24917.8	22743.0	[100.00]	ug/L	11:46:30
1	Mg 279.071†	3312.8	3187.1	[1.00]	mg/L	11:46:30
1	Mn 257.610†	15191.5	15009.4	[100.00]	ug/L	11:46:30
1	Mo 202.031†	315.3	310.1	[100.00]	ug/L	11:46:51
1	Na 589.592†	12527.6	11696.1	[1.00]	mg/L	11:46:30
1	Ni 231.604†	838.0	843.2	[100.00]	ug/L	11:46:51
1	Pb 220.353†	58.1	134.5	[100.00]	ug/L	11:46:51
1	Sb 217.584†	226.3	219.9	[500.00]	ug/L	11:46:51
1	Se 196.026†	167.3	172.7	[500.00]	ug/L	11:46:51
1	Si 251.611†	3785.1	3256.3	[500.00]	ug/L	11:46:51
1	Sn 189.927†	202.5	202.7	[500.00]	ug/L	11:46:51
1	Sr 407.771†	222459.1	219470.7	[100.00]	ug/L	11:46:30
1	Ti 334.946†	20710.3	19298.8	[100.00]	ug/L	11:46:30
1	Tl 190.801†	77.4	79.9	[500.00]	ug/L	11:46:51
1	V 292.395†	3778.4	3874.2	[100.00]	ug/L	11:46:30
1	Zn 206.200†	706.4	633.1	[100.00]	ug/L	11:46:51
2	Sc 357.234	537667.0	537667.0	99.39	%	11:46:57
2	Y 371.029	682032.2	682032.2	99.22	%	11:46:57
2	Ag 328.068†	3540.3	3978.9	[100.00]	ug/L	11:46:57
2	Al 396.146†	7068.4	6676.4	[500.00]	ug/L	11:46:57
2	As 188.979†	163.9	154.3	[500.00]	ug/L	11:47:17
2	B 249.769†	4307.5	3885.6	[100.00]	ug/L	11:46:57
2	Ba 455.403†	50200.8	50176.0	[100.00]	ug/L	11:46:57
2	Be 234.863†	2964.1	2818.1	[10.00]	ug/L	11:47:17
2	Ca 315.874†	16436.7	16614.4	[1.00]	mg/L	11:46:57
2	Cd 214.436†	1634.4	1686.5	[100.00]	ug/L	11:47:17
2	Co 228.616†	648.8	685.6	[100.00]	ug/L	11:47:17
2	Cr 205.563†	592.1	550.5	[100.00]	ug/L	11:47:17
2	Cu 324.741†	1164.6	1324.3	[100.00]	ug/L	11:46:57
2	Fe 238.204†	1508.3	1397.7	[100.00]	ug/L	11:47:17
2	K 766.490†	8054.6	5619.5	[1.00]	mg/L	11:46:57
2	Li 670.784†	25106.8	23225.6	[100.00]	ug/L	11:46:57
2	Mg 279.071†	3228.2	3140.9	[1.00]	mg/L	11:46:57
2	Mn 257.610†	15149.7	15145.6	[100.00]	ug/L	11:46:57
2	Mo 202.031†	311.9	310.4	[100.00]	ug/L	11:47:17
2	Na 589.592†	12329.6	11643.9	[1.00]	mg/L	11:46:57
2	Ni 231.604†	849.5	864.6	[100.00]	ug/L	11:47:17
2	Pb 220.353†	73.6	150.7	[100.00]	ug/L	11:47:17
2	Sb 217.584†	226.0	222.3	[500.00]	ug/L	11:47:17
2	Se 196.026†	171.2	178.5	[500.00]	ug/L	11:47:17
2	Si 251.611†	3791.3	3307.1	[500.00]	ug/L	11:47:17
2	Sn 189.927†	197.3	199.8	[500.00]	ug/L	11:47:17
2	Sr 407.771†	222513.6	222136.1	[100.00]	ug/L	11:46:57
2	Ti 334.946†	20846.3	19678.7	[100.00]	ug/L	11:46:57
2	Tl 190.801†	86.6	90.1	[500.00]	ug/L	11:47:17
2	V 292.395†	3691.0	3830.6	[100.00]	ug/L	11:46:57
2	Zn 206.200†	700.2	635.1	[100.00]	ug/L	11:47:17

Mean Data: 2E07042-CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	540839.4	4486.43	0.83%	99.97	%
Y 371.029	686369.2	6133.46	0.89%	99.86	%
Ag 328.068†	3966.4	17.73	0.45%	[100.00]	ug/L
Al 396.146†	6650.4	36.68	0.55%	[500.00]	ug/L
As 188.979†	157.7	4.90	3.11%	[500.00]	ug/L
B 249.769†	3854.8	43.50	1.13%	[100.00]	ug/L
Ba 455.403†	49906.0	381.84	0.77%	[100.00]	ug/L
Be 234.863†	2806.9	15.80	0.56%	[10.00]	ug/L

Ca 315.874†	16558.3	79.21	0.48%	[1.00]	mg/L
Cd 214.436†	1664.4	31.23	1.88%	[100.00]	ug/L
Co 228.616†	687.2	2.21	0.32%	[100.00]	ug/L
Cr 205.563†	544.5	8.56	1.57%	[100.00]	ug/L
Cu 324.741†	1328.2	5.57	0.42%	[100.00]	ug/L
Fe 238.204†	1389.5	11.60	0.83%	[100.00]	ug/L
K 766.490†	5536.3	117.57	2.12%	[1.00]	mg/L
Li 670.784†	22984.3	341.22	1.48%	[100.00]	ug/L
Mg 279.071†	3164.0	32.69	1.03%	[1.00]	mg/L
Mn 257.610†	15077.5	96.29	0.64%	[100.00]	ug/L
Mo 202.031†	310.2	0.19	0.06%	[100.00]	ug/L
Na 589.592†	11670.0	36.92	0.32%	[1.00]	mg/L
Ni 231.604†	853.9	15.15	1.77%	[100.00]	ug/L
Pb 220.353†	142.6	11.50	8.07%	[100.00]	ug/L
Sb 217.584†	221.1	1.69	0.76%	[500.00]	ug/L
Se 196.026†	175.6	4.13	2.35%	[500.00]	ug/L
Si 251.611†	3281.7	35.86	1.09%	[500.00]	ug/L
Sn 189.927†	201.3	2.00	0.99%	[500.00]	ug/L
Sr 407.771†	220803.4	1884.72	0.85%	[100.00]	ug/L
Ti 334.946†	19488.8	268.61	1.38%	[100.00]	ug/L
Tl 190.801†	85.0	7.20	8.47%	[500.00]	ug/L
V 292.395†	3852.4	30.81	0.80%	[100.00]	ug/L
Zn 206.200†	634.1	1.41	0.22%	[100.00]	ug/L

Sequence No.: 5
Sample ID: 2E07042-CAL4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/7/2012 11:48:30 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	512980.5	512980.5	94.82	%	11:49:42
1	Y 371.029	651179.8	651179.8	94.74	%	11:49:42
1	Ag 328.068†	19456.8	20935.6	[500.00]	ug/L	11:49:47
1	Al 396.146†	32812.6	34168.1	[2500.00]	ug/L	11:49:47
1	As 188.979†	820.2	854.4	[2500.00]	ug/L	11:50:07
1	B 249.769†	19678.1	20303.8	[500.00]	ug/L	11:49:47
1	Ba 455.403†	255968.6	269606.5	[500.00]	ug/L	11:49:42
1	Be 234.863†	14233.6	14846.3	[50.00]	ug/L	11:49:47
1	Ca 315.874†	82736.3	87328.8	[5.00]	mg/L	11:49:47
1	Cd 214.436†	8362.2	8860.7	[500.00]	ug/L	11:49:47
1	Co 228.616†	3503.7	3727.8	[500.00]	ug/L	11:50:07
1	Cr 205.563†	2895.0	3007.8	[500.00]	ug/L	11:50:07
1	Cu 324.741†	6900.2	7429.4	[500.00]	ug/L	11:49:47
1	Fe 238.204†	7094.4	7361.8	[500.00]	ug/L	11:49:47
1	K 766.490†	30434.9	29611.4	[5.00]	mg/L	11:49:42
1	Li 670.784†	118142.7	122555.5	[500.00]	ug/L	11:49:42
1	Mg 279.071†	16251.6	17031.4	[5.00]	mg/L	11:49:47
1	Mn 257.610†	78174.2	82343.9	[500.00]	ug/L	11:49:47
1	Mo 202.031†	1569.0	1651.2	[500.00]	ug/L	11:50:07
1	Na 589.592†	59875.1	62381.7	[5.00]	mg/L	11:49:42
1	Ni 231.604†	4449.5	4702.2	[500.00]	ug/L	11:49:47
1	Pb 220.353†	631.1	742.2	[500.00]	ug/L	11:50:07
1	Sb 217.584†	1123.8	1180.0	[2500.00]	ug/L	11:50:07
1	Se 196.026†	910.2	966.2	[2500.00]	ug/L	11:50:07
1	Si 251.611†	16795.3	17204.5	[2500.00]	ug/L	11:49:47
1	Sn 189.927†	1036.5	1094.4	[2500.00]	ug/L	11:50:07
1	Sr 407.771†	1122629.4	1182159.5	[500.00]	ug/L	11:49:42
1	Ti 334.946†	102993.9	107319.8	[500.00]	ug/L	11:49:47
1	Tl 190.801†	398.2	422.9	[2500.00]	ug/L	11:50:07
1	V 292.395†	20042.3	21253.2	[500.00]	ug/L	11:49:47
1	Zn 206.200†	3221.9	3328.3	[500.00]	ug/L	11:50:07
2	Sc 357.234	513213.9	513213.9	94.87	%	11:50:15
2	Y 371.029	652011.9	652011.9	94.86	%	11:50:15
2	Ag 328.068†	19416.1	20883.3	[500.00]	ug/L	11:50:20
2	Al 396.146†	32735.0	34070.6	[2500.00]	ug/L	11:50:20
2	As 188.979†	813.8	847.3	[2500.00]	ug/L	11:50:40
2	B 249.769†	19699.0	20316.3	[500.00]	ug/L	11:50:20

2	Ba 455.403†	256312.1	269845.7	[500.00] ug/L	11:50:15
2	Be 234.863†	14187.1	14790.4	[50.00] ug/L	11:50:20
2	Ca 315.874†	82308.1	86837.8	[5.00] mg/L	11:50:20
2	Cd 214.436†	8342.4	8835.8	[500.00] ug/L	11:50:20
2	Co 228.616†	3522.1	3745.5	[500.00] ug/L	11:50:40
2	Cr 205.563†	2899.8	3011.5	[500.00] ug/L	11:50:40
2	Cu 324.741†	6907.6	7433.9	[500.00] ug/L	11:50:20
2	Fe 238.204†	7115.8	7381.0	[500.00] ug/L	11:50:20
2	K 766.490†	30451.7	29614.5	[5.00] mg/L	11:50:15
2	Li 670.784†	118385.9	122755.2	[500.00] ug/L	11:50:15
2	Mg 279.071†	16285.7	17059.6	[5.00] mg/L	11:50:20
2	Mn 257.610†	77722.2	81830.0	[500.00] ug/L	11:50:20
2	Mo 202.031†	1583.0	1665.2	[500.00] ug/L	11:50:40
2	Na 589.592†	59797.7	62271.3	[5.00] mg/L	11:50:15
2	Ni 231.604†	4321.0	4564.7	[500.00] ug/L	11:50:20
2	Pb 220.353†	627.3	737.8	[500.00] ug/L	11:50:40
2	Sb 217.584†	1148.4	1205.4	[2500.00] ug/L	11:50:40
2	Se 196.026†	907.2	962.6	[2500.00] ug/L	11:50:40
2	Si 251.611†	16716.1	17112.9	[2500.00] ug/L	11:50:20
2	Sn 189.927†	1044.3	1102.1	[2500.00] ug/L	11:50:40
2	Sr 407.771†	1124046.2	1183114.5	[500.00] ug/L	11:50:15
2	Ti 334.946†	102614.6	106870.6	[500.00] ug/L	11:50:20
2	Tl 190.801†	402.0	426.7	[2500.00] ug/L	11:50:40
2	V 292.395†	19768.5	20955.0	[500.00] ug/L	11:50:20
2	Zn 206.200†	3217.7	3322.4	[500.00] ug/L	11:50:40

Mean Data: 2E07042-CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	513097.2	165.06	0.03%	94.85	%
Y 371.029	651595.8	588.36	0.09%	94.80	%
Ag 328.068†	20909.5	36.96	0.18%	[500.00]	ug/L
Al 396.146†	34119.4	68.97	0.20%	[2500.00]	ug/L
As 188.979†	850.8	5.01	0.59%	[2500.00]	ug/L
B 249.769†	20310.0	8.89	0.04%	[500.00]	ug/L
Ba 455.403†	269726.1	169.16	0.06%	[500.00]	ug/L
Be 234.863†	14818.3	39.48	0.27%	[50.00]	ug/L
Ca 315.874†	87083.3	347.23	0.40%	[5.00]	mg/L
Cd 214.436†	8848.2	17.61	0.20%	[500.00]	ug/L
Co 228.616†	3736.7	12.54	0.34%	[500.00]	ug/L
Cr 205.563†	3009.7	2.59	0.09%	[500.00]	ug/L
Cu 324.741†	7431.6	3.14	0.04%	[500.00]	ug/L
Fe 238.204†	7371.4	13.61	0.18%	[500.00]	ug/L
K 766.490†	29612.9	2.21	0.01%	[5.00]	mg/L
Li 670.784†	122655.4	141.19	0.12%	[500.00]	ug/L
Mg 279.071†	17045.5	19.93	0.12%	[5.00]	mg/L
Mn 257.610†	82086.9	363.39	0.44%	[500.00]	ug/L
Mo 202.031†	1658.2	9.91	0.60%	[500.00]	ug/L
Na 589.592†	62326.5	78.00	0.13%	[5.00]	mg/L
Ni 231.604†	4633.5	97.27	2.10%	[500.00]	ug/L
Pb 220.353†	740.0	3.07	0.41%	[500.00]	ug/L
Sb 217.584†	1192.7	17.97	1.51%	[2500.00]	ug/L
Se 196.026†	964.4	2.56	0.27%	[2500.00]	ug/L
Si 251.611†	17158.7	64.80	0.38%	[2500.00]	ug/L
Sn 189.927†	1098.2	5.44	0.49%	[2500.00]	ug/L
Sr 407.771†	1182637.0	675.28	0.06%	[500.00]	ug/L
Ti 334.946†	107095.2	317.63	0.30%	[500.00]	ug/L
Tl 190.801†	424.8	2.67	0.63%	[2500.00]	ug/L
V 292.395†	21104.1	210.86	1.00%	[500.00]	ug/L
Zn 206.200†	3325.4	4.16	0.13%	[500.00]	ug/L

Sequence No.: 6
Sample ID: 2E07042-CAL5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/7/2012 11:51:54 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-CAL5

	Net	Corrected	Calib.	Analysis

Repl#	Analyte	Intensity	Intensity	Conc.	Units	Time
1	Sc 357.234	509142.9	509142.9	94.11	%	11:53:08
1	Y 371.029	645753.4	645753.4	93.95	%	11:53:08
1	Ag 328.068†	39096.3	41957.9	[1000.00]	ug/L	11:53:13
1	Al 396.146†	63748.1	67298.9	[5000.00]	ug/L	11:53:13
1	As 188.979†	1624.8	1715.8	[5000.00]	ug/L	11:53:34
1	B 249.769†	38473.2	40430.6	[1000.00]	ug/L	11:53:13
1	Ba 455.403†	505583.2	536865.2	[1000.00]	ug/L	11:53:08
1	Be 234.863†	28215.6	29815.8	[100.00]	ug/L	11:53:13
1	Ca 315.874†	163570.5	173875.7	[10.00]	mg/L	11:53:13
1	Cd 214.436†	16973.1	18076.5	[1000.00]	ug/L	11:53:34
1	Ce 413.764†	6853.1	7183.9	[1000.00]	ug/L	11:53:13
1	Co 228.616†	6994.8	7465.0	[1000.00]	ug/L	11:53:34
1	Cr 205.563†	5716.8	6029.1	[1000.00]	ug/L	11:53:34
1	Cu 324.741†	13825.3	14842.4	[1000.00]	ug/L	11:53:13
1	Fe 238.204†	14540.5	15330.0	[1000.00]	ug/L	11:53:34
1	K 766.490†	57961.2	59100.9	[10.00]	mg/L	11:53:13
1	Li 670.784†	232399.3	244896.3	[1000.00]	ug/L	11:53:08
1	Mg 279.071†	32146.2	34049.2	[10.00]	mg/L	11:53:13
1	Mn 257.610†	155168.4	164774.3	[1000.00]	ug/L	11:53:13
1	Mo 202.031†	3134.1	3326.6	[1000.00]	ug/L	11:53:34
1	Na 589.592†	118474.8	125121.8	[10.00]	mg/L	11:53:13
1	Ni 231.604†	8873.1	9437.9	[1000.00]	ug/L	11:53:34
1	Pb 220.353†	1321.7	1481.0	[1000.00]	ug/L	11:53:34
1	Sb 217.584†	2250.6	2386.2	[5000.00]	ug/L	11:53:34
1	Se 196.026†	1771.8	1888.9	[5000.00]	ug/L	11:53:34
1	Si 251.611†	32681.9	34218.0	[5000.00]	ug/L	11:53:13
1	Sn 189.927†	2079.3	2210.6	[5000.00]	ug/L	11:53:34
1	Sr 407.771†	2215434.2	2352225.6	[1000.00]	ug/L	11:53:08
1	Ti 334.946†	202735.9	214117.8	[1000.00]	ug/L	11:53:13
1	Tl 190.801†	782.9	834.9	[5000.00]	ug/L	11:53:34
1	V 292.395†	39836.7	42444.7	[1000.00]	ug/L	11:53:13
1	Zn 206.200†	6339.7	6666.7	[1000.00]	ug/L	11:53:34
2	Sc 357.234	515359.7	515359.7	95.26	%	11:53:42
2	Y 371.029	655059.8	655059.8	95.30	%	11:53:42
2	Ag 328.068†	39465.5	41844.3	[1000.00]	ug/L	11:53:48
2	Al 396.146†	64113.6	66865.6	[5000.00]	ug/L	11:53:48
2	As 188.979†	1620.8	1690.7	[5000.00]	ug/L	11:54:08
2	B 249.769†	39073.4	40567.5	[1000.00]	ug/L	11:53:48
2	Ba 455.403†	508978.8	533949.4	[1000.00]	ug/L	11:53:42
2	Be 234.863†	28449.1	29699.3	[100.00]	ug/L	11:53:48
2	Ca 315.874†	164379.6	172628.4	[10.00]	mg/L	11:53:48
2	Cd 214.436†	17024.6	17913.0	[1000.00]	ug/L	11:54:08
2	Ce 413.764†	6972.7	7221.6	[1000.00]	ug/L	11:53:48
2	Co 228.616†	6967.1	7346.4	[1000.00]	ug/L	11:54:08
2	Cr 205.563†	5720.4	5959.7	[1000.00]	ug/L	11:54:08
2	Cu 324.741†	14005.5	14854.3	[1000.00]	ug/L	11:53:48
2	Fe 238.204†	14564.8	15169.1	[1000.00]	ug/L	11:54:08
2	K 766.490†	58535.9	58961.3	[10.00]	mg/L	11:53:48
2	Li 670.784†	233564.7	243140.9	[1000.00]	ug/L	11:53:42
2	Mg 279.071†	32444.4	33950.1	[10.00]	mg/L	11:53:48
2	Mn 257.610†	156301.6	163975.0	[1000.00]	ug/L	11:53:48
2	Mo 202.031†	3165.8	3319.8	[1000.00]	ug/L	11:54:08
2	Na 589.592†	119094.2	124253.5	[10.00]	mg/L	11:53:48
2	Ni 231.604†	8905.5	9358.1	[1000.00]	ug/L	11:54:08
2	Pb 220.353†	1307.7	1449.4	[1000.00]	ug/L	11:54:08
2	Sb 217.584†	2256.7	2363.8	[5000.00]	ug/L	11:54:08
2	Se 196.026†	1801.2	1897.0	[5000.00]	ug/L	11:54:08
2	Si 251.611†	33086.2	34223.5	[5000.00]	ug/L	11:53:48
2	Sn 189.927†	2080.2	2184.9	[5000.00]	ug/L	11:54:08
2	Sr 407.771†	2228898.2	2337963.3	[1000.00]	ug/L	11:53:42
2	Ti 334.946†	204562.4	213436.5	[1000.00]	ug/L	11:53:48
2	Tl 190.801†	794.2	836.6	[5000.00]	ug/L	11:54:08
2	V 292.395†	40252.2	42370.3	[1000.00]	ug/L	11:53:48
2	Zn 206.200†	6356.0	6602.6	[1000.00]	ug/L	11:54:08

Mean Data: 2E07042-CAL5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Sc 357.234	512251.3	4395.90	0.86%	94.69	%
Y 371.029	650406.6	6580.59	1.01%	94.62	%

Ag 328.068†	41901.1	80.31	0.19%	[1000.00]	ug/L
Al 396.146†	67082.2	306.43	0.46%	[5000.00]	ug/L
As 188.979†	1703.3	17.75	1.04%	[5000.00]	ug/L
B 249.769†	40499.0	96.78	0.24%	[1000.00]	ug/L
Ba 455.403†	535407.3	2061.74	0.39%	[1000.00]	ug/L
Be 234.863†	29757.6	82.42	0.28%	[100.00]	ug/L
Ca 315.874†	173252.0	881.96	0.51%	[10.00]	mg/L
Cd 214.436†	17994.8	115.59	0.64%	[1000.00]	ug/L
Ce 413.764†	7202.7	26.67	0.37%	[1000.00]	ug/L
Co 228.616†	7405.7	83.90	1.13%	[1000.00]	ug/L
Cr 205.563†	5994.4	49.09	0.82%	[1000.00]	ug/L
Cu 324.741†	14848.4	8.40	0.06%	[1000.00]	ug/L
Fe 238.204†	15249.5	113.75	0.75%	[1000.00]	ug/L
K 766.490†	59031.1	98.75	0.17%	[10.00]	mg/L
Li 670.784†	244018.6	1241.26	0.51%	[1000.00]	ug/L
Mg 279.071†	33999.6	70.02	0.21%	[10.00]	mg/L
Mn 257.610†	164374.7	565.22	0.34%	[1000.00]	ug/L
Mo 202.031†	3323.2	4.83	0.15%	[1000.00]	ug/L
Na 589.592†	124687.6	613.94	0.49%	[10.00]	mg/L
Ni 231.604†	9398.0	56.39	0.60%	[1000.00]	ug/L
Pb 220.353†	1465.2	22.37	1.53%	[1000.00]	ug/L
Sb 217.584†	2375.0	15.87	0.67%	[5000.00]	ug/L
Se 196.026†	1893.0	5.75	0.30%	[5000.00]	ug/L
Si 251.611†	34220.8	3.90	0.01%	[5000.00]	ug/L
Sn 189.927†	2197.7	18.12	0.82%	[5000.00]	ug/L
Sr 407.771†	2345094.4	10085.02	0.43%	[1000.00]	ug/L
Ti 334.946†	213777.2	481.73	0.23%	[1000.00]	ug/L
Tl 190.801†	835.7	1.24	0.15%	[5000.00]	ug/L
V 292.395†	42407.5	52.58	0.12%	[1000.00]	ug/L
Zn 206.200†	6634.6	45.33	0.68%	[1000.00]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	4	Lin, Calc Int	-53.4	41.94	0.00000	0.999983	
Al 396.146	4	Lin, Calc Int	260.8	13.40	0.00000	0.999932	
As 188.979	4	Lin, Calc Int	-1.6	0.3408	0.00000	0.999954	
B 249.769	4	Lin, Calc Int	66.1	40.44	0.00000	0.999933	
Ba 455.403	4	Lin, Calc Int	-314.2	536.3	0.00000	0.999955	
Be 234.863	4	Lin, Calc Int	-33.9	297.6	0.00000	0.999976	
Ca 315.874	4	Lin, Calc Int	778.1	17250	0.00000	0.999825	
Cd 214.436	4	Lin, Calc Int	-57.4	18.00	0.00000	0.999949	
Ce 413.764	1	Lin, Calc Int	0.0	7.203	0.00000	1.000000	
Co 228.616	4	Lin, Calc Int	-9.0	7.426	0.00000	0.999955	
Cr 205.563	4	Lin, Calc Int	-13.9	6.013	0.00000	0.999951	
Cu 324.741	4	Lin, Calc Int	-40.2	14.89	0.00000	0.999939	
Fe 238.204	4	Lin, Calc Int	-52.4	15.21	0.00000	0.999819	
K 766.490	4	Lin, Calc Int	-34.2	5909	0.00000	0.999966	
Li 670.784	4	Lin, Calc Int	-116.9	244.3	0.00000	0.999968	
Mg 279.071	4	Lin, Calc Int	43.9	3396	0.00000	0.999900	
Mn 257.610	4	Lin, Calc Int	-279.4	164.6	0.00000	0.999956	
Mo 202.031	3	Lin, Calc Int	-10.4	3.333	0.00000	0.999980	
Na 589.592	4	Lin, Calc Int	187.2	12440	0.00000	0.999898	
Ni 231.604	4	Lin, Calc Int	-31.1	9.405	0.00000	0.999943	
Pb 220.353	4	Lin, Calc Int	6.6	1.460	0.00000	0.999878	
Sb 217.584	4	Lin, Calc Int	-1.7	0.4756	0.00000	0.999959	
Se 196.026	4	Lin, Calc Int	0.5	0.3797	0.00000	0.999904	
Si 251.611	4	Lin, Calc Int	-16.0	6.850	0.00000	0.999986	
Sn 189.927	4	Lin, Calc Int	-7.0	0.4410	0.00000	0.999970	
Sr 407.771	4	Lin, Calc Int	8056.0	2339	0.00000	0.999847	
Ti 334.946	3	Lin, Calc Int	-799.5	214.7	0.00000	0.999959	
Tl 190.801	4	Lin, Calc Int	1.3	0.1674	0.00000	0.999966	
V 292.395	4	Lin, Calc Int	-103.2	42.47	0.00000	0.999952	
Zn 206.200	4	Lin, Calc Int	-4.7	6.642	0.00000	0.999986	

Sequence No.: 7
Sample ID: 2E07042-SCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/7/2012 11:55:22 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-SCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	515051.6	515051.6	95.21	%			11:56:37
1	Y 371.029	653761.9	653761.9	95.11	%			11:56:37
1	Ag 328.068†	19365.1	20756.8	496.651	ug/L	496.651	ug/L	11:56:42
1	Al 396.146†	31359.1	32502.3	2391.97	ug/L	2391.97	ug/L	11:56:42
1	As 188.979†	809.0	839.2	2458.22	ug/L	2458.22	ug/L	11:57:02
1	B 249.769†	19389.8	19917.4	490.226	ug/L	490.226	ug/L	11:56:42
1	Ba 455.403†	251519.9	263848.3	492.542	ug/L	492.542	ug/L	11:56:37
1	Be 234.863†	13837.6	14370.0	48.3348	ug/L	48.3348	ug/L	11:56:42
1	Ca 315.874†	80363.0	84485.3	4.85341	mg/L	4.85341	mg/L	11:56:42
1	Cd 214.436†	8417.9	8883.7	496.776	ug/L	496.776	ug/L	11:57:02
1	Ce 413.764†	103.2	10.6	1.55527	ug/L	1.55527	ug/L	11:56:42
1	Co 228.616†	3450.2	3656.8	493.279	ug/L	493.279	ug/L	11:57:02
1	Cr 205.563†	2872.6	2972.0	495.828	ug/L	495.828	ug/L	11:57:02
1	Cu 324.741†	6799.4	7294.3	493.531	ug/L	493.531	ug/L	11:56:42
1	Fe 238.204†	7136.3	7375.7	488.491	ug/L	488.491	ug/L	11:56:42
1	K 766.490†	29570.4	28574.3	4.84186	mg/L	4.84186	mg/L	11:56:37
1	Li 670.784†	117630.4	121516.5	497.853	ug/L	497.853	ug/L	11:56:37
1	Mg 279.071†	15993.8	16691.7	4.90291	mg/L	4.90291	mg/L	11:56:42
1	Mn 257.610†	77248.6	81040.2	494.311	ug/L	494.311	ug/L	11:56:42
1	Mo 202.031†	1561.4	1636.5	492.991	ug/L	492.991	ug/L	11:57:02
1	Na 589.592†	59251.8	61473.0	4.92552	mg/L	4.92552	mg/L	11:56:37
1	Ni 231.604†	4433.6	4666.7	499.541	ug/L	499.541	ug/L	11:57:02
1	Pb 220.353†	632.2	740.6	504.641	ug/L	504.641	ug/L	11:57:02
1	Sb 217.584†	953.5	996.4	2103.62	ug/L	2103.62	ug/L	11:57:02
1	Se 196.026†	883.9	934.7	2458.48	ug/L	2458.48	ug/L	11:57:02
1	Si 251.611†	17771.3	18158.4	2619.50	ug/L	2619.50	ug/L	11:56:42
1	Sn 189.927†	1037.2	1090.7	2490.72	ug/L	2490.72	ug/L	11:57:02
1	Sr 407.771†	1108878.7	1162955.7	493.319	ug/L	493.319	ug/L	11:56:37
1	Ti 334.946†	101413.9	105223.5	493.763	ug/L	493.763	ug/L	11:56:42
1	Tl 190.801†	393.5	416.3	2481.21	ug/L	2481.21	ug/L	11:57:02
1	V 292.395†	19578.2	20680.7	493.232	ug/L	493.232	ug/L	11:56:42
1	Zn 206.200†	3161.3	3251.0	489.166	ug/L	489.166	ug/L	11:57:02
2	Sc 357.234	514415.3	514415.3	95.09	%			11:57:10
2	Y 371.029	653381.0	653381.0	95.06	%			11:57:10
2	Ag 328.068†	19216.4	20625.6	493.529	ug/L	493.529	ug/L	11:57:15
2	Al 396.146†	31258.1	32436.8	2387.51	ug/L	2387.51	ug/L	11:57:15
2	As 188.979†	819.0	850.7	2492.03	ug/L	2492.03	ug/L	11:57:35
2	B 249.769†	19372.3	19924.2	490.386	ug/L	490.386	ug/L	11:57:15
2	Ba 455.403†	252126.4	264813.0	494.342	ug/L	494.342	ug/L	11:57:10
2	Be 234.863†	13826.5	14376.3	48.3554	ug/L	48.3554	ug/L	11:57:15
2	Ca 315.874†	79867.3	84068.3	4.82924	mg/L	4.82924	mg/L	11:57:15
2	Cd 214.436†	8442.9	8921.0	498.844	ug/L	498.844	ug/L	11:57:35
2	Ce 413.764†	122.1	30.6	4.33193	ug/L	4.33193	ug/L	11:57:15
2	Co 228.616†	3454.7	3665.9	494.510	ug/L	494.510	ug/L	11:57:35
2	Cr 205.563†	2882.4	2986.1	498.164	ug/L	498.164	ug/L	11:57:35
2	Cu 324.741†	6792.5	7295.8	493.628	ug/L	493.628	ug/L	11:57:15
2	Fe 238.204†	7211.1	7463.6	494.271	ug/L	494.271	ug/L	11:57:15
2	K 766.490†	29753.0	28804.7	4.88085	mg/L	4.88085	mg/L	11:57:10
2	Li 670.784†	117863.1	121914.0	499.480	ug/L	499.480	ug/L	11:57:10
2	Mg 279.071†	15940.8	16656.8	4.89262	mg/L	4.89262	mg/L	11:57:15
2	Mn 257.610†	76859.1	80730.9	492.431	ug/L	492.431	ug/L	11:57:15
2	Mo 202.031†	1554.3	1631.1	491.375	ug/L	491.375	ug/L	11:57:35
2	Na 589.592†	59343.7	61646.7	4.93948	mg/L	4.93948	mg/L	11:57:10
2	Ni 231.604†	4473.0	4713.8	504.543	ug/L	504.543	ug/L	11:57:35
2	Pb 220.353†	616.0	724.4	493.512	ug/L	493.512	ug/L	11:57:35
2	Sb 217.584†	953.5	997.6	2106.17	ug/L	2106.17	ug/L	11:57:35
2	Se 196.026†	880.4	932.1	2451.72	ug/L	2451.72	ug/L	11:57:35
2	Si 251.611†	17848.8	18263.0	2634.89	ug/L	2634.89	ug/L	11:57:15
2	Sn 189.927†	1030.3	1084.8	2477.20	ug/L	2477.20	ug/L	11:57:35
2	Sr 407.771†	1111697.1	1167360.3	495.206	ug/L	495.206	ug/L	11:57:10
2	Ti 334.946†	100946.4	104863.6	492.087	ug/L	492.087	ug/L	11:57:15
2	Tl 190.801†	399.5	423.2	2521.93	ug/L	2521.93	ug/L	11:57:35
2	V 292.395†	19515.4	20640.2	492.263	ug/L	492.263	ug/L	11:57:15
2	Zn 206.200†	3172.4	3266.8	491.552	ug/L	491.552	ug/L	11:57:35

Mean Data: 2E07042-SCV1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	514733.5	95.15	%	0.083				0.09%
Y 371.029	653571.4	95.08	%	0.039				0.04%
Ag 328.068†	20691.2	495.090	ug/L	2.2077	495.090	ug/L	2.2077	0.45%
QC value within limits for Ag 328.068 Recovery = 99.02%								
Al 396.146†	32469.6	2389.74	ug/L	3.154	2389.74	ug/L	3.154	0.13%
QC value within limits for Al 396.146 Recovery = 95.59%								
As 188.979†	844.9	2475.12	ug/L	23.910	2475.12	ug/L	23.910	0.97%
QC value within limits for As 188.979 Recovery = 99.00%								
B 249.769†	19920.8	490.306	ug/L	0.1130	490.306	ug/L	0.1130	0.02%
QC value within limits for B 249.769 Recovery = 98.06%								
Ba 455.403†	264330.6	493.442	ug/L	1.2723	493.442	ug/L	1.2723	0.26%
QC value within limits for Ba 455.403 Recovery = 98.69%								
Be 234.863†	14373.1	48.3451	ug/L	0.01459	48.3451	ug/L	0.01459	0.03%
QC value within limits for Be 234.863 Recovery = 96.69%								
Ca 315.874†	84276.8	4.84133	mg/L	0.017094	4.84133	mg/L	0.017094	0.35%
QC value within limits for Ca 315.874 Recovery = 96.83%								
Cd 214.436†	8902.4	497.810	ug/L	1.4622	497.810	ug/L	1.4622	0.29%
QC value within limits for Cd 214.436 Recovery = 99.56%								
Ce 413.764†	20.6	2.94360	ug/L	1.963395	2.94360	ug/L	1.963395	66.70%
Co 228.616†	3661.3	493.895	ug/L	0.8703	493.895	ug/L	0.8703	0.18%
QC value within limits for Co 228.616 Recovery = 98.78%								
Cr 205.563†	2979.1	496.996	ug/L	1.6521	496.996	ug/L	1.6521	0.33%
QC value within limits for Cr 205.563 Recovery = 99.40%								
Cu 324.741†	7295.0	493.579	ug/L	0.0687	493.579	ug/L	0.0687	0.01%
QC value within limits for Cu 324.741 Recovery = 98.72%								
Fe 238.204†	7419.7	491.381	ug/L	4.0874	491.381	ug/L	4.0874	0.83%
QC value within limits for Fe 238.204 Recovery = 98.28%								
K 766.490†	28689.5	4.86135	mg/L	0.027569	4.86135	mg/L	0.027569	0.57%
QC value within limits for K 766.490 Recovery = 97.23%								
Li 670.784†	121715.3	498.666	ug/L	1.1505	498.666	ug/L	1.1505	0.23%
QC value within limits for Li 670.784 Recovery = 99.73%								
Mg 279.071†	16674.2	4.89776	mg/L	0.007274	4.89776	mg/L	0.007274	0.15%
QC value within limits for Mg 279.071 Recovery = 97.96%								
Mn 257.610†	80885.6	493.371	ug/L	1.3294	493.371	ug/L	1.3294	0.27%
QC value within limits for Mn 257.610 Recovery = 98.67%								
Mo 202.031†	1633.8	492.183	ug/L	1.1429	492.183	ug/L	1.1429	0.23%
QC value within limits for Mo 202.031 Recovery = 98.44%								
Na 589.592†	61559.9	4.93250	mg/L	0.009868	4.93250	mg/L	0.009868	0.20%
QC value within limits for Na 589.592 Recovery = 98.65%								
Ni 231.604†	4690.3	502.042	ug/L	3.5370	502.042	ug/L	3.5370	0.70%
QC value within limits for Ni 231.604 Recovery = 100.41%								
Pb 220.353†	732.5	499.077	ug/L	7.8690	499.077	ug/L	7.8690	1.58%
QC value within limits for Pb 220.353 Recovery = 99.82%								
Sb 217.584†	997.0	2104.89	ug/L	1.806	2104.89	ug/L	1.806	0.09%
QC value less than the lower limit for Sb 217.584 Recovery = 84.20%								
Se 196.026†	933.4	2455.10	ug/L	4.782	2455.10	ug/L	4.782	0.19%
QC value within limits for Se 196.026 Recovery = 98.20%								
Si 251.611†	18210.7	2627.19	ug/L	10.879	2627.19	ug/L	10.879	0.41%
QC value within limits for Si 251.611 Recovery = 105.09%								
Sn 189.927†	1087.8	2483.96	ug/L	9.561	2483.96	ug/L	9.561	0.38%
QC value within limits for Sn 189.927 Recovery = 99.36%								
Sr 407.771†	1165158.0	494.262	ug/L	1.3348	494.262	ug/L	1.3348	0.27%
QC value within limits for Sr 407.771 Recovery = 98.85%								
Ti 334.946†	105043.5	492.925	ug/L	1.1850	492.925	ug/L	1.1850	0.24%
QC value within limits for Ti 334.946 Recovery = 98.58%								
Tl 190.801†	419.7	2501.57	ug/L	28.794	2501.57	ug/L	28.794	1.15%
QC value within limits for Tl 190.801 Recovery = 100.06%								
V 292.395†	20660.4	492.748	ug/L	0.6848	492.748	ug/L	0.6848	0.14%
QC value within limits for V 292.395 Recovery = 98.55%								
Zn 206.200†	3258.9	490.359	ug/L	1.6871	490.359	ug/L	1.6871	0.34%
QC value within limits for Zn 206.200 Recovery = 98.07%								

QC Failed. Continue with analysis.

Sequence No.: 8
Sample ID: 2E07042-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/7/2012 11:58:47 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	504576.3	504576.3	93.27	%			11:59:57
1	Y 371.029	635694.7	635694.7	92.48	%			11:59:57
1	Ag 328.068†	-447.6	-63.1	-0.242526	ug/L	-0.242526	ug/L	12:00:02
1	Al 396.146†	455.1	52.3	-16.1798	ug/L	-16.1798	ug/L	12:00:02
1	As 188.979†	13.0	3.3	14.3891	ug/L	14.3891	ug/L	12:00:22
1	B 249.769†	757.6	363.7	7.35229	ug/L	7.35229	ug/L	12:00:02
1	Ba 455.403†	342.0	32.3	0.645293	ug/L	0.645293	ug/L	12:00:02
1	Be 234.863†	157.3	4.4	0.128010	ug/L	0.128010	ug/L	12:00:22
1	Ca 315.874†	-106.7	-38.0	-0.0473180	mg/L	-0.0473180	mg/L	12:00:02
1	Cd 214.436†	-68.8	-31.8	1.42313	ug/L	1.42313	ug/L	12:00:22
1	Ce 413.764†	68.4	-24.5	-3.39311	ug/L	-3.39311	ug/L	12:00:02
1	Co 228.616†	-51.7	-22.6	-1.82053	ug/L	-1.82053	ug/L	12:00:22
1	Cr 205.563†	27.9	-15.2	-0.231418	ug/L	-0.231418	ug/L	12:00:22
1	Cu 324.741†	-139.8	2.7	2.88376	ug/L	2.88376	ug/L	12:00:02
1	Fe 238.204†	150.2	41.2	6.15089	ug/L	6.15089	ug/L	12:00:22
1	K 766.490†	2413.3	102.5	0.0231368	mg/L	0.0231368	mg/L	11:59:57
1	Li 670.784†	2348.1	481.4	2.44939	ug/L	2.44939	ug/L	11:59:57
1	Mg 279.071†	174.3	79.5	0.0105121	mg/L	0.0105121	mg/L	12:00:02
1	Mn 257.610†	99.7	9.5	1.75687	ug/L	1.75687	ug/L	12:00:02
1	Mo 202.031†	14.0	11.5	6.58325	ug/L	6.58325	ug/L	12:00:22
1	Na 589.592†	703.0	-8.0	-0.0156911	mg/L	-0.0156911	mg/L	12:00:02
1	Ni 231.604†	-14.4	-5.6	2.72467	ug/L	2.72467	ug/L	12:00:22
1	Pb 220.353†	-76.5	-5.4	-8.18651	ug/L	-8.18651	ug/L	12:00:22
1	Sb 217.584†	16.3	12.3	29.6930	ug/L	29.6930	ug/L	12:00:22
1	Se 196.026†	-8.5	-2.8	-8.66587	ug/L	-8.66587	ug/L	12:00:22
1	Si 251.611†	595.9	131.3	21.1419	ug/L	21.1419	ug/L	12:00:22
1	Sn 189.927†	3.8	5.3	27.9422	ug/L	27.9422	ug/L	12:00:22
1	Sr 407.771†	1902.1	290.0	-3.31823	ug/L	-3.31823	ug/L	12:00:02
1	Ti 334.946†	1483.7	294.7	5.09590	ug/L	5.09590	ug/L	12:00:02
1	Tl 190.801†	-2.6	0.2	-6.49804	ug/L	-6.49804	ug/L	12:00:22
1	V 292.395†	-141.6	-35.0	1.65897	ug/L	1.65897	ug/L	12:00:02
1	Zn 206.200†	56.5	-8.8	-0.611171	ug/L	-0.611171	ug/L	12:00:22
2	Sc 357.234	503967.4	503967.4	93.16	%			12:00:28
2	Y 371.029	635065.5	635065.5	92.39	%			12:00:28
2	Ag 328.068†	-440.3	-55.9	-0.0622273	ug/L	-0.0622273	ug/L	12:00:34
2	Al 396.146†	489.7	90.1	-12.9913	ug/L	-12.9913	ug/L	12:00:34
2	As 188.979†	7.2	-2.9	-3.89692	ug/L	-3.89692	ug/L	12:00:54
2	B 249.769†	669.3	270.0	5.03142	ug/L	5.03142	ug/L	12:00:34
2	Ba 455.403†	275.5	-38.6	0.513457	ug/L	0.513457	ug/L	12:00:34
2	Be 234.863†	133.2	-21.2	0.0419336	ug/L	0.0419336	ug/L	12:00:54
2	Ca 315.874†	-121.2	-53.7	-0.0482279	mg/L	-0.0482279	mg/L	12:00:34
2	Cd 214.436†	-74.2	-37.6	1.09833	ug/L	1.09833	ug/L	12:00:54
2	Ce 413.764†	81.1	-10.8	-1.49609	ug/L	-1.49609	ug/L	12:00:34
2	Co 228.616†	-45.4	-15.9	-0.925608	ug/L	-0.925608	ug/L	12:00:54
2	Cr 205.563†	26.7	-16.6	-0.448200	ug/L	-0.448200	ug/L	12:00:54
2	Cu 324.741†	-139.3	3.0	2.90958	ug/L	2.90958	ug/L	12:00:34
2	Fe 238.204†	166.0	58.4	7.28205	ug/L	7.28205	ug/L	12:00:54
2	K 766.490†	2410.5	102.7	0.0231584	mg/L	0.0231584	mg/L	12:00:28
2	Li 670.784†	2206.6	332.6	1.84007	ug/L	1.84007	ug/L	12:00:28
2	Mg 279.071†	93.4	-7.0	-0.0149758	mg/L	-0.0149758	mg/L	12:00:34
2	Mn 257.610†	128.6	40.6	1.94534	ug/L	1.94534	ug/L	12:00:34
2	Mo 202.031†	0.8	-2.6	2.34553	ug/L	2.34553	ug/L	12:00:54
2	Na 589.592†	693.1	-17.7	-0.0164723	mg/L	-0.0164723	mg/L	12:00:34
2	Ni 231.604†	-20.6	-12.3	2.00300	ug/L	2.00300	ug/L	12:00:54
2	Pb 220.353†	-68.1	3.6	-2.09043	ug/L	-2.09043	ug/L	12:00:54
2	Sb 217.584†	14.4	10.3	25.4740	ug/L	25.4740	ug/L	12:00:54
2	Se 196.026†	-12.3	-7.0	-19.6557	ug/L	-19.6557	ug/L	12:00:54
2	Si 251.611†	555.3	88.5	14.9229	ug/L	14.9229	ug/L	12:00:54
2	Sn 189.927†	2.2	3.7	24.1744	ug/L	24.1744	ug/L	12:00:54
2	Sr 407.771†	1863.1	250.6	-3.33363	ug/L	-3.33363	ug/L	12:00:34
2	Ti 334.946†	1511.3	326.3	5.24291	ug/L	5.24291	ug/L	12:00:34
2	Tl 190.801†	-1.4	1.4	1.10281	ug/L	1.10281	ug/L	12:00:54
2	V 292.395†	-75.8	35.5	3.28264	ug/L	3.28264	ug/L	12:00:34
2	Zn 206.200†	59.7	-5.3	-0.0858711	ug/L	-0.0858711	ug/L	12:00:54

Mean Data: 2E07042-CCB

	Mean Corrected	Calib.	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Sc 357.234	504271.8	93.21	%	0.080				0.09%
Y 371.029	635380.1	92.44	%	0.065				0.07%
Ag 328.068†	-59.5	-0.152377	ug/L	0.1274903	-0.152377	ug/L	0.1274903	83.67%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	71.2	-14.5856	ug/L	2.25458	-14.5856	ug/L	2.25458	15.46%
QC value within limits for Al 396.146 Recovery = Not calculated								
As 188.979†	0.2	5.24609	ug/L	12.930169	5.24609	ug/L	12.930169	246.47%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	316.8	6.19185	ug/L	1.641100	6.19185	ug/L	1.641100	26.50%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	-3.2	0.579375	ug/L	0.0932225	0.579375	ug/L	0.0932225	16.09%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	-8.4	0.0849718	ug/L	0.06086517	0.0849718	ug/L	0.06086517	71.63%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	-45.9	-0.0477729	mg/L	0.00064340	-0.0477729	mg/L	0.00064340	1.35%
QC value within limits for Ca 315.874 Recovery = Not calculated								
Cd 214.436†	-34.7	1.26073	ug/L	0.229669	1.26073	ug/L	0.229669	18.22%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	-17.6	-2.44460	ug/L	1.341396	-2.44460	ug/L	1.341396	54.87%
Co 228.616†	-19.2	-1.37307	ug/L	0.632808	-1.37307	ug/L	0.632808	46.09%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	-15.9	-0.339809	ug/L	0.1532883	-0.339809	ug/L	0.1532883	45.11%
QC value within limits for Cr 205.563 Recovery = Not calculated								
Cu 324.741†	2.9	2.89667	ug/L	0.018258	2.89667	ug/L	0.018258	0.63%
QC value within limits for Cu 324.741 Recovery = Not calculated								
Fe 238.204†	49.8	6.71647	ug/L	0.799853	6.71647	ug/L	0.799853	11.91%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	102.6	0.0231476	mg/L	0.00001528	0.0231476	mg/L	0.00001528	0.07%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	407.0	2.14473	ug/L	0.430854	2.14473	ug/L	0.430854	20.09%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	36.3	-0.0022319	mg/L	0.01802263	-0.0022319	mg/L	0.01802263	807.52%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	25.0	1.85111	ug/L	0.133267	1.85111	ug/L	0.133267	7.20%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	4.4	4.46439	ug/L	2.996522	4.46439	ug/L	2.996522	67.12%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-12.9	-0.0160817	mg/L	0.00055241	-0.0160817	mg/L	0.00055241	3.44%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-8.9	2.36384	ug/L	0.510299	2.36384	ug/L	0.510299	21.59%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-0.9	-5.13847	ug/L	4.310583	-5.13847	ug/L	4.310583	83.89%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	11.3	27.5835	ug/L	2.98332	27.5835	ug/L	2.98332	10.82%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-4.9	-14.1608	ug/L	7.77097	-14.1608	ug/L	7.77097	54.88%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	109.9	18.0324	ug/L	4.39750	18.0324	ug/L	4.39750	24.39%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	4.5	26.0583	ug/L	2.66421	26.0583	ug/L	2.66421	10.22%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	270.3	-3.32593	ug/L	0.010885	-3.32593	ug/L	0.010885	0.33%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.946†	310.5	5.16941	ug/L	0.103951	5.16941	ug/L	0.103951	2.01%
QC value within limits for Ti 334.946 Recovery = Not calculated								
Tl 190.801†	0.8	-2.69762	ug/L	5.374610	-2.69762	ug/L	5.374610	199.24%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	0.3	2.47080	ug/L	1.148104	2.47080	ug/L	1.148104	46.47%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	-7.1	-0.348521	ug/L	0.3714430	-0.348521	ug/L	0.3714430	106.58%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Sequence No.: 9
Sample ID: 2E07042-CRL1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 5/7/2012 12:02:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-CRL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	518210.6	518210.6	95.79	%			12:03:18
1	Y 371.029	655575.7	655575.7	95.38	%			12:03:18
1	Ag 328.068†	57.4	476.7	12.6232	ug/L	12.6232	ug/L	12:03:18
1	Al 396.146†	2163.4	1822.8	109.299	ug/L	109.299	ug/L	12:03:18
1	As 188.979†	81.0	74.0	219.686	ug/L	219.686	ug/L	12:03:39
1	B 249.769†	4436.7	4183.2	101.785	ug/L	101.785	ug/L	12:03:18
1	Ba 455.403†	10412.9	10536.1	20.2287	ug/L	20.2287	ug/L	12:03:18
1	Be 234.863†	699.3	565.8	2.01218	ug/L	2.01218	ug/L	12:03:39
1	Ca 315.874†	16445.8	17244.8	0.954757	mg/L	0.954757	mg/L	12:03:18
1	Cd 214.436†	116.3	163.4	12.2644	ug/L	12.2644	ug/L	12:03:39
1	Ce 413.764†	25.4	-71.3	-9.91171	ug/L	-9.91171	ug/L	12:03:18
1	Co 228.616†	103.2	140.5	20.1008	ug/L	20.1008	ug/L	12:03:39
1	Cr 205.563†	155.0	116.6	21.5733	ug/L	21.5733	ug/L	12:03:39
1	Cu 324.741†	158.6	318.1	24.3818	ug/L	24.3818	ug/L	12:03:18
1	Fe 238.204†	397.0	294.6	22.8149	ug/L	22.8149	ug/L	12:03:39
1	K 766.490†	3495.5	1164.2	0.202826	mg/L	0.202826	mg/L	12:03:18
1	Li 670.784†	5886.2	4108.8	17.2972	ug/L	17.2972	ug/L	12:03:18
1	Mg 279.071†	3344.7	3384.4	0.983801	mg/L	0.983801	mg/L	12:03:18
1	Mn 257.610†	3188.0	3230.6	21.3764	ug/L	21.3764	ug/L	12:03:18
1	Mo 202.031†	633.9	658.3	200.381	ug/L	200.381	ug/L	12:03:39
1	Na 589.592†	12505.9	12293.7	0.972991	mg/L	0.972991	mg/L	12:03:18
1	Ni 231.604†	150.6	167.0	21.4179	ug/L	21.4179	ug/L	12:03:39
1	Pb 220.353†	62.3	141.7	93.1761	ug/L	93.1761	ug/L	12:03:39
1	Sb 217.584†	103.1	102.5	223.857	ug/L	223.857	ug/L	12:03:39
1	Se 196.026†	66.2	75.4	197.008	ug/L	197.008	ug/L	12:03:39
1	Si 251.611†	1966.5	1545.3	214.533	ug/L	214.533	ug/L	12:03:39
1	Sn 189.927†	78.6	83.3	205.118	ug/L	205.118	ug/L	12:03:39
1	Sr 407.771†	223958.0	232049.9	95.6709	ug/L	95.6709	ug/L	12:03:18
1	Ti 334.946†	40950.0	41453.3	196.777	ug/L	196.777	ug/L	12:03:18
1	Tl 190.801†	29.7	34.0	196.487	ug/L	196.487	ug/L	12:03:39
1	V 292.395†	556.8	698.2	20.4843	ug/L	20.4843	ug/L	12:03:18
1	Zn 206.200†	191.4	130.4	20.2018	ug/L	20.2018	ug/L	12:03:39
2	Sc 357.234	512001.5	512001.5	94.64	%			12:03:45
2	Y 371.029	646731.8	646731.8	94.09	%			12:03:45
2	Ag 328.068†	36.0	454.8	12.1051	ug/L	12.1051	ug/L	12:03:45
2	Al 396.146†	2101.3	1784.7	106.516	ug/L	106.516	ug/L	12:03:45
2	As 188.979†	74.2	67.7	201.392	ug/L	201.392	ug/L	12:04:05
2	B 249.769†	4496.2	4302.2	104.729	ug/L	104.729	ug/L	12:03:45
2	Ba 455.403†	10412.2	10667.2	20.4735	ug/L	20.4735	ug/L	12:03:45
2	Be 234.863†	717.8	594.1	2.10747	ug/L	2.10747	ug/L	12:04:05
2	Ca 315.874†	16364.6	17367.2	0.961854	mg/L	0.961854	mg/L	12:03:45
2	Cd 214.436†	108.5	156.7	11.8920	ug/L	11.8920	ug/L	12:04:05
2	Ce 413.764†	33.8	-62.1	-8.63963	ug/L	-8.63963	ug/L	12:03:45
2	Co 228.616†	110.2	149.3	21.2864	ug/L	21.2864	ug/L	12:04:05
2	Cr 205.563†	137.1	99.7	18.7591	ug/L	18.7591	ug/L	12:04:05
2	Cu 324.741†	158.5	320.0	24.5155	ug/L	24.5155	ug/L	12:03:45
2	Fe 238.204†	393.1	295.6	22.8806	ug/L	22.8806	ug/L	12:04:05
2	K 766.490†	3473.0	1184.8	0.206298	mg/L	0.206298	mg/L	12:03:45
2	Li 670.784†	6026.1	4331.1	18.2069	ug/L	18.2069	ug/L	12:03:45
2	Mg 279.071†	3318.5	3399.1	0.988141	mg/L	0.988141	mg/L	12:03:45
2	Mn 257.610†	3127.7	3207.2	21.2357	ug/L	21.2357	ug/L	12:03:45
2	Mo 202.031†	637.5	670.1	203.923	ug/L	203.923	ug/L	12:04:05
2	Na 589.592†	12416.4	12357.5	0.978116	mg/L	0.978116	mg/L	12:03:45
2	Ni 231.604†	142.2	160.1	20.6897	ug/L	20.6897	ug/L	12:04:05
2	Pb 220.353†	76.2	157.2	103.779	ug/L	103.779	ug/L	12:04:05
2	Sb 217.584†	99.0	99.4	217.461	ug/L	217.461	ug/L	12:04:05
2	Se 196.026†	61.5	71.3	186.136	ug/L	186.136	ug/L	12:04:05
2	Si 251.611†	1962.0	1565.4	217.359	ug/L	217.359	ug/L	12:04:05
2	Sn 189.927†	80.2	86.0	211.155	ug/L	211.155	ug/L	12:04:05
2	Sr 407.771†	222836.7	233700.4	96.3768	ug/L	96.3768	ug/L	12:03:45
2	Ti 334.946†	40751.3	41761.9	198.214	ug/L	198.214	ug/L	12:03:45
2	Tl 190.801†	31.4	36.2	209.639	ug/L	209.639	ug/L	12:04:05
2	V 292.395†	595.8	746.3	21.6488	ug/L	21.6488	ug/L	12:03:45
2	Zn 206.200†	187.2	128.3	19.8928	ug/L	19.8928	ug/L	12:04:05

Mean Data: 2E07042-CRL1

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

Sc 357.234	515106.0	95.22 %	0.812			0.85%
Y 371.029	651153.8	94.73 %	0.910			0.96%
Ag 328.068†	465.7	12.3641 ug/L	0.36637	12.3641 ug/L	0.36637	2.96%
QC value within limits for Ag 328.068 Recovery = 123.64%						
Al 396.146†	1803.7	107.907 ug/L	1.9676	107.907 ug/L	1.9676	1.82%
QC value within limits for Al 396.146 Recovery = 107.91%						
As 188.979†	70.9	210.539 ug/L	12.9355	210.539 ug/L	12.9355	6.14%
QC value within limits for As 188.979 Recovery = 105.27%						
B 249.769†	4242.7	103.257 ug/L	2.0813	103.257 ug/L	2.0813	2.02%
QC value within limits for B 249.769 Recovery = 103.26%						
Ba 455.403†	10601.7	20.3511 ug/L	0.17307	20.3511 ug/L	0.17307	0.85%
QC value within limits for Ba 455.403 Recovery = 101.76%						
Be 234.863†	579.9	2.05983 ug/L	0.067381	2.05983 ug/L	0.067381	3.27%
QC value within limits for Be 234.863 Recovery = 102.99%						
Ca 315.874†	17306.0	0.958306 mg/L	0.0050182	0.958306 mg/L	0.0050182	0.52%
QC value within limits for Ca 315.874 Recovery = 95.83%						
Cd 214.436†	160.1	12.0782 ug/L	0.26332	12.0782 ug/L	0.26332	2.18%
QC value within limits for Cd 214.436 Recovery = 120.78%						
Ce 413.764†	-66.7	-9.27567 ug/L	0.899495	-9.27567 ug/L	0.899495	9.70%
Co 228.616†	144.9	20.6936 ug/L	0.83833	20.6936 ug/L	0.83833	4.05%
QC value within limits for Co 228.616 Recovery = 103.47%						
Cr 205.563†	108.1	20.1662 ug/L	1.98998	20.1662 ug/L	1.98998	9.87%
QC value within limits for Cr 205.563 Recovery = 100.83%						
Cu 324.741†	319.0	24.4487 ug/L	0.09457	24.4487 ug/L	0.09457	0.39%
QC value within limits for Cu 324.741 Recovery = 122.24%						
Fe 238.204†	295.1	22.8478 ug/L	0.04646	22.8478 ug/L	0.04646	0.20%
QC value within limits for Fe 238.204 Recovery = 114.24%						
K 766.490†	1174.5	0.204562 mg/L	0.0024557	0.204562 mg/L	0.0024557	1.20%
QC value within limits for K 766.490 Recovery = 102.28%						
Li 670.784†	4220.0	17.7521 ug/L	0.64327	17.7521 ug/L	0.64327	3.62%
QC value within limits for Li 670.784 Recovery = 110.95%						
Mg 279.071†	3391.7	0.985971 mg/L	0.0030686	0.985971 mg/L	0.0030686	0.31%
QC value within limits for Mg 279.071 Recovery = 98.60%						
Mn 257.610†	3218.9	21.3060 ug/L	0.09952	21.3060 ug/L	0.09952	0.47%
QC value within limits for Mn 257.610 Recovery = 106.53%						
Mo 202.031†	664.2	202.152 ug/L	2.5044	202.152 ug/L	2.5044	1.24%
QC value within limits for Mo 202.031 Recovery = 101.08%						
Na 589.592†	12325.6	0.975554 mg/L	0.0036236	0.975554 mg/L	0.0036236	0.37%
QC value within limits for Na 589.592 Recovery = 97.56%						
Ni 231.604†	163.6	21.0538 ug/L	0.51494	21.0538 ug/L	0.51494	2.45%
QC value within limits for Ni 231.604 Recovery = 105.27%						
Pb 220.353†	149.4	98.4777 ug/L	7.49761	98.4777 ug/L	7.49761	7.61%
QC value within limits for Pb 220.353 Recovery = 98.48%						
Sb 217.584†	101.0	220.659 ug/L	4.5226	220.659 ug/L	4.5226	2.05%
QC value within limits for Sb 217.584 Recovery = 110.33%						
Se 196.026†	73.4	191.572 ug/L	7.6878	191.572 ug/L	7.6878	4.01%
QC value within limits for Se 196.026 Recovery = 95.79%						
Si 251.611†	1555.4	215.946 ug/L	1.9985	215.946 ug/L	1.9985	0.93%
QC value within limits for Si 251.611 Recovery = 107.97%						
Sn 189.927†	84.7	208.136 ug/L	4.2694	208.136 ug/L	4.2694	2.05%
QC value within limits for Sn 189.927 Recovery = 104.07%						
Sr 407.771†	232875.1	96.0239 ug/L	0.49916	96.0239 ug/L	0.49916	0.52%
QC value within limits for Sr 407.771 Recovery = 96.02%						
Ti 334.946†	41607.6	197.495 ug/L	1.0161	197.495 ug/L	1.0161	0.51%
QC value within limits for Ti 334.946 Recovery = 98.75%						
Tl 190.801†	35.1	203.063 ug/L	9.3006	203.063 ug/L	9.3006	4.58%
QC value within limits for Tl 190.801 Recovery = 101.53%						
V 292.395†	722.3	21.0665 ug/L	0.82342	21.0665 ug/L	0.82342	3.91%
QC value within limits for V 292.395 Recovery = 105.33%						
Zn 206.200†	129.4	20.0473 ug/L	0.21846	20.0473 ug/L	0.21846	1.09%
QC value within limits for Zn 206.200 Recovery = 100.24%						

All analyte(s) passed QC.

Sequence No.: 10 **Autosampler Location: 11**
Sample ID: 2E07042-IFA1 **Date Collected: 5/7/2012 12:05:18 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2E07042-IFA1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	506414.6	506414.6	93.61	%			12:06:28
1	Y 371.029	639775.7	639775.7	93.08	%			12:06:28
1	Ag 328.068†	-523.7	-142.7	-2.12149	ug/L	-2.12149	ug/L	12:06:33
1	Al 396.146†	1231613.9	1315246.8	98122.2	ug/L	98122.2	ug/L	12:06:28
1	As 188.979†	66.5	60.4	54.7507	ug/L	54.7507	ug/L	12:06:54
1	B 249.769†	2891.6	2640.5	7.28447	ug/L	7.28447	ug/L	12:06:33
1	Ba 455.403†	342.0	31.0	0.643859	ug/L	0.643859	ug/L	12:06:33
1	Be 234.863†	1225.1	1144.5	0.347059	ug/L	0.347059	ug/L	12:06:33
1	Ca 315.874†	1572015.7	1679396.0	97.3277	mg/L	97.3277	mg/L	12:06:28
1	Cd 214.436†	48.8	94.2	0.729277	ug/L	0.729277	ug/L	12:06:54
1	Ce 413.764†	98.0	6.9	1.05636	ug/L	1.05636	ug/L	12:06:33
1	Co 228.616†	-34.0	-3.5	-0.418735	ug/L	-0.418735	ug/L	12:06:54
1	Cr 205.563†	32.2	-10.8	-3.19101	ug/L	-3.19101	ug/L	12:06:54
1	Cu 324.741†	-231.5	-94.7	0.851658	ug/L	0.851658	ug/L	12:06:33
1	Fe 238.204†	550112.7	587542.9	38643.4	ug/L	38643.4	ug/L	12:06:28
1	K 766.490†	2308.9	-18.3	0.0026880	mg/L	0.0026880	mg/L	12:06:33
1	Li 670.784†	2236.5	353.1	1.92385	ug/L	1.92385	ug/L	12:06:33
1	Mg 279.071†	314898.9	336286.2	99.0258	mg/L	99.0258	mg/L	12:06:28
1	Mn 257.610†	263.1	183.6	2.82399	ug/L	2.82399	ug/L	12:06:33
1	Mo 202.031†	124.5	129.6	17.8098	ug/L	17.8098	ug/L	12:06:54
1	Na 589.592†	930.5	232.3	0.0036207	mg/L	0.0036207	mg/L	12:06:33
1	Ni 231.604†	-60.8	-55.1	-2.45965	ug/L	-2.45965	ug/L	12:06:54
1	Pb 220.353†	-64.8	7.4	13.3867	ug/L	13.3867	ug/L	12:06:54
1	Sb 217.584†	19.4	15.5	37.3628	ug/L	37.3628	ug/L	12:06:54
1	Se 196.026†	5.2	11.9	-5.48753	ug/L	-5.48753	ug/L	12:06:54
1	Si 251.611†	706.1	246.7	38.8867	ug/L	38.8867	ug/L	12:06:54
1	Sn 189.927†	-11.2	-10.7	21.3074	ug/L	21.3074	ug/L	12:06:54
1	Sr 407.771†	2521.8	944.6	-12.7041	ug/L	-12.7041	ug/L	12:06:33
1	Ti 334.946†	-2408.6	-3869.0	-14.2952	ug/L	-14.2952	ug/L	12:06:33
1	Tl 190.801†	-11.0	-8.7	-59.6522	ug/L	-59.6522	ug/L	12:06:54
1	V 292.395†	39.8	159.4	2.31930	ug/L	2.31930	ug/L	12:06:33
1	Zn 206.200†	124.8	63.8	1.41768	ug/L	1.41768	ug/L	12:06:54
2	Sc 357.234	506353.7	506353.7	93.60	%			12:07:01
2	Y 371.029	639981.1	639981.1	93.11	%			12:07:01
2	Ag 328.068†	-404.4	-15.3	0.905104	ug/L	0.905104	ug/L	12:07:06
2	Al 396.146†	1246383.5	1331184.6	99311.2	ug/L	99311.2	ug/L	12:07:01
2	As 188.979†	72.2	66.6	71.6269	ug/L	71.6269	ug/L	12:07:26
2	B 249.769†	2849.0	2595.3	5.60922	ug/L	5.60922	ug/L	12:07:06
2	Ba 455.403†	385.3	77.3	0.729594	ug/L	0.729594	ug/L	12:07:06
2	Be 234.863†	1232.7	1152.8	0.338921	ug/L	0.338921	ug/L	12:07:06
2	Ca 315.874†	1586718.5	1695306.2	98.2501	mg/L	98.2501	mg/L	12:07:01
2	Cd 214.436†	55.2	101.0	1.02145	ug/L	1.02145	ug/L	12:07:26
2	Ce 413.764†	78.1	-14.4	-1.89472	ug/L	-1.89472	ug/L	12:07:06
2	Co 228.616†	-16.4	15.3	2.10377	ug/L	2.10377	ug/L	12:07:26
2	Cr 205.563†	18.0	-25.9	-5.74698	ug/L	-5.74698	ug/L	12:07:26
2	Cu 324.741†	-196.6	-57.5	3.39466	ug/L	3.39466	ug/L	12:07:06
2	Fe 238.204†	555492.4	593361.2	39026.0	ug/L	39026.0	ug/L	12:07:01
2	K 766.490†	2305.5	-21.6	0.0021204	mg/L	0.0021204	mg/L	12:07:06
2	Li 670.784†	2331.0	454.4	2.33855	ug/L	2.33855	ug/L	12:07:06
2	Mg 279.071†	318037.8	339680.2	100.025	mg/L	100.025	mg/L	12:07:01
2	Mn 257.610†	266.8	187.5	2.84736	ug/L	2.84736	ug/L	12:07:06
2	Mo 202.031†	120.6	125.4	16.3102	ug/L	16.3102	ug/L	12:07:26
2	Na 589.592†	896.8	196.4	0.0007383	mg/L	0.0007383	mg/L	12:07:06
2	Ni 231.604†	-28.0	-20.1	1.25538	ug/L	1.25538	ug/L	12:07:26
2	Pb 220.353†	-84.1	-13.3	-0.574224	ug/L	-0.574224	ug/L	12:07:26
2	Sb 217.584†	28.7	25.5	58.3639	ug/L	58.3639	ug/L	12:07:26
2	Se 196.026†	9.6	16.5	6.51195	ug/L	6.51195	ug/L	12:07:26
2	Si 251.611†	728.2	270.4	42.2679	ug/L	42.2679	ug/L	12:07:26
2	Sn 189.927†	-17.3	-17.3	6.74363	ug/L	6.74363	ug/L	12:07:26
2	Sr 407.771†	2507.5	929.7	-12.8042	ug/L	-12.8042	ug/L	12:07:06
2	Ti 334.946†	-2110.1	-3550.5	-12.8116	ug/L	-12.8116	ug/L	12:07:06
2	Tl 190.801†	-6.4	-3.8	-30.1881	ug/L	-30.1881	ug/L	12:07:26
2	V 292.395†	-37.2	77.1	0.329471	ug/L	0.329471	ug/L	12:07:06
2	Zn 206.200†	128.6	68.0	1.94856	ug/L	1.94856	ug/L	12:07:26

Mean Data: 2E07042-IFA1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	506384.1	93.60	%	0.008				0.01%

Y 371.029	639878.4	93.09 %	0.021				0.02%
Ag 328.068†	-79.0	-0.608193 ug/L	2.1401257	-0.608193 ug/L	2.1401257	351.88%	
QC value within limits for Ag 328.068 Recovery = Not calculated							
Al 396.146†	1323215.7	98716.7 ug/L	840.77	98716.7 ug/L	840.77	0.85%	
QC value within limits for Al 396.146 Recovery = 98.72%							
As 188.979†	63.5	63.1888 ug/L	11.93332	63.1888 ug/L	11.93332	18.89%	
QC value within limits for As 188.979 Recovery = Not calculated							
B 249.769†	2617.9	6.44684 ug/L	1.184580	6.44684 ug/L	1.184580	18.37%	
QC value within limits for B 249.769 Recovery = Not calculated							
Ba 455.403†	54.2	0.686726 ug/L	0.0606237	0.686726 ug/L	0.0606237	8.83%	
QC value within limits for Ba 455.403 Recovery = Not calculated							
Be 234.863†	1148.6	0.342990 ug/L	0.0057546	0.342990 ug/L	0.0057546	1.68%	
QC value within limits for Be 234.863 Recovery = Not calculated							
Ca 315.874†	1687351.1	97.7889 mg/L	0.65230	97.7889 mg/L	0.65230	0.67%	
QC value within limits for Ca 315.874 Recovery = 97.79%							
Cd 214.436†	97.6	0.875363 ug/L	0.2065963	0.875363 ug/L	0.2065963	23.60%	
QC value within limits for Cd 214.436 Recovery = Not calculated							
Ce 413.764†	-3.8	-0.419175 ug/L	2.0867290	-0.419175 ug/L	2.0867290	497.82%	
Co 228.616†	5.9	0.842517 ug/L	1.7836799	0.842517 ug/L	1.7836799	211.71%	
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 205.563†	-18.4	-4.46899 ug/L	1.807347	-4.46899 ug/L	1.807347	40.44%	
QC value within limits for Cr 205.563 Recovery = Not calculated							
Cu 324.741†	-76.1	2.12316 ug/L	1.798175	2.12316 ug/L	1.798175	84.69%	
QC value within limits for Cu 324.741 Recovery = Not calculated							
Fe 238.204†	590452.0	38834.7 ug/L	270.57	38834.7 ug/L	270.57	0.70%	
QC value within limits for Fe 238.204 Recovery = 97.09%							
K 766.490†	-20.0	0.0024042 mg/L	0.00040140	0.0024042 mg/L	0.00040140	16.70%	
QC value within limits for K 766.490 Recovery = Not calculated							
Li 670.784†	403.8	2.13120 ug/L	0.293235	2.13120 ug/L	0.293235	13.76%	
QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.071†	337983.2	99.5256 mg/L	0.70679	99.5256 mg/L	0.70679	0.71%	
QC value within limits for Mg 279.071 Recovery = 99.53%							
Mn 257.610†	185.6	2.83568 ug/L	0.016522	2.83568 ug/L	0.016522	0.58%	
QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†	127.5	17.0600 ug/L	1.06034	17.0600 ug/L	1.06034	6.22%	
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	214.4	0.0021795 mg/L	0.00203814	0.0021795 mg/L	0.00203814	93.51%	
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	-37.6	-0.602133 ug/L	2.6269253	-0.602133 ug/L	2.6269253	436.27%	
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	-2.9	6.40623 ug/L	9.871855	6.40623 ug/L	9.871855	154.10%	
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 217.584†	20.5	47.8633 ug/L	14.85000	47.8633 ug/L	14.85000	31.03%	
QC value within limits for Sb 217.584 Recovery = Not calculated							
Se 196.026†	14.2	0.512212 ug/L	8.4849136	0.512212 ug/L	8.4849136	>999.9%	
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	258.5	40.5773 ug/L	2.39086	40.5773 ug/L	2.39086	5.89%	
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	-14.0	14.0255 ug/L	10.29817	14.0255 ug/L	10.29817	73.42%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	937.1	-12.7541 ug/L	0.07079	-12.7541 ug/L	0.07079	0.56%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.946†	-3709.8	-13.5534 ug/L	1.04906	-13.5534 ug/L	1.04906	7.74%	
QC value within limits for Ti 334.946 Recovery = Not calculated							
Tl 190.801†	-6.3	-44.9201 ug/L	20.83429	-44.9201 ug/L	20.83429	46.38%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	118.3	1.32438 ug/L	1.407019	1.32438 ug/L	1.407019	106.24%	
QC value within limits for V 292.395 Recovery = Not calculated							
Zn 206.200†	65.9	1.68312 ug/L	0.375386	1.68312 ug/L	0.375386	22.30%	
QC value within limits for Zn 206.200 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location:** 12
Sample ID: 2E07042-IFA2 **Date Collected:** 5/7/2012 12:11:40 PM
Analyst: **Data Type:** Original
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2E07042-IFA2

	Net	Corrected	Calib.		Sample	Analysis

Repl#	Analyte	Intensity	Intensity	Conc.	Units	Conc.	Units	Time
1	Sc 357.234	505687.7	505687.7	93.48	%			12:12:53
1	Y 371.029	641302.7	641302.7	93.30	%			12:12:53
1	Ag 328.068†	-850.7	-493.3	5.66565	ug/L	5.66565	ug/L	12:12:59
1	Al 396.146†	1009.1	643.9	27.1827	ug/L	27.1827	ug/L	12:12:59
1	As 188.979†	15.8	6.3	-3.94558	ug/L	-3.94558	ug/L	12:13:19
1	B 249.769†	956.2	574.5	12.5435	ug/L	12.5435	ug/L	12:13:19
1	Ba 455.403†	2.0	-332.2	0.352826	ug/L	0.352826	ug/L	12:12:59
1	Be 234.863†	207.1	57.3	-0.233234	ug/L	-0.233234	ug/L	12:13:19
1	Ca 315.874†	879.4	1017.1	0.0138608	mg/L	0.0138608	mg/L	12:12:59
1	Cd 214.436†	-213.7	-186.6	-1.19978	ug/L	-1.19978	ug/L	12:13:19
1	Ce 413.764†	13.1	-83.8	-4.38850	ug/L	-4.38850	ug/L	12:12:59
1	Co 228.616†	245.0	295.0	-1.24152	ug/L	-1.24152	ug/L	12:13:19
1	Cr 205.563†	115651.1	123677.7	20553.9	ug/L	20553.9	ug/L	12:12:59
1	Cu 324.741†	278838.6	298452.5	20083.0	ug/L	20083.0	ug/L	12:12:53
1	Fe 238.204†	346.3	250.6	5.34443	ug/L	5.34443	ug/L	12:13:19
1	K 766.490†	2503.8	193.8	0.0385757	mg/L	0.0385757	mg/L	12:12:59
1	Li 670.784†	2317.9	443.6	2.29537	ug/L	2.29537	ug/L	12:12:59
1	Mg 279.071†	85.2	-16.1	-0.0176540	mg/L	-0.0176540	mg/L	12:12:59
1	Mn 257.610†	3104326.3	3320893.0	20183.4	ug/L	20183.4	ug/L	12:12:53
1	Mo 202.031†	-13.3	-17.7	1.87206	ug/L	1.87206	ug/L	12:13:19
1	Na 589.592†	1004.2	312.5	0.0100680	mg/L	0.0100680	mg/L	12:12:59
1	Ni 231.604†	180185.2	192770.9	20493.7	ug/L	20493.7	ug/L	12:12:59
1	Pb 220.353†	-43.3	30.4	16.2775	ug/L	16.2775	ug/L	12:13:19
1	Sb 217.584†	141.8	146.6	10.6344	ug/L	10.6344	ug/L	12:13:19
1	Se 196.026†	-8.6	-2.9	-16.6462	ug/L	-16.6462	ug/L	12:13:19
1	Si 251.611†	6205.8	6131.3	-309.155	ug/L	-309.155	ug/L	12:12:59
1	Sn 189.927†	-11.3	-10.8	-8.72873	ug/L	-8.72873	ug/L	12:13:19
1	Sr 407.771†	229.0	-1504.4	-4.09751	ug/L	-4.09751	ug/L	12:12:59
1	Ti 334.946†	4005601.2	4283873.1	19954.3	ug/L	19954.3	ug/L	12:12:53
1	Tl 190.801†	-4.2	-1.5	31.7996	ug/L	31.7996	ug/L	12:13:19
1	V 292.395†	786458.3	841465.5	19800.6	ug/L	19800.6	ug/L	12:12:53
1	Zn 206.200†	206.4	151.4	2.19464	ug/L	2.19464	ug/L	12:12:59
2	Sc 357.234	509578.8	509578.8	94.20	%			12:13:28
2	Y 371.029	647230.2	647230.2	94.16	%			12:13:28
2	Ag 328.068†	-773.7	-404.6	7.90002	ug/L	7.90002	ug/L	12:13:34
2	Al 396.146†	809.2	423.4	11.3449	ug/L	11.3449	ug/L	12:13:34
2	As 188.979†	18.2	8.8	3.83551	ug/L	3.83551	ug/L	12:13:54
2	B 249.769†	931.8	540.7	11.7075	ug/L	11.7075	ug/L	12:13:54
2	Ba 455.403†	14.3	-319.2	0.380522	ug/L	0.380522	ug/L	12:13:34
2	Be 234.863†	234.8	85.0	-0.134511	ug/L	-0.134511	ug/L	12:13:54
2	Ca 315.874†	752.2	874.9	0.0056176	mg/L	0.0056176	mg/L	12:13:34
2	Cd 214.436†	-221.2	-192.8	-1.42447	ug/L	-1.42447	ug/L	12:13:54
2	Ce 413.764†	49.2	-45.6	0.931590	ug/L	0.931590	ug/L	12:13:34
2	Co 228.616†	251.6	299.9	-0.676523	ug/L	-0.676523	ug/L	12:13:54
2	Cr 205.563†	114695.9	121718.9	20228.4	ug/L	20228.4	ug/L	12:13:34
2	Cu 324.741†	284075.0	301733.8	20303.6	ug/L	20303.6	ug/L	12:13:28
2	Fe 238.204†	351.2	253.0	5.59468	ug/L	5.59468	ug/L	12:13:54
2	K 766.490†	2316.8	-25.2	0.0015141	mg/L	0.0015141	mg/L	12:13:34
2	Li 670.784†	2162.5	259.7	1.54214	ug/L	1.54214	ug/L	12:13:34
2	Mg 279.071†	82.4	-19.8	-0.0187416	mg/L	-0.0187416	mg/L	12:13:34
2	Mn 257.610†	3147728.1	3341610.9	20309.4	ug/L	20309.4	ug/L	12:13:28
2	Mo 202.031†	-3.8	-7.5	4.94980	ug/L	4.94980	ug/L	12:13:54
2	Na 589.592†	1052.7	355.8	0.0135505	mg/L	0.0135505	mg/L	12:13:34
2	Ni 231.604†	178649.1	189668.3	20163.8	ug/L	20163.8	ug/L	12:13:34
2	Pb 220.353†	-30.0	44.8	26.1768	ug/L	26.1768	ug/L	12:13:54
2	Sb 217.584†	146.2	150.1	22.8537	ug/L	22.8537	ug/L	12:13:54
2	Se 196.026†	-4.2	1.8	-4.39056	ug/L	-4.39056	ug/L	12:13:54
2	Si 251.611†	6428.2	6316.7	-291.924	ug/L	-291.924	ug/L	12:13:34
2	Sn 189.927†	-10.5	-9.8	-6.47953	ug/L	-6.47953	ug/L	12:13:54
2	Sr 407.771†	251.6	-1482.3	-4.08340	ug/L	-4.08340	ug/L	12:13:34
2	Ti 334.946†	4069232.9	4318705.3	20116.5	ug/L	20116.5	ug/L	12:13:28
2	Tl 190.801†	-13.0	-10.8	-23.2994	ug/L	-23.2994	ug/L	12:13:54
2	V 292.395†	797514.2	846778.3	19925.6	ug/L	19925.6	ug/L	12:13:28
2	Zn 206.200†	201.1	144.0	1.40907	ug/L	1.40907	ug/L	12:13:34

Mean Data: 2E07042-IFA2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	507633.3	93.84	%	0.509				0.54%
Y 371.029	644266.5	93.73	%	0.610				0.65%

Ag 328.068†	-449.0	6.78283 ug/L	1.579943	6.78283 ug/L	1.579943	23.29%
QC value within limits for Ag 328.068 Recovery = Not calculated						
Al 396.146†	533.7	19.2638 ug/L	11.19905	19.2638 ug/L	11.19905	58.14%
QC value within limits for Al 396.146 Recovery = Not calculated						
As 188.979†	7.5	-0.0550318 ug/L	5.50206086	-0.0550318 ug/L	5.50206086	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated						
B 249.769†	557.6	12.1255 ug/L	0.59110	12.1255 ug/L	0.59110	4.87%
QC value within limits for B 249.769 Recovery = Not calculated						
Ba 455.403†	-325.7	0.366674 ug/L	0.0195842	0.366674 ug/L	0.0195842	5.34%
QC value within limits for Ba 455.403 Recovery = Not calculated						
Be 234.863†	71.2	-0.183872 ug/L	0.0698074	-0.183872 ug/L	0.0698074	37.97%
QC value within limits for Be 234.863 Recovery = Not calculated						
Ca 315.874†	946.0	0.0097392 mg/L	0.00582884	0.0097392 mg/L	0.00582884	59.85%
QC value within limits for Ca 315.874 Recovery = Not calculated						
Cd 214.436†	-189.7	-1.31213 ug/L	0.158878	-1.31213 ug/L	0.158878	12.11%
QC value within limits for Cd 214.436 Recovery = Not calculated						
Ce 413.764†	-64.7	-1.72845 ug/L	3.761872	-1.72845 ug/L	3.761872	217.64%
Co 228.616†	297.4	-0.959022 ug/L	0.3995141	-0.959022 ug/L	0.3995141	41.66%
QC value within limits for Co 228.616 Recovery = Not calculated						
Cr 205.563†	122698.3	20391.1 ug/L	230.19	20391.1 ug/L	230.19	1.13%
QC value within limits for Cr 205.563 Recovery = 101.96%						
Cu 324.741†	300093.1	20193.3 ug/L	156.03	20193.3 ug/L	156.03	0.77%
QC value within limits for Cu 324.741 Recovery = 100.97%						
Fe 238.204†	251.8	5.46955 ug/L	0.176952	5.46955 ug/L	0.176952	3.24%
QC value within limits for Fe 238.204 Recovery = Not calculated						
K 766.490†	84.3	0.0200449 mg/L	0.02620650	0.0200449 mg/L	0.02620650	130.74%
QC value within limits for K 766.490 Recovery = Not calculated						
Li 670.784†	351.7	1.91876 ug/L	0.532616	1.91876 ug/L	0.532616	27.76%
QC value within limits for Li 670.784 Recovery = Not calculated						
Mg 279.071†	-17.9	-0.0181978 mg/L	0.00076904	-0.0181978 mg/L	0.00076904	4.23%
QC value within limits for Mg 279.071 Recovery = Not calculated						
Mn 257.610†	3331252.0	20246.4 ug/L	89.03	20246.4 ug/L	89.03	0.44%
QC value within limits for Mn 257.610 Recovery = 101.23%						
Mo 202.031†	-12.6	3.41093 ug/L	2.176292	3.41093 ug/L	2.176292	63.80%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	334.2	0.0118092 mg/L	0.00246249	0.0118092 mg/L	0.00246249	20.85%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	191219.6	20328.7 ug/L	233.30	20328.7 ug/L	233.30	1.15%
QC value within limits for Ni 231.604 Recovery = 101.64%						
Pb 220.353†	37.6	21.2271 ug/L	6.99988	21.2271 ug/L	6.99988	32.98%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	148.3	16.7440 ug/L	8.64040	16.7440 ug/L	8.64040	51.60%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	-0.6	-10.5184 ug/L	8.66601	-10.5184 ug/L	8.66601	82.39%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	6224.0	-300.540 ug/L	12.1844	-300.540 ug/L	12.1844	4.05%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	-10.3	-7.60413 ug/L	1.590426	-7.60413 ug/L	1.590426	20.92%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	-1493.3	-4.09046 ug/L	0.009981	-4.09046 ug/L	0.009981	0.24%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.946†	4301289.2	20035.4 ug/L	114.71	20035.4 ug/L	114.71	0.57%
QC value within limits for Ti 334.946 Recovery = 100.18%						
Tl 190.801†	-6.2	4.25010 ug/L	38.960811	4.25010 ug/L	38.960811	916.70%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	844121.9	19863.1 ug/L	88.45	19863.1 ug/L	88.45	0.45%
QC value within limits for V 292.395 Recovery = 99.32%						
Zn 206.200†	147.7	1.80185 ug/L	0.555482	1.80185 ug/L	0.555482	30.83%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 12
Sample ID: 2E07042-IFB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 5/7/2012 12:18:08 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-IFB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time

1	Sc 357.234	504435.3	504435.3	93.24 %		12:19:20
1	Y 371.029	636491.1	636491.1	92.60 %		12:19:20
1	Ag 328.068†	39047.8	42293.6	1010.27 ug/L	1010.27 ug/L	12:19:25
1	Al 396.146†	1238561.3	1327860.1	99065.7 ug/L	99065.7 ug/L	12:19:20
1	As 188.979†	77.8	72.9	89.9061 ug/L	89.9061 ug/L	12:19:45
1	B 249.769†	2797.6	2551.8	4.77992 ug/L	4.77992 ug/L	12:19:25
1	Ba 455.403†	251692.7	269593.7	503.257 ug/L	503.257 ug/L	12:19:20
1	Be 234.863†	15219.4	16157.8	50.7457 ug/L	50.7457 ug/L	12:19:25
1	Ca 315.874†	1575628.7	1689860.2	97.9344 mg/L	97.9344 mg/L	12:19:20
1	Cd 214.436†	16019.8	17222.5	952.421 ug/L	952.421 ug/L	12:19:25
1	Ce 413.764†	158.2	71.8	10.2561 ug/L	10.2561 ug/L	12:19:25
1	Co 228.616†	3385.9	3664.0	493.064 ug/L	493.064 ug/L	12:19:45
1	Cr 205.563†	2840.4	3001.1	496.900 ug/L	496.900 ug/L	12:19:45
1	Cu 324.741†	6795.8	7440.7	507.012 ug/L	507.012 ug/L	12:19:25
1	Fe 238.204†	550992.9	590792.7	38857.1 ug/L	38857.1 ug/L	12:19:20
1	K 766.490†	2401.6	90.7	0.0211377 mg/L	0.0211377 mg/L	12:19:25
1	Li 670.784†	2585.4	736.7	3.49295 ug/L	3.49295 ug/L	12:19:25
1	Mg 279.071†	315905.7	338685.9	99.7325 mg/L	99.7325 mg/L	12:19:20
1	Mn 257.610†	77457.5	82971.9	505.947 ug/L	505.947 ug/L	12:19:25
1	Mo 202.031†	113.9	118.8	14.4872 ug/L	14.4872 ug/L	12:19:45
1	Na 589.592†	1096.8	414.5	0.0182666 mg/L	0.0182666 mg/L	12:19:25
1	Ni 231.604†	8423.7	9043.9	964.080 ug/L	964.080 ug/L	12:19:25
1	Pb 220.353†	1306.8	1478.1	1020.89 ug/L	1020.89 ug/L	12:19:45
1	Sb 217.584†	18.8	15.0	28.8963 ug/L	28.8963 ug/L	12:19:45
1	Se 196.026†	3.5	10.1	-10.6236 ug/L	-10.6236 ug/L	12:19:45
1	Si 251.611†	810.1	361.2	55.2906 ug/L	55.2906 ug/L	12:19:45
1	Sn 189.927†	-11.4	-11.0	20.8411 ug/L	20.8411 ug/L	12:19:45
1	Sr 407.771†	2628.9	1070.0	-12.7042 ug/L	-12.7042 ug/L	12:19:25
1	Ti 334.946†	-1756.7	-3180.1	-11.0865 ug/L	-11.0865 ug/L	12:19:25
1	Tl 190.801†	-6.5	-4.0	-32.3097 ug/L	-32.3097 ug/L	12:19:45
1	V 292.395†	19943.0	21504.8	504.785 ug/L	504.785 ug/L	12:19:25
1	Zn 206.200†	6333.7	6723.2	1003.63 ug/L	1003.63 ug/L	12:19:45
2	Sc 357.234	504018.3	504018.3	93.17 %		12:19:52
2	Y 371.029	636350.1	636350.1	92.58 %		12:19:52
2	Ag 328.068†	39448.3	42758.1	1021.36 ug/L	1021.36 ug/L	12:19:57
2	Al 396.146†	1238941.4	1329366.8	99178.6 ug/L	99178.6 ug/L	12:19:52
2	As 188.979†	72.9	67.6	74.3279 ug/L	74.3279 ug/L	12:20:18
2	B 249.769†	2826.6	2585.4	5.54019 ug/L	5.54019 ug/L	12:19:57
2	Ba 455.403†	252243.9	270408.6	504.777 ug/L	504.777 ug/L	12:19:52
2	Be 234.863†	15353.9	16315.7	51.2714 ug/L	51.2714 ug/L	12:19:57
2	Ca 315.874†	1574916.5	1690493.5	97.9711 mg/L	97.9711 mg/L	12:19:52
2	Cd 214.436†	16287.3	17523.8	969.157 ug/L	969.157 ug/L	12:19:57
2	Ce 413.764†	182.1	97.6	13.8414 ug/L	13.8414 ug/L	12:19:57
2	Co 228.616†	3396.4	3678.3	494.989 ug/L	494.989 ug/L	12:20:18
2	Cr 205.563†	2849.9	3013.7	498.992 ug/L	498.992 ug/L	12:20:18
2	Cu 324.741†	6898.5	7556.9	514.826 ug/L	514.826 ug/L	12:19:57
2	Fe 238.204†	551215.0	591520.0	38904.9 ug/L	38904.9 ug/L	12:19:52
2	K 766.490†	2416.4	108.8	0.0241880 mg/L	0.0241880 mg/L	12:19:57
2	Li 670.784†	2375.4	513.6	2.57950 ug/L	2.57950 ug/L	12:19:57
2	Mg 279.071†	315901.6	338961.8	99.8138 mg/L	99.8138 mg/L	12:19:52
2	Mn 257.610†	78376.2	84026.7	512.358 ug/L	512.358 ug/L	12:19:57
2	Mo 202.031†	119.2	124.5	16.2012 ug/L	16.2012 ug/L	12:20:18
2	Na 589.592†	1018.6	331.6	0.0116008 mg/L	0.0116008 mg/L	12:19:57
2	Ni 231.604†	8522.1	9156.9	976.099 ug/L	976.099 ug/L	12:19:57
2	Pb 220.353†	1296.9	1468.7	1014.41 ug/L	1014.41 ug/L	12:20:18
2	Sb 217.584†	23.7	20.3	40.0420 ug/L	40.0420 ug/L	12:20:18
2	Se 196.026†	17.1	24.7	27.8016 ug/L	27.8016 ug/L	12:20:18
2	Si 251.611†	793.1	343.6	52.7386 ug/L	52.7386 ug/L	12:20:18
2	Sn 189.927†	-14.2	-13.9	14.2199 ug/L	14.2199 ug/L	12:20:18
2	Sr 407.771†	2683.1	1130.5	-12.6793 ug/L	-12.6793 ug/L	12:19:57
2	Ti 334.946†	-1848.1	-3279.8	-11.5508 ug/L	-11.5508 ug/L	12:19:57
2	Tl 190.801†	-3.7	-1.0	-14.6644 ug/L	-14.6644 ug/L	12:20:18
2	V 292.395†	20290.8	21895.8	514.001 ug/L	514.001 ug/L	12:19:57
2	Zn 206.200†	6338.5	6734.0	1005.24 ug/L	1005.24 ug/L	12:20:18

Mean Data: 2E07042-IFB1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	504226.8	93.21	%	0.054				0.06%
Y 371.029	636420.6	92.59	%	0.014				0.02%
Ag 328.068†	42525.9	1015.81	ug/L	7.847	1015.81	ug/L	7.847	0.77%

QC value within limits for Ag 328.068 Recovery = 101.58%							
Al 396.146†	1328613.5	99122.1 ug/L	79.83	99122.1 ug/L	79.83	0.08%	
QC value within limits for Al 396.146 Recovery = 99.12%							
As 188.979†	70.2	82.1170 ug/L	11.01546	82.1170 ug/L	11.01546	13.41%	
QC value within limits for As 188.979 Recovery = Not calculated							
B 249.769†	2568.6	5.16006 ug/L	0.537591	5.16006 ug/L	0.537591	10.42%	
QC value within limits for B 249.769 Recovery = Not calculated							
Ba 455.403†	270001.1	504.017 ug/L	1.0750	504.017 ug/L	1.0750	0.21%	
QC value within limits for Ba 455.403 Recovery = 100.80%							
Be 234.863†	16236.8	51.0085 ug/L	0.37174	51.0085 ug/L	0.37174	0.73%	
QC value within limits for Be 234.863 Recovery = 102.02%							
Ca 315.874†	1690176.8	97.9527 mg/L	0.02596	97.9527 mg/L	0.02596	0.03%	
QC value within limits for Ca 315.874 Recovery = 97.95%							
Cd 214.436†	17373.1	960.789 ug/L	11.8341	960.789 ug/L	11.8341	1.23%	
QC value within limits for Cd 214.436 Recovery = 96.08%							
Ce 413.764†	84.7	12.0487 ug/L	2.53516	12.0487 ug/L	2.53516	21.04%	
Co 228.616†	3671.1	494.027 ug/L	1.3609	494.027 ug/L	1.3609	0.28%	
QC value within limits for Co 228.616 Recovery = 98.81%							
Cr 205.563†	3007.4	497.946 ug/L	1.4795	497.946 ug/L	1.4795	0.30%	
QC value within limits for Cr 205.563 Recovery = 99.59%							
Cu 324.741†	7498.8	510.919 ug/L	5.5251	510.919 ug/L	5.5251	1.08%	
QC value within limits for Cu 324.741 Recovery = 102.18%							
Fe 238.204†	591156.4	38881.0 ug/L	33.82	38881.0 ug/L	33.82	0.09%	
QC value within limits for Fe 238.204 Recovery = 97.20%							
K 766.490†	99.7	0.0226629 mg/L	0.00215692	0.0226629 mg/L	0.00215692	9.52%	
QC value within limits for K 766.490 Recovery = Not calculated							
Li 670.784†	625.2	3.03622 ug/L	0.645912	3.03622 ug/L	0.645912	21.27%	
QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.071†	338823.9	99.7732 mg/L	0.05745	99.7732 mg/L	0.05745	0.06%	
QC value within limits for Mg 279.071 Recovery = 99.77%							
Mn 257.610†	83499.3	509.153 ug/L	4.5335	509.153 ug/L	4.5335	0.89%	
QC value within limits for Mn 257.610 Recovery = 101.83%							
Mo 202.031†	121.6	15.3442 ug/L	1.21195	15.3442 ug/L	1.21195	7.90%	
QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†	373.1	0.0149337 mg/L	0.00471345	0.0149337 mg/L	0.00471345	31.56%	
QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†	9100.4	970.090 ug/L	8.4986	970.090 ug/L	8.4986	0.88%	
QC value within limits for Ni 231.604 Recovery = 97.01%							
Pb 220.353†	1473.4	1017.65 ug/L	4.582	1017.65 ug/L	4.582	0.45%	
QC value within limits for Pb 220.353 Recovery = 101.76%							
Sb 217.584†	17.7	34.4691 ug/L	7.88122	34.4691 ug/L	7.88122	22.86%	
Se 196.026†	17.4	8.58901 ug/L	27.170682	8.58901 ug/L	27.170682	316.34%	
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	352.4	54.0146 ug/L	1.80450	54.0146 ug/L	1.80450	3.34%	
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	-12.5	17.5305 ug/L	4.68190	17.5305 ug/L	4.68190	26.71%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	1100.2	-12.6918 ug/L	0.01755	-12.6918 ug/L	0.01755	0.14%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.946†	-3229.9	-11.3187 ug/L	0.32833	-11.3187 ug/L	0.32833	2.90%	
QC value within limits for Ti 334.946 Recovery = Not calculated							
Tl 190.801†	-2.5	-23.4871 ug/L	12.47709	-23.4871 ug/L	12.47709	53.12%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	21700.3	509.393 ug/L	6.5167	509.393 ug/L	6.5167	1.28%	
QC value within limits for V 292.395 Recovery = 101.88%							
Zn 206.200†	6728.6	1004.44 ug/L	1.141	1004.44 ug/L	1.141	0.11%	
QC value within limits for Zn 206.200 Recovery = 100.44%							

All analyte(s) passed QC.

Sequence No.: 13
Sample ID: 2E07042-IFB2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 14
Date Collected: 5/7/2012 12:24:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-IFB2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	503738.6	503738.6	93.12	%			12:25:48
1	Y 371.029	638305.8	638305.8	92.86	%			12:25:48

1	Ag 328.068†	-789.1	-430.7	7.27578 ug/L	7.27578 ug/L	12:25:54
1	Al 396.146†	13392.2	13946.7	990.898 ug/L	990.898 ug/L	12:25:54
1	As 188.979†	343.0	357.7	1017.38 ug/L	1017.38 ug/L	12:26:14
1	B 249.769†	37927.9	40283.6	994.581 ug/L	994.581 ug/L	12:25:54
1	Ba 455.403†	-82.1	-422.5	0.188348 ug/L	0.188348 ug/L	12:25:54
1	Be 234.863†	235.1	88.2	-0.127997 ug/L	-0.127997 ug/L	12:26:14
1	Ca 315.874†	84181.6	90481.8	5.20110 mg/L	5.20110 mg/L	12:25:54
1	Cd 214.436†	-212.4	-186.1	-1.15093 ug/L	-1.15093 ug/L	12:26:14
1	Ce 413.764†	76.7	-15.5	4.98795 ug/L	4.98795 ug/L	12:25:54
1	Co 228.616†	239.8	290.3	-0.562002 ug/L	-0.562002 ug/L	12:26:14
1	Cr 205.563†	114952.9	123406.6	20508.3 ug/L	20508.3 ug/L	12:25:54
1	Cu 324.741†	276287.4	296866.9	19976.9 ug/L	19976.9 ug/L	12:25:48
1	Fe 238.204†	338.9	244.2	4.90290 ug/L	4.90290 ug/L	12:26:14
1	K 766.490†	2351.4	40.4	0.0126195 mg/L	0.0126195 mg/L	12:25:54
1	Li 670.784†	2441.5	586.0	2.87723 ug/L	2.87723 ug/L	12:25:54
1	Mg 279.071†	16399.6	17504.8	5.14237 mg/L	5.14237 mg/L	12:25:54
1	Mn 257.610†	3106355.6	3335922.3	20275.0 ug/L	20275.0 ug/L	12:25:48
1	Mo 202.031†	3129.7	3357.7	1013.24 ug/L	1013.24 ug/L	12:26:14
1	Na 589.592†	60518.6	64231.2	5.14719 mg/L	5.14719 mg/L	12:25:54
1	Ni 231.604†	178542.8	191752.9	20387.7 ug/L	20387.7 ug/L	12:25:54
1	Pb 220.353†	-67.1	4.5	1.85143 ug/L	1.85143 ug/L	12:26:14
1	Sb 217.584†	591.2	629.8	1052.54 ug/L	1052.54 ug/L	12:26:14
1	Se 196.026†	362.8	395.9	1031.72 ug/L	1031.72 ug/L	12:26:14
1	Si 251.611†	5716.5	5631.5	-397.775 ug/L	-397.775 ug/L	12:25:54
1	Sn 189.927†	-7.7	-7.0	1.66156 ug/L	1.66156 ug/L	12:26:14
1	Sr 407.771†	1193.6	-467.5	-4.16238 ug/L	-4.16238 ug/L	12:25:54
1	Ti 334.946†	4016139.9	4311771.8	20084.2 ug/L	20084.2 ug/L	12:25:48
1	Tl 190.801†	146.0	159.7	998.401 ug/L	998.401 ug/L	12:26:14
1	V 292.395†	787524.5	845865.9	19912.9 ug/L	19912.9 ug/L	12:25:48
1	Zn 206.200†	209.5	155.5	2.18519 ug/L	2.18519 ug/L	12:25:54
2	Sc 357.234	506971.3	506971.3	93.71 %		12:26:23
2	Y 371.029	642941.6	642941.6	93.54 %		12:26:23
2	Ag 328.068†	-716.8	-348.1	9.33689 ug/L	9.33689 ug/L	12:26:29
2	Al 396.146†	13254.4	13708.0	973.285 ug/L	973.285 ug/L	12:26:29
2	As 188.979†	350.0	362.8	1032.74 ug/L	1032.74 ug/L	12:26:49
2	B 249.769†	37987.2	40087.1	989.722 ug/L	989.722 ug/L	12:26:29
2	Ba 455.403†	59.4	-271.0	0.473343 ug/L	0.473343 ug/L	12:26:29
2	Be 234.863†	213.4	63.5	-0.207084 ug/L	-0.207084 ug/L	12:26:49
2	Ca 315.874†	83605.1	89290.1	5.13200 mg/L	5.13200 mg/L	12:26:29
2	Cd 214.436†	-205.7	-177.5	-0.581666 ug/L	-0.581666 ug/L	12:26:49
2	Ce 413.764†	91.3	-0.4	7.09764 ug/L	7.09764 ug/L	12:26:29
2	Co 228.616†	231.9	280.3	-2.00283 ug/L	-2.00283 ug/L	12:26:49
2	Cr 205.563†	114221.2	121838.6	20247.7 ug/L	20247.7 ug/L	12:26:29
2	Cu 324.741†	281218.8	300237.1	20203.5 ug/L	20203.5 ug/L	12:26:23
2	Fe 238.204†	348.0	251.6	5.46220 ug/L	5.46220 ug/L	12:26:49
2	K 766.490†	2488.0	170.1	0.0345661 mg/L	0.0345661 mg/L	12:26:29
2	Li 670.784†	2165.7	274.9	1.60384 ug/L	1.60384 ug/L	12:26:29
2	Mg 279.071†	16394.9	17387.5	5.10782 mg/L	5.10782 mg/L	12:26:29
2	Mn 257.610†	3141122.2	3351749.4	20371.2 ug/L	20371.2 ug/L	12:26:23
2	Mo 202.031†	3161.0	3369.6	1016.84 ug/L	1016.84 ug/L	12:26:49
2	Na 589.592†	60174.0	63449.1	5.08434 mg/L	5.08434 mg/L	12:26:29
2	Ni 231.604†	177585.1	189508.4	20149.0 ug/L	20149.0 ug/L	12:26:29
2	Pb 220.353†	-49.6	23.7	14.9976 ug/L	14.9976 ug/L	12:26:49
2	Sb 217.584†	590.3	624.8	1045.95 ug/L	1045.95 ug/L	12:26:49
2	Se 196.026†	360.2	390.7	1017.95 ug/L	1017.95 ug/L	12:26:49
2	Si 251.611†	5956.5	5848.5	-374.374 ug/L	-374.374 ug/L	12:26:29
2	Sn 189.927†	-8.0	-7.3	0.876227 ug/L	0.876227 ug/L	12:26:49
2	Sr 407.771†	1117.6	-556.8	-4.19215 ug/L	-4.19215 ug/L	12:26:29
2	Ti 334.946†	4069375.9	4341077.1	20220.7 ug/L	20220.7 ug/L	12:26:23
2	Tl 190.801†	145.4	158.1	989.162 ug/L	989.162 ug/L	12:26:49
2	V 292.395†	796746.5	850313.8	20017.6 ug/L	20017.6 ug/L	12:26:23
2	Zn 206.200†	224.2	169.8	4.60279 ug/L	4.60279 ug/L	12:26:29

Mean Data: 2E07042-IFB2

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	505354.9	93.41	%	0.423				0.45%
Y 371.029	640623.7	93.20	%	0.477				0.51%
Ag 328.068†	-389.4	8.30634	ug/L	1.457428	8.30634	ug/L	1.457428	17.55%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	13827.3	982.091	ug/L	12.4539	982.091	ug/L	12.4539	1.27%

QC value within limits for Al 396.146 Recovery = 98.21%

As 188.979†	360.3	1025.06 ug/L	10.862	1025.06 ug/L	10.862	1.06%
QC value within limits for As 188.979 Recovery = 102.51%							
B 249.769†	40185.3	992.151 ug/L	3.4360	992.151 ug/L	3.4360	0.35%
QC value within limits for B 249.769 Recovery = 99.22%							
Ba 455.403†	-346.7	0.330846 ug/L	0.2015216	0.330846 ug/L	0.2015216	60.91%
QC value within limits for Ba 455.403 Recovery = Not calculated							
Be 234.863†	75.9	-0.167541 ug/L	0.0559227	-0.167541 ug/L	0.0559227	33.38%
QC value within limits for Be 234.863 Recovery = Not calculated							
Ca 315.874†	89886.0	5.16655 mg/L	0.048858	5.16655 mg/L	0.048858	0.95%
QC value within limits for Ca 315.874 Recovery = 103.33%							
Cd 214.436†	-181.8	-0.866300 ug/L	0.4025331	-0.866300 ug/L	0.4025331	46.47%
QC value within limits for Cd 214.436 Recovery = Not calculated							
Ce 413.764†	-8.0	6.04280 ug/L	1.491777	6.04280 ug/L	1.491777	24.69%
Co 228.616†	285.3	-1.28241 ug/L	1.018818	-1.28241 ug/L	1.018818	79.45%
QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 205.563†	122622.6	20378.0 ug/L	184.28	20378.0 ug/L	184.28	0.90%
QC value within limits for Cr 205.563 Recovery = 101.89%							
Cu 324.741†	298552.0	20090.2 ug/L	160.21	20090.2 ug/L	160.21	0.80%
QC value within limits for Cu 324.741 Recovery = 100.45%							
Fe 238.204†	247.9	5.18255 ug/L	0.395487	5.18255 ug/L	0.395487	7.63%
QC value within limits for Fe 238.204 Recovery = Not calculated							
K 766.490†	105.2	0.0235928 mg/L	0.01551860	0.0235928 mg/L	0.01551860	65.78%
QC value within limits for K 766.490 Recovery = Not calculated							
Li 670.784†	430.5	2.24054 ug/L	0.900426	2.24054 ug/L	0.900426	40.19%
QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.071†	17446.1	5.12509 mg/L	0.024435	5.12509 mg/L	0.024435	0.48%
QC value within limits for Mg 279.071 Recovery = 102.50%							
Mn 257.610†	3343835.9	20323.1 ug/L	68.02	20323.1 ug/L	68.02	0.33%
QC value within limits for Mn 257.610 Recovery = 101.62%							
Mo 202.031†	3363.6	1015.04 ug/L	2.548	1015.04 ug/L	2.548	0.25%
QC value within limits for Mo 202.031 Recovery = 101.50%							
Na 589.592†	63840.1	5.11576 mg/L	0.044445	5.11576 mg/L	0.044445	0.87%
QC value within limits for Na 589.592 Recovery = 102.32%							
Ni 231.604†	190630.7	20268.3 ug/L	168.78	20268.3 ug/L	168.78	0.83%
QC value within limits for Ni 231.604 Recovery = 101.34%							
Pb 220.353†	14.1	8.42449 ug/L	9.295710	8.42449 ug/L	9.295710	110.34%
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 217.584†	627.3	1049.24 ug/L	4.660	1049.24 ug/L	4.660	0.44%
QC value within limits for Sb 217.584 Recovery = 104.92%							
Se 196.026†	393.3	1024.84 ug/L	9.735	1024.84 ug/L	9.735	0.95%
QC value within limits for Se 196.026 Recovery = 102.48%							
Si 251.611†	5740.0	-386.075 ug/L	16.5474	-386.075 ug/L	16.5474	4.29%
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	-7.1	1.26889 ug/L	0.555313	1.26889 ug/L	0.555313	43.76%
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	-512.1	-4.17727 ug/L	0.021053	-4.17727 ug/L	0.021053	0.50%
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.946†	4326424.5	20152.4 ug/L	96.51	20152.4 ug/L	96.51	0.48%
QC value within limits for Ti 334.946 Recovery = 100.76%							
Tl 190.801†	158.9	993.781 ug/L	6.5327	993.781 ug/L	6.5327	0.66%
QC value within limits for Tl 190.801 Recovery = 99.38%							
V 292.395†	848089.8	19965.2 ug/L	74.05	19965.2 ug/L	74.05	0.37%
QC value within limits for V 292.395 Recovery = 99.83%							
Zn 206.200†	162.6	3.39399 ug/L	1.709501	3.39399 ug/L	1.709501	50.37%
QC value within limits for Zn 206.200 Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 14 **Autosampler Location: 4**
Sample ID: 2E07042-CCV **Date Collected: 5/7/2012 12:31:39 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2E07042-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	509417.0	509417.0	94.17	%			12:32:53
1	Y 371.029	646178.7	646178.7	94.01	%			12:32:53
1	Ag 328.068†	19565.7	21194.8	507.125	ug/L	507.125	ug/L	12:32:58

1	Al 396.146†	32936.4	34541.7	2544.50 ug/L	2544.50 ug/L	12:32:58
1	As 188.979†	825.1	865.6	2535.47 ug/L	2535.47 ug/L	12:33:18
1	B 249.769†	19759.8	20535.7	505.504 ug/L	505.504 ug/L	12:32:58
1	Ba 455.403†	255241.3	270722.4	505.361 ug/L	505.361 ug/L	12:32:53
1	Be 234.863†	14211.6	14927.9	50.2083 ug/L	50.2083 ug/L	12:32:58
1	Ca 315.874†	82764.3	87969.0	5.05540 mg/L	5.05540 mg/L	12:32:58
1	Cd 214.436†	8542.9	9114.3	509.584 ug/L	509.584 ug/L	12:33:18
1	Ce 413.764†	141.5	52.5	7.36911 ug/L	7.36911 ug/L	12:32:58
1	Co 228.616†	3502.1	3752.0	506.089 ug/L	506.089 ug/L	12:33:18
1	Cr 205.563†	2902.3	3037.0	506.609 ug/L	506.609 ug/L	12:33:18
1	Cu 324.741†	7260.7	7863.1	531.764 ug/L	531.764 ug/L	12:32:58
1	Fe 238.204†	7177.9	7502.8	496.847 ug/L	496.847 ug/L	12:32:58
1	K 766.490†	30487.2	29891.4	5.06477 mg/L	5.06477 mg/L	12:32:53
1	Li 670.784†	117945.8	123218.0	504.817 ug/L	504.817 ug/L	12:32:53
1	Mg 279.071†	16363.2	17269.8	5.07316 mg/L	5.07316 mg/L	12:32:58
1	Mn 257.610†	78343.9	83100.8	506.837 ug/L	506.837 ug/L	12:32:58
1	Mo 202.031†	1591.2	1686.3	507.896 ug/L	507.896 ug/L	12:33:18
1	Na 589.592†	59528.4	62455.2	5.00445 mg/L	5.00445 mg/L	12:32:53
1	Ni 231.604†	4441.9	4727.0	505.952 ug/L	505.952 ug/L	12:32:58
1	Pb 220.353†	626.3	741.7	505.452 ug/L	505.452 ug/L	12:33:18
1	Sb 217.584†	1134.1	1199.2	2530.31 ug/L	2530.31 ug/L	12:33:18
1	Se 196.026†	894.8	956.5	2515.76 ug/L	2515.76 ug/L	12:33:18
1	Si 251.611†	16553.6	17071.7	2459.71 ug/L	2459.71 ug/L	12:32:58
1	Sn 189.927†	1046.6	1112.7	2540.59 ug/L	2540.59 ug/L	12:33:18
1	Sr 407.771†	1117362.5	1184848.0	502.663 ug/L	502.663 ug/L	12:32:53
1	Ti 334.946†	103769.3	108903.1	510.899 ug/L	510.899 ug/L	12:32:58
1	Tl 190.801†	398.0	425.6	2536.95 ug/L	2536.95 ug/L	12:33:18
1	V 292.395†	19879.2	21227.8	506.231 ug/L	506.231 ug/L	12:32:58
1	Zn 206.200†	3240.5	3371.8	507.329 ug/L	507.329 ug/L	12:33:18
2	Sc 357.234	507317.0	507317.0	93.78 %		12:33:26
2	Y 371.029	642975.0	642975.0	93.54 %		12:33:26
2	Ag 328.068†	19383.5	21086.5	504.527 ug/L	504.527 ug/L	12:33:31
2	Al 396.146†	32612.7	34341.2	2528.94 ug/L	2528.94 ug/L	12:33:31
2	As 188.979†	817.3	861.0	2521.94 ug/L	2521.94 ug/L	12:33:51
2	B 249.769†	19672.0	20528.9	505.337 ug/L	505.337 ug/L	12:33:31
2	Ba 455.403†	255773.5	272411.9	508.510 ug/L	508.510 ug/L	12:33:26
2	Be 234.863†	14180.1	14956.8	50.3057 ug/L	50.3057 ug/L	12:33:31
2	Ca 315.874†	82013.1	87531.7	5.03005 mg/L	5.03005 mg/L	12:33:31
2	Cd 214.436†	8571.3	9182.1	513.353 ug/L	513.353 ug/L	12:33:51
2	Ce 413.764†	110.7	20.2	2.89754 ug/L	2.89754 ug/L	12:33:31
2	Co 228.616†	3499.2	3764.2	507.742 ug/L	507.742 ug/L	12:33:51
2	Cr 205.563†	2914.2	3062.4	510.839 ug/L	510.839 ug/L	12:33:51
2	Cu 324.741†	7108.0	7732.2	522.972 ug/L	522.972 ug/L	12:33:31
2	Fe 238.204†	7140.2	7494.2	496.280 ug/L	496.280 ug/L	12:33:31
2	K 766.490†	30152.7	29668.7	5.02708 mg/L	5.02708 mg/L	12:33:26
2	Li 670.784†	118265.9	124077.8	508.336 ug/L	508.336 ug/L	12:33:26
2	Mg 279.071†	16086.8	17047.0	5.00756 mg/L	5.00756 mg/L	12:33:31
2	Mn 257.610†	77719.7	82779.6	504.885 ug/L	504.885 ug/L	12:33:31
2	Mo 202.031†	1586.9	1688.8	508.654 ug/L	508.654 ug/L	12:33:51
2	Na 589.592†	59673.7	62871.8	5.03794 mg/L	5.03794 mg/L	12:33:26
2	Ni 231.604†	4369.2	4669.0	499.785 ug/L	499.785 ug/L	12:33:31
2	Pb 220.353†	643.5	762.8	519.909 ug/L	519.909 ug/L	12:33:51
2	Sb 217.584†	1134.8	1204.9	2542.30 ug/L	2542.30 ug/L	12:33:51
2	Se 196.026†	884.3	949.2	2496.73 ug/L	2496.73 ug/L	12:33:51
2	Si 251.611†	16457.9	17042.3	2455.59 ug/L	2455.59 ug/L	12:33:31
2	Sn 189.927†	1042.2	1112.6	2540.45 ug/L	2540.45 ug/L	12:33:51
2	Sr 407.771†	1119721.6	1192275.4	505.838 ug/L	505.838 ug/L	12:33:26
2	Ti 334.946†	102802.7	108328.5	508.223 ug/L	508.223 ug/L	12:33:31
2	Tl 190.801†	408.8	438.9	2616.19 ug/L	2616.19 ug/L	12:33:51
2	V 292.395†	19810.3	21241.7	506.566 ug/L	506.566 ug/L	12:33:31
2	Zn 206.200†	3215.9	3359.9	505.523 ug/L	505.523 ug/L	12:33:51

Mean Data: 2E07042-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	508367.0	93.97	%	0.274				0.29%
Y 371.029	644576.8	93.78	%	0.330				0.35%
Ag 328.068†	21140.7	505.826	ug/L	1.8369	505.826	ug/L	1.8369	0.36%
QC value within limits for Ag 328.068 Recovery = 101.17%								
Al 396.146†	34441.4	2536.72	ug/L	11.005	2536.72	ug/L	11.005	0.43%
QC value within limits for Al 396.146 Recovery = 101.47%								

As 188.979†	863.3	2528.71 ug/L	9.567	2528.71 ug/L	9.567	0.38%
QC value within limits for As 188.979 Recovery = 101.15%						
B 249.769†	20532.3	505.421 ug/L	0.1182	505.421 ug/L	0.1182	0.02%
QC value within limits for B 249.769 Recovery = 101.08%						
Ba 455.403†	271567.2	506.935 ug/L	2.2268	506.935 ug/L	2.2268	0.44%
QC value within limits for Ba 455.403 Recovery = 101.39%						
Be 234.863†	14942.4	50.2570 ug/L	0.06887	50.2570 ug/L	0.06887	0.14%
QC value within limits for Be 234.863 Recovery = 100.51%						
Ca 315.874†	87750.3	5.04272 mg/L	0.017929	5.04272 mg/L	0.017929	0.36%
QC value within limits for Ca 315.874 Recovery = 100.85%						
Cd 214.436†	9148.2	511.468 ug/L	2.6653	511.468 ug/L	2.6653	0.52%
QC value within limits for Cd 214.436 Recovery = 102.29%						
Ce 413.764†	36.3	5.13333 ug/L	3.161879	5.13333 ug/L	3.161879	61.60%
Co 228.616†	3758.1	506.916 ug/L	1.1689	506.916 ug/L	1.1689	0.23%
QC value within limits for Co 228.616 Recovery = 101.38%						
Cr 205.563†	3049.7	508.724 ug/L	2.9909	508.724 ug/L	2.9909	0.59%
QC value within limits for Cr 205.563 Recovery = 101.74%						
Cu 324.741†	7797.7	527.368 ug/L	6.2175	527.368 ug/L	6.2175	1.18%
QC value within limits for Cu 324.741 Recovery = 105.47%						
Fe 238.204†	7498.5	496.564 ug/L	0.4006	496.564 ug/L	0.4006	0.08%
QC value within limits for Fe 238.204 Recovery = 99.31%						
K 766.490†	29780.1	5.04593 mg/L	0.026653	5.04593 mg/L	0.026653	0.53%
QC value within limits for K 766.490 Recovery = 100.92%						
Li 670.784†	123647.9	506.576 ug/L	2.4888	506.576 ug/L	2.4888	0.49%
QC value within limits for Li 670.784 Recovery = 101.32%						
Mg 279.071†	17158.4	5.04036 mg/L	0.046386	5.04036 mg/L	0.046386	0.92%
QC value within limits for Mg 279.071 Recovery = 100.81%						
Mn 257.610†	82940.2	505.861 ug/L	1.3800	505.861 ug/L	1.3800	0.27%
QC value within limits for Mn 257.610 Recovery = 101.17%						
Mo 202.031†	1687.6	508.275 ug/L	0.5357	508.275 ug/L	0.5357	0.11%
QC value within limits for Mo 202.031 Recovery = 101.65%						
Na 589.592†	62663.5	5.02120 mg/L	0.023678	5.02120 mg/L	0.023678	0.47%
QC value within limits for Na 589.592 Recovery = 100.42%						
Ni 231.604†	4698.0	502.869 ug/L	4.3606	502.869 ug/L	4.3606	0.87%
QC value within limits for Ni 231.604 Recovery = 100.57%						
Pb 220.353†	752.3	512.681 ug/L	10.2232	512.681 ug/L	10.2232	1.99%
QC value within limits for Pb 220.353 Recovery = 102.54%						
Sb 217.584†	1202.1	2536.31 ug/L	8.482	2536.31 ug/L	8.482	0.33%
QC value within limits for Sb 217.584 Recovery = 101.45%						
Se 196.026†	952.9	2506.25 ug/L	13.460	2506.25 ug/L	13.460	0.54%
QC value within limits for Se 196.026 Recovery = 100.25%						
Si 251.611†	17057.0	2457.65 ug/L	2.916	2457.65 ug/L	2.916	0.12%
QC value within limits for Si 251.611 Recovery = 98.31%						
Sn 189.927†	1112.7	2540.52 ug/L	0.097	2540.52 ug/L	0.097	0.00%
QC value within limits for Sn 189.927 Recovery = 101.62%						
Sr 407.771†	1188561.7	504.251 ug/L	2.2451	504.251 ug/L	2.2451	0.45%
QC value within limits for Sr 407.771 Recovery = 100.85%						
Ti 334.946†	108615.8	509.561 ug/L	1.8922	509.561 ug/L	1.8922	0.37%
QC value within limits for Ti 334.946 Recovery = 101.91%						
Tl 190.801†	432.3	2576.57 ug/L	56.036	2576.57 ug/L	56.036	2.17%
QC value within limits for Tl 190.801 Recovery = 103.06%						
V 292.395†	21234.8	506.398 ug/L	0.2373	506.398 ug/L	0.2373	0.05%
QC value within limits for V 292.395 Recovery = 101.28%						
Zn 206.200†	3365.8	506.426 ug/L	1.2773	506.426 ug/L	1.2773	0.25%
QC value within limits for Zn 206.200 Recovery = 101.29%						

All analyte(s) passed QC.

Sequence No.: 15
Sample ID: 2E07042-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/7/2012 12:35:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	510111.6	510111.6	94.29	%			12:36:15
1	Y 371.029	643277.4	643277.4	93.59	%			12:36:15
1	Ag 328.068†	-457.8	-68.8	-0.427729	ug/L	-0.427729	ug/L	12:36:15
1	Al 396.146†	408.2	-2.7	-22.3878	ug/L	-22.3878	ug/L	12:36:15

1	As 188.979†	15.6	5.9	21.8802 ug/L	21.8802 ug/L	12:36:35
1	B 249.769†	635.7	225.6	3.93333 ug/L	3.93333 ug/L	12:36:35
1	Ba 455.403†	332.5	18.3	0.615921 ug/L	0.615921 ug/L	12:36:15
1	Be 234.863†	160.7	6.2	0.133986 ug/L	0.133986 ug/L	12:36:35
1	Ca 315.874†	-129.9	-61.5	-0.0486754 mg/L	-0.0486754 mg/L	12:36:15
1	Cd 214.436†	-63.5	-25.3	1.78037 ug/L	1.78037 ug/L	12:36:35
1	Ce 413.764†	-39.7	-140.0	-19.4291 ug/L	-19.4291 ug/L	12:36:15
1	Co 228.616†	-37.1	-6.5	0.335264 ug/L	0.335264 ug/L	12:36:35
1	Cr 205.563†	24.5	-19.2	-0.881852 ug/L	-0.881852 ug/L	12:36:35
1	Cu 324.741†	32.7	187.2	15.2740 ug/L	15.2740 ug/L	12:36:15
1	Fe 238.204†	182.4	73.6	8.28187 ug/L	8.28187 ug/L	12:36:35
1	K 766.490†	2403.1	63.7	0.0165638 mg/L	0.0165638 mg/L	12:36:15
1	Li 670.784†	2109.2	200.8	1.30219 ug/L	1.30219 ug/L	12:36:15
1	Mg 279.071†	129.8	30.4	-0.0039694 mg/L	-0.0039694 mg/L	12:36:35
1	Mn 257.610†	134.1	44.8	1.97170 ug/L	1.97170 ug/L	12:36:35
1	Mo 202.031†	11.5	8.8	5.76610 ug/L	5.76610 ug/L	12:36:35
1	Na 589.592†	672.4	-48.7	-0.0189617 mg/L	-0.0189617 mg/L	12:36:15
1	Ni 231.604†	-6.4	3.1	3.64854 ug/L	3.64854 ug/L	12:36:35
1	Pb 220.353†	-86.8	-15.5	-15.0831 ug/L	-15.0831 ug/L	12:36:35
1	Sb 217.584†	14.9	10.6	26.0489 ug/L	26.0489 ug/L	12:36:35
1	Se 196.026†	-12.6	-7.1	-20.0449 ug/L	-20.0449 ug/L	12:36:35
1	Si 251.611†	538.5	63.5	11.2393 ug/L	11.2393 ug/L	12:36:35
1	Sn 189.927†	1.0	2.3	21.0136 ug/L	21.0136 ug/L	12:36:35
1	Sr 407.771†	1682.1	34.6	-3.43893 ug/L	-3.43893 ug/L	12:36:15
1	Ti 334.946†	1552.7	350.6	5.35626 ug/L	5.35626 ug/L	12:36:15
1	Tl 190.801†	1.3	4.3	18.3446 ug/L	18.3446 ug/L	12:36:35
1	V 292.395†	-50.0	63.9	3.98173 ug/L	3.98173 ug/L	12:36:15
1	Zn 206.200†	76.3	11.5	2.44259 ug/L	2.44259 ug/L	12:36:35
2	Sc 357.234	509789.3	509789.3	94.23 %		12:36:41
2	Y 371.029	643304.4	643304.4	93.59 %		12:36:41
2	Ag 328.068†	-379.3	14.2	1.59193 ug/L	1.59193 ug/L	12:36:41
2	Al 396.146†	414.9	4.7	-20.1351 ug/L	-20.1351 ug/L	12:36:41
2	As 188.979†	-0.6	-11.3	-28.4468 ug/L	-28.4468 ug/L	12:37:02
2	B 249.769†	588.9	176.4	2.71729 ug/L	2.71729 ug/L	12:37:02
2	Ba 455.403†	324.2	9.7	0.602475 ug/L	0.602475 ug/L	12:36:41
2	Be 234.863†	135.0	-20.9	0.0428353 ug/L	0.0428353 ug/L	12:37:02
2	Ca 315.874†	-35.9	38.2	-0.0428959 mg/L	-0.0428959 mg/L	12:36:41
2	Cd 214.436†	-52.4	-13.6	2.43130 ug/L	2.43130 ug/L	12:37:02
2	Ce 413.764†	46.9	-48.1	-6.67095 ug/L	-6.67095 ug/L	12:36:41
2	Co 228.616†	-48.1	-18.3	-1.24516 ug/L	-1.24516 ug/L	12:37:02
2	Cr 205.563†	40.5	-2.2	1.94273 ug/L	1.94273 ug/L	12:37:02
2	Cu 324.741†	54.5	210.3	16.8299 ug/L	16.8299 ug/L	12:36:41
2	Fe 238.204†	181.1	72.3	8.19861 ug/L	8.19861 ug/L	12:37:02
2	K 766.490†	2329.8	-12.5	0.0036718 mg/L	0.0036718 mg/L	12:36:41
2	Li 670.784†	2328.8	435.3	2.26085 ug/L	2.26085 ug/L	12:36:41
2	Mg 279.071†	135.2	36.2	-0.0022464 mg/L	-0.0022464 mg/L	12:37:02
2	Mn 257.610†	134.6	45.4	1.97479 ug/L	1.97479 ug/L	12:37:02
2	Mo 202.031†	9.9	7.1	5.24930 ug/L	5.24930 ug/L	12:37:02
2	Na 589.592†	695.5	-23.6	-0.0169491 mg/L	-0.0169491 mg/L	12:36:41
2	Ni 231.604†	-12.4	-3.3	2.96770 ug/L	2.96770 ug/L	12:37:02
2	Pb 220.353†	-68.2	4.3	-1.57298 ug/L	-1.57298 ug/L	12:37:02
2	Sb 217.584†	10.9	6.5	17.3233 ug/L	17.3233 ug/L	12:37:02
2	Se 196.026†	-14.3	-8.9	-24.6900 ug/L	-24.6900 ug/L	12:37:02
2	Si 251.611†	561.3	88.0	14.8277 ug/L	14.8277 ug/L	12:37:02
2	Sn 189.927†	3.4	4.9	26.8972 ug/L	26.8972 ug/L	12:37:02
2	Sr 407.771†	1772.0	131.0	-3.38902 ug/L	-3.38902 ug/L	12:36:41
2	Ti 334.946†	1516.1	312.7	5.17996 ug/L	5.17996 ug/L	12:36:41
2	Tl 190.801†	3.8	7.1	34.6440 ug/L	34.6440 ug/L	12:37:02
2	V 292.395†	-126.6	-17.5	2.05868 ug/L	2.05868 ug/L	12:36:41
2	Zn 206.200†	56.2	-9.7	-0.753111 ug/L	-0.753111 ug/L	12:37:02

Mean Data: 2E07042-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	509950.4	94.26	%	0.042				0.04%
Y 371.029	643290.9	93.59	%	0.003				0.00%
Ag 328.068†	-27.3	0.582099	ug/L	1.4281129	0.582099	ug/L	1.4281129	245.34%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	1.0	-21.2615	ug/L	1.59291	-21.2615	ug/L	1.59291	7.49%
QC value within limits for Al 396.146 Recovery = Not calculated								
As 188.979†	-2.7	-3.28330	ug/L	35.586508	-3.28330	ug/L	35.586508	>999.9%

	QC value within limits for As 188.979 Recovery = Not calculated							
B 249.769†		201.0	3.32531 ug/L	0.859866	3.32531 ug/L	0.859866	25.86%	
	QC value within limits for B 249.769 Recovery = Not calculated							
Ba 455.403†		14.0	0.609198 ug/L	0.0095080	0.609198 ug/L	0.0095080	1.56%	
	QC value within limits for Ba 455.403 Recovery = Not calculated							
Be 234.863†		-7.4	0.0884104 ug/L	0.06445295	0.0884104 ug/L	0.06445295	72.90%	
	QC value within limits for Be 234.863 Recovery = Not calculated							
Ca 315.874†		-11.6	-0.0457857 mg/L	0.00408674	-0.0457857 mg/L	0.00408674	8.93%	
	QC value within limits for Ca 315.874 Recovery = Not calculated							
Cd 214.436†		-19.5	2.10583 ug/L	0.460276	2.10583 ug/L	0.460276	21.86%	
	QC value within limits for Cd 214.436 Recovery = Not calculated							
Ce 413.764†		-94.0	-13.0500 ug/L	9.02138	-13.0500 ug/L	9.02138	69.13%	
Co 228.616†		-12.4	-0.454946 ug/L	1.1175256	-0.454946 ug/L	1.1175256	245.64%	
	QC value within limits for Co 228.616 Recovery = Not calculated							
Cr 205.563†		-10.7	0.530439 ug/L	1.9972809	0.530439 ug/L	1.9972809	376.53%	
	QC value within limits for Cr 205.563 Recovery = Not calculated							
Cu 324.741†		198.8	16.0520 ug/L	1.10019	16.0520 ug/L	1.10019	6.85%	
	QC value greater than the upper limit for Cu 324.741 Recovery = Not calculated							
Fe 238.204†		73.0	8.24024 ug/L	0.058871	8.24024 ug/L	0.058871	0.71%	
	QC value within limits for Fe 238.204 Recovery = Not calculated							
K 766.490†		25.6	0.0101178 mg/L	0.00911601	0.0101178 mg/L	0.00911601	90.10%	
	QC value within limits for K 766.490 Recovery = Not calculated							
Li 670.784†		318.0	1.78152 ug/L	0.677877	1.78152 ug/L	0.677877	38.05%	
	QC value within limits for Li 670.784 Recovery = Not calculated							
Mg 279.071†		33.3	-0.0031079 mg/L	0.00121837	-0.0031079 mg/L	0.00121837	39.20%	
	QC value within limits for Mg 279.071 Recovery = Not calculated							
Mn 257.610†		45.1	1.97324 ug/L	0.002190	1.97324 ug/L	0.002190	0.11%	
	QC value within limits for Mn 257.610 Recovery = Not calculated							
Mo 202.031†		7.9	5.50770 ug/L	0.365431	5.50770 ug/L	0.365431	6.63%	
	QC value within limits for Mo 202.031 Recovery = Not calculated							
Na 589.592†		-36.2	-0.0179554 mg/L	0.00142311	-0.0179554 mg/L	0.00142311	7.93%	
	QC value within limits for Na 589.592 Recovery = Not calculated							
Ni 231.604†		-0.1	3.30812 ug/L	0.481426	3.30812 ug/L	0.481426	14.55%	
	QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†		-5.6	-8.32802 ug/L	9.553062	-8.32802 ug/L	9.553062	114.71%	
	QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 217.584†		8.5	21.6861 ug/L	6.16996	21.6861 ug/L	6.16996	28.45%	
	QC value within limits for Sb 217.584 Recovery = Not calculated							
Se 196.026†		-8.0	-22.3675 ug/L	3.28456	-22.3675 ug/L	3.28456	14.68%	
	QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†		75.7	13.0335 ug/L	2.53740	13.0335 ug/L	2.53740	19.47%	
	QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†		3.6	23.9554 ug/L	4.16032	23.9554 ug/L	4.16032	17.37%	
	QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†		82.8	-3.41398 ug/L	0.035291	-3.41398 ug/L	0.035291	1.03%	
	QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.946†		331.7	5.26811 ug/L	0.124669	5.26811 ug/L	0.124669	2.37%	
	QC value within limits for Ti 334.946 Recovery = Not calculated							
Tl 190.801†		5.7	26.4943 ug/L	11.52545	26.4943 ug/L	11.52545	43.50%	
	QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†		23.2	3.02020 ug/L	1.359803	3.02020 ug/L	1.359803	45.02%	
	QC value within limits for V 292.395 Recovery = Not calculated							
Zn 206.200†		0.9	0.844740 ug/L	2.2597026	0.844740 ug/L	2.2597026	267.50%	
	QC value within limits for Zn 206.200 Recovery = Not calculated							
QC Failed. Continue with analysis.								

Sequence No.: 16
Sample ID: 1205292-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 17
Date Collected: 5/7/2012 12:38:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205292-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	521113.3	521113.3	96.33	%			12:39:23
1	Y 371.029	659200.3	659200.3	95.90	%			12:39:23
1	Ag 328.068†	-430.7	-30.4	0.567380	ug/L	0.567380	ug/L	12:39:28
1	Al 396.146†	479.0	61.7	-14.2406	ug/L	-14.2406	ug/L	12:39:28
1	As 188.979†	5.6	-4.8	-9.45100	ug/L	-9.45100	ug/L	12:39:48

1	B 249.769†	468.7	38.1	-0.704588 ug/L	-0.704588 ug/L	12:39:28
1	Ba 455.403†	333.7	12.0	0.609336 ug/L	0.609336 ug/L	12:39:28
1	Be 234.863†	116.5	-43.3	-0.0321155 ug/L	-0.0321155 ug/L	12:39:48
1	Ca 315.874†	781.7	887.8	0.0063645 mg/L	0.0063645 mg/L	12:39:28
1	Cd 214.436†	-58.6	-18.8	2.14551 ug/L	2.14551 ug/L	12:39:48
1	Ce 413.764†	131.3	38.5	5.34319 ug/L	5.34319 ug/L	12:39:28
1	Co 228.616†	-53.4	-22.6	-1.82677 ug/L	-1.82677 ug/L	12:39:48
1	Cr 205.563†	52.5	9.4	3.86445 ug/L	3.86445 ug/L	12:39:48
1	Cu 324.741†	1.1	153.7	13.0290 ug/L	13.0290 ug/L	12:39:28
1	Fe 238.204†	180.8	67.8	7.89923 ug/L	7.89923 ug/L	12:39:48
1	K 766.490†	2361.1	-33.8	0.0000686 mg/L	0.0000686 mg/L	12:39:23
1	Li 670.784†	2222.2	270.9	1.58698 ug/L	1.58698 ug/L	12:39:23
1	Mg 279.071†	128.4	26.0	-0.0052504 mg/L	-0.0052504 mg/L	12:39:28
1	Mn 257.610†	115.3	22.3	1.83402 ug/L	1.83402 ug/L	12:39:28
1	Mo 202.031†	2.1	-1.3	2.73989 ug/L	2.73989 ug/L	12:39:48
1	Na 589.592†	881.2	153.0	-0.0027504 mg/L	-0.0027504 mg/L	12:39:28
1	Ni 231.604†	-26.0	-17.2	1.48591 ug/L	1.48591 ug/L	12:39:48
1	Pb 220.353†	-90.6	-17.4	-16.4611 ug/L	-16.4611 ug/L	12:39:48
1	Sb 217.584†	15.9	11.4	27.5903 ug/L	27.5903 ug/L	12:39:48
1	Se 196.026†	-8.4	-2.4	-7.60390 ug/L	-7.60390 ug/L	12:39:48
1	Si 251.611†	560.0	73.7	12.7871 ug/L	12.7871 ug/L	12:39:48
1	Sn 189.927†	-4.1	-3.0	8.98741 ug/L	8.98741 ug/L	12:39:48
1	Sr 407.771†	1426.3	-268.6	-3.55610 ug/L	-3.55610 ug/L	12:39:28
1	Ti 334.946†	1488.6	249.3	4.88453 ug/L	4.88453 ug/L	12:39:28
1	Tl 190.801†	-4.3	-1.5	-16.2508 ug/L	-16.2508 ug/L	12:39:48
1	V 292.395†	-98.5	14.6	2.79225 ug/L	2.79225 ug/L	12:39:28
1	Zn 206.200†	95.0	29.2	5.10043 ug/L	5.10043 ug/L	12:39:48
2	Sc 357.234	516713.3	516713.3	95.51 %		12:39:53
2	Y 371.029	653613.8	653613.8	95.09 %		12:39:53
2	Ag 328.068†	-459.0	-63.9	-0.290531 ug/L	-0.290531 ug/L	12:39:58
2	Al 396.146†	278.2	-144.4	-32.1256 ug/L	-32.1256 ug/L	12:39:58
2	As 188.979†	13.6	3.7	15.3054 ug/L	15.3054 ug/L	12:40:19
2	B 249.769†	483.0	57.2	-0.232858 ug/L	-0.232858 ug/L	12:39:58
2	Ba 455.403†	258.8	-63.3	0.465018 ug/L	0.465018 ug/L	12:39:58
2	Be 234.863†	138.9	-18.8	0.0497566 ug/L	0.0497566 ug/L	12:40:19
2	Ca 315.874†	628.9	734.7	-0.0025108 mg/L	-0.0025108 mg/L	12:39:58
2	Cd 214.436†	-61.4	-22.3	1.95052 ug/L	1.95052 ug/L	12:40:19
2	Ce 413.764†	4.3	-93.3	-12.9509 ug/L	-12.9509 ug/L	12:39:58
2	Co 228.616†	-42.0	-11.2	-0.290481 ug/L	-0.290481 ug/L	12:40:19
2	Cr 205.563†	35.9	-7.6	1.04665 ug/L	1.04665 ug/L	12:40:19
2	Cu 324.741†	-33.4	117.6	10.6025 ug/L	10.6025 ug/L	12:39:58
2	Fe 238.204†	193.8	83.1	8.90688 ug/L	8.90688 ug/L	12:40:19
2	K 766.490†	2390.9	18.4	0.0088903 mg/L	0.0088903 mg/L	12:39:53
2	Li 670.784†	2256.8	326.8	1.81741 ug/L	1.81741 ug/L	12:39:53
2	Mg 279.071†	59.1	-45.4	-0.0262751 mg/L	-0.0262751 mg/L	12:39:58
2	Mn 257.610†	122.3	30.6	1.88520 ug/L	1.88520 ug/L	12:39:58
2	Mo 202.031†	11.7	8.8	5.77720 ug/L	5.77720 ug/L	12:40:19
2	Na 589.592†	768.0	42.3	-0.0116495 mg/L	-0.0116495 mg/L	12:39:58
2	Ni 231.604†	2.1	12.0	4.59619 ug/L	4.59619 ug/L	12:40:19
2	Pb 220.353†	-65.5	8.1	1.02516 ug/L	1.02516 ug/L	12:40:19
2	Sb 217.584†	28.5	24.7	55.6824 ug/L	55.6824 ug/L	12:40:19
2	Se 196.026†	7.5	14.1	35.8915 ug/L	35.8915 ug/L	12:40:19
2	Si 251.611†	558.5	77.1	13.2466 ug/L	13.2466 ug/L	12:40:19
2	Sn 189.927†	-5.4	-4.4	5.88074 ug/L	5.88074 ug/L	12:40:19
2	Sr 407.771†	1420.9	-261.7	-3.56550 ug/L	-3.56550 ug/L	12:39:58
2	Ti 334.946†	1517.0	292.2	5.08412 ug/L	5.08412 ug/L	12:39:58
2	Tl 190.801†	-3.3	-0.5	-10.3801 ug/L	-10.3801 ug/L	12:40:19
2	V 292.395†	-115.9	-4.4	2.37199 ug/L	2.37199 ug/L	12:39:58
2	Zn 206.200†	91.8	26.7	4.73733 ug/L	4.73733 ug/L	12:40:19

Mean Data: 1205292-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	518913.3	95.92	%	0.575				0.60%
Y 371.029	656407.1	95.50	%	0.575				0.60%
Ag 328.068†	-47.1	0.138424	ug/L	0.6066345	0.138424	ug/L	0.6066345	438.24%
Al 396.146†	-41.4	-23.1831	ug/L	12.64656	-23.1831	ug/L	12.64656	54.55%
As 188.979†	-0.6	2.92718	ug/L	17.505394	2.92718	ug/L	17.505394	598.03%
B 249.769†	47.6	-0.468723	ug/L	0.3335631	-0.468723	ug/L	0.3335631	71.16%
Ba 455.403†	-25.7	0.537177	ug/L	0.1020481	0.537177	ug/L	0.1020481	19.00%
Be 234.863†	-31.1	0.0088206	ug/L	0.05789227	0.0088206	ug/L	0.05789227	656.33%

Ca 315.874†	811.3	0.0019269 mg/L	0.00627579	0.0019269 mg/L	0.00627579	325.70%
Cd 214.436†	-20.5	2.04802 ug/L	0.137880	2.04802 ug/L	0.137880	6.73%
Ce 413.764†	-27.4	-3.80384 ug/L	12.935857	-3.80384 ug/L	12.935857	340.07%
Co 228.616†	-16.9	-1.05863 ug/L	1.086322	-1.05863 ug/L	1.086322	102.62%
Cr 205.563†	0.9	2.45555 ug/L	1.992490	2.45555 ug/L	1.992490	81.14%
Cu 324.741†	135.6	11.8158 ug/L	1.71580	11.8158 ug/L	1.71580	14.52%
Fe 238.204†	75.5	8.40306 ug/L	0.712514	8.40306 ug/L	0.712514	8.48%
K 766.490†	-7.7	0.0044795 mg/L	0.00623787	0.0044795 mg/L	0.00623787	139.25%
Li 670.784†	298.9	1.70219 ug/L	0.162938	1.70219 ug/L	0.162938	9.57%
Mg 279.071†	-9.7	-0.0157627 mg/L	0.01486667	-0.0157627 mg/L	0.01486667	94.32%
Mn 257.610†	26.4	1.85961 ug/L	0.036190	1.85961 ug/L	0.036190	1.95%
Mo 202.031†	3.7	4.25855 ug/L	2.147704	4.25855 ug/L	2.147704	50.43%
Na 589.592†	97.7	-0.0072000 mg/L	0.00629260	-0.0072000 mg/L	0.00629260	87.40%
Ni 231.604†	-2.6	3.04105 ug/L	2.199302	3.04105 ug/L	2.199302	72.32%
Pb 220.353†	-4.7	-7.71799 ug/L	12.364681	-7.71799 ug/L	12.364681	160.21%
Sb 217.584†	18.0	41.6364 ug/L	19.86406	41.6364 ug/L	19.86406	47.71%
Se 196.026†	5.8	14.1438 ug/L	30.75591	14.1438 ug/L	30.75591	217.45%
Si 251.611†	75.4	13.0169 ug/L	0.32495	13.0169 ug/L	0.32495	2.50%
Sn 189.927†	-3.7	7.43408 ug/L	2.196748	7.43408 ug/L	2.196748	29.55%
Sr 407.771†	-265.2	-3.56080 ug/L	0.006650	-3.56080 ug/L	0.006650	0.19%
Ti 334.946†	270.7	4.98433 ug/L	0.141131	4.98433 ug/L	0.141131	2.83%
Tl 190.801†	-1.0	-13.3155 ug/L	4.15117	-13.3155 ug/L	4.15117	31.18%
V 292.395†	5.1	2.58212 ug/L	0.297172	2.58212 ug/L	0.297172	11.51%
Zn 206.200†	27.9	4.91888 ug/L	0.256753	4.91888 ug/L	0.256753	5.22%

Sequence No.: 17
Sample ID: 1205292-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 5/7/2012 12:41:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205292-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	524093.1	524093.1	96.88	%			12:42:41
1	Y 371.029	666081.1	666081.1	96.90	%			12:42:41
1	Ag 328.068†	14791.8	15685.2	375.657	ug/L	375.657	ug/L	12:42:46
1	Al 396.146†	25005.0	25375.2	1858.13	ug/L	1858.13	ug/L	12:42:46
1	As 188.979†	644.7	654.8	1899.96	ug/L	1899.96	ug/L	12:43:07
1	B 249.769†	14869.0	14899.6	366.270	ug/L	366.270	ug/L	12:42:46
1	Ba 455.403†	196715.3	202720.0	378.568	ug/L	378.568	ug/L	12:42:41
1	Be 234.863†	11094.2	11287.4	37.9900	ug/L	37.9900	ug/L	12:42:46
1	Ca 315.874†	310098.8	320168.0	18.5185	mg/L	18.5185	mg/L	12:42:41
1	Cd 214.436†	6556.7	6810.0	381.555	ug/L	381.555	ug/L	12:43:07
1	Ce 413.764†	176.8	84.7	11.4426	ug/L	11.4426	ug/L	12:42:46
1	Co 228.616†	2721.0	2841.5	383.589	ug/L	383.589	ug/L	12:43:07
1	Cr 205.563†	2256.1	2283.6	381.510	ug/L	381.510	ug/L	12:43:07
1	Cu 324.741†	5335.2	5659.6	384.000	ug/L	384.000	ug/L	12:42:46
1	Fe 238.204†	5875.1	5944.6	394.378	ug/L	394.378	ug/L	12:43:07
1	K 766.490†	109934.1	110991.8	18.7906	mg/L	18.7906	mg/L	12:42:41
1	Li 670.784†	91541.3	92455.2	378.902	ug/L	378.902	ug/L	12:42:41
1	Mg 279.071†	62560.9	64469.6	18.9739	mg/L	18.9739	mg/L	12:42:46
1	Mn 257.610†	60106.9	61946.4	378.252	ug/L	378.252	ug/L	12:42:46
1	Mo 202.031†	1267.1	1304.4	389.905	ug/L	389.905	ug/L	12:43:07
1	Na 589.592†	227727.9	234304.7	18.8159	mg/L	18.8159	mg/L	12:42:41
1	Ni 231.604†	3447.9	3568.8	382.818	ug/L	382.818	ug/L	12:43:07
1	Pb 220.353†	475.4	567.4	385.543	ug/L	385.543	ug/L	12:43:07
1	Sb 217.584†	903.3	927.2	1957.46	ug/L	1957.46	ug/L	12:43:07
1	Se 196.026†	704.3	733.3	1923.02	ug/L	1923.02	ug/L	12:43:07
1	Si 251.611†	11979.1	11857.5	1706.94	ug/L	1706.94	ug/L	12:42:46
1	Sn 189.927†	824.8	852.6	1954.97	ug/L	1954.97	ug/L	12:43:07
1	Sr 407.771†	864269.0	890370.4	375.420	ug/L	375.420	ug/L	12:42:41
1	Ti 334.946†	80837.6	82146.5	386.290	ug/L	386.290	ug/L	12:42:46
1	Tl 190.801†	307.9	320.8	1910.33	ug/L	1910.33	ug/L	12:43:07
1	V 292.395†	15446.4	16061.0	383.685	ug/L	383.685	ug/L	12:42:46
1	Zn 206.200†	2509.0	2520.5	378.388	ug/L	378.388	ug/L	12:43:07
2	Sc 357.234	523551.1	523551.1	96.78	%			12:43:14
2	Y 371.029	665286.1	665286.1	96.79	%			12:43:14
2	Ag 328.068†	14977.3	15892.7	380.623	ug/L	380.623	ug/L	12:43:19
2	Al 396.146†	25100.9	25501.0	1867.97	ug/L	1867.97	ug/L	12:43:19

2	As 188.979†	637.5	648.1	1880.02 ug/L	1880.02 ug/L	12:43:40
2	B 249.769†	15224.2	15282.6	375.743 ug/L	375.743 ug/L	12:43:19
2	Ba 455.403†	196924.5	203146.4	379.364 ug/L	379.364 ug/L	12:43:14
2	Be 234.863†	11099.4	11304.7	38.0480 ug/L	38.0480 ug/L	12:43:19
2	Ca 315.874†	310159.3	320561.9	18.5413 mg/L	18.5413 mg/L	12:43:14
2	Cd 214.436†	6567.0	6827.6	382.540 ug/L	382.540 ug/L	12:43:40
2	Ce 413.764†	205.7	114.7	15.6217 ug/L	15.6217 ug/L	12:43:19
2	Co 228.616†	2712.3	2835.5	382.770 ug/L	382.770 ug/L	12:43:40
2	Cr 205.563†	2262.4	2292.5	382.988 ug/L	382.988 ug/L	12:43:40
2	Cu 324.741†	5388.5	5720.4	388.096 ug/L	388.096 ug/L	12:43:19
2	Fe 238.204†	5845.0	5919.8	392.740 ug/L	392.740 ug/L	12:43:40
2	K 766.490†	109853.7	111026.3	18.7965 mg/L	18.7965 mg/L	12:43:14
2	Li 670.784†	91615.4	92629.6	379.615 ug/L	379.615 ug/L	12:43:14
2	Mg 279.071†	63435.1	65439.7	19.2596 mg/L	19.2596 mg/L	12:43:19
2	Mn 257.610†	60859.9	62788.7	383.372 ug/L	383.372 ug/L	12:43:19
2	Mo 202.031†	1277.0	1316.1	393.327 ug/L	393.327 ug/L	12:43:40
2	Na 589.592†	227593.8	234409.4	18.8244 mg/L	18.8244 mg/L	12:43:14
2	Ni 231.604†	3436.5	3560.7	381.962 ug/L	381.962 ug/L	12:43:40
2	Pb 220.353†	478.7	571.3	388.252 ug/L	388.252 ug/L	12:43:40
2	Sb 217.584†	901.0	925.9	1954.65 ug/L	1954.65 ug/L	12:43:40
2	Se 196.026†	698.0	727.5	1907.87 ug/L	1907.87 ug/L	12:43:40
2	Si 251.611†	12160.0	12057.2	1735.69 ug/L	1735.69 ug/L	12:43:19
2	Sn 189.927†	826.0	854.8	1959.86 ug/L	1959.86 ug/L	12:43:40
2	Sr 407.771†	865303.5	892362.9	376.273 ug/L	376.273 ug/L	12:43:14
2	Ti 334.946†	82054.8	83490.6	392.550 ug/L	392.550 ug/L	12:43:19
2	Tl 190.801†	308.4	321.6	1915.31 ug/L	1915.31 ug/L	12:43:40
2	V 292.395†	15750.2	16391.5	391.492 ug/L	391.492 ug/L	12:43:19
2	Zn 206.200†	2521.1	2535.7	380.660 ug/L	380.660 ug/L	12:43:40

Mean Data: 1205292-BS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	523822.1	96.83	%	0.071				0.07%
Y 371.029	665683.6	96.85	%	0.082				0.08%
Ag 328.068†	15789.0	378.140	ug/L	3.5117	378.140	ug/L	3.5117	0.93%
Al 396.146†	25438.1	1863.05	ug/L	6.958	1863.05	ug/L	6.958	0.37%
As 188.979†	651.5	1889.99	ug/L	14.100	1889.99	ug/L	14.100	0.75%
B 249.769†	15091.1	371.006	ug/L	6.6982	371.006	ug/L	6.6982	1.81%
Ba 455.403†	202933.2	378.966	ug/L	0.5628	378.966	ug/L	0.5628	0.15%
Be 234.863†	11296.0	38.0190	ug/L	0.04106	38.0190	ug/L	0.04106	0.11%
Ca 315.874†	320364.9	18.5299	mg/L	0.01615	18.5299	mg/L	0.01615	0.09%
Cd 214.436†	6818.8	382.048	ug/L	0.6965	382.048	ug/L	0.6965	0.18%
Ce 413.764†	99.7	13.5321	ug/L	2.95508	13.5321	ug/L	2.95508	21.84%
Co 228.616†	2838.5	383.179	ug/L	0.5790	383.179	ug/L	0.5790	0.15%
Cr 205.563†	2288.1	382.249	ug/L	1.0453	382.249	ug/L	1.0453	0.27%
Cu 324.741†	5690.0	386.048	ug/L	2.8965	386.048	ug/L	2.8965	0.75%
Fe 238.204†	5932.2	393.559	ug/L	1.1580	393.559	ug/L	1.1580	0.29%
K 766.490†	111009.1	18.7936	mg/L	0.00412	18.7936	mg/L	0.00412	0.02%
Li 670.784†	92542.4	379.259	ug/L	0.5044	379.259	ug/L	0.5044	0.13%
Mg 279.071†	64954.7	19.1167	mg/L	0.20202	19.1167	mg/L	0.20202	1.06%
Mn 257.610†	62367.5	380.812	ug/L	3.6205	380.812	ug/L	3.6205	0.95%
Mo 202.031†	1310.3	391.616	ug/L	2.4201	391.616	ug/L	2.4201	0.62%
Na 589.592†	234357.0	18.8201	mg/L	0.00595	18.8201	mg/L	0.00595	0.03%
Ni 231.604†	3564.8	382.390	ug/L	0.6050	382.390	ug/L	0.6050	0.16%
Pb 220.353†	569.3	386.898	ug/L	1.9157	386.898	ug/L	1.9157	0.50%
Sb 217.584†	926.5	1956.06	ug/L	1.988	1956.06	ug/L	1.988	0.10%
Se 196.026†	730.4	1915.44	ug/L	10.713	1915.44	ug/L	10.713	0.56%
Si 251.611†	11957.3	1721.32	ug/L	20.331	1721.32	ug/L	20.331	1.18%
Sn 189.927†	853.7	1957.42	ug/L	3.457	1957.42	ug/L	3.457	0.18%
Sr 407.771†	891366.7	375.846	ug/L	0.6029	375.846	ug/L	0.6029	0.16%
Ti 334.946†	82818.5	389.420	ug/L	4.4264	389.420	ug/L	4.4264	1.14%
Tl 190.801†	321.2	1912.82	ug/L	3.523	1912.82	ug/L	3.523	0.18%
V 292.395†	16226.3	387.589	ug/L	5.5203	387.589	ug/L	5.5203	1.42%
Zn 206.200†	2528.1	379.524	ug/L	1.6063	379.524	ug/L	1.6063	0.42%

Sequence No.: 18
Sample ID: 1204454-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 5/7/2012 12:44:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204454-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	540088.6	540088.6	99.83	%			12:46:03
1	Y 371.029	688210.1	688210.1	100.1	%			12:46:03
1	Ag 328.068†	-458.9	-43.0	0.257489	ug/L	0.257489	ug/L	12:46:09
1	Al 396.146†	763.8	329.5	-13.4010	ug/L	-13.4010	ug/L	12:46:09
1	As 188.979†	30.7	20.1	33.2556	ug/L	33.2556	ug/L	12:46:29
1	B 249.769†	2438.8	1994.3	47.6472	ug/L	47.6472	ug/L	12:46:29
1	Ba 455.403†	59764.9	59529.4	111.579	ug/L	111.579	ug/L	12:46:03
1	Be 234.863†	140.8	-23.2	0.0329921	ug/L	0.0329921	ug/L	12:46:29
1	Ca 315.874†	742478.9	743783.2	43.0801	mg/L	43.0801	mg/L	12:46:03
1	Cd 214.436†	-57.4	-15.5	2.32606	ug/L	2.32606	ug/L	12:46:29
1	Ce 413.764†	104.7	7.1	-0.118969	ug/L	-0.118969	ug/L	12:46:09
1	Co 228.616†	-28.4	4.4	1.82925	ug/L	1.82925	ug/L	12:46:29
1	Cr 205.563†	26.1	-19.0	-0.873489	ug/L	-0.873489	ug/L	12:46:29
1	Cu 324.741†	3.6	156.1	14.5208	ug/L	14.5208	ug/L	12:46:09
1	Fe 238.204†	480.2	361.2	27.1950	ug/L	27.1950	ug/L	12:46:29
1	K 766.490†	17546.7	15090.9	2.55985	mg/L	2.55985	mg/L	12:46:09
1	Li 670.784†	5961.7	3935.6	16.5870	ug/L	16.5870	ug/L	12:46:09
1	Mg 279.071†	21079.8	21007.4	6.17392	mg/L	6.17392	mg/L	12:46:09
1	Mn 257.610†	426.0	329.2	3.70319	ug/L	3.70319	ug/L	12:46:29
1	Mo 202.031†	47.6	44.2	14.8962	ug/L	14.8962	ug/L	12:46:29
1	Na 589.592†	287995.0	287709.6	23.1081	mg/L	23.1081	mg/L	12:46:03
1	Ni 231.604†	132.2	142.3	18.4634	ug/L	18.4634	ug/L	12:46:29
1	Pb 220.353†	-78.3	-1.7	-5.68376	ug/L	-5.68376	ug/L	12:46:29
1	Sb 217.584†	12.3	7.2	19.2414	ug/L	19.2414	ug/L	12:46:29
1	Se 196.026†	0.6	6.9	1.15126	ug/L	1.15126	ug/L	12:46:29
1	Si 251.611†	89204.4	88844.2	12972.2	ug/L	12972.2	ug/L	12:46:09
1	Sn 189.927†	-13.2	-11.9	1.97862	ug/L	1.97862	ug/L	12:46:29
1	Sr 407.771†	676497.0	675866.5	281.258	ug/L	281.258	ug/L	12:46:03
1	Ti 334.946†	-151.1	-1447.4	-3.01742	ug/L	-3.01742	ug/L	12:46:09
1	Tl 190.801†	-2.0	1.0	-1.32804	ug/L	-1.32804	ug/L	12:46:29
1	V 292.395†	88.3	205.4	7.40515	ug/L	7.40515	ug/L	12:46:09
1	Zn 206.200†	324.1	255.2	37.8632	ug/L	37.8632	ug/L	12:46:29
2	Sc 357.234	538254.9	538254.9	99.50	%			12:46:36
2	Y 371.029	685569.5	685569.5	99.74	%			12:46:36
2	Ag 328.068†	-366.1	48.8	2.49814	ug/L	2.49814	ug/L	12:46:41
2	Al 396.146†	800.4	368.8	-8.38887	ug/L	-8.38887	ug/L	12:46:41
2	As 188.979†	25.5	15.0	18.1659	ug/L	18.1659	ug/L	12:47:01
2	B 249.769†	2421.7	1985.4	47.4264	ug/L	47.4264	ug/L	12:47:01
2	Ba 455.403†	59758.6	59727.0	111.951	ug/L	111.951	ug/L	12:46:36
2	Be 234.863†	126.4	-37.2	-0.0139267	ug/L	-0.0139267	ug/L	12:47:01
2	Ca 315.874†	746079.6	749935.7	43.4368	mg/L	43.4368	mg/L	12:46:36
2	Cd 214.436†	-45.2	-3.4	2.99385	ug/L	2.99385	ug/L	12:47:01
2	Ce 413.764†	226.3	129.6	16.8788	ug/L	16.8788	ug/L	12:46:41
2	Co 228.616†	-27.4	5.3	1.94993	ug/L	1.94993	ug/L	12:47:01
2	Cr 205.563†	40.7	-4.2	1.58055	ug/L	1.58055	ug/L	12:47:01
2	Cu 324.741†	-1.4	151.1	14.1947	ug/L	14.1947	ug/L	12:46:41
2	Fe 238.204†	486.3	368.9	27.7039	ug/L	27.7039	ug/L	12:47:01
2	K 766.490†	17565.0	15169.1	2.57309	mg/L	2.57309	mg/L	12:46:41
2	Li 670.784†	6166.1	4161.3	17.5093	ug/L	17.5093	ug/L	12:46:41
2	Mg 279.071†	21228.8	21229.1	6.23920	mg/L	6.23920	mg/L	12:46:41
2	Mn 257.610†	391.8	296.3	3.50284	ug/L	3.50284	ug/L	12:47:01
2	Mo 202.031†	50.8	47.7	15.9057	ug/L	15.9057	ug/L	12:47:01
2	Na 589.592†	288608.3	289308.7	23.2366	mg/L	23.2366	mg/L	12:46:36
2	Ni 231.604†	134.0	144.5	18.7005	ug/L	18.7005	ug/L	12:47:01
2	Pb 220.353†	-64.7	11.6	3.41769	ug/L	3.41769	ug/L	12:47:01
2	Sb 217.584†	23.0	18.0	41.9548	ug/L	41.9548	ug/L	12:47:01
2	Se 196.026†	-9.2	-3.0	-25.0131	ug/L	-25.0131	ug/L	12:47:01
2	Si 251.611†	90456.3	90406.9	13200.4	ug/L	13200.4	ug/L	12:46:41
2	Sn 189.927†	-11.9	-10.7	4.94895	ug/L	4.94895	ug/L	12:47:01
2	Sr 407.771†	679467.1	681160.0	283.498	ug/L	283.498	ug/L	12:46:36
2	Ti 334.946†	-313.0	-1610.6	-3.77752	ug/L	-3.77752	ug/L	12:46:41
2	Tl 190.801†	4.4	7.4	36.5908	ug/L	36.5908	ug/L	12:47:01
2	V 292.395†	-26.2	90.5	4.70782	ug/L	4.70782	ug/L	12:46:41
2	Zn 206.200†	329.0	261.3	38.7649	ug/L	38.7649	ug/L	12:47:01

Mean Data: 1204454-01

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	539171.8	99.67	%	0.240				0.24%
Y 371.029	686889.8	99.93	%	0.272				0.27%
Ag 328.068†	2.9	1.37781	ug/L	1.584377	1.37781	ug/L	1.584377	114.99%
Al 396.146†	349.2	-10.8949	ug/L	3.54410	-10.8949	ug/L	3.54410	32.53%
As 188.979†	17.6	25.7108	ug/L	10.67003	25.7108	ug/L	10.67003	41.50%
B 249.769†	1989.9	47.5368	ug/L	0.15615	47.5368	ug/L	0.15615	0.33%
Ba 455.403†	59628.2	111.765	ug/L	0.2630	111.765	ug/L	0.2630	0.24%
Be 234.863†	-30.2	0.0095327	ug/L	0.03317664	0.0095327	ug/L	0.03317664	348.03%
Ca 315.874†	746859.5	43.2584	mg/L	0.25225	43.2584	mg/L	0.25225	0.58%
Cd 214.436†	-9.4	2.65995	ug/L	0.472203	2.65995	ug/L	0.472203	17.75%
Ce 413.764†	68.3	8.37990	ug/L	12.019218	8.37990	ug/L	12.019218	143.43%
Co 228.616†	4.8	1.88959	ug/L	0.085334	1.88959	ug/L	0.085334	4.52%
Cr 205.563†	-11.6	0.353529	ug/L	1.7352657	0.353529	ug/L	1.7352657	490.84%
Cu 324.741†	153.6	14.3578	ug/L	0.23058	14.3578	ug/L	0.23058	1.61%
Fe 238.204†	365.0	27.4494	ug/L	0.35985	27.4494	ug/L	0.35985	1.31%
K 766.490†	15130.0	2.56647	mg/L	0.009358	2.56647	mg/L	0.009358	0.36%
Li 670.784†	4048.4	17.0481	ug/L	0.65215	17.0481	ug/L	0.65215	3.83%
Mg 279.071†	21118.3	6.20656	mg/L	0.046162	6.20656	mg/L	0.046162	0.74%
Mn 257.610†	312.8	3.60301	ug/L	0.141667	3.60301	ug/L	0.141667	3.93%
Mo 202.031†	46.0	15.4009	ug/L	0.71383	15.4009	ug/L	0.71383	4.63%
Na 589.592†	288509.1	23.1723	mg/L	0.09088	23.1723	mg/L	0.09088	0.39%
Ni 231.604†	143.4	18.5820	ug/L	0.16762	18.5820	ug/L	0.16762	0.90%
Pb 220.353†	4.9	-1.13304	ug/L	6.435696	-1.13304	ug/L	6.435696	568.00%
Sb 217.584†	12.6	30.5981	ug/L	16.06081	30.5981	ug/L	16.06081	52.49%
Se 196.026†	1.9	-11.9309	ug/L	18.50102	-11.9309	ug/L	18.50102	155.07%
Si 251.611†	89625.6	13086.3	ug/L	161.34	13086.3	ug/L	161.34	1.23%
Sn 189.927†	-11.3	3.46378	ug/L	2.100339	3.46378	ug/L	2.100339	60.64%
Sr 407.771†	678513.3	282.378	ug/L	1.5841	282.378	ug/L	1.5841	0.56%
Ti 334.946†	-1529.0	-3.39747	ug/L	0.537473	-3.39747	ug/L	0.537473	15.82%
Tl 190.801†	4.2	17.6314	ug/L	26.81265	17.6314	ug/L	26.81265	152.07%
V 292.395†	147.9	6.05648	ug/L	1.907295	6.05648	ug/L	1.907295	31.49%
Zn 206.200†	258.2	38.3141	ug/L	0.63760	38.3141	ug/L	0.63760	1.66%

Sequence No.: 19
Sample ID: 1205292-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 20
Date Collected: 5/7/2012 12:48:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205292-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Sc 357.234	531760.6	531760.6	98.30	%			12:49:27
1	Y 371.029	676321.0	676321.0	98.39	%			12:49:27
1	Ag 328.068†	14151.4	14813.6	354.835	ug/L	354.835	ug/L	12:49:32
1	Al 396.146†	24341.2	24327.7	1761.53	ug/L	1761.53	ug/L	12:49:32
1	As 188.979†	641.3	641.8	1832.88	ug/L	1832.88	ug/L	12:49:52
1	B 249.769†	16299.5	16133.6	396.798	ug/L	396.798	ug/L	12:49:32
1	Ba 455.403†	247283.0	251236.8	469.027	ug/L	469.027	ug/L	12:49:27
1	Be 234.863†	10737.2	10759.2	36.2162	ug/L	36.2162	ug/L	12:49:32
1	Ca 315.874†	1026396.9	1044271.9	60.5026	mg/L	60.5026	mg/L	12:49:27
1	Cd 214.436†	6253.2	6403.6	358.975	ug/L	358.975	ug/L	12:49:52
1	Ce 413.764†	132.2	36.7	3.69376	ug/L	3.69376	ug/L	12:49:32
1	Co 228.616†	2552.2	2629.3	355.064	ug/L	355.064	ug/L	12:49:52
1	Cr 205.563†	2144.2	2136.2	357.005	ug/L	357.005	ug/L	12:49:52
1	Cu 324.741†	5018.5	5258.1	358.292	ug/L	358.292	ug/L	12:49:32
1	Fe 238.204†	5850.9	5832.5	386.999	ug/L	386.999	ug/L	12:49:52
1	K 766.490†	122140.0	121773.2	20.6153	mg/L	20.6153	mg/L	12:49:32
1	Li 670.784†	92458.2	92025.5	377.144	ug/L	377.144	ug/L	12:49:32
1	Mg 279.071†	80590.8	81881.0	24.1016	mg/L	24.1016	mg/L	12:49:32
1	Mn 257.610†	57098.6	57991.2	354.215	ug/L	354.215	ug/L	12:49:32
1	Mo 202.031†	1253.9	1272.3	378.988	ug/L	378.988	ug/L	12:49:52
1	Na 589.592†	504769.3	512760.7	41.1954	mg/L	41.1954	mg/L	12:49:27
1	Ni 231.604†	3400.4	3469.2	372.264	ug/L	372.264	ug/L	12:49:52
1	Pb 220.353†	457.8	542.4	368.391	ug/L	368.391	ug/L	12:49:52
1	Sb 217.584†	844.9	854.4	1804.52	ug/L	1804.52	ug/L	12:49:52
1	Se 196.026†	690.5	708.7	1843.07	ug/L	1843.07	ug/L	12:49:52
1	Si 251.611†	89195.5	90234.6	13150.7	ug/L	13150.7	ug/L	12:49:32

1	Sn 189.927†	798.1	813.2	1878.49 ug/L	1878.49 ug/L	12:49:52
1	Sr 407.771†	1491293.9	1515405.1	638.492 ug/L	638.492 ug/L	12:49:27
1	Ti 334.946†	75365.3	75376.1	354.760 ug/L	354.760 ug/L	12:49:32
1	Tl 190.801†	290.6	298.6	1777.58 ug/L	1777.58 ug/L	12:49:52
1	V 292.395†	14944.6	15320.6	366.192 ug/L	366.192 ug/L	12:49:32
1	Zn 206.200†	2616.4	2592.3	388.033 ug/L	388.033 ug/L	12:49:52
2	Sc 357.234	522721.9	522721.9	96.62 %		12:50:01
2	Y 371.029	664094.1	664094.1	96.62 %		12:50:01
2	Ag 328.068†	14315.2	15232.0	364.808 ug/L	364.808 ug/L	12:50:07
2	Al 396.146†	24704.9	25132.3	1820.42 ug/L	1820.42 ug/L	12:50:07
2	As 188.979†	644.9	656.9	1875.78 ug/L	1875.78 ug/L	12:50:27
2	B 249.769†	16530.3	16659.2	409.780 ug/L	409.780 ug/L	12:50:07
2	Ba 455.403†	248252.4	256590.1	479.007 ug/L	479.007 ug/L	12:50:01
2	Be 234.863†	10788.8	11001.4	37.0289 ug/L	37.0289 ug/L	12:50:07
2	Ca 315.874†	1032145.6	1068277.3	61.8945 mg/L	61.8945 mg/L	12:50:01
2	Cd 214.436†	6261.7	6522.4	365.575 ug/L	365.575 ug/L	12:50:27
2	Ce 413.764†	107.3	13.2	0.406618 ug/L	0.406618 ug/L	12:50:07
2	Co 228.616†	2554.9	2677.0	361.476 ug/L	361.476 ug/L	12:50:27
2	Cr 205.563†	2150.8	2180.8	364.412 ug/L	364.412 ug/L	12:50:27
2	Cu 324.741†	5079.6	5409.6	368.528 ug/L	368.528 ug/L	12:50:07
2	Fe 238.204†	5904.1	5990.5	397.391 ug/L	397.391 ug/L	12:50:27
2	K 766.490†	122577.7	124374.8	21.0556 mg/L	21.0556 mg/L	12:50:07
2	Li 670.784†	93531.3	94762.6	388.348 ug/L	388.348 ug/L	12:50:07
2	Mg 279.071†	81292.6	84025.1	24.7331 mg/L	24.7331 mg/L	12:50:07
2	Mn 257.610†	57617.9	59533.1	363.586 ug/L	363.586 ug/L	12:50:07
2	Mo 202.031†	1252.6	1292.9	385.024 ug/L	385.024 ug/L	12:50:27
2	Na 589.592†	504478.7	521339.6	41.8848 mg/L	41.8848 mg/L	12:50:01
2	Ni 231.604†	3387.7	3515.9	377.232 ug/L	377.232 ug/L	12:50:27
2	Pb 220.353†	439.7	531.7	361.122 ug/L	361.122 ug/L	12:50:27
2	Sb 217.584†	862.8	887.8	1874.65 ug/L	1874.65 ug/L	12:50:27
2	Se 196.026†	687.5	717.8	1866.51 ug/L	1866.51 ug/L	12:50:27
2	Si 251.611†	89879.4	92511.4	13482.4 ug/L	13482.4 ug/L	12:50:07
2	Sn 189.927†	788.8	817.7	1888.92 ug/L	1888.92 ug/L	12:50:27
2	Sr 407.771†	1498033.9	1548614.4	652.551 ug/L	652.551 ug/L	12:50:01
2	Ti 334.946†	76274.6	77643.0	365.317 ug/L	365.317 ug/L	12:50:07
2	Tl 190.801†	293.4	306.7	1825.87 ug/L	1825.87 ug/L	12:50:27
2	V 292.395†	15026.4	15668.2	374.421 ug/L	374.421 ug/L	12:50:07
2	Zn 206.200†	2636.3	2659.0	398.002 ug/L	398.002 ug/L	12:50:27

Mean Data: 1205292-MS1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	527241.3	97.46	%	1.181				1.21%
Y 371.029	670207.5	97.50	%	1.258				1.29%
Ag 328.068†	15022.8	359.821	ug/L	7.0525	359.821	ug/L	7.0525	1.96%
Al 396.146†	24730.0	1790.97	ug/L	41.637	1790.97	ug/L	41.637	2.32%
As 188.979†	649.3	1854.33	ug/L	30.331	1854.33	ug/L	30.331	1.64%
B 249.769†	16396.4	403.289	ug/L	9.1794	403.289	ug/L	9.1794	2.28%
Ba 455.403†	253913.5	474.017	ug/L	7.0574	474.017	ug/L	7.0574	1.49%
Be 234.863†	10880.3	36.6225	ug/L	0.57462	36.6225	ug/L	0.57462	1.57%
Ca 315.874†	1056274.6	61.1986	mg/L	0.98419	61.1986	mg/L	0.98419	1.61%
Cd 214.436†	6463.0	362.275	ug/L	4.6666	362.275	ug/L	4.6666	1.29%
Ce 413.764†	24.9	2.05019	ug/L	2.324363	2.05019	ug/L	2.324363	113.37%
Co 228.616†	2653.2	358.270	ug/L	4.5338	358.270	ug/L	4.5338	1.27%
Cr 205.563†	2158.5	360.708	ug/L	5.2375	360.708	ug/L	5.2375	1.45%
Cu 324.741†	5333.8	363.410	ug/L	7.2380	363.410	ug/L	7.2380	1.99%
Fe 238.204†	5911.5	392.195	ug/L	7.3482	392.195	ug/L	7.3482	1.87%
K 766.490†	123074.0	20.8355	mg/L	0.31135	20.8355	mg/L	0.31135	1.49%
Li 670.784†	93394.0	382.746	ug/L	7.9221	382.746	ug/L	7.9221	2.07%
Mg 279.071†	82953.1	24.4174	mg/L	0.44650	24.4174	mg/L	0.44650	1.83%
Mn 257.610†	58762.2	358.901	ug/L	6.6268	358.901	ug/L	6.6268	1.85%
Mo 202.031†	1282.6	382.006	ug/L	4.2677	382.006	ug/L	4.2677	1.12%
Na 589.592†	517050.2	41.5401	mg/L	0.48754	41.5401	mg/L	0.48754	1.17%
Ni 231.604†	3492.6	374.748	ug/L	3.5127	374.748	ug/L	3.5127	0.94%
Pb 220.353†	537.0	364.756	ug/L	5.1404	364.756	ug/L	5.1404	1.41%
Sb 217.584†	871.1	1839.58	ug/L	49.591	1839.58	ug/L	49.591	2.70%
Se 196.026†	713.3	1854.79	ug/L	16.577	1854.79	ug/L	16.577	0.89%
Si 251.611†	91373.0	13316.6	ug/L	234.54	13316.6	ug/L	234.54	1.76%
Sn 189.927†	815.5	1883.71	ug/L	7.374	1883.71	ug/L	7.374	0.39%
Sr 407.771†	1532009.8	645.521	ug/L	9.9410	645.521	ug/L	9.9410	1.54%
Ti 334.946†	76509.6	360.039	ug/L	7.4651	360.039	ug/L	7.4651	2.07%

Tl 190.801†	302.6	1801.73 ug/L	34.144	1801.73 ug/L	34.144	1.90%
V 292.395†	15494.4	370.306 ug/L	5.8186	370.306 ug/L	5.8186	1.57%
Zn 206.200†	2625.6	393.018 ug/L	7.0493	393.018 ug/L	7.0493	1.79%

Sequence No.: 20
Sample ID: 1205292-MSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 5/7/2012 12:51:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205292-MSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	539382.8	539382.8	99.70	%			12:52:53
1	Y 371.029	685700.1	685700.1	99.76	%			12:52:53
1	Ag 328.068†	14129.6	14588.2	349.488	ug/L	349.488	ug/L	12:52:58
1	Al 396.146†	24262.0	23898.4	1730.72	ug/L	1730.72	ug/L	12:52:58
1	As 188.979†	644.1	635.4	1813.86	ug/L	1813.86	ug/L	12:53:18
1	B 249.769†	16497.0	16097.4	395.902	ug/L	395.902	ug/L	12:52:58
1	Ba 455.403†	248408.5	248810.6	464.505	ug/L	464.505	ug/L	12:52:53
1	Be 234.863†	10651.8	10519.1	35.4100	ug/L	35.4100	ug/L	12:52:58
1	Ca 315.874†	1048894.8	1052080.7	60.9554	mg/L	60.9554	mg/L	12:52:53
1	Cd 214.436†	6236.4	6297.0	353.049	ug/L	353.049	ug/L	12:53:18
1	Ce 413.764†	204.3	107.1	13.4613	ug/L	13.4613	ug/L	12:52:58
1	Co 228.616†	2565.3	2605.7	351.892	ug/L	351.892	ug/L	12:53:18
1	Cr 205.563†	2154.5	2115.7	353.613	ug/L	353.613	ug/L	12:53:18
1	Cu 324.741†	5017.2	5184.6	353.364	ug/L	353.364	ug/L	12:52:58
1	Fe 238.204†	5927.0	5824.7	386.490	ug/L	386.490	ug/L	12:53:18
1	K 766.490†	121818.4	119694.7	20.2636	mg/L	20.2636	mg/L	12:52:53
1	Li 670.784†	92564.3	90802.7	372.138	ug/L	372.138	ug/L	12:52:53
1	Mg 279.071†	81087.6	81220.7	23.9072	mg/L	23.9072	mg/L	12:52:58
1	Mn 257.610†	57371.9	57444.5	350.890	ug/L	350.890	ug/L	12:52:58
1	Mo 202.031†	1255.5	1255.8	374.090	ug/L	374.090	ug/L	12:53:18
1	Na 589.592†	511627.6	512382.7	41.1650	mg/L	41.1650	mg/L	12:52:53
1	Ni 231.604†	3370.6	3390.4	363.887	ug/L	363.887	ug/L	12:53:18
1	Pb 220.353†	465.2	543.2	368.928	ug/L	368.928	ug/L	12:53:18
1	Sb 217.584†	871.0	868.4	1833.81	ug/L	1833.81	ug/L	12:53:18
1	Se 196.026†	678.8	687.1	1786.00	ug/L	1786.00	ug/L	12:53:18
1	Si 251.611†	103715.9	103515.7	15089.9	ug/L	15089.9	ug/L	12:52:58
1	Sn 189.927†	800.8	804.5	1858.74	ug/L	1858.74	ug/L	12:53:18
1	Sr 407.771†	1507226.6	1509945.6	636.120	ug/L	636.120	ug/L	12:52:53
1	Ti 334.946†	75393.6	74321.1	349.846	ug/L	349.846	ug/L	12:52:58
1	Tl 190.801†	283.2	287.1	1708.57	ug/L	1708.57	ug/L	12:53:18
1	V 292.395†	14864.7	15025.6	359.206	ug/L	359.206	ug/L	12:52:58
1	Zn 206.200†	2685.3	2623.8	392.777	ug/L	392.777	ug/L	12:53:18
2	Sc 357.234	545496.9	545496.9	100.8	%			12:53:26
2	Y 371.029	694781.7	694781.7	101.1	%			12:53:26
2	Ag 328.068†	14085.8	14385.9	344.622	ug/L	344.622	ug/L	12:53:31
2	Al 396.146†	24371.5	23734.1	1717.12	ug/L	1717.12	ug/L	12:53:31
2	As 188.979†	643.4	627.5	1791.03	ug/L	1791.03	ug/L	12:53:51
2	B 249.769†	16639.6	16053.4	394.825	ug/L	394.825	ug/L	12:53:31
2	Ba 455.403†	250441.5	248034.3	463.055	ug/L	463.055	ug/L	12:53:26
2	Be 234.863†	10720.0	10467.0	35.2357	ug/L	35.2357	ug/L	12:53:31
2	Ca 315.874†	1057327.9	1048652.8	60.7566	mg/L	60.7566	mg/L	12:53:26
2	Cd 214.436†	6222.8	6213.3	348.401	ug/L	348.401	ug/L	12:53:51
2	Ce 413.764†	120.1	21.3	1.54603	ug/L	1.54603	ug/L	12:53:31
2	Co 228.616†	2568.7	2580.3	348.456	ug/L	348.456	ug/L	12:53:51
2	Cr 205.563†	2153.0	2090.0	349.334	ug/L	349.334	ug/L	12:53:51
2	Cu 324.741†	5054.1	5164.8	352.021	ug/L	352.021	ug/L	12:53:31
2	Fe 238.204†	5873.6	5705.1	378.626	ug/L	378.626	ug/L	12:53:51
2	K 766.490†	122751.0	119250.2	20.1883	mg/L	20.1883	mg/L	12:53:26
2	Li 670.784†	93240.3	90432.5	370.624	ug/L	370.624	ug/L	12:53:26
2	Mg 279.071†	81267.8	80487.9	23.6913	mg/L	23.6913	mg/L	12:53:31
2	Mn 257.610†	57560.3	56986.4	348.105	ug/L	348.105	ug/L	12:53:31
2	Mo 202.031†	1251.1	1237.3	368.592	ug/L	368.592	ug/L	12:53:51
2	Na 589.592†	515663.7	510633.8	41.0244	mg/L	41.0244	mg/L	12:53:26
2	Ni 231.604†	3389.0	3370.8	361.791	ug/L	361.791	ug/L	12:53:51
2	Pb 220.353†	435.8	508.8	345.386	ug/L	345.386	ug/L	12:53:51
2	Sb 217.584†	880.1	867.6	1832.10	ug/L	1832.10	ug/L	12:53:51
2	Se 196.026†	685.8	686.4	1784.20	ug/L	1784.20	ug/L	12:53:51

2	Si 251.611†	104175.3	102805.4	14986.4 ug/L	14986.4 ug/L	12:53:31
2	Sn 189.927†	788.4	783.2	1810.33 ug/L	1810.33 ug/L	12:53:51
2	Sr 407.771†	1519918.0	1505588.4	634.268 ug/L	634.268 ug/L	12:53:26
2	Ti 334.946†	75842.8	73919.0	347.974 ug/L	347.974 ug/L	12:53:31
2	Tl 190.801†	294.1	294.6	1753.75 ug/L	1753.75 ug/L	12:53:51
2	V 292.395†	14921.4	14914.8	356.552 ug/L	356.552 ug/L	12:53:31
2	Zn 206.200†	2703.8	2612.0	391.017 ug/L	391.017 ug/L	12:53:51

Mean Data: 1205292-MSD1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	542439.8	100.3	%	0.80				0.80%
Y 371.029	690240.9	100.4	%	0.93				0.93%
Ag 328.068†	14487.1	347.055	ug/L	3.4405	347.055	ug/L	3.4405	0.99%
Al 396.146†	23816.2	1723.92	ug/L	9.620	1723.92	ug/L	9.620	0.56%
As 188.979†	631.4	1802.45	ug/L	16.139	1802.45	ug/L	16.139	0.90%
B 249.769†	16075.4	395.364	ug/L	0.7613	395.364	ug/L	0.7613	0.19%
Ba 455.403†	248422.5	463.780	ug/L	1.0253	463.780	ug/L	1.0253	0.22%
Be 234.863†	10493.1	35.3228	ug/L	0.12324	35.3228	ug/L	0.12324	0.35%
Ca 315.874†	1050366.8	60.8560	mg/L	0.14054	60.8560	mg/L	0.14054	0.23%
Cd 214.436†	6255.1	350.725	ug/L	3.2864	350.725	ug/L	3.2864	0.94%
Ce 413.764†	64.2	7.50364	ug/L	8.425334	7.50364	ug/L	8.425334	112.28%
Co 228.616†	2593.0	350.174	ug/L	2.4295	350.174	ug/L	2.4295	0.69%
Cr 205.563†	2102.9	351.473	ug/L	3.0256	351.473	ug/L	3.0256	0.86%
Cu 324.741†	5174.7	352.693	ug/L	0.9496	352.693	ug/L	0.9496	0.27%
Fe 238.204†	5764.9	382.558	ug/L	5.5607	382.558	ug/L	5.5607	1.45%
K 766.490†	119472.4	20.2259	mg/L	0.05320	20.2259	mg/L	0.05320	0.26%
Li 670.784†	90617.6	371.381	ug/L	1.0706	371.381	ug/L	1.0706	0.29%
Mg 279.071†	80854.3	23.7993	mg/L	0.15261	23.7993	mg/L	0.15261	0.64%
Mn 257.610†	57215.5	349.498	ug/L	1.9697	349.498	ug/L	1.9697	0.56%
Mo 202.031†	1246.5	371.341	ug/L	3.8881	371.341	ug/L	3.8881	1.05%
Na 589.592†	511508.3	41.0947	mg/L	0.09939	41.0947	mg/L	0.09939	0.24%
Ni 231.604†	3380.6	362.839	ug/L	1.4821	362.839	ug/L	1.4821	0.41%
Pb 220.353†	526.0	357.157	ug/L	16.6470	357.157	ug/L	16.6470	4.66%
Sb 217.584†	868.0	1832.96	ug/L	1.208	1832.96	ug/L	1.208	0.07%
Se 196.026†	686.7	1785.10	ug/L	1.271	1785.10	ug/L	1.271	0.07%
Si 251.611†	103160.6	15038.1	ug/L	73.21	15038.1	ug/L	73.21	0.49%
Sn 189.927†	793.8	1834.54	ug/L	34.231	1834.54	ug/L	34.231	1.87%
Sr 407.771†	1507767.0	635.194	ug/L	1.3095	635.194	ug/L	1.3095	0.21%
Ti 334.946†	74120.0	348.910	ug/L	1.3241	348.910	ug/L	1.3241	0.38%
Tl 190.801†	290.8	1731.16	ug/L	31.950	1731.16	ug/L	31.950	1.85%
V 292.395†	14970.2	357.879	ug/L	1.8765	357.879	ug/L	1.8765	0.52%
Zn 206.200†	2617.9	391.897	ug/L	1.2446	391.897	ug/L	1.2446	0.32%

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Sequence No.: 21
Sample ID: 2E07042-SRD1
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 22
Date Collected: 5/7/2012 12:55:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-SRD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	525577.9	525577.9	97.15	%			12:56:16
1	Y 371.029	664521.8	664521.8	96.68	%			12:56:16
1	Ag 328.068†	-293.3	114.9	3.98556	ug/L	19.9278	ug/L	12:56:16
1	Al 396.146†	562.2	143.1	-13.9003	ug/L	-69.5017	ug/L	12:56:16
1	As 188.979†	11.0	0.7	0.233919	ug/L	1.16959	ug/L	12:56:36
1	B 249.769†	1005.9	586.9	12.8671	ug/L	64.3355	ug/L	12:56:36
1	Ba 455.403†	12288.5	12314.3	23.5441	ug/L	117.720	ug/L	12:56:16
1	Be 234.863†	131.7	-28.6	0.0168247	ug/L	0.0841236	ug/L	12:56:36
1	Ca 315.874†	151666.7	156188.2	9.01081	mg/L	45.0540	mg/L	12:56:16
1	Cd 214.436†	-47.2	-6.6	2.82311	ug/L	14.1155	ug/L	12:56:36
1	Ce 413.764†	33.3	-63.5	-9.04646	ug/L	-45.2323	ug/L	12:56:16
1	Co 228.616†	-45.8	-14.3	-0.712699	ug/L	-3.56349	ug/L	12:56:36
1	Cr 205.563†	50.1	6.4	3.37205	ug/L	16.8603	ug/L	12:56:36
1	Cu 324.741†	-64.7	85.9	8.75403	ug/L	43.7701	ug/L	12:56:16
1	Fe 238.204†	198.7	84.6	9.00653	ug/L	45.0327	ug/L	12:56:36
1	K 766.490†	5461.3	3136.6	0.536630	mg/L	2.68315	mg/L	12:56:16

1	Li 670.784†	2913.1	962.4	4.41859 ug/L	22.0929 ug/L	12:56:16
1	Mg 279.071†	4406.9	4428.8	1.29138 mg/L	6.45692 mg/L	12:56:16
1	Mn 257.610†	156.3	63.4	2.08460 ug/L	10.4230 ug/L	12:56:36
1	Mo 202.031†	9.2	6.0	4.62159 ug/L	23.1080 ug/L	12:56:36
1	Na 589.592†	58913.1	59878.0	4.79733 mg/L	23.9866 mg/L	12:56:16
1	Ni 231.604†	1.3	11.2	4.50365 ug/L	22.5183 ug/L	12:56:36
1	Pb 220.353†	-62.6	12.2	3.83797 ug/L	19.1898 ug/L	12:56:36
1	Sb 217.584†	15.9	11.2	27.2129 ug/L	136.064 ug/L	12:56:36
1	Se 196.026†	-5.8	0.3	-3.64303 ug/L	-18.2151 ug/L	12:56:36
1	Si 251.611†	18283.7	18312.0	2675.37 ug/L	13376.8 ug/L	12:56:16
1	Sn 189.927†	-3.3	-2.1	13.7573 ug/L	68.7866 ug/L	12:56:36
1	Sr 407.771†	139195.4	141525.7	56.1664 ug/L	280.832 ug/L	12:56:16
1	Ti 334.946†	1129.1	-133.9	3.10010 ug/L	15.5005 ug/L	12:56:16
1	Tl 190.801†	-1.3	1.6	2.27396 ug/L	11.3698 ug/L	12:56:36
1	V 292.395†	-70.7	44.1	3.50748 ug/L	17.5374 ug/L	12:56:16
1	Zn 206.200†	125.8	60.1	9.49393 ug/L	47.4696 ug/L	12:56:36
2	Sc 357.234	519145.2	519145.2	95.96 %		12:56:43
2	Y 371.029	655421.5	655421.5	95.35 %		12:56:43
2	Ag 328.068†	-367.8	33.5	2.05067 ug/L	10.2533 ug/L	12:56:43
2	Al 396.146†	518.3	104.5	-16.7170 ug/L	-83.5852 ug/L	12:56:43
2	As 188.979†	11.4	1.3	1.99046 ug/L	9.95228 ug/L	12:57:03
2	B 249.769†	947.6	538.9	11.6816 ug/L	58.4079 ug/L	12:57:03
2	Ba 455.403†	12210.4	12389.6	23.6848 ug/L	118.424 ug/L	12:56:43
2	Be 234.863†	149.0	-8.9	0.0830929 ug/L	0.415465 ug/L	12:57:03
2	Ca 315.874†	150702.1	157117.3	9.06468 mg/L	45.3234 mg/L	12:56:43
2	Cd 214.436†	-61.5	-22.1	1.96082 ug/L	9.80408 ug/L	12:57:03
2	Ce 413.764†	42.2	-53.8	-7.70178 ug/L	-38.5089 ug/L	12:56:43
2	Co 228.616†	-35.2	-3.8	0.705072 ug/L	3.52536 ug/L	12:57:03
2	Cr 205.563†	30.6	-13.3	0.0833233 ug/L	0.416616 ug/L	12:57:03
2	Cu 324.741†	-92.0	56.6	6.78763 ug/L	33.9382 ug/L	12:56:43
2	Fe 238.204†	180.5	68.3	7.93318 ug/L	39.6659 ug/L	12:57:03
2	K 766.490†	5386.6	3128.4	0.535242 mg/L	2.67621 mg/L	12:56:43
2	Li 670.784†	2920.1	1006.9	4.60035 ug/L	23.0017 ug/L	12:56:43
2	Mg 279.071†	4278.8	4351.5	1.26863 mg/L	6.34315 mg/L	12:56:43
2	Mn 257.610†	166.6	76.2	2.16310 ug/L	10.8155 ug/L	12:57:03
2	Mo 202.031†	19.6	17.0	7.92575 ug/L	39.6287 ug/L	12:57:03
2	Na 589.592†	58366.2	60059.5	4.81191 mg/L	24.0596 mg/L	12:56:43
2	Ni 231.604†	10.7	21.0	5.55660 ug/L	27.7830 ug/L	12:57:03
2	Pb 220.353†	-88.5	-15.5	-15.1466 ug/L	-75.7330 ug/L	12:57:03
2	Sb 217.584†	22.1	17.9	41.3911 ug/L	206.956 ug/L	12:57:03
2	Se 196.026†	-1.1	5.2	9.01828 ug/L	45.0914 ug/L	12:57:03
2	Si 251.611†	18176.1	18433.0	2693.02 ug/L	13465.1 ug/L	12:56:43
2	Sn 189.927†	-6.3	-5.3	6.58985 ug/L	32.9493 ug/L	12:57:03
2	Sr 407.771†	138485.2	142560.9	56.6047 ug/L	283.023 ug/L	12:56:43
2	Ti 334.946†	1116.2	-132.9	3.10465 ug/L	15.5232 ug/L	12:56:43
2	Tl 190.801†	1.3	4.3	18.1818 ug/L	90.9091 ug/L	12:57:03
2	V 292.395†	-66.7	47.4	3.61412 ug/L	18.0706 ug/L	12:56:43
2	Zn 206.200†	110.8	46.1	7.38202 ug/L	36.9101 ug/L	12:57:03

Mean Data: 2E07042-SRD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	522361.5	96.56	%	0.841				0.87%
Y 371.029	659971.6	96.02	%	0.936				0.98%
Ag 328.068†	74.2	3.01811	ug/L	1.368173	15.0906	ug/L	6.84086	45.33%
Al 396.146†	123.8	-15.3087	ug/L	1.99170	-76.5434	ug/L	9.95852	13.01%
As 188.979†	1.0	1.11219	ug/L	1.242060	5.56094	ug/L	6.210298	111.68%
B 249.769†	562.9	12.2743	ug/L	0.83828	61.3717	ug/L	4.19142	6.83%
Ba 455.403†	12352.0	23.6144	ug/L	0.09949	118.072	ug/L	0.4975	0.42%
Be 234.863†	-18.8	0.0499588	ug/L	0.04685868	0.249794	ug/L	0.2342934	93.79%
Ca 315.874†	156652.7	9.03774	mg/L	0.038094	45.1887	mg/L	0.19047	0.42%
Cd 214.436†	-14.3	2.39196	ug/L	0.609731	11.9598	ug/L	3.04866	25.49%
Ce 413.764†	-58.7	-8.37412	ug/L	0.950831	-41.8706	ug/L	4.75416	11.35%
Co 228.616†	-9.1	-0.0038131	ug/L	1.00251536	-0.0190656	ug/L	5.01257681	>999.9%
Cr 205.563†	-3.5	1.72769	ug/L	2.325481	8.63843	ug/L	11.627405	134.60%
Cu 324.741†	71.3	7.77083	ug/L	1.390452	38.8541	ug/L	6.95226	17.89%
Fe 238.204†	76.5	8.46985	ug/L	0.758978	42.3493	ug/L	3.79489	8.96%
K 766.490†	3132.5	0.535936	mg/L	0.0009819	2.67968	mg/L	0.004909	0.18%
Li 670.784†	984.6	4.50947	ug/L	0.128526	22.5473	ug/L	0.64263	2.85%
Mg 279.071†	4390.1	1.28001	mg/L	0.016090	6.40004	mg/L	0.080450	1.26%
Mn 257.610†	69.8	2.12385	ug/L	0.055508	10.6193	ug/L	0.27754	2.61%

Mo 202.031†	11.5	6.27367 ug/L	2.336390	31.3684 ug/L	11.68195	37.24%
Na 589.592†	59968.7	4.80462 mg/L	0.010313	24.0231 mg/L	0.05156	0.21%
Ni 231.604†	16.1	5.03012 ug/L	0.744545	25.1506 ug/L	3.72273	14.80%
Pb 220.353†	-1.7	-5.65432 ug/L	13.424121	-28.2716 ug/L	67.12060	237.41%
Sb 217.584†	14.5	34.3020 ug/L	10.02552	171.510 ug/L	50.1276	29.23%
Se 196.026†	2.7	2.68763 ug/L	8.952892	13.4381 ug/L	44.76446	333.12%
Si 251.611†	18372.5	2684.19 ug/L	12.481	13421.0 ug/L	62.41	0.46%
Sn 189.927†	-3.7	10.1736 ug/L	5.06816	50.8679 ug/L	25.34082	49.82%
Sr 407.771†	142043.3	56.3855 ug/L	0.30989	281.928 ug/L	1.5494	0.55%
Ti 334.946†	-133.4	3.10238 ug/L	0.003213	15.5119 ug/L	0.01606	0.10%
Tl 190.801†	3.0	10.2279 ug/L	11.24856	51.1395 ug/L	56.24280	109.98%
V 292.395†	45.7	3.56080 ug/L	0.075402	17.8040 ug/L	0.37701	2.12%
Zn 206.200†	53.1	8.43797 ug/L	1.493346	42.1899 ug/L	7.46673	17.70%

Sequence No.: 22
Sample ID: 1205292-PS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 5/7/2012 12:58:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205292-PS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	554905.7	554905.7	102.6	%			12:59:30
1	Y 371.029	707825.1	707825.1	103.0	%			12:59:30
1	Ag 328.068†	9157.1	9344.1	224.305	ug/L	224.305	ug/L	12:59:35
1	Al 396.146†	16707.2	15852.4	1135.92	ug/L	1135.92	ug/L	12:59:35
1	As 188.979†	444.9	423.1	1201.24	ug/L	1201.24	ug/L	12:59:55
1	B 249.769†	11854.6	11108.7	272.714	ug/L	272.714	ug/L	12:59:35
1	Ba 455.403†	185326.8	180342.2	336.841	ug/L	336.841	ug/L	12:59:30
1	Be 234.863†	7250.8	6904.6	23.2812	ug/L	23.2812	ug/L	12:59:35
1	Ca 315.874†	931258.0	907966.9	52.5996	mg/L	52.5996	mg/L	12:59:30
1	Cd 214.436†	4170.0	4107.4	231.394	ug/L	231.394	ug/L	12:59:55
1	Ce 413.764†	146.3	44.8	4.97035	ug/L	4.97035	ug/L	12:59:35
1	Co 228.616†	1726.3	1715.8	232.132	ug/L	232.132	ug/L	12:59:55
1	Cr 205.563†	1463.0	1381.1	231.634	ug/L	231.634	ug/L	12:59:55
1	Cu 324.741†	3347.8	3416.3	234.141	ug/L	234.141	ug/L	12:59:35
1	Fe 238.204†	4102.3	3879.5	258.569	ug/L	258.569	ug/L	12:59:55
1	K 766.490†	87407.9	82729.8	14.0074	mg/L	14.0074	mg/L	12:59:30
1	Li 670.784†	64031.4	60388.7	247.653	ug/L	247.653	ug/L	12:59:30
1	Mg 279.071†	60875.2	59240.4	17.4338	mg/L	17.4338	mg/L	12:59:35
1	Mn 257.610†	38670.8	37603.0	230.278	ug/L	230.278	ug/L	12:59:35
1	Mo 202.031†	845.9	821.3	245.302	ug/L	245.302	ug/L	12:59:55
1	Na 589.592†	432208.7	420601.8	33.7886	mg/L	33.7886	mg/L	12:59:30
1	Ni 231.604†	2289.2	2241.6	241.707	ug/L	241.707	ug/L	12:59:55
1	Pb 220.353†	287.6	357.0	240.943	ug/L	240.943	ug/L	12:59:55
1	Sb 217.584†	580.3	560.6	1185.13	ug/L	1185.13	ug/L	12:59:55
1	Se 196.026†	470.7	465.1	1204.54	ug/L	1204.54	ug/L	12:59:55
1	Si 251.611†	96356.5	93431.0	13626.3	ug/L	13626.3	ug/L	12:59:35
1	Sn 189.927†	522.2	510.4	1189.23	ug/L	1189.23	ug/L	12:59:55
1	Sr 407.771†	1219612.0	1187259.7	498.973	ug/L	498.973	ug/L	12:59:30
1	Ti 334.946†	50034.0	47482.5	224.856	ug/L	224.856	ug/L	12:59:35
1	Tl 190.801†	202.0	199.9	1187.38	ug/L	1187.38	ug/L	12:59:55
1	V 292.395†	9930.4	9798.1	235.098	ug/L	235.098	ug/L	12:59:35
1	Zn 206.200†	1913.8	1796.3	268.850	ug/L	268.850	ug/L	12:59:55
2	Sc 357.234	536359.6	536359.6	99.15	%			13:00:03
2	Y 371.029	682214.1	682214.1	99.25	%			13:00:03
2	Ag 328.068†	9199.2	9695.2	232.671	ug/L	232.671	ug/L	13:00:08
2	Al 396.146†	16945.9	16656.4	1194.03	ug/L	1194.03	ug/L	13:00:08
2	As 188.979†	439.4	432.5	1226.93	ug/L	1226.93	ug/L	13:00:28
2	B 249.769†	12158.5	11814.8	290.163	ug/L	290.163	ug/L	13:00:08
2	Ba 455.403†	186799.3	188074.8	351.257	ug/L	351.257	ug/L	13:00:03
2	Be 234.863†	7341.1	7240.1	24.4072	ug/L	24.4072	ug/L	13:00:08
2	Ca 315.874†	937308.5	945462.4	54.7736	mg/L	54.7736	mg/L	13:00:03
2	Cd 214.436†	4177.8	4255.8	239.641	ug/L	239.641	ug/L	13:00:28
2	Ce 413.764†	99.4	2.4	-0.960291	ug/L	-0.960291	ug/L	13:00:08
2	Co 228.616†	1720.3	1767.9	239.138	ug/L	239.138	ug/L	13:00:28
2	Cr 205.563†	1452.1	1419.5	237.991	ug/L	237.991	ug/L	13:00:28
2	Cu 324.741†	3415.9	3597.8	246.421	ug/L	246.421	ug/L	13:00:08
2	Fe 238.204†	4115.9	4031.5	268.566	ug/L	268.566	ug/L	13:00:28

2	K 766.490†	87676.5	85947.2	14.5520 mg/L	14.5520 mg/L	13:00:03
2	Li 670.784†	64363.8	62882.4	257.860 ug/L	257.860 ug/L	13:00:03
2	Mg 279.071†	61606.5	62030.2	18.2554 mg/L	18.2554 mg/L	13:00:08
2	Mn 257.610†	39079.8	39319.1	240.710 ug/L	240.710 ug/L	13:00:08
2	Mo 202.031†	843.3	847.2	252.873 ug/L	252.873 ug/L	13:00:28
2	Na 589.592†	433694.3	436670.1	35.0800 mg/L	35.0800 mg/L	13:00:03
2	Ni 231.604†	2312.7	2342.5	252.435 ug/L	252.435 ug/L	13:00:28
2	Pb 220.353†	289.3	368.4	248.768 ug/L	248.768 ug/L	13:00:28
2	Sb 217.584†	580.0	579.8	1225.66 ug/L	1225.66 ug/L	13:00:28
2	Se 196.026†	445.1	455.2	1177.64 ug/L	1177.64 ug/L	13:00:28
2	Si 251.611†	98012.4	98349.5	14343.5 ug/L	14343.5 ug/L	13:00:08
2	Sn 189.927†	529.9	535.8	1247.50 ug/L	1247.50 ug/L	13:00:28
2	Sr 407.771†	1224382.5	1233184.6	518.389 ug/L	518.389 ug/L	13:00:03
2	Ti 334.946†	50965.4	50108.6	237.086 ug/L	237.086 ug/L	13:00:08
2	Tl 190.801†	191.9	196.6	1167.63 ug/L	1167.63 ug/L	13:00:28
2	V 292.395†	10241.2	10446.3	250.420 ug/L	250.420 ug/L	13:00:08
2	Zn 206.200†	1906.4	1853.4	277.350 ug/L	277.350 ug/L	13:00:28

Mean Data: 1205292-PS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	545632.7	100.9	%	2.42				2.40%
Y 371.029	695019.6	101.1	%	2.63				2.61%
Ag 328.068†	9519.6	228.488	ug/L	5.9156	228.488	ug/L	5.9156	2.59%
Al 396.146†	16254.4	1164.98	ug/L	41.094	1164.98	ug/L	41.094	3.53%
As 188.979†	427.8	1214.09	ug/L	18.160	1214.09	ug/L	18.160	1.50%
B 249.769†	11461.7	281.438	ug/L	12.3379	281.438	ug/L	12.3379	4.38%
Ba 455.403†	184208.5	344.049	ug/L	10.1941	344.049	ug/L	10.1941	2.96%
Be 234.863†	7072.3	23.8442	ug/L	0.79620	23.8442	ug/L	0.79620	3.34%
Ca 315.874†	926714.7	53.6866	mg/L	1.53726	53.6866	mg/L	1.53726	2.86%
Cd 214.436†	4181.6	235.518	ug/L	5.8319	235.518	ug/L	5.8319	2.48%
Ce 413.764†	23.6	2.00503	ug/L	4.193598	2.00503	ug/L	4.193598	209.15%
Co 228.616†	1741.9	235.635	ug/L	4.9537	235.635	ug/L	4.9537	2.10%
Cr 205.563†	1400.3	234.812	ug/L	4.4953	234.812	ug/L	4.4953	1.91%
Cu 324.741†	3507.1	240.281	ug/L	8.6830	240.281	ug/L	8.6830	3.61%
Fe 238.204†	3955.5	263.568	ug/L	7.0691	263.568	ug/L	7.0691	2.68%
K 766.490†	84338.5	14.2797	mg/L	0.38504	14.2797	mg/L	0.38504	2.70%
Li 670.784†	61635.6	252.756	ug/L	7.2179	252.756	ug/L	7.2179	2.86%
Mg 279.071†	60635.3	17.8446	mg/L	0.58097	17.8446	mg/L	0.58097	3.26%
Mn 257.610†	38461.1	235.494	ug/L	7.3769	235.494	ug/L	7.3769	3.13%
Mo 202.031†	834.2	249.087	ug/L	5.3537	249.087	ug/L	5.3537	2.15%
Na 589.592†	428635.9	34.4343	mg/L	0.91316	34.4343	mg/L	0.91316	2.65%
Ni 231.604†	2292.1	247.071	ug/L	7.5864	247.071	ug/L	7.5864	3.07%
Pb 220.353†	362.7	244.855	ug/L	5.5333	244.855	ug/L	5.5333	2.26%
Sb 217.584†	570.2	1205.39	ug/L	28.662	1205.39	ug/L	28.662	2.38%
Se 196.026†	460.2	1191.09	ug/L	19.021	1191.09	ug/L	19.021	1.60%
Si 251.611†	95890.3	13984.9	ug/L	507.14	13984.9	ug/L	507.14	3.63%
Sn 189.927†	523.1	1218.37	ug/L	41.203	1218.37	ug/L	41.203	3.38%
Sr 407.771†	1210222.2	508.681	ug/L	13.7291	508.681	ug/L	13.7291	2.70%
Ti 334.946†	48795.5	230.971	ug/L	8.6479	230.971	ug/L	8.6479	3.74%
Tl 190.801†	198.2	1177.51	ug/L	13.967	1177.51	ug/L	13.967	1.19%
V 292.395†	10122.2	242.759	ug/L	10.8338	242.759	ug/L	10.8338	4.46%
Zn 206.200†	1824.9	273.100	ug/L	6.0105	273.100	ug/L	6.0105	2.20%

Sequence No.: 23
Sample ID: 1204454-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 5/7/2012 1:01:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204454-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	556824.2	556824.2	102.9	%			13:02:57
1	Y 371.029	711460.8	711460.8	103.5	%			13:02:57
1	Ag 328.068†	-421.3	7.5	1.45394	ug/L	1.45394	ug/L	13:03:03
1	Al 396.146†	831.2	372.0	-11.0669	ug/L	-11.0669	ug/L	13:03:03
1	As 188.979†	31.9	20.4	33.0139	ug/L	33.0139	ug/L	13:03:23
1	B 249.769†	2459.6	1941.1	46.3067	ug/L	46.3067	ug/L	13:03:23

1	Ba 455.403†	77362.6	74827.2	140.102 ug/L	140.102 ug/L	13:02:57
1	Be 234.863†	137.9	-30.3	0.0076688 ug/L	0.0076688 ug/L	13:03:23
1	Ca 315.874†	794567.4	772037.3	44.7182 mg/L	44.7182 mg/L	13:02:57
1	Cd 214.436†	-58.3	-14.6	2.37226 ug/L	2.37226 ug/L	13:03:23
1	Ce 413.764†	96.8	-3.8	-1.67202 ug/L	-1.67202 ug/L	13:03:03
1	Co 228.616†	-31.9	1.8	1.48283 ug/L	1.48283 ug/L	13:03:23
1	Cr 205.563†	55.1	8.3	3.66958 ug/L	3.66958 ug/L	13:03:23
1	Cu 324.741†	-90.7	64.5	8.41518 ug/L	8.41518 ug/L	13:03:03
1	Fe 238.204†	761.1	619.6	44.1860 ug/L	44.1860 ug/L	13:03:23
1	K 766.490†	17595.6	14610.1	2.47848 mg/L	2.47848 mg/L	13:03:03
1	Li 670.784†	6027.1	3819.6	16.1122 ug/L	16.1122 ug/L	13:03:03
1	Mg 279.071†	22396.1	21651.6	6.36364 mg/L	6.36364 mg/L	13:03:03
1	Mn 257.610†	500.9	389.2	4.06712 ug/L	4.06712 ug/L	13:03:23
1	Mo 202.031†	42.2	37.5	12.8348 ug/L	12.8348 ug/L	13:03:23
1	Na 589.592†	300131.1	290830.2	23.3589 mg/L	23.3589 mg/L	13:02:57
1	Ni 231.604†	193.6	197.9	24.3789 ug/L	24.3789 ug/L	13:03:23
1	Pb 220.353†	-51.6	26.6	13.6910 ug/L	13.6910 ug/L	13:03:23
1	Sb 217.584†	6.1	0.7	5.51798 ug/L	5.51798 ug/L	13:03:23
1	Se 196.026†	-12.9	-6.3	-34.0181 ug/L	-34.0181 ug/L	13:03:23
1	Si 251.611†	89356.6	86306.7	12601.9 ug/L	12601.9 ug/L	13:03:03
1	Sn 189.927†	-11.9	-10.3	6.08915 ug/L	6.08915 ug/L	13:03:23
1	Sr 407.771†	739731.0	716935.4	298.654 ug/L	298.654 ug/L	13:02:57
1	Ti 334.946†	-488.1	-1770.3	-4.52081 ug/L	-4.52081 ug/L	13:03:03
1	Tl 190.801†	-7.4	-4.2	-32.6131 ug/L	-32.6131 ug/L	13:03:23
1	V 292.395†	37.3	153.1	6.15584 ug/L	6.15584 ug/L	13:03:03
1	Zn 206.200†	397.6	316.8	47.0908 ug/L	47.0908 ug/L	13:03:23
2	Sc 357.234	550518.5	550518.5	101.8 %		13:03:30
2	Y 371.029	702367.6	702367.6	102.2 %		13:03:30
2	Ag 328.068†	-457.7	-33.0	0.498535 ug/L	0.498535 ug/L	13:03:35
2	Al 396.146†	736.6	288.2	-17.1593 ug/L	-17.1593 ug/L	13:03:35
2	As 188.979†	34.7	23.5	41.7295 ug/L	41.7295 ug/L	13:03:55
2	B 249.769†	2443.4	1952.5	46.5909 ug/L	46.5909 ug/L	13:03:55
2	Ba 455.403†	77358.8	75684.4	141.700 ug/L	141.700 ug/L	13:03:30
2	Be 234.863†	152.1	-14.8	0.0597587 ug/L	0.0597587 ug/L	13:03:55
2	Ca 315.874†	794092.3	780412.5	45.2038 mg/L	45.2038 mg/L	13:03:30
2	Cd 214.436†	-63.3	-20.1	2.06476 ug/L	2.06476 ug/L	13:03:55
2	Ce 413.764†	117.2	17.4	1.25282 ug/L	1.25282 ug/L	13:03:35
2	Co 228.616†	-8.9	24.1	4.47801 ug/L	4.47801 ug/L	13:03:55
2	Cr 205.563†	46.0	0.0	2.28850 ug/L	2.28850 ug/L	13:03:55
2	Cu 324.741†	-107.8	46.6	7.22968 ug/L	7.22968 ug/L	13:03:35
2	Fe 238.204†	725.9	593.5	42.4753 ug/L	42.4753 ug/L	13:03:55
2	K 766.490†	17423.2	14636.5	2.48295 mg/L	2.48295 mg/L	13:03:35
2	Li 670.784†	5892.6	3754.5	15.8457 ug/L	15.8457 ug/L	13:03:35
2	Mg 279.071†	22368.1	21873.4	6.42895 mg/L	6.42895 mg/L	13:03:35
2	Mn 257.610†	501.7	395.6	4.10614 ug/L	4.10614 ug/L	13:03:55
2	Mo 202.031†	45.1	40.9	13.8163 ug/L	13.8163 ug/L	13:03:55
2	Na 589.592†	298960.3	293019.7	23.5348 mg/L	23.5348 mg/L	13:03:30
2	Ni 231.604†	192.8	199.3	24.5182 ug/L	24.5182 ug/L	13:03:55
2	Pb 220.353†	-60.1	17.6	7.52959 ug/L	7.52959 ug/L	13:03:55
2	Sb 217.584†	21.8	16.3	38.1985 ug/L	38.1985 ug/L	13:03:55
2	Se 196.026†	4.2	10.4	9.57712 ug/L	9.57712 ug/L	13:03:55
2	Si 251.611†	88912.1	86864.2	12683.2 ug/L	12683.2 ug/L	13:03:35
2	Sn 189.927†	-14.4	-12.8	0.529400 ug/L	0.529400 ug/L	13:03:55
2	Sr 407.771†	738484.8	723942.6	301.604 ug/L	301.604 ug/L	13:03:30
2	Ti 334.946†	-336.6	-1626.9	-3.85300 ug/L	-3.85300 ug/L	13:03:35
2	Tl 190.801†	-4.8	-1.7	-17.8745 ug/L	-17.8745 ug/L	13:03:55
2	V 292.395†	86.5	201.9	7.31240 ug/L	7.31240 ug/L	13:03:35
2	Zn 206.200†	411.3	334.7	49.7737 ug/L	49.7737 ug/L	13:03:55

Mean Data: 1204454-02

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	553671.4	102.3	%	0.82				0.81%
Y 371.029	706914.2	102.8	%	0.94				0.91%
Ag 328.068†	-12.8	0.976238	ug/L	0.6755745	0.976238	ug/L	0.6755745	69.20%
Al 396.146†	330.1	-14.1131	ug/L	4.30796	-14.1131	ug/L	4.30796	30.52%
As 188.979†	21.9	37.3717	ug/L	6.16283	37.3717	ug/L	6.16283	16.49%
B 249.769†	1946.8	46.4488	ug/L	0.20099	46.4488	ug/L	0.20099	0.43%
Ba 455.403†	75255.8	140.901	ug/L	1.1306	140.901	ug/L	1.1306	0.80%
Be 234.863†	-22.5	0.0337137	ug/L	0.03683312	0.0337137	ug/L	0.03683312	109.25%
Ca 315.874†	776224.9	44.9610	mg/L	0.34337	44.9610	mg/L	0.34337	0.76%

Cd 214.436†	-17.4	2.21851 ug/L	0.217438	2.21851 ug/L	0.217438	9.80%
Ce 413.764†	6.8	-0.209603 ug/L	2.0681745	-0.209603 ug/L	2.0681745	986.71%
Co 228.616†	12.9	2.98042 ug/L	2.117911	2.98042 ug/L	2.117911	71.06%
Cr 205.563†	4.2	2.97904 ug/L	0.976570	2.97904 ug/L	0.976570	32.78%
Cu 324.741†	55.5	7.82243 ug/L	0.838278	7.82243 ug/L	0.838278	10.72%
Fe 238.204†	606.5	43.3307 ug/L	1.20962	43.3307 ug/L	1.20962	2.79%
K 766.490†	14623.3	2.48071 mg/L	0.003156	2.48071 mg/L	0.003156	0.13%
Li 670.784†	3787.0	15.9790 ug/L	0.18846	15.9790 ug/L	0.18846	1.18%
Mg 279.071†	21762.5	6.39630 mg/L	0.046183	6.39630 mg/L	0.046183	0.72%
Mn 257.610†	392.4	4.08663 ug/L	0.027594	4.08663 ug/L	0.027594	0.68%
Mo 202.031†	39.2	13.3256 ug/L	0.69404	13.3256 ug/L	0.69404	5.21%
Na 589.592†	291924.9	23.4469 mg/L	0.12443	23.4469 mg/L	0.12443	0.53%
Ni 231.604†	198.6	24.4486 ug/L	0.09852	24.4486 ug/L	0.09852	0.40%
Pb 220.353†	22.1	10.6103 ug/L	4.35680	10.6103 ug/L	4.35680	41.06%
Sb 217.584†	8.5	21.8582 ug/L	23.10860	21.8582 ug/L	23.10860	105.72%
Se 196.026†	2.1	-12.2205 ug/L	30.82645	-12.2205 ug/L	30.82645	252.25%
Si 251.611†	86585.4	12642.6 ug/L	57.52	12642.6 ug/L	57.52	0.45%
Sn 189.927†	-11.6	3.30927 ug/L	3.931336	3.30927 ug/L	3.931336	118.80%
Sr 407.771†	720439.0	300.129 ug/L	2.0860	300.129 ug/L	2.0860	0.70%
Ti 334.946†	-1698.6	-4.18690 ug/L	0.472212	-4.18690 ug/L	0.472212	11.28%
Tl 190.801†	-3.0	-25.2438 ug/L	10.42177	-25.2438 ug/L	10.42177	41.28%
V 292.395†	177.5	6.73412 ug/L	0.817812	6.73412 ug/L	0.817812	12.14%
Zn 206.200†	325.8	48.4322 ug/L	1.89715	48.4322 ug/L	1.89715	3.92%

Sequence No.: 24
Sample ID: 1205293-BLK1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 25
Date Collected: 5/7/2012 1:05:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205293-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	523778.4	523778.4	96.82	%			13:06:22
1	Y 371.029	662100.4	662100.4	96.33	%			13:06:22
1	Ag 328.068†	-426.5	-23.7	0.671983	ug/L	0.671983	ug/L	13:06:22
1	Al 396.146†	265.1	-161.8	-33.2303	ug/L	-33.2303	ug/L	13:06:22
1	As 188.979†	15.2	5.0	19.3004	ug/L	19.3004	ug/L	13:06:42
1	B 249.769†	453.1	19.4	-1.17668	ug/L	-1.17668	ug/L	13:06:42
1	Ba 455.403†	338.1	14.8	0.611115	ug/L	0.611115	ug/L	13:06:22
1	Be 234.863†	129.7	-30.3	0.0104684	ug/L	0.0104684	ug/L	13:06:42
1	Ca 315.874†	3060.6	3237.4	0.142597	mg/L	0.142597	mg/L	13:06:22
1	Cd 214.436†	-51.2	-10.9	2.58255	ug/L	2.58255	ug/L	13:06:42
1	Ce 413.764†	14.2	-83.2	-11.5478	ug/L	-11.5478	ug/L	13:06:22
1	Co 228.616†	-48.6	-17.4	-1.12663	ug/L	-1.12663	ug/L	13:06:42
1	Cr 205.563†	33.5	-10.6	0.544349	ug/L	0.544349	ug/L	13:06:42
1	Cu 324.741†	-113.7	35.1	5.06565	ug/L	5.06565	ug/L	13:06:22
1	Fe 238.204†	301.7	191.7	16.0510	ug/L	16.0510	ug/L	13:06:42
1	K 766.490†	2345.0	-62.8	-0.0048422	mg/L	-0.0048422	mg/L	13:06:22
1	Li 670.784†	2275.7	314.4	1.76644	ug/L	1.76644	ug/L	13:06:22
1	Mg 279.071†	106.1	2.3	-0.0122398	mg/L	-0.0122398	mg/L	13:06:22
1	Mn 257.610†	220.6	130.4	2.49112	ug/L	2.49112	ug/L	13:06:42
1	Mo 202.031†	3.5	0.2	3.19017	ug/L	3.19017	ug/L	13:06:42
1	Na 589.592†	951.9	221.4	0.0027474	mg/L	0.0027474	mg/L	13:06:22
1	Ni 231.604†	3.5	13.5	4.74738	ug/L	4.74738	ug/L	13:06:42
1	Pb 220.353†	-72.6	1.6	-3.41224	ug/L	-3.41224	ug/L	13:06:42
1	Sb 217.584†	15.7	11.0	26.9088	ug/L	26.9088	ug/L	13:06:42
1	Se 196.026†	-19.3	-13.7	-37.2941	ug/L	-37.2941	ug/L	13:06:42
1	Si 251.611†	1157.4	687.8	102.448	ug/L	102.448	ug/L	13:06:42
1	Sn 189.927†	-5.1	-4.0	6.90895	ug/L	6.90895	ug/L	13:06:42
1	Sr 407.771†	1654.7	-40.3	-3.48425	ug/L	-3.48425	ug/L	13:06:22
1	Ti 334.946†	1417.5	168.0	4.50574	ug/L	4.50574	ug/L	13:06:22
1	Tl 190.801†	-2.3	0.6	-3.82485	ug/L	-3.82485	ug/L	13:06:42
1	V 292.395†	-70.2	44.3	3.49711	ug/L	3.49711	ug/L	13:06:22
1	Zn 206.200†	117.8	52.2	8.57518	ug/L	8.57518	ug/L	13:06:42
2	Sc 357.234	507551.0	507551.0	93.82	%			13:06:48
2	Y 371.029	639863.3	639863.3	93.09	%			13:06:48
2	Ag 328.068†	-383.3	8.2	1.43888	ug/L	1.43888	ug/L	13:06:48
2	Al 396.146†	417.2	9.1	-20.1962	ug/L	-20.1962	ug/L	13:06:48
2	As 188.979†	8.8	-1.2	0.949231	ug/L	0.949231	ug/L	13:07:09

2	B 249.769†	436.7	16.9	-1.23908 ug/L	-1.23908 ug/L	13:07:09
2	Ba 455.403†	370.2	60.3	0.696180 ug/L	0.696180 ug/L	13:06:48
2	Be 234.863†	135.0	-20.3	0.0440930 ug/L	0.0440930 ug/L	13:07:09
2	Ca 315.874†	2913.0	3181.2	0.139336 mg/L	0.139336 mg/L	13:06:48
2	Cd 214.436†	-58.5	-20.4	2.05536 ug/L	2.05536 ug/L	13:07:09
2	Ce 413.764†	27.6	-68.4	-9.50199 ug/L	-9.50199 ug/L	13:06:48
2	Co 228.616†	-19.3	12.2	2.85928 ug/L	2.85928 ug/L	13:07:09
2	Cr 205.563†	50.1	8.3	3.67977 ug/L	3.67977 ug/L	13:07:09
2	Cu 324.741†	-135.7	7.8	3.23564 ug/L	3.23564 ug/L	13:06:48
2	Fe 238.204†	296.6	196.2	16.3491 ug/L	16.3491 ug/L	13:07:09
2	K 766.490†	2384.2	56.4	0.0153333 mg/L	0.0153333 mg/L	13:06:48
2	Li 670.784†	2191.0	299.3	1.70437 ug/L	1.70437 ug/L	13:06:48
2	Mg 279.071†	92.2	-9.0	-0.0155551 mg/L	-0.0155551 mg/L	13:06:48
2	Mn 257.610†	244.2	162.9	2.68798 ug/L	2.68798 ug/L	13:07:09
2	Mo 202.031†	3.7	0.5	3.29158 ug/L	3.29158 ug/L	13:07:09
2	Na 589.592†	846.6	140.6	-0.0037506 mg/L	-0.0037506 mg/L	13:06:48
2	Ni 231.604†	-17.9	-9.2	2.32323 ug/L	2.32323 ug/L	13:07:09
2	Pb 220.353†	-50.3	23.1	11.2869 ug/L	11.2869 ug/L	13:07:09
2	Sb 217.584†	13.2	8.9	22.3772 ug/L	22.3772 ug/L	13:07:09
2	Se 196.026†	-6.7	-0.9	-3.66978 ug/L	-3.66978 ug/L	13:07:09
2	Si 251.611†	1097.3	661.9	98.6308 ug/L	98.6308 ug/L	13:07:09
2	Sn 189.927†	-3.3	-2.3	10.6944 ug/L	10.6944 ug/L	13:07:09
2	Sr 407.771†	1575.6	-70.0	-3.49511 ug/L	-3.49511 ug/L	13:06:48
2	Ti 334.946†	1507.3	310.5	5.16951 ug/L	5.16951 ug/L	13:06:48
2	Tl 190.801†	-1.7	1.1	-0.747212 ug/L	-0.747212 ug/L	13:07:09
2	V 292.395†	-174.1	-68.7	0.836344 ug/L	0.836344 ug/L	13:06:48
2	Zn 206.200†	124.3	63.1	10.2086 ug/L	10.2086 ug/L	13:07:09

Mean Data: 1205293-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	515664.7	95.32	%	2.121				2.23%
Y 371.029	650981.8	94.71	%	2.288				2.42%
Ag 328.068†	-7.7	1.05543	ug/L	0.542280	1.05543	ug/L	0.542280	51.38%
Al 396.146†	-76.4	-26.7133	ug/L	9.21652	-26.7133	ug/L	9.21652	34.50%
As 188.979†	1.9	10.1248	ug/L	12.97622	10.1248	ug/L	12.97622	128.16%
B 249.769†	18.2	-1.20788	ug/L	0.044122	-1.20788	ug/L	0.044122	3.65%
Ba 455.403†	37.6	0.653647	ug/L	0.0601499	0.653647	ug/L	0.0601499	9.20%
Be 234.863†	-25.3	0.0272807	ug/L	0.02377613	0.0272807	ug/L	0.02377613	87.15%
Ca 315.874†	3209.3	0.140967	mg/L	0.0023065	0.140967	mg/L	0.0023065	1.64%
Cd 214.436†	-15.6	2.31895	ug/L	0.372781	2.31895	ug/L	0.372781	16.08%
Ce 413.764†	-75.8	-10.5249	ug/L	1.44662	-10.5249	ug/L	1.44662	13.74%
Co 228.616†	-2.6	0.866324	ug/L	2.8184624	0.866324	ug/L	2.8184624	325.34%
Cr 205.563†	-1.2	2.11206	ug/L	2.217075	2.11206	ug/L	2.217075	104.97%
Cu 324.741†	21.5	4.15064	ug/L	1.294016	4.15064	ug/L	1.294016	31.18%
Fe 238.204†	194.0	16.2001	ug/L	0.21081	16.2001	ug/L	0.21081	1.30%
K 766.490†	-3.2	0.0052455	mg/L	0.01426625	0.0052455	mg/L	0.01426625	271.97%
Li 670.784†	306.8	1.73540	ug/L	0.043890	1.73540	ug/L	0.043890	2.53%
Mg 279.071†	-3.3	-0.0138975	mg/L	0.00234428	-0.0138975	mg/L	0.00234428	16.87%
Mn 257.610†	146.6	2.58955	ug/L	0.139204	2.58955	ug/L	0.139204	5.38%
Mo 202.031†	0.4	3.24088	ug/L	0.071703	3.24088	ug/L	0.071703	2.21%
Na 589.592†	181.0	-0.0005016	mg/L	0.00459474	-0.0005016	mg/L	0.00459474	916.00%
Ni 231.604†	2.1	3.53531	ug/L	1.714133	3.53531	ug/L	1.714133	48.49%
Pb 220.353†	12.3	3.93732	ug/L	10.393837	3.93732	ug/L	10.393837	263.98%
Sb 217.584†	10.0	24.6430	ug/L	3.20435	24.6430	ug/L	3.20435	13.00%
Se 196.026†	-7.3	-20.4819	ug/L	23.77596	-20.4819	ug/L	23.77596	116.08%
Si 251.611†	674.9	100.540	ug/L	2.6993	100.540	ug/L	2.6993	2.68%
Sn 189.927†	-3.1	8.80165	ug/L	2.676690	8.80165	ug/L	2.676690	30.41%
Sr 407.771†	-55.1	-3.48968	ug/L	0.007684	-3.48968	ug/L	0.007684	0.22%
Ti 334.946†	239.2	4.83763	ug/L	0.469357	4.83763	ug/L	0.469357	9.70%
Tl 190.801†	0.9	-2.28603	ug/L	2.176219	-2.28603	ug/L	2.176219	95.20%
V 292.395†	-12.2	2.16673	ug/L	1.881445	2.16673	ug/L	1.881445	86.83%
Zn 206.200†	57.7	9.39190	ug/L	1.155010	9.39190	ug/L	1.155010	12.30%

Sequence No.: 25
Sample ID: 1205293-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 26
Date Collected: 5/7/2012 1:08:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205293-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	546058.4	546058.4	100.9	%			13:09:37
1	Y 371.029	696843.5	696843.5	101.4	%			13:09:37
1	Ag 328.068†	14766.2	15045.7	360.389	ug/L	360.389	ug/L	13:09:42
1	Al 396.146†	24728.8	24063.3	1760.99	ug/L	1760.99	ug/L	13:09:42
1	As 188.979†	637.1	620.6	1800.74	ug/L	1800.74	ug/L	13:10:02
1	B 249.769†	14919.8	14332.5	352.275	ug/L	352.275	ug/L	13:09:42
1	Ba 455.403†	194696.4	192552.1	359.610	ug/L	359.610	ug/L	13:09:37
1	Be 234.863†	10992.3	10725.8	36.1057	ug/L	36.1057	ug/L	13:09:42
1	Ca 315.874†	306358.8	303587.1	17.5571	mg/L	17.5571	mg/L	13:09:37
1	Cd 214.436†	6427.4	6409.7	359.314	ug/L	359.314	ug/L	13:10:02
1	Ce 413.764†	177.1	77.7	10.4887	ug/L	10.4887	ug/L	13:09:42
1	Co 228.616†	2672.0	2680.0	361.846	ug/L	361.846	ug/L	13:10:02
1	Cr 205.563†	2224.6	2158.7	360.761	ug/L	360.761	ug/L	13:10:02
1	Cu 324.741†	5189.6	5293.9	359.379	ug/L	359.379	ug/L	13:09:42
1	Fe 238.204†	5797.8	5624.0	373.295	ug/L	373.295	ug/L	13:10:02
1	K 766.490†	109262.0	105761.4	17.9054	mg/L	17.9054	mg/L	13:09:37
1	Li 670.784†	90912.7	88031.5	360.796	ug/L	360.796	ug/L	13:09:37
1	Mg 279.071†	62046.3	61362.2	18.0587	mg/L	18.0587	mg/L	13:09:42
1	Mn 257.610†	59870.5	59216.5	361.656	ug/L	361.656	ug/L	13:09:42
1	Mo 202.031†	1253.0	1237.9	370.160	ug/L	370.160	ug/L	13:10:02
1	Na 589.592†	225928.4	223066.2	17.9127	mg/L	17.9127	mg/L	13:09:37
1	Ni 231.604†	3436.6	3414.6	366.415	ug/L	366.415	ug/L	13:10:02
1	Pb 220.353†	467.2	539.5	366.362	ug/L	366.362	ug/L	13:10:02
1	Sb 217.584†	879.5	866.1	1828.80	ug/L	1828.80	ug/L	13:10:02
1	Se 196.026†	702.1	701.8	1840.49	ug/L	1840.49	ug/L	13:10:02
1	Si 251.611†	13455.5	12822.8	1849.15	ug/L	1849.15	ug/L	13:09:42
1	Sn 189.927†	809.5	803.2	1842.59	ug/L	1842.59	ug/L	13:10:02
1	Sr 407.771†	853668.2	843982.5	355.681	ug/L	355.681	ug/L	13:09:37
1	Ti 334.946†	80171.3	78129.9	367.585	ug/L	367.585	ug/L	13:09:42
1	Tl 190.801†	302.2	302.4	1800.05	ug/L	1800.05	ug/L	13:10:02
1	V 292.395†	15320.2	15294.7	365.485	ug/L	365.485	ug/L	13:09:42
1	Zn 206.200†	2500.9	2408.2	361.583	ug/L	361.583	ug/L	13:10:02
2	Sc 357.234	545403.1	545403.1	100.8	%			13:10:10
2	Y 371.029	695683.5	695683.5	101.2	%			13:10:10
2	Ag 328.068†	14778.7	15075.7	361.081	ug/L	361.081	ug/L	13:10:15
2	Al 396.146†	24872.0	24234.8	1772.68	ug/L	1772.68	ug/L	13:10:15
2	As 188.979†	640.2	624.4	1811.73	ug/L	1811.73	ug/L	13:10:35
2	B 249.769†	15128.4	14557.2	357.827	ug/L	357.827	ug/L	13:10:15
2	Ba 455.403†	195997.8	194074.6	362.447	ug/L	362.447	ug/L	13:10:10
2	Be 234.863†	11021.5	10767.9	36.2467	ug/L	36.2467	ug/L	13:10:15
2	Ca 315.874†	307842.3	305423.2	17.6636	mg/L	17.6636	mg/L	13:10:10
2	Cd 214.436†	6491.0	6480.4	363.247	ug/L	363.247	ug/L	13:10:35
2	Ce 413.764†	118.2	19.4	2.40361	ug/L	2.40361	ug/L	13:10:15
2	Co 228.616†	2699.2	2710.2	365.912	ug/L	365.912	ug/L	13:10:35
2	Cr 205.563†	2235.1	2171.8	362.936	ug/L	362.936	ug/L	13:10:35
2	Cu 324.741†	5281.7	5391.4	365.933	ug/L	365.933	ug/L	13:10:15
2	Fe 238.204†	5841.9	5674.7	376.626	ug/L	376.626	ug/L	13:10:35
2	K 766.490†	109901.3	106525.5	18.0347	mg/L	18.0347	mg/L	13:10:10
2	Li 670.784†	91434.2	88657.0	363.357	ug/L	363.357	ug/L	13:10:10
2	Mg 279.071†	62364.5	61751.6	18.1734	mg/L	18.1734	mg/L	13:10:15
2	Mn 257.610†	60005.5	59421.6	362.904	ug/L	362.904	ug/L	13:10:15
2	Mo 202.031†	1253.3	1239.7	370.688	ug/L	370.688	ug/L	13:10:35
2	Na 589.592†	226873.6	224272.8	18.0097	mg/L	18.0097	mg/L	13:10:10
2	Ni 231.604†	3440.8	3422.7	367.279	ug/L	367.279	ug/L	13:10:35
2	Pb 220.353†	475.9	548.7	372.675	ug/L	372.675	ug/L	13:10:35
2	Sb 217.584†	890.1	877.7	1853.12	ug/L	1853.12	ug/L	13:10:35
2	Se 196.026†	680.6	681.4	1786.62	ug/L	1786.62	ug/L	13:10:35
2	Si 251.611†	13460.1	12843.4	1852.01	ug/L	1852.01	ug/L	13:10:15
2	Sn 189.927†	815.5	810.2	1858.48	ug/L	1858.48	ug/L	13:10:35
2	Sr 407.771†	857202.2	848504.0	357.598	ug/L	357.598	ug/L	13:10:10
2	Ti 334.946†	80558.1	78609.0	369.816	ug/L	369.816	ug/L	13:10:15
2	Tl 190.801†	309.5	310.0	1845.77	ug/L	1845.77	ug/L	13:10:35
2	V 292.395†	15519.1	15510.1	370.561	ug/L	370.561	ug/L	13:10:15
2	Zn 206.200†	2507.1	2417.3	362.940	ug/L	362.940	ug/L	13:10:35

Mean Data: 1205293-BS1

Mean Corrected	Calib.	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Sc 357.234	545730.8	100.9	%	0.09				0.08%
Y 371.029	696263.5	101.3	%	0.12				0.12%
Ag 328.068†	15060.7	360.735	ug/L	0.4893	360.735	ug/L	0.4893	0.14%
Al 396.146†	24149.0	1766.83	ug/L	8.261	1766.83	ug/L	8.261	0.47%
As 188.979†	622.5	1806.23	ug/L	7.771	1806.23	ug/L	7.771	0.43%
B 249.769†	14444.9	355.051	ug/L	3.9255	355.051	ug/L	3.9255	1.11%
Ba 455.403†	193313.4	361.028	ug/L	2.0063	361.028	ug/L	2.0063	0.56%
Be 234.863†	10746.9	36.1762	ug/L	0.09971	36.1762	ug/L	0.09971	0.28%
Ca 315.874†	304505.1	17.6103	mg/L	0.07528	17.6103	mg/L	0.07528	0.43%
Cd 214.436†	6445.0	361.281	ug/L	2.7813	361.281	ug/L	2.7813	0.77%
Ce 413.764†	48.6	6.44616	ug/L	5.717025	6.44616	ug/L	5.717025	88.69%
Co 228.616†	2695.1	363.879	ug/L	2.8748	363.879	ug/L	2.8748	0.79%
Cr 205.563†	2165.3	361.849	ug/L	1.5384	361.849	ug/L	1.5384	0.43%
Cu 324.741†	5342.6	362.656	ug/L	4.6346	362.656	ug/L	4.6346	1.28%
Fe 238.204†	5649.4	374.961	ug/L	2.3555	374.961	ug/L	2.3555	0.63%
K 766.490†	106143.4	17.9701	mg/L	0.09145	17.9701	mg/L	0.09145	0.51%
Li 670.784†	88344.2	362.076	ug/L	1.8109	362.076	ug/L	1.8109	0.50%
Mg 279.071†	61556.9	18.1160	mg/L	0.08111	18.1160	mg/L	0.08111	0.45%
Mn 257.610†	59319.0	362.280	ug/L	0.8822	362.280	ug/L	0.8822	0.24%
Mo 202.031†	1238.8	370.424	ug/L	0.3734	370.424	ug/L	0.3734	0.10%
Na 589.592†	223669.5	17.9612	mg/L	0.06857	17.9612	mg/L	0.06857	0.38%
Ni 231.604†	3418.6	366.847	ug/L	0.6109	366.847	ug/L	0.6109	0.17%
Pb 220.353†	544.1	369.519	ug/L	4.4641	369.519	ug/L	4.4641	1.21%
Sb 217.584†	871.9	1840.96	ug/L	17.201	1840.96	ug/L	17.201	0.93%
Se 196.026†	691.6	1813.56	ug/L	38.089	1813.56	ug/L	38.089	2.10%
Si 251.611†	12833.1	1850.58	ug/L	2.023	1850.58	ug/L	2.023	0.11%
Sn 189.927†	806.7	1850.54	ug/L	11.230	1850.54	ug/L	11.230	0.61%
Sr 407.771†	846243.3	356.639	ug/L	1.3554	356.639	ug/L	1.3554	0.38%
Ti 334.946†	78369.5	368.700	ug/L	1.5777	368.700	ug/L	1.5777	0.43%
Tl 190.801†	306.2	1822.91	ug/L	32.325	1822.91	ug/L	32.325	1.77%
V 292.395†	15402.4	368.023	ug/L	3.5895	368.023	ug/L	3.5895	0.98%
Zn 206.200†	2412.8	362.261	ug/L	0.9593	362.261	ug/L	0.9593	0.26%

Sequence No.: 26
Sample ID: 2E07042-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/7/2012 1:11:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	511392.2	511392.2	94.53	%			13:13:02
1	Y 371.029	648727.5	648727.5	94.38	%			13:13:02
1	Ag 328.068†	19290.9	20823.8	498.222	ug/L	498.222	ug/L	13:13:07
1	Al 396.146†	32502.8	33947.8	2498.08	ug/L	2498.08	ug/L	13:13:07
1	As 188.979†	825.1	862.3	2525.83	ug/L	2525.83	ug/L	13:13:27
1	B 249.769†	19697.3	20388.5	501.870	ug/L	501.870	ug/L	13:13:07
1	Ba 455.403†	257359.6	271916.3	507.583	ug/L	507.583	ug/L	13:13:02
1	Be 234.863†	14065.8	14715.4	49.4949	ug/L	49.4949	ug/L	13:13:07
1	Ca 315.874†	81798.7	86608.0	4.97649	mg/L	4.97649	mg/L	13:13:07
1	Cd 214.436†	8246.5	8765.6	490.211	ug/L	490.211	ug/L	13:13:07
1	Ce 413.764†	35.3	-60.5	-8.31380	ug/L	-8.31380	ug/L	13:13:07
1	Co 228.616†	3531.7	3768.9	508.389	ug/L	508.389	ug/L	13:13:27
1	Cr 205.563†	2915.7	3039.3	506.997	ug/L	506.997	ug/L	13:13:27
1	Cu 324.741†	6870.3	7420.3	502.006	ug/L	502.006	ug/L	13:13:07
1	Fe 238.204†	7137.1	7430.2	492.078	ug/L	492.078	ug/L	13:13:07
1	K 766.490†	30292.9	29560.9	5.00882	mg/L	5.00882	mg/L	13:13:02
1	Li 670.784†	119081.1	123935.2	507.754	ug/L	507.754	ug/L	13:13:02
1	Mg 279.071†	16051.5	16873.0	4.95631	mg/L	4.95631	mg/L	13:13:07
1	Mn 257.610†	77474.1	81859.4	499.293	ug/L	499.293	ug/L	13:13:07
1	Mo 202.031†	1603.4	1692.7	509.839	ug/L	509.839	ug/L	13:13:27
1	Na 589.592†	60132.0	62849.5	5.03615	mg/L	5.03615	mg/L	13:13:02
1	Ni 231.604†	4401.3	4665.8	499.457	ug/L	499.457	ug/L	13:13:07
1	Pb 220.353†	621.3	733.9	500.085	ug/L	500.085	ug/L	13:13:27
1	Sb 217.584†	1141.6	1202.5	2537.26	ug/L	2537.26	ug/L	13:13:27
1	Se 196.026†	900.1	958.4	2520.86	ug/L	2520.86	ug/L	13:13:27
1	Si 251.611†	16934.3	17406.5	2509.18	ug/L	2509.18	ug/L	13:13:07
1	Sn 189.927†	1062.1	1124.9	2568.16	ug/L	2568.16	ug/L	13:13:27

1	Sr 407.771†	1127785.4	1191290.7	505.414 ug/L	505.414 ug/L	13:13:02
1	Ti 334.946†	102158.6	106773.5	500.982 ug/L	500.982 ug/L	13:13:07
1	Tl 190.801†	396.1	422.0	2514.86 ug/L	2514.86 ug/L	13:13:27
1	V 292.395†	19706.6	20963.7	500.036 ug/L	500.036 ug/L	13:13:07
1	Zn 206.200†	3229.0	3346.4	503.506 ug/L	503.506 ug/L	13:13:27
2	Sc 357.234	522140.6	522140.6	96.52 %		13:13:35
2	Y 371.029	664301.4	664301.4	96.65 %		13:13:35
2	Ag 328.068†	19674.1	20800.8	497.723 ug/L	497.723 ug/L	13:13:40
2	Al 396.146†	33215.7	33978.7	2502.76 ug/L	2502.76 ug/L	13:13:40
2	As 188.979†	820.4	839.4	2458.79 ug/L	2458.79 ug/L	13:14:00
2	B 249.769†	20082.5	20358.7	501.134 ug/L	501.134 ug/L	13:13:40
2	Ba 455.403†	256385.6	265302.8	495.256 ug/L	495.256 ug/L	13:13:35
2	Be 234.863†	14324.9	14677.5	49.3680 ug/L	49.3680 ug/L	13:13:40
2	Ca 315.874†	83384.0	86469.2	4.96845 mg/L	4.96845 mg/L	13:13:40
2	Cd 214.436†	8422.4	8768.3	490.360 ug/L	490.360 ug/L	13:13:40
2	Ce 413.764†	147.3	54.8	7.68891 ug/L	7.68891 ug/L	13:13:40
2	Co 228.616†	3531.6	3691.9	498.014 ug/L	498.014 ug/L	13:14:00
2	Cr 205.563†	2901.4	2960.9	493.976 ug/L	493.976 ug/L	13:14:00
2	Cu 324.741†	6996.4	7401.4	500.737 ug/L	500.737 ug/L	13:13:40
2	Fe 238.204†	7281.9	7424.8	491.720 ug/L	491.720 ug/L	13:13:40
2	K 766.490†	30440.6	29054.2	4.92307 mg/L	4.92307 mg/L	13:13:35
2	Li 670.784†	118751.5	121000.6	495.741 ug/L	495.741 ug/L	13:13:35
2	Mg 279.071†	16476.8	16964.1	4.98313 mg/L	4.98313 mg/L	13:13:40
2	Mn 257.610†	78875.7	81624.4	497.863 ug/L	497.863 ug/L	13:13:40
2	Mo 202.031†	1606.2	1660.7	500.216 ug/L	500.216 ug/L	13:14:00
2	Na 589.592†	59728.6	61122.1	4.89732 mg/L	4.89732 mg/L	13:13:35
2	Ni 231.604†	4421.4	4590.8	491.478 ug/L	491.478 ug/L	13:13:40
2	Pb 220.353†	641.6	741.4	505.176 ug/L	505.176 ug/L	13:14:00
2	Sb 217.584†	1147.9	1184.2	2498.66 ug/L	2498.66 ug/L	13:14:00
2	Se 196.026†	909.0	948.1	2493.66 ug/L	2493.66 ug/L	13:14:00
2	Si 251.611†	17228.5	17342.6	2500.01 ug/L	2500.01 ug/L	13:13:40
2	Sn 189.927†	1052.8	1092.1	2493.84 ug/L	2493.84 ug/L	13:14:00
2	Sr 407.771†	1120447.7	1159129.2	491.675 ug/L	491.675 ug/L	13:13:35
2	Ti 334.946†	103997.8	106454.5	499.496 ug/L	499.496 ug/L	13:13:40
2	Tl 190.801†	403.4	421.0	2509.00 ug/L	2509.00 ug/L	13:14:00
2	V 292.395†	20070.2	20911.3	498.720 ug/L	498.720 ug/L	13:13:40
2	Zn 206.200†	3252.6	3300.6	496.622 ug/L	496.622 ug/L	13:14:00

Mean Data: 2E07042-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	516766.4	95.52	%	1.405				1.47%
Y 371.029	656514.4	95.51	%	1.602				1.68%
Ag 328.068†	20812.3	497.972	ug/L	0.3527	497.972	ug/L	0.3527	0.07%
QC value within limits for Ag 328.068 Recovery = 99.59%								
Al 396.146†	33963.3	2500.42	ug/L	3.311	2500.42	ug/L	3.311	0.13%
QC value within limits for Al 396.146 Recovery = 100.02%								
As 188.979†	850.8	2492.31	ug/L	47.403	2492.31	ug/L	47.403	1.90%
QC value within limits for As 188.979 Recovery = 99.69%								
B 249.769†	20373.6	501.502	ug/L	0.5203	501.502	ug/L	0.5203	0.10%
QC value within limits for B 249.769 Recovery = 100.30%								
Ba 455.403†	268609.6	501.420	ug/L	8.7169	501.420	ug/L	8.7169	1.74%
QC value within limits for Ba 455.403 Recovery = 100.28%								
Be 234.863†	14696.5	49.4314	ug/L	0.08974	49.4314	ug/L	0.08974	0.18%
QC value within limits for Be 234.863 Recovery = 98.86%								
Ca 315.874†	86538.6	4.97247	mg/L	0.005688	4.97247	mg/L	0.005688	0.11%
QC value within limits for Ca 315.874 Recovery = 99.45%								
Cd 214.436†	8767.0	490.286	ug/L	0.1051	490.286	ug/L	0.1051	0.02%
QC value within limits for Cd 214.436 Recovery = 98.06%								
Ce 413.764†	-2.9	-0.312440	ug/L	11.3156249	-0.312440	ug/L	11.3156249	>999.9%
Co 228.616†	3730.4	503.202	ug/L	7.3359	503.202	ug/L	7.3359	1.46%
QC value within limits for Co 228.616 Recovery = 100.64%								
Cr 205.563†	3000.1	500.487	ug/L	9.2072	500.487	ug/L	9.2072	1.84%
QC value within limits for Cr 205.563 Recovery = 100.10%								
Cu 324.741†	7410.8	501.372	ug/L	0.8972	501.372	ug/L	0.8972	0.18%
QC value within limits for Cu 324.741 Recovery = 100.27%								
Fe 238.204†	7427.5	491.899	ug/L	0.2530	491.899	ug/L	0.2530	0.05%
QC value within limits for Fe 238.204 Recovery = 98.38%								
K 766.490†	29307.5	4.96595	mg/L	0.060632	4.96595	mg/L	0.060632	1.22%
QC value within limits for K 766.490 Recovery = 99.32%								
Li 670.784†	122467.9	501.747	ug/L	8.4945	501.747	ug/L	8.4945	1.69%

QC value within limits for Li 670.784 Recovery = 100.35%						
Mg 279.071†	16918.6	4.96972 mg/L	0.018965	4.96972 mg/L	0.018965	0.38%
QC value within limits for Mg 279.071 Recovery = 99.39%						
Mn 257.610†	81741.9	498.578 ug/L	1.0114	498.578 ug/L	1.0114	0.20%
QC value within limits for Mn 257.610 Recovery = 99.72%						
Mo 202.031†	1676.7	505.027 ug/L	6.8044	505.027 ug/L	6.8044	1.35%
QC value within limits for Mo 202.031 Recovery = 101.01%						
Na 589.592†	61985.8	4.96673 mg/L	0.098168	4.96673 mg/L	0.098168	1.98%
QC value within limits for Na 589.592 Recovery = 99.33%						
Ni 231.604†	4628.3	495.467 ug/L	5.6422	495.467 ug/L	5.6422	1.14%
QC value within limits for Ni 231.604 Recovery = 99.09%						
Pb 220.353†	737.6	502.630 ug/L	3.5998	502.630 ug/L	3.5998	0.72%
QC value within limits for Pb 220.353 Recovery = 100.53%						
Sb 217.584†	1193.3	2517.96 ug/L	27.294	2517.96 ug/L	27.294	1.08%
QC value within limits for Sb 217.584 Recovery = 100.72%						
Se 196.026†	953.2	2507.26 ug/L	19.236	2507.26 ug/L	19.236	0.77%
QC value within limits for Se 196.026 Recovery = 100.29%						
Si 251.611†	17374.6	2504.59 ug/L	6.483	2504.59 ug/L	6.483	0.26%
QC value within limits for Si 251.611 Recovery = 100.18%						
Sn 189.927†	1108.5	2531.00 ug/L	52.552	2531.00 ug/L	52.552	2.08%
QC value within limits for Sn 189.927 Recovery = 101.24%						
Sr 407.771†	1175210.0	498.545 ug/L	9.7148	498.545 ug/L	9.7148	1.95%
QC value within limits for Sr 407.771 Recovery = 99.71%						
Ti 334.946†	106614.0	500.239 ug/L	1.0507	500.239 ug/L	1.0507	0.21%
QC value within limits for Ti 334.946 Recovery = 100.05%						
Tl 190.801†	421.5	2511.93 ug/L	4.140	2511.93 ug/L	4.140	0.16%
QC value within limits for Tl 190.801 Recovery = 100.48%						
V 292.395†	20937.5	499.378 ug/L	0.9300	499.378 ug/L	0.9300	0.19%
QC value within limits for V 292.395 Recovery = 99.88%						
Zn 206.200†	3323.5	500.064 ug/L	4.8676	500.064 ug/L	4.8676	0.97%
QC value within limits for Zn 206.200 Recovery = 100.01%						

All analyte(s) passed QC.

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Sequence No.: 27
Sample ID: 2E07042-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/7/2012 1:15:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	530273.9	530273.9	98.02	%			13:16:22
1	Y 371.029	671219.4	671219.4	97.65	%			13:16:22
1	Ag 328.068†	-404.0	4.6	1.33731	ug/L	1.33731	ug/L	13:16:22
1	Al 396.146†	402.8	-24.7	-23.4186	ug/L	-23.4186	ug/L	13:16:22
1	As 188.979†	2.8	-7.8	-18.2038	ug/L	-18.2038	ug/L	13:16:43
1	B 249.769†	614.8	178.7	2.77418	ug/L	2.77418	ug/L	13:16:43
1	Ba 455.403†	321.4	-6.5	0.570738	ug/L	0.570738	ug/L	13:16:22
1	Be 234.863†	143.0	-18.4	0.0514214	ug/L	0.0514214	ug/L	13:16:43
1	Ca 315.874†	-133.6	-59.9	-0.0485851	mg/L	-0.0485851	mg/L	13:16:22
1	Cd 214.436†	-65.0	-24.3	1.83969	ug/L	1.83969	ug/L	13:16:43
1	Ce 413.764†	-6.7	-104.7	-14.5320	ug/L	-14.5320	ug/L	13:16:22
1	Co 228.616†	-30.3	1.9	1.48018	ug/L	1.48018	ug/L	13:16:43
1	Cr 205.563†	22.9	-21.9	-1.32994	ug/L	-1.32994	ug/L	13:16:43
1	Cu 324.741†	-105.9	44.5	5.69193	ug/L	5.69193	ug/L	13:16:22
1	Fe 238.204†	183.6	67.4	7.87820	ug/L	7.87820	ug/L	13:16:43
1	K 766.490†	2308.0	-130.2	-0.0162580	mg/L	-0.0162580	mg/L	13:16:22
1	Li 670.784†	2263.7	273.4	1.59879	ug/L	1.59879	ug/L	13:16:22
1	Mg 279.071†	138.8	34.3	-0.0028162	mg/L	-0.0028162	mg/L	13:16:22
1	Mn 257.610†	98.5	3.0	1.71812	ug/L	1.71812	ug/L	13:16:43
1	Mo 202.031†	16.8	13.7	7.24598	ug/L	7.24598	ug/L	13:16:43
1	Na 589.592†	718.1	-29.1	-0.0173864	mg/L	-0.0173864	mg/L	13:16:22
1	Ni 231.604†	-19.0	-9.6	2.30093	ug/L	2.30093	ug/L	13:16:43
1	Pb 220.353†	-59.5	15.9	6.41424	ug/L	6.41424	ug/L	13:16:43
1	Sb 217.584†	7.9	2.9	9.85785	ug/L	9.85785	ug/L	13:16:43
1	Se 196.026†	0.4	6.7	16.3271	ug/L	16.3271	ug/L	13:16:43
1	Si 251.611†	657.0	162.6	25.7564	ug/L	25.7564	ug/L	13:16:43
1	Sn 189.927†	3.0	4.4	25.7145	ug/L	25.7145	ug/L	13:16:43
1	Sr 407.771†	1802.1	89.2	-3.41206	ug/L	-3.41206	ug/L	13:16:22

1	Ti 334.946†	1428.0	160.7	4.47208 ug/L	4.47208 ug/L	13:16:22
1	Tl 190.801†	2.6	5.6	26.0986 ug/L	26.0986 ug/L	13:16:43
1	V 292.395†	-126.0	-11.7	2.21498 ug/L	2.21498 ug/L	13:16:22
1	Zn 206.200†	73.4	5.5	1.54218 ug/L	1.54218 ug/L	13:16:43
2	Sc 357.234	530989.8	530989.8	98.15 %		13:16:49
2	Y 371.029	673116.8	673116.8	97.93 %		13:16:49
2	Ag 328.068†	-377.1	32.6	2.04760 ug/L	2.04760 ug/L	13:16:49
2	Al 396.146†	366.4	-62.3	-24.3755 ug/L	-24.3755 ug/L	13:16:49
2	As 188.979†	15.7	5.4	20.3077 ug/L	20.3077 ug/L	13:17:09
2	B 249.769†	626.2	189.4	3.03761 ug/L	3.03761 ug/L	13:17:09
2	Ba 455.403†	273.0	-56.2	0.480865 ug/L	0.480865 ug/L	13:16:49
2	Be 234.863†	127.8	-34.0	-0.0011381 ug/L	-0.0011381 ug/L	13:17:09
2	Ca 315.874†	-76.1	-1.2	-0.0451791 mg/L	-0.0451791 mg/L	13:16:49
2	Cd 214.436†	-57.5	-16.6	2.26556 ug/L	2.26556 ug/L	13:17:09
2	Ce 413.764†	89.3	-6.8	-0.946446 ug/L	-0.946446 ug/L	13:16:49
2	Co 228.616†	-50.9	-19.0	-1.34353 ug/L	-1.34353 ug/L	13:17:09
2	Cr 205.563†	30.8	-13.8	0.0106206 ug/L	0.0106206 ug/L	13:17:09
2	Cu 324.741†	-88.3	62.6	6.90719 ug/L	6.90719 ug/L	13:16:49
2	Fe 238.204†	193.4	77.2	8.52057 ug/L	8.52057 ug/L	13:17:09
2	K 766.490†	2396.3	-43.4	-0.0015658 mg/L	-0.0015658 mg/L	13:16:49
2	Li 670.784†	2244.8	251.0	1.50604 ug/L	1.50604 ug/L	13:16:49
2	Mg 279.071†	104.7	-0.6	-0.0131027 mg/L	-0.0131027 mg/L	13:16:49
2	Mn 257.610†	86.8	-9.0	1.64410 ug/L	1.64410 ug/L	13:17:09
2	Mo 202.031†	10.2	7.0	5.22323 ug/L	5.22323 ug/L	13:17:09
2	Na 589.592†	709.1	-39.3	-0.0182035 mg/L	-0.0182035 mg/L	13:16:49
2	Ni 231.604†	-1.4	8.4	4.21095 ug/L	4.21095 ug/L	13:17:09
2	Pb 220.353†	-54.3	21.3	10.0592 ug/L	10.0592 ug/L	13:17:09
2	Sb 217.584†	12.9	8.0	20.6366 ug/L	20.6366 ug/L	13:17:09
2	Se 196.026†	2.5	8.8	21.9422 ug/L	21.9422 ug/L	13:17:09
2	Si 251.611†	655.7	160.4	25.4650 ug/L	25.4650 ug/L	13:17:09
2	Sn 189.927†	-1.1	0.2	16.2798 ug/L	16.2798 ug/L	13:17:09
2	Sr 407.771†	1808.5	93.2	-3.40083 ug/L	-3.40083 ug/L	13:16:49
2	Ti 334.946†	1350.7	80.0	4.09610 ug/L	4.09610 ug/L	13:16:49
2	Tl 190.801†	-1.1	1.9	3.81752 ug/L	3.81752 ug/L	13:17:09
2	V 292.395†	-176.8	-63.2	0.982692 ug/L	0.982692 ug/L	13:16:49
2	Zn 206.200†	71.0	2.9	1.14744 ug/L	1.14744 ug/L	13:17:09

Mean Data: 2E07042-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	530631.8	98.09	%	0.094				0.10%
Y 371.029	672168.1	97.79	%	0.195				0.20%
Ag 328.068†	18.6	1.69245	ug/L	0.502255	1.69245	ug/L	0.502255	29.68%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	-43.5	-23.8971	ug/L	0.67668	-23.8971	ug/L	0.67668	2.83%
QC value within limits for Al 396.146 Recovery = Not calculated								
As 188.979†	-1.2	1.05196	ug/L	27.231756	1.05196	ug/L	27.231756	>999.9%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	184.1	2.90590	ug/L	0.186268	2.90590	ug/L	0.186268	6.41%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	-31.3	0.525802	ug/L	0.0635501	0.525802	ug/L	0.0635501	12.09%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	-26.2	0.0251417	ug/L	0.03716513	0.0251417	ug/L	0.03716513	147.82%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	-30.5	-0.0468821	mg/L	0.00240840	-0.0468821	mg/L	0.00240840	5.14%
QC value within limits for Ca 315.874 Recovery = Not calculated								
Cd 214.436†	-20.4	2.05263	ug/L	0.301134	2.05263	ug/L	0.301134	14.67%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	-55.8	-7.73921	ug/L	9.606416	-7.73921	ug/L	9.606416	124.13%
Co 228.616†	-8.5	0.0683269	ug/L	1.99666371	0.0683269	ug/L	1.99666371	>999.9%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	-17.8	-0.659658	ug/L	0.9479165	-0.659658	ug/L	0.9479165	143.70%
QC value within limits for Cr 205.563 Recovery = Not calculated								
Cu 324.741†	53.6	6.29956	ug/L	0.859324	6.29956	ug/L	0.859324	13.64%
QC value within limits for Cu 324.741 Recovery = Not calculated								
Fe 238.204†	72.3	8.19939	ug/L	0.454224	8.19939	ug/L	0.454224	5.54%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	-86.8	-0.0089119	mg/L	0.01038893	-0.0089119	mg/L	0.01038893	116.57%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	262.2	1.55241	ug/L	0.065582	1.55241	ug/L	0.065582	4.22%
QC value within limits for Li 670.784 Recovery = Not calculated								

Mg 279.071†	16.8	-0.0079594 mg/L	0.00727371	-0.0079594 mg/L	0.00727371	91.38%
QC value within limits for Mg 279.071 Recovery = Not calculated						
Mn 257.610†	-3.0	1.68111 ug/L	0.052337	1.68111 ug/L	0.052337	3.11%
QC value within limits for Mn 257.610 Recovery = Not calculated						
Mo 202.031†	10.3	6.23460 ug/L	1.430297	6.23460 ug/L	1.430297	22.94%
QC value within limits for Mo 202.031 Recovery = Not calculated						
Na 589.592†	-34.2	-0.0177949 mg/L	0.00057780	-0.0177949 mg/L	0.00057780	3.25%
QC value within limits for Na 589.592 Recovery = Not calculated						
Ni 231.604†	-0.6	3.25594 ug/L	1.350584	3.25594 ug/L	1.350584	41.48%
QC value within limits for Ni 231.604 Recovery = Not calculated						
Pb 220.353†	18.6	8.23673 ug/L	2.577381	8.23673 ug/L	2.577381	31.29%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	5.4	15.2472 ug/L	7.62173	15.2472 ug/L	7.62173	49.99%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	7.7	19.1346 ug/L	3.97045	19.1346 ug/L	3.97045	20.75%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	161.5	25.6107 ug/L	0.20602	25.6107 ug/L	0.20602	0.80%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	2.3	20.9971 ug/L	6.67129	20.9971 ug/L	6.67129	31.77%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	91.2	-3.40644 ug/L	0.007940	-3.40644 ug/L	0.007940	0.23%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.946†	120.4	4.28409 ug/L	0.265860	4.28409 ug/L	0.265860	6.21%
QC value within limits for Ti 334.946 Recovery = Not calculated						
Tl 190.801†	3.8	14.9581 ug/L	15.75512	14.9581 ug/L	15.75512	105.33%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	-37.4	1.59884 ug/L	0.871358	1.59884 ug/L	0.871358	54.50%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	4.2	1.34481 ug/L	0.279121	1.34481 ug/L	0.279121	20.76%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 28
Sample ID: 1204454-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 27
Date Collected: 5/7/2012 1:18:22 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204454-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	569559.4	569559.4	105.3	%			13:19:34
1	Y 371.029	729902.3	729902.3	106.2	%			13:19:34
1	Ag 328.068†	-355.9	78.7	3.13744	ug/L	3.13744	ug/L	13:19:39
1	Al 396.146†	801.2	325.4	-13.0525	ug/L	-13.0525	ug/L	13:19:39
1	As 188.979†	27.0	15.1	20.8699	ug/L	20.8699	ug/L	13:19:59
1	B 249.769†	2304.8	1740.6	41.3969	ug/L	41.3969	ug/L	13:19:59
1	Ba 455.403†	57992.0	54747.9	102.663	ug/L	102.663	ug/L	13:19:34
1	Be 234.863†	149.7	-22.0	0.0386069	ug/L	0.0386069	ug/L	13:19:59
1	Ca 315.874†	722544.5	686367.3	39.7510	mg/L	39.7510	mg/L	13:19:34
1	Cd 214.436†	-41.4	2.7	3.33708	ug/L	3.33708	ug/L	13:19:59
1	Ce 413.764†	65.0	-36.1	-6.02963	ug/L	-6.02963	ug/L	13:19:39
1	Co 228.616†	-39.5	-4.6	0.614584	ug/L	0.614584	ug/L	13:19:59
1	Cr 205.563†	42.0	-5.3	1.41013	ug/L	1.41013	ug/L	13:19:59
1	Cu 324.741†	-85.6	71.2	8.71414	ug/L	8.71414	ug/L	13:19:39
1	Fe 238.204†	251.0	118.6	11.2385	ug/L	11.2385	ug/L	13:19:59
1	K 766.490†	16941.2	13606.4	2.30860	mg/L	2.30860	mg/L	13:19:39
1	Li 670.784†	6038.1	3699.1	15.6195	ug/L	15.6195	ug/L	13:19:39
1	Mg 279.071†	20623.1	19481.1	5.72440	mg/L	5.72440	mg/L	13:19:39
1	Mn 257.610†	333.5	219.3	3.03481	ug/L	3.03481	ug/L	13:19:59
1	Mo 202.031†	44.5	38.9	13.3921	ug/L	13.3921	ug/L	13:19:59
1	Na 589.592†	281295.0	266419.4	21.3970	mg/L	21.3970	mg/L	13:19:34
1	Ni 231.604†	97.9	102.9	14.2737	ug/L	14.2737	ug/L	13:19:59
1	Pb 220.353†	-63.8	16.0	6.49833	ug/L	6.49833	ug/L	13:19:59
1	Sb 217.584†	8.9	3.3	10.9589	ug/L	10.9589	ug/L	13:19:59
1	Se 196.026†	19.9	25.2	50.6327	ug/L	50.6327	ug/L	13:19:59
1	Si 251.611†	83989.6	79267.8	11574.3	ug/L	11574.3	ug/L	13:19:39
1	Sn 189.927†	-11.0	-9.1	7.28509	ug/L	7.28509	ug/L	13:19:59
1	Sr 407.771†	655613.6	620968.9	258.112	ug/L	258.112	ug/L	13:19:34
1	Ti 334.946†	-242.3	-1526.2	-3.38434	ug/L	-3.38434	ug/L	13:19:39

1	Tl 190.801†	-0.1	2.9	9.57622 ug/L	9.57622 ug/L	13:19:59
1	V 292.395†	-0.3	116.5	5.30240 ug/L	5.30240 ug/L	13:19:39
1	Zn 206.200†	340.7	254.2	37.8024 ug/L	37.8024 ug/L	13:19:59
2	Sc 357.234	550415.8	550415.8	101.7 %		13:20:07
2	Y 371.029	702566.7	702566.7	102.2 %		13:20:07
2	Ag 328.068†	-394.4	29.2	1.98404 ug/L	1.98404 ug/L	13:20:12
2	Al 396.146†	711.7	263.9	-17.1949 ug/L	-17.1949 ug/L	13:20:12
2	As 188.979†	26.0	14.9	19.3055 ug/L	19.3055 ug/L	13:20:32
2	B 249.769†	2343.0	1854.3	44.2059 ug/L	44.2059 ug/L	13:20:32
2	Ba 455.403†	58311.6	56977.9	106.822 ug/L	106.822 ug/L	13:20:07
2	Be 234.863†	139.2	-27.4	0.0204440 ug/L	0.0204440 ug/L	13:20:32
2	Ca 315.874†	727822.8	715424.5	41.4358 mg/L	41.4358 mg/L	13:20:07
2	Cd 214.436†	-50.5	-7.6	2.76596 ug/L	2.76596 ug/L	13:20:32
2	Ce 413.764†	124.3	24.3	2.31747 ug/L	2.31747 ug/L	13:20:12
2	Co 228.616†	-46.4	-12.7	-0.479122 ug/L	-0.479122 ug/L	13:20:32
2	Cr 205.563†	36.0	-9.8	0.664647 ug/L	0.664647 ug/L	13:20:32
2	Cu 324.741†	-137.9	17.0	5.12530 ug/L	5.12530 ug/L	13:20:12
2	Fe 238.204†	252.7	128.5	11.8942 ug/L	11.8942 ug/L	13:20:32
2	K 766.490†	17148.9	14370.2	2.43787 mg/L	2.43787 mg/L	13:20:12
2	Li 670.784†	5959.0	3820.9	16.1172 ug/L	16.1172 ug/L	13:20:12
2	Mg 279.071†	20638.6	20177.6	5.92953 mg/L	5.92953 mg/L	13:20:12
2	Mn 257.610†	271.4	169.2	2.73025 ug/L	2.73025 ug/L	13:20:32
2	Mo 202.031†	36.9	32.8	11.5177 ug/L	11.5177 ug/L	13:20:32
2	Na 589.592†	282520.3	276916.3	22.2406 mg/L	22.2406 mg/L	13:20:07
2	Ni 231.604†	91.9	100.2	13.9869 ug/L	13.9869 ug/L	13:20:32
2	Pb 220.353†	-59.0	18.7	8.27843 ug/L	8.27843 ug/L	13:20:32
2	Sb 217.584†	16.9	11.5	28.0924 ug/L	28.0924 ug/L	13:20:32
2	Se 196.026†	19.9	25.9	51.7598 ug/L	51.7598 ug/L	13:20:32
2	Si 251.611†	83446.3	81508.4	11901.4 ug/L	11901.4 ug/L	13:20:12
2	Sn 189.927†	-11.8	-10.3	5.11492 ug/L	5.11492 ug/L	13:20:32
2	Sr 407.771†	660360.5	647292.8	269.206 ug/L	269.206 ug/L	13:20:07
2	Ti 334.946†	-283.9	-1575.1	-3.61200 ug/L	-3.61200 ug/L	13:20:12
2	Tl 190.801†	-6.1	-3.1	-25.7198 ug/L	-25.7198 ug/L	13:20:32
2	V 292.395†	49.5	165.5	6.43890 ug/L	6.43890 ug/L	13:20:12
2	Zn 206.200†	340.2	264.9	39.3713 ug/L	39.3713 ug/L	13:20:32

Mean Data: 1204454-01

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	559987.6	103.5	%	2.50				2.42%
Y 371.029	716234.5	104.2	%	2.81				2.70%
Ag 328.068†	53.9	2.56074	ug/L	0.815572	2.56074	ug/L	0.815572	31.85%
Al 396.146†	294.6	-15.1237	ug/L	2.92908	-15.1237	ug/L	2.92908	19.37%
As 188.979†	15.0	20.0877	ug/L	1.10622	20.0877	ug/L	1.10622	5.51%
B 249.769†	1797.5	42.8014	ug/L	1.98626	42.8014	ug/L	1.98626	4.64%
Ba 455.403†	55862.9	104.742	ug/L	2.9412	104.742	ug/L	2.9412	2.81%
Be 234.863†	-24.7	0.0295254	ug/L	0.01284309	0.0295254	ug/L	0.01284309	43.50%
Ca 315.874†	700895.9	40.5934	mg/L	1.19131	40.5934	mg/L	1.19131	2.93%
Cd 214.436†	-2.4	3.05152	ug/L	0.403841	3.05152	ug/L	0.403841	13.23%
Ce 413.764†	-5.9	-1.85608	ug/L	5.902296	-1.85608	ug/L	5.902296	318.00%
Co 228.616†	-8.7	0.0677310	ug/L	0.77336686	0.0677310	ug/L	0.77336686	>999.9%
Cr 205.563†	-7.5	1.03739	ug/L	0.527137	1.03739	ug/L	0.527137	50.81%
Cu 324.741†	44.1	6.91972	ug/L	2.537695	6.91972	ug/L	2.537695	36.67%
Fe 238.204†	123.6	11.5663	ug/L	0.46360	11.5663	ug/L	0.46360	4.01%
K 766.490†	13988.3	2.37323	mg/L	0.091409	2.37323	mg/L	0.091409	3.85%
Li 670.784†	3760.0	15.8684	ug/L	0.35188	15.8684	ug/L	0.35188	2.22%
Mg 279.071†	19829.3	5.82696	mg/L	0.145048	5.82696	mg/L	0.145048	2.49%
Mn 257.610†	194.3	2.88253	ug/L	0.215353	2.88253	ug/L	0.215353	7.47%
Mo 202.031†	35.8	12.4549	ug/L	1.32539	12.4549	ug/L	1.32539	10.64%
Na 589.592†	271667.8	21.8188	mg/L	0.59654	21.8188	mg/L	0.59654	2.73%
Ni 231.604†	101.5	14.1303	ug/L	0.20278	14.1303	ug/L	0.20278	1.44%
Pb 220.353†	17.3	7.38838	ug/L	1.258725	7.38838	ug/L	1.258725	17.04%
Sb 217.584†	7.4	19.5257	ug/L	12.11517	19.5257	ug/L	12.11517	62.05%
Se 196.026†	25.5	51.1962	ug/L	0.79695	51.1962	ug/L	0.79695	1.56%
Si 251.611†	80388.1	11737.8	ug/L	231.31	11737.8	ug/L	231.31	1.97%
Sn 189.927†	-9.7	6.20001	ug/L	1.534545	6.20001	ug/L	1.534545	24.75%
Sr 407.771†	634130.9	263.659	ug/L	7.8447	263.659	ug/L	7.8447	2.98%
Ti 334.946†	-1550.7	-3.49817	ug/L	0.160983	-3.49817	ug/L	0.160983	4.60%
Tl 190.801†	-0.1	-8.07178	ug/L	24.958042	-8.07178	ug/L	24.958042	309.20%
V 292.395†	141.0	5.87065	ug/L	0.803625	5.87065	ug/L	0.803625	13.69%
Zn 206.200†	259.5	38.5869	ug/L	1.10937	38.5869	ug/L	1.10937	2.88%

Sequence No.: 29
Sample ID: 1205293-MS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 28
Date Collected: 5/7/2012 1:21:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205293-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	515313.5	515313.5	95.26	%			13:23:01
1	Y 371.029	652914.8	652914.8	94.99	%			13:23:01
1	Ag 328.068†	14711.2	15860.7	379.849	ug/L	379.849	ug/L	13:23:07
1	Al 396.146†	25366.6	26194.5	1899.83	ug/L	1899.83	ug/L	13:23:07
1	As 188.979†	661.7	684.0	1953.54	ug/L	1953.54	ug/L	13:23:27
1	B 249.769†	16625.4	17005.0	418.325	ug/L	418.325	ug/L	13:23:07
1	Ba 455.403†	253071.4	265342.8	495.329	ug/L	495.329	ug/L	13:23:01
1	Be 234.863†	11123.1	11512.9	38.7464	ug/L	38.7464	ug/L	13:23:07
1	Ca 315.874†	1047524.0	1099778.6	63.7210	mg/L	63.7210	mg/L	13:23:01
1	Cd 214.436†	6459.6	6823.4	382.298	ug/L	382.298	ug/L	13:23:27
1	Ce 413.764†	176.4	87.3	10.6541	ug/L	10.6541	ug/L	13:23:07
1	Co 228.616†	2663.4	2828.9	381.914	ug/L	381.914	ug/L	13:23:27
1	Cr 205.563†	2221.3	2286.8	382.009	ug/L	382.009	ug/L	13:23:27
1	Cu 324.741†	5176.6	5587.0	380.521	ug/L	380.521	ug/L	13:23:07
1	Fe 238.204†	5884.7	6058.0	401.830	ug/L	401.830	ug/L	13:23:27
1	K 766.490†	126604.4	130425.9	22.0798	mg/L	22.0798	mg/L	13:23:07
1	Li 670.784†	96159.9	98913.7	405.337	ug/L	405.337	ug/L	13:23:07
1	Mg 279.071†	83491.3	87542.8	25.7691	mg/L	25.7691	mg/L	13:23:07
1	Mn 257.610†	59408.2	62270.0	380.223	ug/L	380.223	ug/L	13:23:07
1	Mo 202.031†	1292.5	1353.4	402.943	ug/L	402.943	ug/L	13:23:27
1	Na 589.592†	513083.0	537878.4	43.2141	mg/L	43.2141	mg/L	13:23:01
1	Ni 231.604†	3524.2	3709.6	397.825	ug/L	397.825	ug/L	13:23:27
1	Pb 220.353†	483.2	583.9	396.944	ug/L	396.944	ug/L	13:23:27
1	Sb 217.584†	838.5	875.1	1848.28	ug/L	1848.28	ug/L	13:23:27
1	Se 196.026†	714.2	756.0	1966.55	ug/L	1966.55	ug/L	13:23:27
1	Si 251.611†	26501.2	27313.6	3963.58	ug/L	3963.58	ug/L	13:23:07
1	Sn 189.927†	813.7	855.5	1975.23	ug/L	1975.23	ug/L	13:23:27
1	Sr 407.771†	1517827.0	1591682.2	670.791	ug/L	670.791	ug/L	13:23:01
1	Ti 334.946†	78077.7	80670.7	379.418	ug/L	379.418	ug/L	13:23:07
1	Tl 190.801†	301.3	319.3	1901.21	ug/L	1901.21	ug/L	13:23:27
1	V 292.395†	15502.5	16391.6	391.600	ug/L	391.600	ug/L	13:23:07
1	Zn 206.200†	2737.1	2804.0	419.724	ug/L	419.724	ug/L	13:23:27
2	Sc 357.234	512835.2	512835.2	94.80	%			13:23:36
2	Y 371.029	650470.8	650470.8	94.63	%			13:23:36
2	Ag 328.068†	14636.6	15856.6	379.761	ug/L	379.761	ug/L	13:23:41
2	Al 396.146†	25241.0	26190.7	1899.32	ug/L	1899.32	ug/L	13:23:41
2	As 188.979†	668.5	694.6	1983.59	ug/L	1983.59	ug/L	13:24:02
2	B 249.769†	16636.1	17100.7	420.686	ug/L	420.686	ug/L	13:23:41
2	Ba 455.403†	257961.3	271785.0	507.341	ug/L	507.341	ug/L	13:23:36
2	Be 234.863†	11062.0	11504.8	38.7190	ug/L	38.7190	ug/L	13:23:41
2	Ca 315.874†	1067251.6	1125903.4	65.2357	mg/L	65.2357	mg/L	13:23:36
2	Cd 214.436†	6489.3	6887.4	385.857	ug/L	385.857	ug/L	13:24:02
2	Ce 413.764†	194.2	107.1	13.3556	ug/L	13.3556	ug/L	13:23:41
2	Co 228.616†	2660.3	2839.2	383.299	ug/L	383.299	ug/L	13:24:02
2	Cr 205.563†	2233.3	2310.7	385.994	ug/L	385.994	ug/L	13:24:02
2	Cu 324.741†	5153.0	5588.3	380.661	ug/L	380.661	ug/L	13:23:41
2	Fe 238.204†	5911.3	6115.9	405.636	ug/L	405.636	ug/L	13:24:02
2	K 766.490†	125872.0	130295.6	22.0577	mg/L	22.0577	mg/L	13:23:41
2	Li 670.784†	95822.5	99045.6	405.877	ug/L	405.877	ug/L	13:23:41
2	Mg 279.071†	83041.5	87491.9	25.7541	mg/L	25.7541	mg/L	13:23:41
2	Mn 257.610†	59153.0	62302.1	380.418	ug/L	380.418	ug/L	13:23:41
2	Mo 202.031†	1281.1	1347.9	401.294	ug/L	401.294	ug/L	13:24:02
2	Na 589.592†	521246.5	549093.0	44.1154	mg/L	44.1154	mg/L	13:23:36
2	Ni 231.604†	3517.0	3719.9	398.907	ug/L	398.907	ug/L	13:24:02
2	Pb 220.353†	459.6	561.5	381.555	ug/L	381.555	ug/L	13:24:02
2	Sb 217.584†	847.1	888.5	1876.28	ug/L	1876.28	ug/L	13:24:02
2	Se 196.026†	726.2	772.3	2008.83	ug/L	2008.83	ug/L	13:24:02
2	Si 251.611†	26344.0	27282.3	3959.00	ug/L	3959.00	ug/L	13:23:41
2	Sn 189.927†	815.3	861.3	1988.95	ug/L	1988.95	ug/L	13:24:02
2	Sr 407.771†	1547526.1	1630711.8	687.331	ug/L	687.331	ug/L	13:23:36

2	Ti 334.946†	77767.3	80739.4	379.737 ug/L	379.737 ug/L	13:23:41
2	Tl 190.801†	300.5	320.0	1905.58 ug/L	1905.58 ug/L	13:24:02
2	V 292.395†	15446.0	16410.7	392.032 ug/L	392.032 ug/L	13:23:41
2	Zn 206.200†	2766.8	2849.2	426.494 ug/L	426.494 ug/L	13:24:02

Mean Data: 1205293-MS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	514074.4	95.03	%	0.324				0.34%
Y 371.029	651692.8	94.81	%	0.251				0.27%
Ag 328.068†	15858.7	379.805	ug/L	0.0625	379.805	ug/L	0.0625	0.02%
Al 396.146†	26192.6	1899.57	ug/L	0.360	1899.57	ug/L	0.360	0.02%
As 188.979†	689.3	1968.57	ug/L	21.251	1968.57	ug/L	21.251	1.08%
B 249.769†	17052.8	419.506	ug/L	1.6694	419.506	ug/L	1.6694	0.40%
Ba 455.403†	268563.9	501.335	ug/L	8.4938	501.335	ug/L	8.4938	1.69%
Be 234.863†	11508.8	38.7327	ug/L	0.01936	38.7327	ug/L	0.01936	0.05%
Ca 315.874†	1112841.0	64.4783	mg/L	1.07108	64.4783	mg/L	1.07108	1.66%
Cd 214.436†	6855.4	384.077	ug/L	2.5160	384.077	ug/L	2.5160	0.66%
Ce 413.764†	97.2	12.0048	ug/L	1.91030	12.0048	ug/L	1.91030	15.91%
Co 228.616†	2834.0	382.606	ug/L	0.9795	382.606	ug/L	0.9795	0.26%
Cr 205.563†	2298.8	384.002	ug/L	2.8179	384.002	ug/L	2.8179	0.73%
Cu 324.741†	5587.7	380.591	ug/L	0.0989	380.591	ug/L	0.0989	0.03%
Fe 238.204†	6086.9	403.733	ug/L	2.6913	403.733	ug/L	2.6913	0.67%
K 766.490†	130360.7	22.0687	mg/L	0.01559	22.0687	mg/L	0.01559	0.07%
Li 670.784†	98979.7	405.607	ug/L	0.3816	405.607	ug/L	0.3816	0.09%
Mg 279.071†	87517.3	25.7616	mg/L	0.01061	25.7616	mg/L	0.01061	0.04%
Mn 257.610†	62286.0	380.320	ug/L	0.1380	380.320	ug/L	0.1380	0.04%
Mo 202.031†	1350.7	402.118	ug/L	1.1664	402.118	ug/L	1.1664	0.29%
Na 589.592†	543485.7	43.6647	mg/L	0.63732	43.6647	mg/L	0.63732	1.46%
Ni 231.604†	3714.7	398.366	ug/L	0.7652	398.366	ug/L	0.7652	0.19%
Pb 220.353†	572.7	389.249	ug/L	10.8818	389.249	ug/L	10.8818	2.80%
Sb 217.584†	881.8	1862.28	ug/L	19.793	1862.28	ug/L	19.793	1.06%
Se 196.026†	764.2	1987.69	ug/L	29.903	1987.69	ug/L	29.903	1.50%
Si 251.611†	27297.9	3961.29	ug/L	3.236	3961.29	ug/L	3.236	0.08%
Sn 189.927†	858.4	1982.09	ug/L	9.695	1982.09	ug/L	9.695	0.49%
Sr 407.771†	1611197.0	679.061	ug/L	11.6951	679.061	ug/L	11.6951	1.72%
Ti 334.946†	80705.1	379.578	ug/L	0.2261	379.578	ug/L	0.2261	0.06%
Tl 190.801†	319.7	1903.40	ug/L	3.086	1903.40	ug/L	3.086	0.16%
V 292.395†	16401.1	391.816	ug/L	0.3059	391.816	ug/L	0.3059	0.08%
Zn 206.200†	2826.6	423.109	ug/L	4.7874	423.109	ug/L	4.7874	1.13%

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Sequence No.: 30
Sample ID: 1205293-MSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 29
Date Collected: 5/7/2012 1:25:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205293-MSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	537920.6	537920.6	99.43	%			13:26:32
1	Y 371.029	685229.7	685229.7	99.69	%			13:26:32
1	Ag 328.068†	14228.4	14726.1	352.766	ug/L	352.766	ug/L	13:26:38
1	Al 396.146†	24490.1	24193.9	1751.89	ug/L	1751.89	ug/L	13:26:38
1	As 188.979†	656.3	649.4	1854.87	ug/L	1854.87	ug/L	13:26:58
1	B 249.769†	16720.6	16367.2	402.586	ug/L	402.586	ug/L	13:26:38
1	Ba 455.403†	253253.6	254360.5	474.852	ug/L	474.852	ug/L	13:26:32
1	Be 234.863†	10791.4	10688.6	35.9797	ug/L	35.9797	ug/L	13:26:38
1	Ca 315.874†	1051734.3	1057796.1	61.2868	mg/L	61.2868	mg/L	13:26:32
1	Cd 214.436†	6353.6	6431.8	360.540	ug/L	360.540	ug/L	13:26:58
1	Ce 413.764†	171.7	74.8	8.97356	ug/L	8.97356	ug/L	13:26:38
1	Co 228.616†	2628.7	2676.5	361.423	ug/L	361.423	ug/L	13:26:58
1	Cr 205.563†	2198.3	2165.6	361.900	ug/L	361.900	ug/L	13:26:58
1	Cu 324.741†	5049.3	5230.6	356.465	ug/L	356.465	ug/L	13:26:38
1	Fe 238.204†	5808.8	5722.0	379.738	ug/L	379.738	ug/L	13:26:58
1	K 766.490†	123859.9	122079.9	20.6673	mg/L	20.6673	mg/L	13:26:38
1	Li 670.784†	93769.7	92267.3	378.133	ug/L	378.133	ug/L	13:26:38
1	Mg 279.071†	81067.8	81421.9	23.9664	mg/L	23.9664	mg/L	13:26:38
1	Mn 257.610†	57492.7	57722.4	352.581	ug/L	352.581	ug/L	13:26:38

1	Mo 202.031†	1272.9	1276.7	380.369 ug/L	380.369 ug/L	13:26:58
1	Na 589.592†	516764.0	518943.2	41.6922 mg/L	41.6922 mg/L	13:26:32
1	Ni 231.604†	3424.1	3453.4	370.576 ug/L	370.576 ug/L	13:26:58
1	Pb 220.353†	448.5	527.7	358.340 ug/L	358.340 ug/L	13:26:58
1	Sb 217.584†	885.4	885.2	1869.26 ug/L	1869.26 ug/L	13:26:58
1	Se 196.026†	691.6	701.8	1824.50 ug/L	1824.50 ug/L	13:26:58
1	Si 251.611†	98959.6	99015.2	14432.7 ug/L	14432.7 ug/L	13:26:38
1	Sn 189.927†	805.7	811.6	1874.90 ug/L	1874.90 ug/L	13:26:58
1	Sr 407.771†	1523333.1	1530253.1	644.766 ug/L	644.766 ug/L	13:26:32
1	Ti 334.946†	75711.1	74845.9	352.290 ug/L	352.290 ug/L	13:26:38
1	Tl 190.801†	292.1	296.8	1766.58 ug/L	1766.58 ug/L	13:26:58
1	V 292.395†	15057.1	15259.6	364.769 ug/L	364.769 ug/L	13:26:38
1	Zn 206.200†	2662.5	2608.2	390.411 ug/L	390.411 ug/L	13:26:58
2	Sc 357.234	548232.2	548232.2	101.3 %		13:27:07
2	Y 371.029	700097.0	700097.0	101.9 %		13:27:07
2	Ag 328.068†	14427.4	14653.4	351.015 ug/L	351.015 ug/L	13:27:13
2	Al 396.146†	24738.6	23975.8	1735.70 ug/L	1735.70 ug/L	13:27:13
2	As 188.979†	648.6	629.5	1796.90 ug/L	1796.90 ug/L	13:27:33
2	B 249.769†	16950.9	16278.2	400.396 ug/L	400.396 ug/L	13:27:13
2	Ba 455.403†	254390.6	250692.0	468.011 ug/L	468.011 ug/L	13:27:07
2	Be 234.863†	10927.1	10618.4	35.7447 ug/L	35.7447 ug/L	13:27:13
2	Ca 315.874†	1058257.9	1044338.9	60.5065 mg/L	60.5065 mg/L	13:27:07
2	Cd 214.436†	6323.1	6281.5	352.193 ug/L	352.193 ug/L	13:27:33
2	Ce 413.764†	150.2	50.4	5.60232 ug/L	5.60232 ug/L	13:27:13
2	Co 228.616†	2613.5	2611.7	352.699 ug/L	352.699 ug/L	13:27:33
2	Cr 205.563†	2170.0	2096.2	350.357 ug/L	350.357 ug/L	13:27:33
2	Cu 324.741†	5111.0	5195.9	354.106 ug/L	354.106 ug/L	13:27:13
2	Fe 238.204†	5797.6	5601.1	371.784 ug/L	371.784 ug/L	13:27:33
2	K 766.490†	124676.7	120543.0	20.4071 mg/L	20.4071 mg/L	13:27:13
2	Li 670.784†	94705.0	91416.5	374.651 ug/L	374.651 ug/L	13:27:13
2	Mg 279.071†	81999.8	80808.1	23.7857 mg/L	23.7857 mg/L	13:27:13
2	Mn 257.610†	58007.1	57142.5	349.055 ug/L	349.055 ug/L	13:27:13
2	Mo 202.031†	1270.2	1250.0	372.378 ug/L	372.378 ug/L	13:27:33
2	Na 589.592†	520240.8	512598.9	41.1824 mg/L	41.1824 mg/L	13:27:07
2	Ni 231.604†	3441.3	3405.6	365.499 ug/L	365.499 ug/L	13:27:33
2	Pb 220.353†	465.6	536.1	364.057 ug/L	364.057 ug/L	13:27:33
2	Sb 217.584†	875.1	858.4	1812.73 ug/L	1812.73 ug/L	13:27:33
2	Se 196.026†	703.5	700.5	1821.34 ug/L	1821.34 ug/L	13:27:33
2	Si 251.611†	99651.9	97826.4	14259.4 ug/L	14259.4 ug/L	13:27:13
2	Sn 189.927†	809.0	799.6	1847.48 ug/L	1847.48 ug/L	13:27:33
2	Sr 407.771†	1532711.2	1510691.9	636.478 ug/L	636.478 ug/L	13:27:07
2	Ti 334.946†	76577.9	74269.1	349.604 ug/L	349.604 ug/L	13:27:13
2	Tl 190.801†	294.6	293.7	1748.21 ug/L	1748.21 ug/L	13:27:33
2	V 292.395†	15130.0	15046.8	359.692 ug/L	359.692 ug/L	13:27:13
2	Zn 206.200†	2647.8	2543.4	380.693 ug/L	380.693 ug/L	13:27:33

Mean Data: 1205293-MSD1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	543076.4	100.4	%	1.35				1.34%
Y 371.029	692663.4	100.8	%	1.53				1.52%
Ag 328.068†	14689.7	351.890	ug/L	1.2378	351.890	ug/L	1.2378	0.35%
Al 396.146†	24084.9	1743.79	ug/L	11.448	1743.79	ug/L	11.448	0.66%
As 188.979†	639.4	1825.89	ug/L	40.990	1825.89	ug/L	40.990	2.24%
B 249.769†	16322.7	401.491	ug/L	1.5483	401.491	ug/L	1.5483	0.39%
Ba 455.403†	252526.3	471.431	ug/L	4.8372	471.431	ug/L	4.8372	1.03%
Be 234.863†	10653.5	35.8622	ug/L	0.16617	35.8622	ug/L	0.16617	0.46%
Ca 315.874†	1051067.5	60.8966	mg/L	0.55172	60.8966	mg/L	0.55172	0.91%
Cd 214.436†	6356.7	356.366	ug/L	5.9016	356.366	ug/L	5.9016	1.66%
Ce 413.764†	62.6	7.28794	ug/L	2.383831	7.28794	ug/L	2.383831	32.71%
Co 228.616†	2644.1	357.061	ug/L	6.1688	357.061	ug/L	6.1688	1.73%
Cr 205.563†	2130.9	356.128	ug/L	8.1625	356.128	ug/L	8.1625	2.29%
Cu 324.741†	5213.2	355.286	ug/L	1.6676	355.286	ug/L	1.6676	0.47%
Fe 238.204†	5661.5	375.761	ug/L	5.6243	375.761	ug/L	5.6243	1.50%
K 766.490†	121311.5	20.5372	mg/L	0.18393	20.5372	mg/L	0.18393	0.90%
Li 670.784†	91841.9	376.392	ug/L	2.4622	376.392	ug/L	2.4622	0.65%
Mg 279.071†	81115.0	23.8760	mg/L	0.12783	23.8760	mg/L	0.12783	0.54%
Mn 257.610†	57432.5	350.818	ug/L	2.4936	350.818	ug/L	2.4936	0.71%
Mo 202.031†	1263.4	376.373	ug/L	5.6506	376.373	ug/L	5.6506	1.50%
Na 589.592†	515771.1	41.4373	mg/L	0.36054	41.4373	mg/L	0.36054	0.87%
Ni 231.604†	3429.5	368.038	ug/L	3.5905	368.038	ug/L	3.5905	0.98%

Pb 220.353†	531.9	361.198 ug/L	4.0420	361.198 ug/L	4.0420	1.12%
Sb 217.584†	871.8	1840.99 ug/L	39.971	1840.99 ug/L	39.971	2.17%
Se 196.026†	701.1	1822.92 ug/L	2.237	1822.92 ug/L	2.237	0.12%
Si 251.611†	98420.8	14346.0 ug/L	122.55	14346.0 ug/L	122.55	0.85%
Sn 189.927†	805.6	1861.19 ug/L	19.389	1861.19 ug/L	19.389	1.04%
Sr 407.771†	1520472.5	640.622 ug/L	5.8610	640.622 ug/L	5.8610	0.91%
Ti 334.946†	74557.5	350.947 ug/L	1.8995	350.947 ug/L	1.8995	0.54%
Tl 190.801†	295.2	1757.39 ug/L	12.988	1757.39 ug/L	12.988	0.74%
V 292.395†	15153.2	362.230 ug/L	3.5897	362.230 ug/L	3.5897	0.99%
Zn 206.200†	2575.8	385.552 ug/L	6.8717	385.552 ug/L	6.8717	1.78%

Sequence No.: 31
Sample ID: 2E07042-SRD2
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 30
Date Collected: 5/7/2012 1:28:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-SRD2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	525121.5	525121.5	97.07	%			13:30:00
1	Y 371.029	664074.0	664074.0	96.61	%			13:30:00
1	Ag 328.068†	-349.1	57.2	2.58739	ug/L	12.9369	ug/L	13:30:00
1	Al 396.146†	593.5	175.8	-12.3750	ug/L	-61.8750	ug/L	13:30:00
1	As 188.979†	17.0	6.9	18.7652	ug/L	93.8258	ug/L	13:30:20
1	B 249.769†	975.4	556.3	12.1180	ug/L	60.5901	ug/L	13:30:20
1	Ba 455.403†	12136.8	12169.1	23.2719	ug/L	116.360	ug/L	13:30:00
1	Be 234.863†	149.5	-10.2	0.0790861	ug/L	0.395431	ug/L	13:30:20
1	Ca 315.874†	147526.4	152058.5	8.77137	mg/L	43.8568	mg/L	13:30:00
1	Cd 214.436†	-67.9	-28.0	1.63358	ug/L	8.16790	ug/L	13:30:20
1	Ce 413.764†	-14.1	-112.4	-15.8257	ug/L	-79.1284	ug/L	13:30:00
1	Co 228.616†	-31.9	-0.1	1.21245	ug/L	6.06223	ug/L	13:30:20
1	Cr 205.563†	38.3	-5.7	1.35486	ug/L	6.77431	ug/L	13:30:20
1	Cu 324.741†	-96.4	53.2	6.54696	ug/L	32.7348	ug/L	13:30:00
1	Fe 238.204†	125.5	9.4	4.06031	ug/L	20.3015	ug/L	13:30:20
1	K 766.490†	5272.1	2946.5	0.504471	mg/L	2.52235	mg/L	13:30:00
1	Li 670.784†	3140.8	1199.6	5.39011	ug/L	26.9506	ug/L	13:30:00
1	Mg 279.071†	4290.0	4312.2	1.25707	mg/L	6.28537	mg/L	13:30:00
1	Mn 257.610†	114.4	20.4	1.82429	ug/L	9.12143	ug/L	13:30:20
1	Mo 202.031†	22.9	20.2	8.87605	ug/L	44.3802	ug/L	13:30:20
1	Na 589.592†	57160.1	58124.7	4.65642	mg/L	23.2821	mg/L	13:30:00
1	Ni 231.604†	19.5	30.0	6.50830	ug/L	32.5415	ug/L	13:30:20
1	Pb 220.353†	-71.2	3.3	-2.25661	ug/L	-11.2831	ug/L	13:30:20
1	Sb 217.584†	15.6	10.9	26.8060	ug/L	134.030	ug/L	13:30:20
1	Se 196.026†	-3.2	3.0	3.35755	ug/L	16.7878	ug/L	13:30:20
1	Si 251.611†	17459.4	17479.1	2553.77	ug/L	12768.9	ug/L	13:30:00
1	Sn 189.927†	-5.9	-4.8	7.52578	ug/L	37.6289	ug/L	13:30:20
1	Sr 407.771†	134835.2	137158.3	54.3179	ug/L	271.590	ug/L	13:30:00
1	Ti 334.946†	1046.6	-217.8	2.70901	ug/L	13.5451	ug/L	13:30:00
1	Tl 190.801†	-1.1	1.9	3.66613	ug/L	18.3306	ug/L	13:30:20
1	V 292.395†	-79.4	35.1	3.33359	ug/L	16.6679	ug/L	13:30:00
1	Zn 206.200†	113.2	47.2	7.56079	ug/L	37.8040	ug/L	13:30:20
2	Sc 357.234	525244.6	525244.6	97.09	%			13:30:27
2	Y 371.029	664736.5	664736.5	96.71	%			13:30:27
2	Ag 328.068†	-344.5	61.9	2.70118	ug/L	13.5059	ug/L	13:30:27
2	Al 396.146†	589.9	171.9	-12.5372	ug/L	-62.6860	ug/L	13:30:27
2	As 188.979†	18.0	8.0	21.7618	ug/L	108.809	ug/L	13:30:47
2	B 249.769†	974.3	554.9	12.0843	ug/L	60.4217	ug/L	13:30:47
2	Ba 455.403†	12056.7	12083.6	23.1127	ug/L	115.563	ug/L	13:30:27
2	Be 234.863†	154.8	-4.8	0.0974748	ug/L	0.487374	ug/L	13:30:47
2	Ca 315.874†	148738.2	153271.1	8.84167	mg/L	44.2084	mg/L	13:30:27
2	Cd 214.436†	-53.4	-13.0	2.46764	ug/L	12.3382	ug/L	13:30:47
2	Ce 413.764†	-9.5	-107.6	-15.1699	ug/L	-75.8494	ug/L	13:30:27
2	Co 228.616†	-36.1	-4.4	0.632365	ug/L	3.16183	ug/L	13:30:47
2	Cr 205.563†	33.8	-10.3	0.584390	ug/L	2.92195	ug/L	13:30:47
2	Cu 324.741†	-111.9	37.2	5.47676	ug/L	27.3838	ug/L	13:30:27
2	Fe 238.204†	116.1	-0.3	3.42586	ug/L	17.1293	ug/L	13:30:47
2	K 766.490†	5255.0	2927.7	0.501274	mg/L	2.50637	mg/L	13:30:27
2	Li 670.784†	3032.0	1086.9	4.92854	ug/L	24.6427	ug/L	13:30:27
2	Mg 279.071†	4168.7	4186.3	1.21998	mg/L	6.09989	mg/L	13:30:27

2	Mn 257.610†	116.7	22.7	1.83746 ug/L	9.18730 ug/L	13:30:47
2	Mo 202.031†	14.8	11.8	6.38602 ug/L	31.9301 ug/L	13:30:47
2	Na 589.592†	57486.9	58447.6	4.68237 mg/L	23.4118 mg/L	13:30:27
2	Ni 231.604†	-2.3	7.5	4.11623 ug/L	20.5811 ug/L	13:30:47
2	Pb 220.353†	-71.1	3.4	-2.16081 ug/L	-10.8041 ug/L	13:30:47
2	Sb 217.584†	-2.0	-7.2	-11.4482 ug/L	-57.2409 ug/L	13:30:47
2	Se 196.026†	-8.6	-2.6	-11.2016 ug/L	-56.0082 ug/L	13:30:47
2	Si 251.611†	17543.6	17561.6	2565.83 ug/L	12829.2 ug/L	13:30:27
2	Sn 189.927†	-5.3	-4.2	9.00874 ug/L	45.0437 ug/L	13:30:47
2	Sr 407.771†	135832.6	138153.0	54.7367 ug/L	273.684 ug/L	13:30:27
2	Ti 334.946†	1065.8	-198.3	2.79981 ug/L	13.9991 ug/L	13:30:27
2	Tl 190.801†	-4.2	-1.4	-15.6090 ug/L	-78.0451 ug/L	13:30:47
2	V 292.395†	-143.6	-31.1	1.75488 ug/L	8.77440 ug/L	13:30:27
2	Zn 206.200†	123.4	57.7	9.14035 ug/L	45.7017 ug/L	13:30:47

Mean Data: 2E07042-SRD2

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	525183.0	97.08	%	0.016				0.02%
Y 371.029	664405.3	96.66	%	0.068				0.07%
Ag 328.068†	59.5	2.64428	ug/L	0.080464	13.2214	ug/L	0.40232	3.04%
Al 396.146†	173.9	-12.4561	ug/L	0.11468	-62.2805	ug/L	0.57342	0.92%
As 188.979†	7.5	20.2635	ug/L	2.11893	101.317	ug/L	10.5946	10.46%
B 249.769†	555.6	12.1012	ug/L	0.02382	60.5059	ug/L	0.11909	0.20%
Ba 455.403†	12126.4	23.1923	ug/L	0.11259	115.962	ug/L	0.5629	0.49%
Be 234.863†	-7.5	0.0882805	ug/L	0.01300277	0.441402	ug/L	0.0650138	14.73%
Ca 315.874†	152664.8	8.80652	mg/L	0.049713	44.0326	mg/L	0.24856	0.56%
Cd 214.436†	-20.5	2.05061	ug/L	0.589768	10.2530	ug/L	2.94884	28.76%
Ce 413.764†	-110.0	-15.4978	ug/L	0.46372	-77.4889	ug/L	2.31859	2.99%
Co 228.616†	-2.2	0.922405	ug/L	0.4101782	4.61203	ug/L	2.050891	44.47%
Cr 205.563†	-8.0	0.969626	ug/L	0.5448061	4.84813	ug/L	2.724030	56.19%
Cu 324.741†	45.2	6.01186	ug/L	0.756751	30.0593	ug/L	3.78376	12.59%
Fe 238.204†	4.6	3.74309	ug/L	0.448621	18.7154	ug/L	2.24310	11.99%
K 766.490†	2937.1	0.502872	mg/L	0.0022600	2.51436	mg/L	0.011300	0.45%
Li 670.784†	1143.2	5.15933	ug/L	0.326377	25.7966	ug/L	1.63189	6.33%
Mg 279.071†	4249.3	1.23853	mg/L	0.026230	6.19263	mg/L	0.131149	2.12%
Mn 257.610†	21.6	1.83087	ug/L	0.009316	9.15436	ug/L	0.046579	0.51%
Mo 202.031†	16.0	7.63103	ug/L	1.760718	38.1552	ug/L	8.80359	23.07%
Na 589.592†	58286.2	4.66939	mg/L	0.018348	23.3470	mg/L	0.09174	0.39%
Ni 231.604†	18.7	5.31226	ug/L	1.691449	26.5613	ug/L	8.45724	31.84%
Pb 220.353†	3.3	-2.20871	ug/L	0.067743	-11.0436	ug/L	0.33872	3.07%
Sb 217.584†	1.8	7.67892	ug/L	27.049792	38.3946	ug/L	135.24896	352.26%
Se 196.026†	0.2	-3.92204	ug/L	10.294899	-19.6102	ug/L	51.47450	262.49%
Si 251.611†	17520.3	2559.80	ug/L	8.527	12799.0	ug/L	42.64	0.33%
Sn 189.927†	-4.5	8.26726	ug/L	1.048606	41.3363	ug/L	5.24303	12.68%
Sr 407.771†	137655.7	54.5273	ug/L	0.29615	272.637	ug/L	1.4807	0.54%
Ti 334.946†	-208.1	2.75441	ug/L	0.064207	13.7721	ug/L	0.32104	2.33%
Tl 190.801†	0.3	-5.97144	ug/L	13.629581	-29.8572	ug/L	68.14791	228.25%
V 292.395†	2.0	2.54423	ug/L	1.116313	12.7212	ug/L	5.58157	43.88%
Zn 206.200†	52.5	8.35057	ug/L	1.116913	41.7528	ug/L	5.58456	13.38%

Sequence No.: 32
Sample ID: 1205293-PS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 31
Date Collected: 5/7/2012 1:32:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205293-PS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	528109.9	528109.9	97.62	%			13:33:15
1	Y 371.029	670658.7	670658.7	97.57	%			13:33:15
1	Ag 328.068†	9533.3	10182.4	244.320	ug/L	244.320	ug/L	13:33:21
1	Al 396.146†	17332.5	17319.3	1243.82	ug/L	1243.82	ug/L	13:33:21
1	As 188.979†	455.9	456.4	1295.95	ug/L	1295.95	ug/L	13:33:41
1	B 249.769†	12266.4	12116.9	297.638	ug/L	297.638	ug/L	13:33:21
1	Ba 455.403†	189909.0	194203.4	362.686	ug/L	362.686	ug/L	13:33:15
1	Be 234.863†	7437.7	7454.8	25.1284	ug/L	25.1284	ug/L	13:33:21
1	Ca 315.874†	940399.1	963396.4	55.8134	mg/L	55.8134	mg/L	13:33:15

1	Cd 214.436†	4267.7	4413.7	248.415 ug/L	248.415 ug/L	13:33:41
1	Ce 413.764†	150.5	56.4	6.50583 ug/L	6.50583 ug/L	13:33:21
1	Co 228.616†	1769.5	1845.4	249.569 ug/L	249.569 ug/L	13:33:41
1	Cr 205.563†	1489.6	1480.7	248.168 ug/L	248.168 ug/L	13:33:41
1	Cu 324.741†	3437.8	3674.1	251.592 ug/L	251.592 ug/L	13:33:21
1	Fe 238.204†	4005.8	3983.6	265.414 ug/L	265.414 ug/L	13:33:41
1	K 766.490†	89656.5	89357.0	15.1290 mg/L	15.1290 mg/L	13:33:15
1	Li 670.784†	66278.0	65857.4	270.036 ug/L	270.036 ug/L	13:33:15
1	Mg 279.071†	62470.5	63885.8	18.8019 mg/L	18.8019 mg/L	13:33:21
1	Mn 257.610†	40099.6	40979.5	250.802 ug/L	250.802 ug/L	13:33:21
1	Mo 202.031†	862.6	880.2	262.657 ug/L	262.657 ug/L	13:33:41
1	Na 589.592†	435804.4	445664.9	35.8029 mg/L	35.8029 mg/L	13:33:15
1	Ni 231.604†	2376.8	2444.6	263.293 ug/L	263.293 ug/L	13:33:41
1	Pb 220.353†	296.3	380.2	256.881 ug/L	256.881 ug/L	13:33:41
1	Sb 217.584†	592.9	602.2	1272.85 ug/L	1272.85 ug/L	13:33:41
1	Se 196.026†	492.0	510.3	1322.28 ug/L	1322.28 ug/L	13:33:41
1	Si 251.611†	93659.9	95435.1	13917.4 ug/L	13917.4 ug/L	13:33:21
1	Sn 189.927†	536.3	550.6	1281.57 ug/L	1281.57 ug/L	13:33:41
1	Sr 407.771†	1237939.8	1266363.6	532.477 ug/L	532.477 ug/L	13:33:15
1	Ti 334.946†	52103.0	52076.9	246.252 ug/L	246.252 ug/L	13:33:21
1	Tl 190.801†	206.4	214.4	1274.16 ug/L	1274.16 ug/L	13:33:41
1	V 292.395†	10384.8	10754.8	257.760 ug/L	257.760 ug/L	13:33:21
1	Zn 206.200†	1953.4	1931.6	289.051 ug/L	289.051 ug/L	13:33:41
2	Sc 357.234	520799.0	520799.0	96.27 %		13:33:48
2	Y 371.029	660957.3	660957.3	96.16 %		13:33:48
2	Ag 328.068†	9357.3	10136.7	243.242 ug/L	243.242 ug/L	13:33:54
2	Al 396.146†	17019.5	17243.4	1237.72 ug/L	1237.72 ug/L	13:33:54
2	As 188.979†	452.1	459.0	1302.64 ug/L	1302.64 ug/L	13:34:14
2	B 249.769†	12031.4	12049.1	295.955 ug/L	295.955 ug/L	13:33:54
2	Ba 455.403†	192543.0	199670.4	372.880 ug/L	372.880 ug/L	13:33:48
2	Be 234.863†	7308.3	7427.2	25.0354 ug/L	25.0354 ug/L	13:33:54
2	Ca 315.874†	952882.6	989886.6	57.3493 mg/L	57.3493 mg/L	13:33:48
2	Cd 214.436†	4300.6	4509.3	253.725 ug/L	253.725 ug/L	13:34:14
2	Ce 413.764†	172.2	81.1	9.89552 ug/L	9.89552 ug/L	13:33:54
2	Co 228.616†	1762.2	1863.3	251.988 ug/L	251.988 ug/L	13:34:14
2	Cr 205.563†	1496.8	1509.6	252.960 ug/L	252.960 ug/L	13:34:14
2	Cu 324.741†	3349.3	3631.6	248.782 ug/L	248.782 ug/L	13:33:54
2	Fe 238.204†	4032.4	4068.8	271.016 ug/L	271.016 ug/L	13:34:14
2	K 766.490†	90601.2	91627.5	15.5133 mg/L	15.5133 mg/L	13:33:48
2	Li 670.784†	67068.9	67632.0	277.300 ug/L	277.300 ug/L	13:33:48
2	Mg 279.071†	61389.9	63661.7	18.7359 mg/L	18.7359 mg/L	13:33:54
2	Mn 257.610†	39360.8	40788.7	249.646 ug/L	249.646 ug/L	13:33:54
2	Mo 202.031†	878.4	909.0	271.296 ug/L	271.296 ug/L	13:34:14
2	Na 589.592†	440561.4	456873.0	36.7037 mg/L	36.7037 mg/L	13:33:48
2	Ni 231.604†	2365.4	2466.9	265.673 ug/L	265.673 ug/L	13:34:14
2	Pb 220.353†	293.5	381.5	257.816 ug/L	257.816 ug/L	13:34:14
2	Sb 217.584†	585.1	602.6	1273.91 ug/L	1273.91 ug/L	13:34:14
2	Se 196.026†	470.2	494.7	1280.69 ug/L	1280.69 ug/L	13:34:14
2	Si 251.611†	91684.6	94730.1	13814.5 ug/L	13814.5 ug/L	13:33:54
2	Sn 189.927†	541.7	564.0	1312.24 ug/L	1312.24 ug/L	13:34:14
2	Sr 407.771†	1253761.1	1300599.5	546.965 ug/L	546.965 ug/L	13:33:48
2	Ti 334.946†	51165.8	51852.6	245.208 ug/L	245.208 ug/L	13:33:54
2	Tl 190.801†	199.9	210.7	1251.92 ug/L	1251.92 ug/L	13:34:14
2	V 292.395†	10294.0	10809.8	259.129 ug/L	259.129 ug/L	13:33:54
2	Zn 206.200†	1965.8	1972.6	295.185 ug/L	295.185 ug/L	13:34:14

Mean Data: 1205293-PS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	524454.4	96.94	%	0.956				0.99%
Y 371.029	665808.0	96.86	%	0.998				1.03%
Ag 328.068†	10159.6	243.781	ug/L	0.7620	243.781	ug/L	0.7620	0.31%
Al 396.146†	17281.4	1240.77	ug/L	4.310	1240.77	ug/L	4.310	0.35%
As 188.979†	457.7	1299.30	ug/L	4.734	1299.30	ug/L	4.734	0.36%
B 249.769†	12083.0	296.796	ug/L	1.1901	296.796	ug/L	1.1901	0.40%
Ba 455.403†	196936.9	367.783	ug/L	7.2082	367.783	ug/L	7.2082	1.96%
Be 234.863†	7441.0	25.0819	ug/L	0.06576	25.0819	ug/L	0.06576	0.26%
Ca 315.874†	976641.5	56.5814	mg/L	1.08606	56.5814	mg/L	1.08606	1.92%
Cd 214.436†	4461.5	251.070	ug/L	3.7549	251.070	ug/L	3.7549	1.50%
Ce 413.764†	68.7	8.20068	ug/L	2.396874	8.20068	ug/L	2.396874	29.23%
Co 228.616†	1854.4	250.778	ug/L	1.7104	250.778	ug/L	1.7104	0.68%

Cr 205.563†	1495.2	250.564 ug/L	3.3888	250.564 ug/L	3.3888	1.35%
Cu 324.741†	3652.9	250.187 ug/L	1.9871	250.187 ug/L	1.9871	0.79%
Fe 238.204†	4026.2	268.215 ug/L	3.9609	268.215 ug/L	3.9609	1.48%
K 766.490†	90492.2	15.3212 mg/L	0.27172	15.3212 mg/L	0.27172	1.77%
Li 670.784†	66744.7	273.668 ug/L	5.1361	273.668 ug/L	5.1361	1.88%
Mg 279.071†	63773.8	18.7689 mg/L	0.04667	18.7689 mg/L	0.04667	0.25%
Mn 257.610†	40884.1	250.224 ug/L	0.8179	250.224 ug/L	0.8179	0.33%
Mo 202.031†	894.6	266.977 ug/L	6.1086	266.977 ug/L	6.1086	2.29%
Na 589.592†	451268.9	36.2533 mg/L	0.63696	36.2533 mg/L	0.63696	1.76%
Ni 231.604†	2455.8	264.483 ug/L	1.6832	264.483 ug/L	1.6832	0.64%
Pb 220.353†	380.9	257.349 ug/L	0.6611	257.349 ug/L	0.6611	0.26%
Sb 217.584†	602.4	1273.38 ug/L	0.747	1273.38 ug/L	0.747	0.06%
Se 196.026†	502.5	1301.49 ug/L	29.404	1301.49 ug/L	29.404	2.26%
Si 251.611†	95082.6	13865.9 ug/L	72.78	13865.9 ug/L	72.78	0.52%
Sn 189.927†	557.3	1296.91 ug/L	21.685	1296.91 ug/L	21.685	1.67%
Sr 407.771†	1283481.6	539.721 ug/L	10.2447	539.721 ug/L	10.2447	1.90%
Ti 334.946†	51964.7	245.730 ug/L	0.7386	245.730 ug/L	0.7386	0.30%
Tl 190.801†	212.5	1263.04 ug/L	15.728	1263.04 ug/L	15.728	1.25%
V 292.395†	10782.3	258.444 ug/L	0.9677	258.444 ug/L	0.9677	0.37%
Zn 206.200†	1952.1	292.118 ug/L	4.3373	292.118 ug/L	4.3373	1.48%

Sequence No.: 33
Sample ID: 1204454-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 32
Date Collected: 5/7/2012 1:35:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204454-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	539830.4	539830.4	99.79	%			13:36:40
1	Y 371.029	687829.6	687829.6	100.1	%			13:36:40
1	Ag 328.068†	-506.3	-90.6	-0.881532	ug/L	-0.881532	ug/L	13:36:46
1	Al 396.146†	824.3	390.4	-9.75627	ug/L	-9.75627	ug/L	13:36:46
1	As 188.979†	30.0	19.4	29.9162	ug/L	29.9162	ug/L	13:37:06
1	B 249.769†	2388.4	1945.0	46.4482	ug/L	46.4482	ug/L	13:37:06
1	Ba 455.403†	75523.6	75350.4	141.077	ug/L	141.077	ug/L	13:36:40
1	Be 234.863†	137.1	-26.9	0.0219928	ug/L	0.0219928	ug/L	13:37:06
1	Ca 315.874†	777502.5	779237.3	45.1357	mg/L	45.1357	mg/L	13:36:40
1	Cd 214.436†	-59.3	-17.4	2.21601	ug/L	2.21601	ug/L	13:37:06
1	Ce 413.764†	103.5	5.9	-0.335320	ug/L	-0.335320	ug/L	13:36:46
1	Co 228.616†	-26.9	5.9	2.03029	ug/L	2.03029	ug/L	13:37:06
1	Cr 205.563†	31.3	-13.8	-0.0052203	ug/L	-0.0052203	ug/L	13:37:06
1	Cu 324.741†	-102.5	49.8	7.44127	ug/L	7.44127	ug/L	13:36:46
1	Fe 238.204†	266.8	147.6	13.1467	ug/L	13.1467	ug/L	13:37:06
1	K 766.490†	17087.5	14639.1	2.48339	mg/L	2.48339	mg/L	13:36:46
1	Li 670.784†	5876.7	3853.2	16.2499	ug/L	16.2499	ug/L	13:36:46
1	Mg 279.071†	21861.0	21800.4	6.40746	mg/L	6.40746	mg/L	13:36:46
1	Mn 257.610†	349.5	252.8	3.23853	ug/L	3.23853	ug/L	13:37:06
1	Mo 202.031†	49.3	46.0	15.3545	ug/L	15.3545	ug/L	13:37:06
1	Na 589.592†	291839.1	291699.9	23.4288	mg/L	23.4288	mg/L	13:36:40
1	Ni 231.604†	146.1	156.3	19.9531	ug/L	19.9531	ug/L	13:37:06
1	Pb 220.353†	-74.7	1.8	-3.26918	ug/L	-3.26918	ug/L	13:37:06
1	Sb 217.584†	22.8	17.7	41.2954	ug/L	41.2954	ug/L	13:37:06
1	Se 196.026†	-13.5	-7.3	-36.8395	ug/L	-36.8395	ug/L	13:37:06
1	Si 251.611†	86818.5	86496.1	12629.5	ug/L	12629.5	ug/L	13:36:46
1	Sn 189.927†	-11.4	-10.1	6.63009	ug/L	6.63009	ug/L	13:37:06
1	Sr 407.771†	721530.0	721319.8	300.488	ug/L	300.488	ug/L	13:36:40
1	Ti 334.946†	-331.2	-1628.0	-3.85833	ug/L	-3.85833	ug/L	13:36:46
1	Tl 190.801†	-2.0	1.0	-1.56563	ug/L	-1.56563	ug/L	13:37:06
1	V 292.395†	26.6	143.5	5.95475	ug/L	5.95475	ug/L	13:36:46
1	Zn 206.200†	318.3	249.5	36.9501	ug/L	36.9501	ug/L	13:37:06
2	Sc 357.234	540130.8	540130.8	99.84	%			13:37:13
2	Y 371.029	688684.0	688684.0	100.2	%			13:37:13
2	Ag 328.068†	-346.9	69.3	2.94097	ug/L	2.94097	ug/L	13:37:18
2	Al 396.146†	760.5	326.1	-14.2079	ug/L	-14.2079	ug/L	13:37:18
2	As 188.979†	23.3	12.7	10.2781	ug/L	10.2781	ug/L	13:37:38
2	B 249.769†	2360.7	1915.9	45.7271	ug/L	45.7271	ug/L	13:37:38
2	Ba 455.403†	75616.3	75401.1	141.172	ug/L	141.172	ug/L	13:37:13
2	Be 234.863†	167.5	3.5	0.123982	ug/L	0.123982	ug/L	13:37:38

2	Ca 315.874†	778503.4	779806.3	45.1687 mg/L	45.1687 mg/L	13:37:13
2	Cd 214.436†	-51.9	-9.9	2.63566 ug/L	2.63566 ug/L	13:37:38
2	Ce 413.764†	116.8	19.2	1.50567 ug/L	1.50567 ug/L	13:37:18
2	Co 228.616†	-35.6	-2.8	0.858891 ug/L	0.858891 ug/L	13:37:38
2	Cr 205.563†	28.3	-16.8	-0.509579 ug/L	-0.509579 ug/L	13:37:38
2	Cu 324.741†	-136.4	15.9	5.16831 ug/L	5.16831 ug/L	13:37:18
2	Fe 238.204†	270.0	150.6	13.3420 ug/L	13.3420 ug/L	13:37:38
2	K 766.490†	17060.0	14602.1	2.47711 mg/L	2.47711 mg/L	13:37:18
2	Li 670.784†	5883.3	3856.5	16.2633 ug/L	16.2633 ug/L	13:37:18
2	Mg 279.071†	21865.0	21792.2	6.40504 mg/L	6.40504 mg/L	13:37:18
2	Mn 257.610†	361.4	264.5	3.30979 ug/L	3.30979 ug/L	13:37:38
2	Mo 202.031†	34.9	31.5	11.0275 ug/L	11.0275 ug/L	13:37:38
2	Na 589.592†	292123.2	291821.7	23.4386 mg/L	23.4386 mg/L	13:37:13
2	Ni 231.604†	167.1	177.2	22.1762 ug/L	22.1762 ug/L	13:37:38
2	Pb 220.353†	-69.6	6.9	0.251194 ug/L	0.251194 ug/L	13:37:38
2	Sb 217.584†	13.4	8.3	21.4514 ug/L	21.4514 ug/L	13:37:38
2	Se 196.026†	9.9	16.2	24.8877 ug/L	24.8877 ug/L	13:37:38
2	Si 251.611†	86936.7	86566.0	12639.7 ug/L	12639.7 ug/L	13:37:18
2	Sn 189.927†	-15.7	-14.4	-3.05130 ug/L	-3.05130 ug/L	13:37:38
2	Sr 407.771†	722995.3	722385.0	300.942 ug/L	300.942 ug/L	13:37:13
2	Ti 334.946†	-365.8	-1662.5	-4.01887 ug/L	-4.01887 ug/L	13:37:18
2	Tl 190.801†	-2.1	0.8	-2.48258 ug/L	-2.48258 ug/L	13:37:38
2	V 292.395†	175.9	293.1	9.43977 ug/L	9.43977 ug/L	13:37:18
2	Zn 206.200†	299.6	230.7	34.1091 ug/L	34.1091 ug/L	13:37:38

Mean Data: 1204454-02

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	539980.6	99.81	%	0.039				0.04%
Y 371.029	688256.8	100.1	%	0.09				0.09%
Ag 328.068†	-10.7	1.02972	ug/L	2.702917	1.02972	ug/L	2.702917	262.49%
Al 396.146†	358.3	-11.9821	ug/L	3.14778	-11.9821	ug/L	3.14778	26.27%
As 188.979†	16.1	20.0971	ug/L	13.88624	20.0971	ug/L	13.88624	69.10%
B 249.769†	1930.4	46.0877	ug/L	0.50985	46.0877	ug/L	0.50985	1.11%
Ba 455.403†	75375.8	141.125	ug/L	0.0672	141.125	ug/L	0.0672	0.05%
Be 234.863†	-11.7	0.0729877	ug/L	0.07211756	0.0729877	ug/L	0.07211756	98.81%
Ca 315.874†	779521.8	45.1522	mg/L	0.02333	45.1522	mg/L	0.02333	0.05%
Cd 214.436†	-13.7	2.42584	ug/L	0.296740	2.42584	ug/L	0.296740	12.23%
Ce 413.764†	12.5	0.585174	ug/L	1.3017750	0.585174	ug/L	1.3017750	222.46%
Co 228.616†	1.5	1.44459	ug/L	0.828307	1.44459	ug/L	0.828307	57.34%
Cr 205.563†	-15.3	-0.257400	ug/L	0.3566357	-0.257400	ug/L	0.3566357	138.55%
Cu 324.741†	32.8	6.30479	ug/L	1.607230	6.30479	ug/L	1.607230	25.49%
Fe 238.204†	149.1	13.2444	ug/L	0.13807	13.2444	ug/L	0.13807	1.04%
K 766.490†	14620.6	2.48025	mg/L	0.004436	2.48025	mg/L	0.004436	0.18%
Li 670.784†	3854.9	16.2566	ug/L	0.00949	16.2566	ug/L	0.00949	0.06%
Mg 279.071†	21796.3	6.40625	mg/L	0.001711	6.40625	mg/L	0.001711	0.03%
Mn 257.610†	258.6	3.27416	ug/L	0.050389	3.27416	ug/L	0.050389	1.54%
Mo 202.031†	38.8	13.1910	ug/L	3.05969	13.1910	ug/L	3.05969	23.20%
Na 589.592†	291760.8	23.4337	mg/L	0.00692	23.4337	mg/L	0.00692	0.03%
Ni 231.604†	166.8	21.0646	ug/L	1.57195	21.0646	ug/L	1.57195	7.46%
Pb 220.353†	4.4	-1.50899	ug/L	2.489283	-1.50899	ug/L	2.489283	164.96%
Sb 217.584†	13.0	31.3734	ug/L	14.03179	31.3734	ug/L	14.03179	44.73%
Se 196.026†	4.5	-5.97587	ug/L	43.647725	-5.97587	ug/L	43.647725	730.40%
Si 251.611†	86531.0	12634.6	ug/L	7.25	12634.6	ug/L	7.25	0.06%
Sn 189.927†	-12.3	1.78940	ug/L	6.845781	1.78940	ug/L	6.845781	382.58%
Sr 407.771†	721852.4	300.715	ug/L	0.3207	300.715	ug/L	0.3207	0.11%
Ti 334.946†	-1645.2	-3.93860	ug/L	0.113520	-3.93860	ug/L	0.113520	2.88%
Tl 190.801†	0.9	-2.02410	ug/L	0.648381	-2.02410	ug/L	0.648381	32.03%
V 292.395†	218.3	7.69726	ug/L	2.464283	7.69726	ug/L	2.464283	32.02%
Zn 206.200†	240.1	35.5296	ug/L	2.00889	35.5296	ug/L	2.00889	5.65%

Sequence No.: 34
Sample ID: 2E07042-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/7/2012 1:38:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-CCV

	Net	Corrected	Calib.	Sample	Analysis

Repl#	Analyte	Intensity	Intensity	Conc.	Units	Conc.	Units	Time
1	Sc 357.234	515053.2	515053.2	95.21	%			13:40:02
1	Y 371.029	653913.4	653913.4	95.13	%			13:40:02
1	Ag 328.068†	19322.1	20711.5	495.570	ug/L	495.570	ug/L	13:40:07
1	Al 396.146†	32442.2	33639.8	2476.44	ug/L	2476.44	ug/L	13:40:07
1	As 188.979†	816.1	846.6	2479.95	ug/L	2479.95	ug/L	13:40:27
1	B 249.769†	19569.0	20105.6	494.878	ug/L	494.878	ug/L	13:40:07
1	Ba 455.403†	257068.3	269675.2	503.407	ug/L	503.407	ug/L	13:40:02
1	Be 234.863†	14126.1	14673.0	49.3528	ug/L	49.3528	ug/L	13:40:07
1	Ca 315.874†	81919.7	86120.1	4.94820	mg/L	4.94820	mg/L	13:40:07
1	Cd 214.436†	8315.3	8776.0	490.786	ug/L	490.786	ug/L	13:40:07
1	Ce 413.764†	95.0	1.9	0.351834	ug/L	0.351834	ug/L	13:40:07
1	Co 228.616†	3502.2	3711.4	500.640	ug/L	500.640	ug/L	13:40:27
1	Cr 205.563†	2901.1	3001.9	500.797	ug/L	500.797	ug/L	13:40:27
1	Cu 324.741†	6819.4	7315.2	494.940	ug/L	494.940	ug/L	13:40:07
1	Fe 238.204†	7153.2	7393.5	489.658	ug/L	489.658	ug/L	13:40:07
1	K 766.490†	30507.9	29558.9	5.00849	mg/L	5.00849	mg/L	13:40:02
1	Li 670.784†	119223.4	123189.2	504.700	ug/L	504.700	ug/L	13:40:02
1	Mg 279.071†	16059.2	16760.3	4.92312	mg/L	4.92312	mg/L	13:40:07
1	Mn 257.610†	77359.5	81156.5	495.020	ug/L	495.020	ug/L	13:40:07
1	Mo 202.031†	1591.8	1668.5	502.583	ug/L	502.583	ug/L	13:40:27
1	Na 589.592†	59969.0	62226.2	4.98605	mg/L	4.98605	mg/L	13:40:02
1	Ni 231.604†	4378.7	4609.0	493.412	ug/L	493.412	ug/L	13:40:07
1	Pb 220.353†	606.9	714.1	486.483	ug/L	486.483	ug/L	13:40:27
1	Sb 217.584†	1136.7	1188.7	2508.19	ug/L	2508.19	ug/L	13:40:27
1	Se 196.026†	902.3	954.0	2509.36	ug/L	2509.36	ug/L	13:40:27
1	Si 251.611†	17349.0	17714.8	2554.52	ug/L	2554.52	ug/L	13:40:07
1	Sn 189.927†	1047.2	1101.2	2514.45	ug/L	2514.45	ug/L	13:40:27
1	Sr 407.771†	1123331.4	1178132.4	499.797	ug/L	499.797	ug/L	13:40:02
1	Ti 334.946†	101926.2	105761.2	496.267	ug/L	496.267	ug/L	13:40:07
1	Tl 190.801†	400.6	423.8	2525.67	ug/L	2525.67	ug/L	13:40:27
1	V 292.395†	19724.5	20834.3	496.929	ug/L	496.929	ug/L	13:40:07
1	Zn 206.200†	3241.7	3335.5	501.868	ug/L	501.868	ug/L	13:40:27
2	Sc 357.234	522904.4	522904.4	96.66	%			13:40:35
2	Y 371.029	664916.3	664916.3	96.73	%			13:40:35
2	Ag 328.068†	19743.8	20843.1	498.720	ug/L	498.720	ug/L	13:40:40
2	Al 396.146†	32999.4	33704.6	2482.03	ug/L	2482.03	ug/L	13:40:40
2	As 188.979†	811.1	828.6	2426.98	ug/L	2426.98	ug/L	13:41:00
2	B 249.769†	20090.2	20336.2	500.579	ug/L	500.579	ug/L	13:40:40
2	Ba 455.403†	253312.6	261735.6	488.604	ug/L	488.604	ug/L	13:40:35
2	Be 234.863†	14339.6	14671.1	49.3464	ug/L	49.3464	ug/L	13:40:40
2	Ca 315.874†	83557.4	86522.4	4.97153	mg/L	4.97153	mg/L	13:40:40
2	Cd 214.436†	8425.2	8758.4	489.812	ug/L	489.812	ug/L	13:40:40
2	Ce 413.764†	129.4	36.0	5.08852	ug/L	5.08852	ug/L	13:40:40
2	Co 228.616†	3544.8	3700.2	499.130	ug/L	499.130	ug/L	13:41:00
2	Cr 205.563†	2929.7	2985.8	498.122	ug/L	498.122	ug/L	13:41:00
2	Cu 324.741†	7016.2	7411.3	501.398	ug/L	501.398	ug/L	13:40:40
2	Fe 238.204†	7296.3	7428.7	491.978	ug/L	491.978	ug/L	13:40:40
2	K 766.490†	30040.3	28594.0	4.84518	mg/L	4.84518	mg/L	13:40:35
2	Li 670.784†	117410.4	119433.4	489.326	ug/L	489.326	ug/L	13:40:35
2	Mg 279.071†	16392.6	16852.0	4.95012	mg/L	4.95012	mg/L	13:40:40
2	Mn 257.610†	78869.3	81498.4	497.096	ug/L	497.096	ug/L	13:40:40
2	Mo 202.031†	1599.6	1651.4	497.449	ug/L	497.449	ug/L	13:41:00
2	Na 589.592†	59270.2	60557.5	4.85194	mg/L	4.85194	mg/L	13:40:35
2	Ni 231.604†	4425.1	4588.0	491.163	ug/L	491.163	ug/L	13:40:40
2	Pb 220.353†	625.6	723.9	493.183	ug/L	493.183	ug/L	13:41:00
2	Sb 217.584†	1141.0	1175.3	2479.84	ug/L	2479.84	ug/L	13:41:00
2	Se 196.026†	902.8	940.3	2473.15	ug/L	2473.15	ug/L	13:41:00
2	Si 251.611†	17532.1	17630.5	2542.12	ug/L	2542.12	ug/L	13:40:40
2	Sn 189.927†	1053.4	1091.1	2491.54	ug/L	2491.54	ug/L	13:41:00
2	Sr 407.771†	1108325.3	1144892.0	485.586	ug/L	485.586	ug/L	13:40:35
2	Ti 334.946†	103975.7	106274.2	498.656	ug/L	498.656	ug/L	13:40:40
2	Tl 190.801†	406.5	423.6	2524.42	ug/L	2524.42	ug/L	13:41:00
2	V 292.395†	19963.8	20770.8	495.389	ug/L	495.389	ug/L	13:40:40
2	Zn 206.200†	3248.0	3290.9	495.161	ug/L	495.161	ug/L	13:41:00

Mean Data: 2E07042-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	518978.8	95.93	%	1.026				1.07%
Y 371.029	659414.8	95.93	%	1.132				1.18%

Ag 328.068†	20777.3	497.145 ug/L	2.2278	497.145 ug/L	2.2278	0.45%
QC value within limits for Ag 328.068 Recovery = 99.43%						
Al 396.146†	33672.2	2479.23 ug/L	3.956	2479.23 ug/L	3.956	0.16%
QC value within limits for Al 396.146 Recovery = 99.17%						
As 188.979†	837.6	2453.47 ug/L	37.454	2453.47 ug/L	37.454	1.53%
QC value within limits for As 188.979 Recovery = 98.14%						
B 249.769†	20220.9	497.729 ug/L	4.0309	497.729 ug/L	4.0309	0.81%
QC value within limits for B 249.769 Recovery = 99.55%						
Ba 455.403†	265705.4	496.005 ug/L	10.4669	496.005 ug/L	10.4669	2.11%
QC value within limits for Ba 455.403 Recovery = 99.20%						
Be 234.863†	14672.1	49.3496 ug/L	0.00452	49.3496 ug/L	0.00452	0.01%
QC value within limits for Be 234.863 Recovery = 98.70%						
Ca 315.874†	86321.2	4.95986 mg/L	0.016496	4.95986 mg/L	0.016496	0.33%
QC value within limits for Ca 315.874 Recovery = 99.20%						
Cd 214.436†	8767.2	490.299 ug/L	0.6890	490.299 ug/L	0.6890	0.14%
QC value within limits for Cd 214.436 Recovery = 98.06%						
Ce 413.764†	19.0	2.72018 ug/L	3.349340	2.72018 ug/L	3.349340	123.13%
Co 228.616†	3705.8	499.885 ug/L	1.0683	499.885 ug/L	1.0683	0.21%
QC value within limits for Co 228.616 Recovery = 99.98%						
Cr 205.563†	2993.9	499.460 ug/L	1.8914	499.460 ug/L	1.8914	0.38%
QC value within limits for Cr 205.563 Recovery = 99.89%						
Cu 324.741†	7363.2	498.169 ug/L	4.5660	498.169 ug/L	4.5660	0.92%
QC value within limits for Cu 324.741 Recovery = 99.63%						
Fe 238.204†	7411.1	490.818 ug/L	1.6411	490.818 ug/L	1.6411	0.33%
QC value within limits for Fe 238.204 Recovery = 98.16%						
K 766.490†	29076.4	4.92683 mg/L	0.115476	4.92683 mg/L	0.115476	2.34%
QC value within limits for K 766.490 Recovery = 98.54%						
Li 670.784†	121311.3	497.013 ug/L	10.8706	497.013 ug/L	10.8706	2.19%
QC value within limits for Li 670.784 Recovery = 99.40%						
Mg 279.071†	16806.2	4.93662 mg/L	0.019091	4.93662 mg/L	0.019091	0.39%
QC value within limits for Mg 279.071 Recovery = 98.73%						
Mn 257.610†	81327.4	496.058 ug/L	1.4680	496.058 ug/L	1.4680	0.30%
QC value within limits for Mn 257.610 Recovery = 99.21%						
Mo 202.031†	1660.0	500.016 ug/L	3.6299	500.016 ug/L	3.6299	0.73%
QC value within limits for Mo 202.031 Recovery = 100.00%						
Na 589.592†	61391.8	4.91899 mg/L	0.094833	4.91899 mg/L	0.094833	1.93%
QC value within limits for Na 589.592 Recovery = 98.38%						
Ni 231.604†	4598.5	492.287 ug/L	1.5900	492.287 ug/L	1.5900	0.32%
QC value within limits for Ni 231.604 Recovery = 98.46%						
Pb 220.353†	719.0	489.833 ug/L	4.7375	489.833 ug/L	4.7375	0.97%
QC value within limits for Pb 220.353 Recovery = 97.97%						
Sb 217.584†	1182.0	2494.02 ug/L	20.051	2494.02 ug/L	20.051	0.80%
QC value within limits for Sb 217.584 Recovery = 99.76%						
Se 196.026†	947.2	2491.26 ug/L	25.601	2491.26 ug/L	25.601	1.03%
QC value within limits for Se 196.026 Recovery = 99.65%						
Si 251.611†	17672.7	2548.32 ug/L	8.768	2548.32 ug/L	8.768	0.34%
QC value within limits for Si 251.611 Recovery = 101.93%						
Sn 189.927†	1096.1	2502.99 ug/L	16.199	2502.99 ug/L	16.199	0.65%
QC value within limits for Sn 189.927 Recovery = 100.12%						
Sr 407.771†	1161512.2	492.692 ug/L	10.0490	492.692 ug/L	10.0490	2.04%
QC value within limits for Sr 407.771 Recovery = 98.54%						
Ti 334.946†	106017.7	497.462 ug/L	1.6893	497.462 ug/L	1.6893	0.34%
QC value within limits for Ti 334.946 Recovery = 99.49%						
Tl 190.801†	423.7	2525.05 ug/L	0.887	2525.05 ug/L	0.887	0.04%
QC value within limits for Tl 190.801 Recovery = 101.00%						
V 292.395†	20802.6	496.159 ug/L	1.0892	496.159 ug/L	1.0892	0.22%
QC value within limits for V 292.395 Recovery = 99.23%						
Zn 206.200†	3313.2	498.515 ug/L	4.7429	498.515 ug/L	4.7429	0.95%
QC value within limits for Zn 206.200 Recovery = 99.70%						

All analyte(s) passed QC.

5/7/2012 1:43:51 PM Hg ReAlign... Actual peak offset (nm): -0.007
Drift (nm): 0.000 Slit adjustment: 0

Sequence No.: 36
Sample ID: 2E07042-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/7/2012 1:43:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	526829.0	526829.0	97.38	%			13:45:03
1	Y 371.029	667871.1	667871.1	97.16	%			13:45:03
1	Ag 328.068†	-419.7	-14.2	0.890277	ug/L	0.890277	ug/L	13:45:03
1	Al 396.146†	547.6	126.8	-11.9393	ug/L	-11.9393	ug/L	13:45:03
1	As 188.979†	-2.0	-12.7	-32.6113	ug/L	-32.6113	ug/L	13:45:24
1	B 249.769†	565.1	131.7	1.61118	ug/L	1.61118	ug/L	13:45:24
1	Ba 455.403†	306.9	-19.2	0.547139	ug/L	0.547139	ug/L	13:45:03
1	Be 234.863†	133.9	-26.8	0.0231956	ug/L	0.0231956	ug/L	13:45:24
1	Ca 315.874†	-79.2	-5.0	-0.0454029	mg/L	-0.0454029	mg/L	13:45:03
1	Cd 214.436†	-51.4	-10.7	2.59004	ug/L	2.59004	ug/L	13:45:24
1	Ce 413.764†	0.1	-97.7	-13.5619	ug/L	-13.5619	ug/L	13:45:03
1	Co 228.616†	-27.8	4.3	1.79584	ug/L	1.79584	ug/L	13:45:24
1	Cr 205.563†	39.7	-4.4	1.56835	ug/L	1.56835	ug/L	13:45:24
1	Cu 324.741†	-139.7	9.1	3.31230	ug/L	3.31230	ug/L	13:45:03
1	Fe 238.204†	188.2	73.4	8.26819	ug/L	8.26819	ug/L	13:45:24
1	K 766.490†	2451.5	32.5	0.0112893	mg/L	0.0112893	mg/L	13:45:03
1	Li 670.784†	2318.2	344.5	1.88984	ug/L	1.88984	ug/L	13:45:03
1	Mg 279.071†	136.7	33.1	-0.0031567	mg/L	-0.0031567	mg/L	13:45:03
1	Mn 257.610†	90.1	-4.9	1.66910	ug/L	1.66910	ug/L	13:45:24
1	Mo 202.031†	11.3	8.2	5.59560	ug/L	5.59560	ug/L	13:45:24
1	Na 589.592†	673.2	-70.4	-0.0207072	mg/L	-0.0207072	mg/L	13:45:03
1	Ni 231.604†	-22.8	-13.5	1.87536	ug/L	1.87536	ug/L	13:45:24
1	Pb 220.353†	-63.6	11.3	3.25602	ug/L	3.25602	ug/L	13:45:24
1	Sb 217.584†	16.1	11.4	27.7467	ug/L	27.7467	ug/L	13:45:24
1	Se 196.026†	-4.0	2.2	4.44300	ug/L	4.44300	ug/L	13:45:24
1	Si 251.611†	653.0	162.9	25.8467	ug/L	25.8467	ug/L	13:45:24
1	Sn 189.927†	1.2	2.5	21.4954	ug/L	21.4954	ug/L	13:45:24
1	Sr 407.771†	1663.2	-41.5	-3.46752	ug/L	-3.46752	ug/L	13:45:03
1	Ti 334.946†	1286.8	25.3	3.84127	ug/L	3.84127	ug/L	13:45:03
1	Tl 190.801†	-2.1	0.8	-2.78999	ug/L	-2.78999	ug/L	13:45:24
1	V 292.395†	-180.8	-68.8	0.854841	ug/L	0.854841	ug/L	13:45:03
1	Zn 206.200†	65.0	-2.6	0.315224	ug/L	0.315224	ug/L	13:45:24
2	Sc 357.234	527697.3	527697.3	97.54	%			13:45:31
2	Y 371.029	669454.8	669454.8	97.40	%			13:45:31
2	Ag 328.068†	-369.9	37.6	2.17040	ug/L	2.17040	ug/L	13:45:31
2	Al 396.146†	367.6	-58.8	-23.9929	ug/L	-23.9929	ug/L	13:45:31
2	As 188.979†	11.6	1.3	8.39554	ug/L	8.39554	ug/L	13:45:51
2	B 249.769†	555.6	121.1	1.34681	ug/L	1.34681	ug/L	13:45:51
2	Ba 455.403†	265.0	-62.6	0.469013	ug/L	0.469013	ug/L	13:45:31
2	Be 234.863†	132.1	-28.9	0.0160829	ug/L	0.0160829	ug/L	13:45:51
2	Ca 315.874†	-103.2	-29.5	-0.0468204	mg/L	-0.0468204	mg/L	13:45:31
2	Cd 214.436†	-59.8	-19.2	2.11952	ug/L	2.11952	ug/L	13:45:51
2	Ce 413.764†	94.5	-0.9	-0.124941	ug/L	-0.124941	ug/L	13:45:31
2	Co 228.616†	-37.1	-5.2	0.512870	ug/L	0.512870	ug/L	13:45:51
2	Cr 205.563†	36.7	-7.5	1.05717	ug/L	1.05717	ug/L	13:45:51
2	Cu 324.741†	-168.1	-19.8	1.37144	ug/L	1.37144	ug/L	13:45:31
2	Fe 238.204†	204.2	89.5	9.32618	ug/L	9.32618	ug/L	13:45:51
2	K 766.490†	2436.7	13.3	0.0080260	mg/L	0.0080260	mg/L	13:45:31
2	Li 670.784†	2341.5	364.5	1.97027	ug/L	1.97027	ug/L	13:45:31
2	Mg 279.071†	131.5	27.5	-0.0048053	mg/L	-0.0048053	mg/L	13:45:31
2	Mn 257.610†	72.1	-23.5	1.55644	ug/L	1.55644	ug/L	13:45:51
2	Mo 202.031†	9.5	6.3	5.01303	ug/L	5.01303	ug/L	13:45:51
2	Na 589.592†	643.1	-102.4	-0.0232788	mg/L	-0.0232788	mg/L	13:45:31
2	Ni 231.604†	-9.8	-0.2	3.28838	ug/L	3.28838	ug/L	13:45:51
2	Pb 220.353†	-78.0	-3.3	-6.80044	ug/L	-6.80044	ug/L	13:45:51
2	Sb 217.584†	2.5	-2.6	-1.66393	ug/L	-1.66393	ug/L	13:45:51
2	Se 196.026†	-14.1	-8.1	-22.6874	ug/L	-22.6874	ug/L	13:45:51
2	Si 251.611†	656.1	165.0	26.1296	ug/L	26.1296	ug/L	13:45:51
2	Sn 189.927†	-0.9	0.3	16.5784	ug/L	16.5784	ug/L	13:45:51
2	Sr 407.771†	1620.6	-88.0	-3.47753	ug/L	-3.47753	ug/L	13:45:31
2	Ti 334.946†	1380.8	119.5	4.27987	ug/L	4.27987	ug/L	13:45:31
2	Tl 190.801†	-3.3	-0.4	-10.0567	ug/L	-10.0567	ug/L	13:45:51
2	V 292.395†	-104.7	9.5	2.69265	ug/L	2.69265	ug/L	13:45:31
2	Zn 206.200†	58.6	-9.4	-0.697990	ug/L	-0.697990	ug/L	13:45:51

Mean Data: 2E07042-CCB

Mean Corrected	Calib.	Sample

Analyte	Intensity	Conc.	Units	Std.Dev.	Conc.	Units	Std.Dev.	RSD
Sc 357.234	527263.1	97.46	%	0.113				0.12%
Y 371.029	668663.0	97.28	%	0.163				0.17%
Ag 328.068†	11.7	1.53034	ug/L	0.905184	1.53034	ug/L	0.905184	59.15%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	34.0	-17.9661	ug/L	8.52320	-17.9661	ug/L	8.52320	47.44%
QC value within limits for Al 396.146 Recovery = Not calculated								
As 188.979†	-5.7	-12.1079	ug/L	28.99622	-12.1079	ug/L	28.99622	239.48%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	126.4	1.47899	ug/L	0.186936	1.47899	ug/L	0.186936	12.64%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	-40.9	0.508076	ug/L	0.0552435	0.508076	ug/L	0.0552435	10.87%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	-27.8	0.0196392	ug/L	0.00502944	0.0196392	ug/L	0.00502944	25.61%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	-17.2	-0.0461117	mg/L	0.00100232	-0.0461117	mg/L	0.00100232	2.17%
QC value within limits for Ca 315.874 Recovery = Not calculated								
Cd 214.436†	-15.0	2.35478	ug/L	0.332704	2.35478	ug/L	0.332704	14.13%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	-49.3	-6.84343	ug/L	9.501381	-6.84343	ug/L	9.501381	138.84%
Co 228.616†	-0.5	1.15436	ug/L	0.907198	1.15436	ug/L	0.907198	78.59%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	-6.0	1.31276	ug/L	0.361460	1.31276	ug/L	0.361460	27.53%
QC value within limits for Cr 205.563 Recovery = Not calculated								
Cu 324.741†	-5.4	2.34187	ug/L	1.372398	2.34187	ug/L	1.372398	58.60%
QC value within limits for Cu 324.741 Recovery = Not calculated								
Fe 238.204†	81.4	8.79718	ug/L	0.748115	8.79718	ug/L	0.748115	8.50%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	22.9	0.0096576	mg/L	0.00230752	0.0096576	mg/L	0.00230752	23.89%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	354.5	1.93005	ug/L	0.056879	1.93005	ug/L	0.056879	2.95%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	30.3	-0.0039810	mg/L	0.00116569	-0.0039810	mg/L	0.00116569	29.28%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	-14.2	1.61277	ug/L	0.079660	1.61277	ug/L	0.079660	4.94%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	7.2	5.30432	ug/L	0.411943	5.30432	ug/L	0.411943	7.77%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-86.4	-0.0219930	mg/L	0.00181844	-0.0219930	mg/L	0.00181844	8.27%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-6.9	2.58187	ug/L	0.999157	2.58187	ug/L	0.999157	38.70%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	4.0	-1.77221	ug/L	7.110987	-1.77221	ug/L	7.110987	401.25%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	4.4	13.0414	ug/L	20.79642	13.0414	ug/L	20.79642	159.47%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-3.0	-9.12219	ug/L	19.184077	-9.12219	ug/L	19.184077	210.30%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	164.0	25.9881	ug/L	0.19998	25.9881	ug/L	0.19998	0.77%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	1.4	19.0369	ug/L	3.47684	19.0369	ug/L	3.47684	18.26%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	-64.7	-3.47253	ug/L	0.007077	-3.47253	ug/L	0.007077	0.20%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.946†	72.4	4.06057	ug/L	0.310132	4.06057	ug/L	0.310132	7.64%
QC value within limits for Ti 334.946 Recovery = Not calculated								
Tl 190.801†	0.2	-6.42336	ug/L	5.138370	-6.42336	ug/L	5.138370	80.00%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	-29.7	1.77375	ug/L	1.299528	1.77375	ug/L	1.299528	73.26%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	-6.0	-0.191383	ug/L	0.7164501	-0.191383	ug/L	0.7164501	374.35%
QC value within limits for Zn 206.200 Recovery = Not calculated								

All analyte(s) passed QC.

Analytical Sequence
Method: AQU_6010C_116

Seq.	Loc.	ID	Status
1	-1	Hg_ReAlign	Analyzed
2	1	2E07042-CAL1	Applied
3	2	2E07042-CAL2	Applied
4	3	2E07042-CAL3	Applied

5	4	2E07042-CAL4	Applied
6	5	2E07042-CAL5	Applied
7	9	2E07042-SCV1	QC Failed
8	1	2E07042-CCB	QC Passed
9	10	2E07042-CRL1	QC Passed
10	11	2E07042-IFA1	QC Passed
11	12	2E07042-IFA2	QC Passed
12	13	2E07042-IFB1	QC Passed
13	14	2E07042-IFB2	QC Passed
14	4	2E07042-CCV	QC Passed
15	1	2E07042-CCB	QC Failed
16	17	1205292-BLK1	Analyzed
17	18	1205292-BS1	Analyzed
18	19	1204454-01	Analyzed
19	20	1205292-MS1	Analyzed
20	21	1205292-MSD1	Analyzed
21	22	2E07042-SRD1	Analyzed
22	23	1205292-PS1	Analyzed
23	24	1204454-02	Analyzed
24	25	1205293-BLK1	Analyzed
25	26	1205293-BS1	Analyzed
26	4	2E07042-CCV	QC Passed
27	1	2E07042-CCB	QC Passed
28	27	1204454-01	Analyzed
29	28	1205293-MS1	Analyzed
30	29	1205293-MSD1	Analyzed
31	30	2E07042-SRD2	Analyzed
32	31	1205293-PS1	Analyzed
33	32	1204454-02	Analyzed
34	4	2E07042-CCV	QC Passed
35	-1	Hg_ReAlign	Analyzed
36	1	2E07042-CCB	QC Passed

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Analysis Begun

Start Time: 5/7/2012 2:29:57 PM **Plasma On Time: 5/7/2012 6:34:12 AM**
Logged In Analyst: analystME **Technique: ICP Continuous**
Spectrometer Model: Optima 3300 RL, S/N 069N9060301Autosampler Model: AS-90

Sample Information File: C:\pe\Administrator\Sample Information\2E07042.sif
Batch ID:
Results Data Set: 2E07042
Results Library: C:\pe\Administrator\Results\Results.mdb

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5/7/2012 1:43:51 PM Hg ReAlign... Actual peak offset (nm): -0.007
Drift (nm): 0.000 Slit adjustment: 0

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User canceled analysis.

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Analysis Begun

Start Time: 5/7/2012 2:30:53 PM **Plasma On Time: 5/7/2012 6:34:12 AM**
Logged In Analyst: analystME **Technique: ICP Continuous**
Spectrometer Model: Optima 3300 RL, S/N 069N9060301Autosampler Model: AS-90

Sample Information File: C:\pe\Administrator\Sample Information\2E07042.sif
Batch ID:
Results Data Set: 2E07042
Results Library: C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 11 **Autosampler Location: 25**
Sample ID: 1205293-BLK1 **Date Collected: 5/7/2012 2:30:53 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1205293-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	535427.8	535427.8	98.97	%			14:32:07
1	Y 371.029	680245.3	680245.3	98.96	%			14:32:07
1	Ag 328.068†	-419.1	-6.7	1.08294	ug/L	1.08294	ug/L	14:32:12
1	Al 396.146†	401.4	-30.0	-23.2108	ug/L	-23.2108	ug/L	14:32:12
1	As 188.979†	12.2	1.8	9.68758	ug/L	9.68758	ug/L	14:32:32
1	B 249.769†	396.0	-48.4	-2.85315	ug/L	-2.85315	ug/L	14:32:12
1	Ba 455.403†	473.4	144.0	0.852329	ug/L	0.852329	ug/L	14:32:12
1	Be 234.863†	144.9	-17.8	0.0527015	ug/L	0.0527015	ug/L	14:32:32
1	Ca 315.874†	2972.5	3079.7	0.133452	mg/L	0.133452	mg/L	14:32:12
1	Cd 214.436†	-64.9	-23.5	1.87950	ug/L	1.87950	ug/L	14:32:32
1	Ce 413.764†	28.0	-69.5	-9.65682	ug/L	-9.65682	ug/L	14:32:12
1	Co 228.616†	-23.1	9.5	2.49760	ug/L	2.49760	ug/L	14:32:32
1	Cr 205.563†	39.4	-5.4	1.40940	ug/L	1.40940	ug/L	14:32:32
1	Cu 324.741†	-135.0	16.1	3.78950	ug/L	3.78950	ug/L	14:32:12
1	Fe 238.204†	288.1	171.3	14.7076	ug/L	14.7076	ug/L	14:32:32
1	K 766.490†	2388.7	-71.4	-0.0062953	mg/L	-0.0062953	mg/L	14:32:07
1	Li 670.784†	2287.0	274.7	1.60390	ug/L	1.60390	ug/L	14:32:07
1	Mg 279.071†	135.6	29.7	-0.0041682	mg/L	-0.0041682	mg/L	14:32:12
1	Mn 257.610†	219.7	124.5	2.45595	ug/L	2.45595	ug/L	14:32:12
1	Mo 202.031†	12.7	9.4	5.95122	ug/L	5.95122	ug/L	14:32:32
1	Na 589.592†	756.1	2.2	-0.0148679	mg/L	-0.0148679	mg/L	14:32:12
1	Ni 231.604†	-1.9	7.9	4.15409	ug/L	4.15409	ug/L	14:32:32
1	Pb 220.353†	-62.9	13.1	4.43379	ug/L	4.43379	ug/L	14:32:32
1	Sb 217.584†	10.3	5.3	14.8453	ug/L	14.8453	ug/L	14:32:32
1	Se 196.026†	-4.7	1.5	2.69292	ug/L	2.69292	ug/L	14:32:32
1	Si 251.611†	577.0	75.3	13.0641	ug/L	13.0641	ug/L	14:32:32
1	Sn 189.927†	-4.8	-3.6	7.74115	ug/L	7.74115	ug/L	14:32:32
1	Sr 407.771†	1525.0	-208.6	-3.55390	ug/L	-3.55390	ug/L	14:32:12
1	Ti 334.946†	1272.4	-10.5	3.67469	ug/L	3.67469	ug/L	14:32:12
1	Tl 190.801†	-2.9	0.0	-7.23653	ug/L	-7.23653	ug/L	14:32:32
1	V 292.395†	-107.8	8.0	2.66525	ug/L	2.66525	ug/L	14:32:12

1	Zn 206.200†	118.5	50.3	8.28224 ug/L	8.28224 ug/L	14:32:32
2	Sc 357.234	529331.2	529331.2	97.85 %		14:32:37
2	Y 371.029	671429.7	671429.7	97.68 %		14:32:37
2	Ag 328.068†	-325.3	84.3	3.29261 ug/L	3.29261 ug/L	14:32:44
2	Al 396.146†	359.3	-68.4	-24.4398 ug/L	-24.4398 ug/L	14:32:44
2	As 188.979†	14.4	4.1	16.6270 ug/L	16.6270 ug/L	14:33:04
2	B 249.769†	355.0	-85.7	-3.77536 ug/L	-3.77536 ug/L	14:32:44
2	Ba 455.403†	383.0	57.1	0.692856 ug/L	0.692856 ug/L	14:32:44
2	Be 234.863†	122.0	-39.6	-0.0202860 ug/L	-0.0202860 ug/L	14:33:04
2	Ca 315.874†	2951.6	3092.9	0.134217 mg/L	0.134217 mg/L	14:32:44
2	Cd 214.436†	-52.1	-11.2	2.56754 ug/L	2.56754 ug/L	14:33:04
2	Ce 413.764†	114.6	19.3	2.67402 ug/L	2.67402 ug/L	14:32:44
2	Co 228.616†	-54.5	-22.9	-1.86529 ug/L	-1.86529 ug/L	14:33:04
2	Cr 205.563†	42.7	-1.6	2.04538 ug/L	2.04538 ug/L	14:33:04
2	Cu 324.741†	-146.3	3.0	2.91126 ug/L	2.91126 ug/L	14:32:44
2	Fe 238.204†	283.7	170.1	14.6298 ug/L	14.6298 ug/L	14:33:04
2	K 766.490†	2411.5	-20.2	0.0023618 mg/L	0.0023618 mg/L	14:32:37
2	Li 670.784†	2342.2	357.7	1.94225 ug/L	1.94225 ug/L	14:32:37
2	Mg 279.071†	169.3	65.7	0.0064356 mg/L	0.0064356 mg/L	14:32:44
2	Mn 257.610†	189.7	96.4	2.28492 ug/L	2.28492 ug/L	14:32:44
2	Mo 202.031†	12.0	8.8	5.76249 ug/L	5.76249 ug/L	14:33:04
2	Na 589.592†	796.4	52.2	-0.0108511 mg/L	-0.0108511 mg/L	14:32:44
2	Ni 231.604†	-26.8	-17.5	1.45439 ug/L	1.45439 ug/L	14:33:04
2	Pb 220.353†	-78.9	-4.0	-7.24338 ug/L	-7.24338 ug/L	14:33:04
2	Sb 217.584†	10.2	5.3	14.9038 ug/L	14.9038 ug/L	14:33:04
2	Se 196.026†	-1.6	4.7	10.9687 ug/L	10.9687 ug/L	14:33:04
2	Si 251.611†	604.0	109.6	18.0244 ug/L	18.0244 ug/L	14:33:04
2	Sn 189.927†	-2.6	-1.4	12.6870 ug/L	12.6870 ug/L	14:33:04
2	Sr 407.771†	1508.9	-207.2	-3.54445 ug/L	-3.54445 ug/L	14:32:44
2	Ti 334.946†	1429.1	164.4	4.48928 ug/L	4.48928 ug/L	14:32:44
2	Tl 190.801†	-8.9	-6.2	-44.2126 ug/L	-44.2126 ug/L	14:33:04
2	V 292.395†	-123.8	-9.7	2.24638 ug/L	2.24638 ug/L	14:32:44
2	Zn 206.200†	132.0	65.5	10.5705 ug/L	10.5705 ug/L	14:33:04

Mean Data: 1205293-BLK1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	532379.5	98.41	%	0.797				0.81%
Y 371.029	675837.5	98.32	%	0.907				0.92%
Ag 328.068†	38.8	2.18778	ug/L	1.562476	2.18778	ug/L	1.562476	71.42%
Al 396.146†	-49.2	-23.8253	ug/L	0.86903	-23.8253	ug/L	0.86903	3.65%
As 188.979†	3.0	13.1573	ug/L	4.90690	13.1573	ug/L	4.90690	37.29%
B 249.769†	-67.1	-3.31425	ug/L	0.652100	-3.31425	ug/L	0.652100	19.68%
Ba 455.403†	100.6	0.772592	ug/L	0.1127651	0.772592	ug/L	0.1127651	14.60%
Be 234.863†	-28.7	0.0162078	ug/L	0.05160998	0.0162078	ug/L	0.05160998	318.43%
Ca 315.874†	3086.3	0.133834	mg/L	0.0005411	0.133834	mg/L	0.0005411	0.40%
Cd 214.436†	-17.4	2.22352	ug/L	0.486515	2.22352	ug/L	0.486515	21.88%
Ce 413.764†	-25.1	-3.49140	ug/L	8.719221	-3.49140	ug/L	8.719221	249.73%
Co 228.616†	-6.7	0.316156	ug/L	3.0850251	0.316156	ug/L	3.0850251	975.79%
Cr 205.563†	-3.5	1.72739	ug/L	0.449707	1.72739	ug/L	0.449707	26.03%
Cu 324.741†	9.5	3.35038	ug/L	0.621015	3.35038	ug/L	0.621015	18.54%
Fe 238.204†	170.7	14.6687	ug/L	0.05502	14.6687	ug/L	0.05502	0.38%
K 766.490†	-45.8	-0.0019668	mg/L	0.00612148	-0.0019668	mg/L	0.00612148	311.25%
Li 670.784†	316.2	1.77308	ug/L	0.239249	1.77308	ug/L	0.239249	13.49%
Mg 279.071†	47.7	0.0011337	mg/L	0.00749805	0.0011337	mg/L	0.00749805	661.38%
Mn 257.610†	110.4	2.37044	ug/L	0.120940	2.37044	ug/L	0.120940	5.10%
Mo 202.031†	9.1	5.85686	ug/L	0.133458	5.85686	ug/L	0.133458	2.28%
Na 589.592†	27.2	-0.0128595	mg/L	0.00284024	-0.0128595	mg/L	0.00284024	22.09%
Ni 231.604†	-4.8	2.80424	ug/L	1.908979	2.80424	ug/L	1.908979	68.07%
Pb 220.353†	4.5	-1.40480	ug/L	8.257007	-1.40480	ug/L	8.257007	587.77%
Sb 217.584†	5.3	14.8746	ug/L	0.04132	14.8746	ug/L	0.04132	0.28%
Se 196.026†	3.1	6.83079	ug/L	5.851828	6.83079	ug/L	5.851828	85.67%
Si 251.611†	92.5	15.5442	ug/L	3.50751	15.5442	ug/L	3.50751	22.56%
Sn 189.927†	-2.5	10.2141	ug/L	3.49725	10.2141	ug/L	3.49725	34.24%
Sr 407.771†	-207.9	-3.54918	ug/L	0.006683	-3.54918	ug/L	0.006683	0.19%
Ti 334.946†	77.0	4.08199	ug/L	0.576005	4.08199	ug/L	0.576005	14.11%
Tl 190.801†	-3.1	-25.7246	ug/L	26.14601	-25.7246	ug/L	26.14601	101.64%
V 292.395†	-0.8	2.45581	ug/L	0.296185	2.45581	ug/L	0.296185	12.06%
Zn 206.200†	57.9	9.42639	ug/L	1.618075	9.42639	ug/L	1.618075	17.17%

Sequence No.: 12
Sample ID: 2E07042-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/7/2012 2:34:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	521362.5	521362.5	96.37	%			14:35:34
1	Y 371.029	663546.9	663546.9	96.54	%			14:35:34
1	Ag 328.068†	19720.9	20879.8	499.623	ug/L	499.623	ug/L	14:35:39
1	Al 396.146†	33095.1	33904.9	2497.82	ug/L	2497.82	ug/L	14:35:39
1	As 188.979†	812.3	832.2	2437.74	ug/L	2437.74	ug/L	14:35:59
1	B 249.769†	19919.7	20220.8	497.723	ug/L	497.723	ug/L	14:35:39
1	Ba 455.403†	258033.1	267408.7	499.183	ug/L	499.183	ug/L	14:35:34
1	Be 234.863†	14368.6	14745.0	49.5945	ug/L	49.5945	ug/L	14:35:39
1	Ca 315.874†	83577.5	86798.9	4.98756	mg/L	4.98756	mg/L	14:35:39
1	Cd 214.436†	8457.4	8817.6	493.103	ug/L	493.103	ug/L	14:35:39
1	Ce 413.764†	174.3	83.0	11.6155	ug/L	11.6155	ug/L	14:35:39
1	Co 228.616†	3569.7	3736.9	504.063	ug/L	504.063	ug/L	14:35:59
1	Cr 205.563†	2921.8	2986.6	498.247	ug/L	498.247	ug/L	14:35:59
1	Cu 324.741†	6980.4	7395.6	500.352	ug/L	500.352	ug/L	14:35:39
1	Fe 238.204†	7271.5	7425.3	491.755	ug/L	491.755	ug/L	14:35:39
1	K 766.490†	30669.1	29338.4	4.97117	mg/L	4.97117	mg/L	14:35:34
1	Li 670.784†	120240.1	122728.8	502.814	ug/L	502.814	ug/L	14:35:34
1	Mg 279.071†	16553.5	17069.1	5.01406	mg/L	5.01406	mg/L	14:35:39
1	Mn 257.610†	79240.5	82124.9	500.904	ug/L	500.904	ug/L	14:35:39
1	Mo 202.031†	1598.3	1655.0	498.508	ug/L	498.508	ug/L	14:35:59
1	Na 589.592†	60210.3	61714.3	4.94491	mg/L	4.94491	mg/L	14:35:34
1	Ni 231.604†	4459.9	4637.6	496.436	ug/L	496.436	ug/L	14:35:39
1	Pb 220.353†	632.3	732.7	499.237	ug/L	499.237	ug/L	14:35:59
1	Sb 217.584†	1150.7	1188.8	2508.38	ug/L	2508.38	ug/L	14:35:59
1	Se 196.026†	893.8	933.7	2455.83	ug/L	2455.83	ug/L	14:35:59
1	Si 251.611†	17127.6	17264.5	2488.49	ug/L	2488.49	ug/L	14:35:39
1	Sn 189.927†	1049.4	1090.2	2489.47	ug/L	2489.47	ug/L	14:35:59
1	Sr 407.771†	1127006.5	1167667.3	495.327	ug/L	495.327	ug/L	14:35:34
1	Ti 334.946†	104329.2	106959.1	501.846	ug/L	501.846	ug/L	14:35:39
1	Tl 190.801†	399.7	417.7	2489.65	ug/L	2489.65	ug/L	14:35:59
1	V 292.395†	20206.9	21084.2	502.774	ug/L	502.774	ug/L	14:35:39
1	Zn 206.200†	3275.3	3329.1	500.909	ug/L	500.909	ug/L	14:35:59
2	Sc 357.234	520063.2	520063.2	96.13	%			14:36:07
2	Y 371.029	662102.4	662102.4	96.33	%			14:36:07
2	Ag 328.068†	19768.5	20980.4	502.017	ug/L	502.017	ug/L	14:36:12
2	Al 396.146†	33203.3	34103.3	2512.15	ug/L	2512.15	ug/L	14:36:12
2	As 188.979†	821.6	844.0	2472.32	ug/L	2472.32	ug/L	14:36:32
2	B 249.769†	20139.2	20500.7	504.647	ug/L	504.647	ug/L	14:36:12
2	Ba 455.403†	258192.4	268243.4	500.739	ug/L	500.739	ug/L	14:36:07
2	Be 234.863†	14491.3	14909.9	50.1486	ug/L	50.1486	ug/L	14:36:12
2	Ca 315.874†	84000.3	87455.4	5.02562	mg/L	5.02562	mg/L	14:36:12
2	Cd 214.436†	8503.8	8887.9	497.007	ug/L	497.007	ug/L	14:36:12
2	Ce 413.764†	158.7	67.2	9.42016	ug/L	9.42016	ug/L	14:36:12
2	Co 228.616†	3565.5	3741.8	504.721	ug/L	504.721	ug/L	14:36:32
2	Cr 205.563†	2940.7	3013.8	502.760	ug/L	502.760	ug/L	14:36:32
2	Cu 324.741†	7057.4	7493.8	506.957	ug/L	506.957	ug/L	14:36:12
2	Fe 238.204†	7258.2	7430.3	492.077	ug/L	492.077	ug/L	14:36:12
2	K 766.490†	30934.6	29694.0	5.03136	mg/L	5.03136	mg/L	14:36:07
2	Li 670.784†	119889.6	122675.9	502.598	ug/L	502.598	ug/L	14:36:07
2	Mg 279.071†	16443.9	16998.0	4.99313	mg/L	4.99313	mg/L	14:36:12
2	Mn 257.610†	79394.9	82490.9	503.130	ug/L	503.130	ug/L	14:36:12
2	Mo 202.031†	1614.4	1675.9	504.775	ug/L	504.775	ug/L	14:36:32
2	Na 589.592†	60100.4	61756.1	4.94827	mg/L	4.94827	mg/L	14:36:07
2	Ni 231.604†	4453.9	4642.9	497.010	ug/L	497.010	ug/L	14:36:12
2	Pb 220.353†	622.3	724.0	493.288	ug/L	493.288	ug/L	14:36:32
2	Sb 217.584†	1147.7	1188.7	2508.20	ug/L	2508.20	ug/L	14:36:32
2	Se 196.026†	920.5	963.8	2534.93	ug/L	2534.93	ug/L	14:36:32
2	Si 251.611†	17188.0	17371.7	2503.90	ug/L	2503.90	ug/L	14:36:12
2	Sn 189.927†	1050.2	1093.7	2497.47	ug/L	2497.47	ug/L	14:36:32
2	Sr 407.771†	1126631.5	1170198.9	496.404	ug/L	496.404	ug/L	14:36:07
2	Ti 334.946†	104704.7	107620.2	504.925	ug/L	504.925	ug/L	14:36:12
2	Tl 190.801†	407.5	426.9	2544.17	ug/L	2544.17	ug/L	14:36:32

CCD

2	V 292.395†	20274.6	21207.0	505.717 ug/L	505.717 ug/L	14:36:12
2	Zn 206.200†	3272.1	3334.3	501.681 ug/L	501.681 ug/L	14:36:32

Mean Data: 2E07042-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	520712.9	96.25	%	0.170				0.18%
Y 371.029	662824.7	96.43	%	0.149				0.15%
Ag 328.068†	20930.1	500.820	ug/L	1.6931	500.820	ug/L	1.6931	0.34%
QC value within limits for Ag 328.068 Recovery = 100.16%								
Al 396.146†	34004.1	2504.98	ug/L	10.134	2504.98	ug/L	10.134	0.40%
QC value within limits for Al 396.146 Recovery = 100.20%								
As 188.979†	838.1	2455.03	ug/L	24.456	2455.03	ug/L	24.456	1.00%
QC value within limits for As 188.979 Recovery = 98.20%								
B 249.769†	20360.7	501.185	ug/L	4.8955	501.185	ug/L	4.8955	0.98%
QC value within limits for B 249.769 Recovery = 100.24%								
Ba 455.403†	267826.1	499.961	ug/L	1.1002	499.961	ug/L	1.1002	0.22%
QC value within limits for Ba 455.403 Recovery = 99.99%								
Be 234.863†	14827.5	49.8715	ug/L	0.39180	49.8715	ug/L	0.39180	0.79%
QC value within limits for Be 234.863 Recovery = 99.74%								
Ca 315.874†	87127.1	5.00659	mg/L	0.026914	5.00659	mg/L	0.026914	0.54%
QC value within limits for Ca 315.874 Recovery = 100.13%								
Cd 214.436†	8852.8	495.055	ug/L	2.7600	495.055	ug/L	2.7600	0.56%
QC value within limits for Cd 214.436 Recovery = 99.01%								
Ce 413.764†	75.1	10.5178	ug/L	1.55232	10.5178	ug/L	1.55232	14.76%
Co 228.616†	3739.3	504.392	ug/L	0.4652	504.392	ug/L	0.4652	0.09%
QC value within limits for Co 228.616 Recovery = 100.88%								
Cr 205.563†	3000.2	500.504	ug/L	3.1909	500.504	ug/L	3.1909	0.64%
QC value within limits for Cr 205.563 Recovery = 100.10%								
Cu 324.741†	7444.7	503.654	ug/L	4.6705	503.654	ug/L	4.6705	0.93%
QC value within limits for Cu 324.741 Recovery = 100.73%								
Fe 238.204†	7427.8	491.916	ug/L	0.2276	491.916	ug/L	0.2276	0.05%
QC value within limits for Fe 238.204 Recovery = 98.38%								
K 766.490†	29516.2	5.00127	mg/L	0.042564	5.00127	mg/L	0.042564	0.85%
QC value within limits for K 766.490 Recovery = 100.03%								
Li 670.784†	122702.4	502.706	ug/L	0.1528	502.706	ug/L	0.1528	0.03%
QC value within limits for Li 670.784 Recovery = 100.54%								
Mg 279.071†	17033.6	5.00359	mg/L	0.014798	5.00359	mg/L	0.014798	0.30%
QC value within limits for Mg 279.071 Recovery = 100.07%								
Mn 257.610†	82307.9	502.017	ug/L	1.5741	502.017	ug/L	1.5741	0.31%
QC value within limits for Mn 257.610 Recovery = 100.40%								
Mo 202.031†	1665.4	501.642	ug/L	4.4317	501.642	ug/L	4.4317	0.88%
QC value within limits for Mo 202.031 Recovery = 100.33%								
Na 589.592†	61735.2	4.94659	mg/L	0.002375	4.94659	mg/L	0.002375	0.05%
QC value within limits for Na 589.592 Recovery = 98.93%								
Ni 231.604†	4640.3	496.723	ug/L	0.4063	496.723	ug/L	0.4063	0.08%
QC value within limits for Ni 231.604 Recovery = 99.34%								
Pb 220.353†	728.4	496.262	ug/L	4.2069	496.262	ug/L	4.2069	0.85%
QC value within limits for Pb 220.353 Recovery = 99.25%								
Sb 217.584†	1188.8	2508.29	ug/L	0.126	2508.29	ug/L	0.126	0.01%
QC value within limits for Sb 217.584 Recovery = 100.33%								
Se 196.026†	948.7	2495.38	ug/L	55.937	2495.38	ug/L	55.937	2.24%
QC value within limits for Se 196.026 Recovery = 99.82%								
Si 251.611†	17318.1	2496.19	ug/L	10.899	2496.19	ug/L	10.899	0.44%
QC value within limits for Si 251.611 Recovery = 99.85%								
Sn 189.927†	1091.9	2493.47	ug/L	5.658	2493.47	ug/L	5.658	0.23%
QC value within limits for Sn 189.927 Recovery = 99.74%								
Sr 407.771†	1168933.1	495.866	ug/L	0.7616	495.866	ug/L	0.7616	0.15%
QC value within limits for Sr 407.771 Recovery = 99.17%								
Ti 334.946†	107289.7	503.385	ug/L	2.1769	503.385	ug/L	2.1769	0.43%
QC value within limits for Ti 334.946 Recovery = 100.68%								
Tl 190.801†	422.3	2516.91	ug/L	38.555	2516.91	ug/L	38.555	1.53%
QC value within limits for Tl 190.801 Recovery = 100.68%								
V 292.395†	21145.6	504.245	ug/L	2.0808	504.245	ug/L	2.0808	0.41%
QC value within limits for V 292.395 Recovery = 100.85%								
Zn 206.200†	3331.7	501.295	ug/L	0.5459	501.295	ug/L	0.5459	0.11%
QC value within limits for Zn 206.200 Recovery = 100.26%								

All analyte(s) passed QC.

Sequence No.: 13 **Autosampler Location: 1**

Sample ID: 2E07042-CCB
Analyst:
Initial Sample Wt:
Dilution:

Date Collected: 5/7/2012 2:39:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E07042-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	535286.8	535286.8	98.95	%			14:40:26
1	Y 371.029	679652.8	679652.8	98.88	%			14:40:26
1	Ag 328.068†	-362.1	50.8	2.44416	ug/L	2.44416	ug/L	14:40:26
1	Al 396.146†	405.8	-25.5	-23.1274	ug/L	-23.1274	ug/L	14:40:26
1	As 188.979†	10.1	-0.4	3.39112	ug/L	3.39112	ug/L	14:40:46
1	B 249.769†	547.5	104.8	0.940352	ug/L	0.940352	ug/L	14:40:46
1	Ba 455.403†	249.7	-82.0	0.430271	ug/L	0.430271	ug/L	14:40:26
1	Be 234.863†	161.7	-0.8	0.110359	ug/L	0.110359	ug/L	14:40:46
1	Ca 315.874†	-49.3	26.5	-0.0435751	mg/L	-0.0435751	mg/L	14:40:26
1	Cd 214.436†	-48.9	-7.4	2.77757	ug/L	2.77757	ug/L	14:40:46
1	Ce 413.764†	6.9	-90.9	-12.6138	ug/L	-12.6138	ug/L	14:40:26
1	Co 228.616†	-37.3	-4.8	0.566085	ug/L	0.566085	ug/L	14:40:46
1	Cr 205.563†	36.1	-8.7	0.859098	ug/L	0.859098	ug/L	14:40:46
1	Cu 324.741†	-168.4	-17.7	1.51513	ug/L	1.51513	ug/L	14:40:26
1	Fe 238.204†	233.1	115.8	11.0570	ug/L	11.0570	ug/L	14:40:46
1	K 766.490†	2230.5	-230.6	-0.0332461	mg/L	-0.0332461	mg/L	14:40:26
1	Li 670.784†	2411.9	401.6	2.12341	ug/L	2.12341	ug/L	14:40:26
1	Mg 279.071†	112.6	6.6	-0.0109832	mg/L	-0.0109832	mg/L	14:40:26
1	Mn 257.610†	86.5	-10.1	1.63771	ug/L	1.63771	ug/L	14:40:46
1	Mo 202.031†	5.1	1.7	3.64303	ug/L	3.64303	ug/L	14:40:46
1	Na 589.592†	742.5	-11.3	-0.0159577	mg/L	-0.0159577	mg/L	14:40:26
1	Ni 231.604†	-51.3	-42.0	-1.15503	ug/L	-1.15503	ug/L	14:40:46
1	Pb 220.353†	-80.3	-4.5	-7.61397	ug/L	-7.61397	ug/L	14:40:46
1	Sb 217.584†	14.4	9.4	23.5085	ug/L	23.5085	ug/L	14:40:46
1	Se 196.026†	-13.4	-7.3	-20.4501	ug/L	-20.4501	ug/L	14:40:46
1	Si 251.611†	545.7	43.8	8.49177	ug/L	8.49177	ug/L	14:40:46
1	Sn 189.927†	-2.6	-1.3	12.8130	ug/L	12.8130	ug/L	14:40:46
1	Sr 407.771†	1671.5	-60.1	-3.47497	ug/L	-3.47497	ug/L	14:40:26
1	Ti 334.946†	1264.8	-17.8	3.64070	ug/L	3.64070	ug/L	14:40:26
1	Tl 190.801†	-3.6	-0.6	-11.2691	ug/L	-11.2691	ug/L	14:40:46
1	V 292.395†	-142.3	-26.9	1.82388	ug/L	1.82388	ug/L	14:40:26
1	Zn 206.200†	74.0	5.3	1.51952	ug/L	1.51952	ug/L	14:40:46
2	Sc 357.234	524688.4	524688.4	96.99	%			14:40:52
2	Y 371.029	665354.9	665354.9	96.80	%			14:40:52
2	Ag 328.068†	-434.9	-31.6	0.502092	ug/L	0.502092	ug/L	14:40:52
2	Al 396.146†	454.3	32.8	-17.8613	ug/L	-17.8613	ug/L	14:40:52
2	As 188.979†	13.7	3.5	15.0160	ug/L	15.0160	ug/L	14:41:12
2	B 249.769†	526.2	94.0	0.677006	ug/L	0.677006	ug/L	14:41:12
2	Ba 455.403†	289.1	-36.3	0.517038	ug/L	0.517038	ug/L	14:40:52
2	Be 234.863†	135.9	-24.2	0.0318620	ug/L	0.0318620	ug/L	14:41:12
2	Ca 315.874†	-79.0	-5.1	-0.0454071	mg/L	-0.0454071	mg/L	14:40:52
2	Cd 214.436†	-46.9	-6.4	2.83421	ug/L	2.83421	ug/L	14:41:12
2	Ce 413.764†	58.4	-37.6	-5.22039	ug/L	-5.22039	ug/L	14:40:52
2	Co 228.616†	-34.1	-2.3	0.901904	ug/L	0.901904	ug/L	14:41:12
2	Cr 205.563†	41.5	-2.3	1.91518	ug/L	1.91518	ug/L	14:41:12
2	Cu 324.741†	-153.1	-5.3	2.34815	ug/L	2.34815	ug/L	14:40:52
2	Fe 238.204†	212.4	99.2	9.96331	ug/L	9.96331	ug/L	14:41:12
2	K 766.490†	2451.7	43.0	0.0130674	mg/L	0.0130674	mg/L	14:40:52
2	Li 670.784†	2468.4	509.0	2.56240	ug/L	2.56240	ug/L	14:40:52
2	Mg 279.071†	96.6	-7.6	-0.0151653	mg/L	-0.0151653	mg/L	14:40:52
2	Mn 257.610†	100.0	5.7	1.73378	ug/L	1.73378	ug/L	14:41:12
2	Mo 202.031†	12.8	9.8	6.07666	ug/L	6.07666	ug/L	14:41:12
2	Na 589.592†	747.1	8.6	-0.0143612	mg/L	-0.0143612	mg/L	14:40:52
2	Ni 231.604†	-18.1	-8.9	2.37359	ug/L	2.37359	ug/L	14:41:12
2	Pb 220.353†	-72.9	1.5	-3.48282	ug/L	-3.48282	ug/L	14:41:12
2	Sb 217.584†	6.3	1.3	6.54767	ug/L	6.54767	ug/L	14:41:12
2	Se 196.026†	-7.5	-1.5	-5.15943	ug/L	-5.15943	ug/L	14:41:12
2	Si 251.611†	546.2	55.5	10.1404	ug/L	10.1404	ug/L	14:41:12
2	Sn 189.927†	-0.1	1.2	18.4619	ug/L	18.4619	ug/L	14:41:12
2	Sr 407.771†	1697.2	0.6	-3.44350	ug/L	-3.44350	ug/L	14:40:52
2	Ti 334.946†	1366.6	112.9	4.24932	ug/L	4.24932	ug/L	14:40:52
2	Tl 190.801†	-3.9	-1.0	-13.5441	ug/L	-13.5441	ug/L	14:41:12
2	V 292.395†	-148.7	-36.4	1.62084	ug/L	1.62084	ug/L	14:40:52

2 Zn 206.200† 58.1 -9.5 -0.713239 ug/L -0.713239 ug/L 14:41:12

Mean Data: 2E07042-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	529987.6	97.97	%	1.385				1.41%
Y 371.029	672503.8	97.84	%	1.471				1.50%
Ag 328.068†	9.6	1.47313	ug/L	1.373249	1.47313	ug/L	1.373249	93.22%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	3.7	-20.4944	ug/L	3.72368	-20.4944	ug/L	3.72368	18.17%
QC value within limits for Al 396.146 Recovery = Not calculated								
As 188.979†	1.6	9.20358	ug/L	8.220058	9.20358	ug/L	8.220058	89.31%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	99.4	0.808679	ug/L	0.1862140	0.808679	ug/L	0.1862140	23.03%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	59.1	0.473655	ug/L	0.0613535	0.473655	ug/L	0.0613535	12.95%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	-12.5	0.0711106	ug/L	0.05550593	0.0711106	ug/L	0.05550593	78.06%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	10.7	-0.0444911	mg/L	0.00129541	-0.0444911	mg/L	0.00129541	2.91%
QC value within limits for Ca 315.874 Recovery = Not calculated								
Cd 214.436†	-6.9	2.80589	ug/L	0.040050	2.80589	ug/L	0.040050	1.43%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	-64.2	-8.91708	ug/L	5.227917	-8.91708	ug/L	5.227917	58.63%
Co 228.616†	-3.6	0.733994	ug/L	0.2374605	0.733994	ug/L	0.2374605	32.35%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	-5.5	1.38714	ug/L	0.746766	1.38714	ug/L	0.746766	53.83%
QC value within limits for Cr 205.563 Recovery = Not calculated								
Cu 324.741†	-11.5	1.93164	ug/L	0.589030	1.93164	ug/L	0.589030	30.49%
QC value within limits for Cu 324.741 Recovery = Not calculated								
Fe 238.204†	107.5	10.5102	ug/L	0.77335	10.5102	ug/L	0.77335	7.36%
QC value greater than the upper limit for Fe 238.204 Recovery = Not calculated								
K 766.490†	-93.8	-0.0100894	mg/L	0.03274858	-0.0100894	mg/L	0.03274858	324.58%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	455.3	2.34291	ug/L	0.310416	2.34291	ug/L	0.310416	13.25%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-0.5	-0.0130742	mg/L	0.00295723	-0.0130742	mg/L	0.00295723	22.62%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	-2.2	1.68574	ug/L	0.067932	1.68574	ug/L	0.067932	4.03%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	5.8	4.85985	ug/L	1.720833	4.85985	ug/L	1.720833	35.41%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	-1.4	-0.0151594	mg/L	0.00112894	-0.0151594	mg/L	0.00112894	7.45%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-25.4	0.609281	ug/L	2.4951143	0.609281	ug/L	2.4951143	409.52%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	-1.5	-5.54840	ug/L	2.921162	-5.54840	ug/L	2.921162	52.65%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	5.4	15.0281	ug/L	11.99311	15.0281	ug/L	11.99311	79.80%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	-4.4	-12.8048	ug/L	10.81215	-12.8048	ug/L	10.81215	84.44%
QC value within limits for Se 196.026 Recovery = Not calculated								
Si 251.611†	49.7	9.31607	ug/L	1.165743	9.31607	ug/L	1.165743	12.51%
QC value within limits for Si 251.611 Recovery = Not calculated								
Sn 189.927†	-0.1	15.6374	ug/L	3.99434	15.6374	ug/L	3.99434	25.54%
QC value within limits for Sn 189.927 Recovery = Not calculated								
Sr 407.771†	-29.7	-3.45924	ug/L	0.022258	-3.45924	ug/L	0.022258	0.64%
QC value within limits for Sr 407.771 Recovery = Not calculated								
Ti 334.946†	47.6	3.94501	ug/L	0.430356	3.94501	ug/L	0.430356	10.91%
QC value within limits for Ti 334.946 Recovery = Not calculated								
Tl 190.801†	-0.8	-12.4066	ug/L	1.60862	-12.4066	ug/L	1.60862	12.97%
QC value within limits for Tl 190.801 Recovery = Not calculated								
V 292.395†	-31.7	1.72236	ug/L	0.143567	1.72236	ug/L	0.143567	8.34%
QC value within limits for V 292.395 Recovery = Not calculated								
Zn 206.200†	-2.1	0.403140	ug/L	1.5787987	0.403140	ug/L	1.5787987	391.63%
QC value within limits for Zn 206.200 Recovery = Not calculated								

QC Failed. Continue with analysis.

Analytical Sequence
Method: AQU_6010C_116

Seq.	Loc.	ID	Status
1	-1	Hg_ReAlign	
2	9	2E07042-SCV1	
3	1	2E07042-CCB	
4	10	2E07042-CRL1	
5	11	2E07042-IFA1	
6	12	2E07042-IFA2	
7	13	2E07042-IFB1	
8	14	2E07042-IFB2	
9	4	2E07042-CCV	
10	1	2E07042-CCB	
11	25	1205293-BLK1	Analyzed
12	4	2E07042-CCV	QC Passed
13	1	2E07042-CCB	QC Failed

==========

Analysis Begun

Start Time: 5/7/2012 2:42:29 PM **Plasma On Time: 5/7/2012 6:34:12 AM**
Logged In Analyst: analystME **Technique: ICP Continuous**
Spectrometer Model: Optima 3300 RL, S/N 069N9060301Autosampler Model: AS-90

Sample Information File: C:\pe\Administrator\Sample Information\2E07042.sif
Batch ID:
Results Data Set: 2E07042
Results Library: C:\pe\Administrator\Results\Results.mdb

==========

5/7/2012 1:43:51 PM Hg ReAlign... Actual peak offset (nm): -0.007
Drift (nm): 0.000 Slit adjustment: 0

==========

User canceled analysis.

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Analysis Begun

Start Time: 5/7/2012 2:42:33 PM **Plasma On Time: 5/7/2012 6:34:12 AM**
Logged In Analyst: analystME **Technique: ICP Continuous**
Spectrometer Model: Optima 3300 RL, S/N 069N9060301Autosampler Model: AS-90

Sample Information File: C:\pe\Administrator\Sample Information\2E07042.sif
Batch ID:
Results Data Set: 2E07042
Results Library: C:\pe\Administrator\Results\Results.mdb

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5/7/2012 1:43:51 PM Hg ReAlign... Actual peak offset (nm): -0.007
Drift (nm): 0.000 Slit adjustment: 0

==========

User canceled analysis.

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Analysis Begun

Start Time: 5/7/2012 2:43:02 PM **Plasma On Time: 5/7/2012 6:34:12 AM**
Logged In Analyst: analystME **Technique: ICP Continuous**
Spectrometer Model: Optima 3300 RL, S/N 069N9060301Autosampler Model: AS-90

Sample Information File: C:\pe\Administrator\Sample Information\2E07042.sif
Batch ID:
Results Data Set: 2E07042
Results Library: C:\pe\Administrator\Results\Results.mdb

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Sequence No.: 14 **Autosampler Location: 1**
Sample ID: 2E07042-CCB **Date Collected: 5/7/2012 2:43:02 PM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2E07042-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	525977.9	525977.9	97.23	%			14:44:09
1	Y 371.029	666182.6	666182.6	96.92	%			14:44:09
1	Ag 328.068†	-384.0	21.8	1.77927	ug/L	1.77927	ug/L	14:44:15
1	Al 396.146†	414.6	-9.2	-20.9278	ug/L	-20.9278	ug/L	14:44:15
1	As 188.979†	11.1	0.8	6.89042	ug/L	6.89042	ug/L	14:44:35
1	B 249.769†	488.6	54.0	-0.302116	ug/L	-0.302116	ug/L	14:44:15
1	Ba 455.403†	379.3	55.8	0.688802	ug/L	0.688802	ug/L	14:44:15
1	Be 234.863†	141.3	-18.9	0.0503536	ug/L	0.0503536	ug/L	14:44:35
1	Ca 315.874†	199.1	281.2	-0.0288095	mg/L	-0.0288095	mg/L	14:44:15
1	Cd 214.436†	-61.7	-21.5	1.99620	ug/L	1.99620	ug/L	14:44:35
1	Ce 413.764†	63.3	-32.7	-4.53440	ug/L	-4.53440	ug/L	14:44:15
1	Co 228.616†	-26.5	5.6	1.97453	ug/L	1.97453	ug/L	14:44:35
1	Cr 205.563†	28.8	-15.6	-0.287730	ug/L	-0.287730	ug/L	14:44:35
1	Cu 324.741†	-140.1	8.4	3.26858	ug/L	3.26858	ug/L	14:44:15

1	Fe 238.204†	101.3	-15.6	2.41627 ug/L	2.41627 ug/L	14:44:35
1	K 766.490†	2299.7	-119.6	-0.0144560 mg/L	-0.0144560 mg/L	14:44:09
1	Li 670.784†	2354.1	385.2	2.05565 ug/L	2.05565 ug/L	14:44:09
1	Mg 279.071†	116.8	12.9	-0.0091157 mg/L	-0.0091157 mg/L	14:44:15
1	Mn 257.610†	53.2	-42.8	1.43979 ug/L	1.43979 ug/L	14:44:15
1	Mo 202.031†	14.6	11.6	6.60290 ug/L	6.60290 ug/L	14:44:35
1	Na 589.592†	813.1	74.5	-0.0090594 mg/L	-0.0090594 mg/L	14:44:15
1	Ni 231.604†	-36.7	-27.9	0.349742 ug/L	0.349742 ug/L	14:44:35
1	Pb 220.353†	-67.4	7.3	0.487799 ug/L	0.487799 ug/L	14:44:35
1	Sb 217.584†	11.6	6.7	17.9943 ug/L	17.9943 ug/L	14:44:35
1	Se 196.026†	-4.5	1.6	2.93823 ug/L	2.93823 ug/L	14:44:35
1	Si 251.611†	549.1	57.1	10.3672 ug/L	10.3672 ug/L	14:44:35
1	Sn 189.927†	5.0	6.4	30.4227 ug/L	30.4227 ug/L	14:44:35
1	Sr 407.771†	1694.8	-6.1	-3.44753 ug/L	-3.44753 ug/L	14:44:15
1	Ti 334.946†	1392.1	135.8	4.35570 ug/L	4.35570 ug/L	14:44:15
1	Tl 190.801†	-0.4	2.6	8.19755 ug/L	8.19755 ug/L	14:44:35
1	V 292.395†	-119.0	-5.5	2.35430 ug/L	2.35430 ug/L	14:44:15
1	Zn 206.200†	56.4	-11.4	-0.997977 ug/L	-0.997977 ug/L	14:44:35
2	Sc 357.234	534624.4	534624.4	98.82 %		14:44:41
2	Y 371.029	679171.5	679171.5	98.81 %		14:44:41
2	Ag 328.068†	-363.3	49.1	2.46391 ug/L	2.46391 ug/L	14:44:46
2	Al 396.146†	540.0	110.8	-10.4483 ug/L	-10.4483 ug/L	14:44:46
2	As 188.979†	15.0	4.6	17.9672 ug/L	17.9672 ug/L	14:45:06
2	B 249.769†	463.0	19.9	-1.14543 ug/L	-1.14543 ug/L	14:44:46
2	Ba 455.403†	242.8	-88.7	0.421734 ug/L	0.421734 ug/L	14:44:46
2	Be 234.863†	151.6	-10.8	0.0773795 ug/L	0.0773795 ug/L	14:45:06
2	Ca 315.874†	269.1	348.6	-0.0248995 mg/L	-0.0248995 mg/L	14:44:46
2	Cd 214.436†	-65.5	-24.2	1.84017 ug/L	1.84017 ug/L	14:45:06
2	Ce 413.764†	141.4	45.3	6.28779 ug/L	6.28779 ug/L	14:44:46
2	Co 228.616†	-25.4	7.1	2.17468 ug/L	2.17468 ug/L	14:45:06
2	Cr 205.563†	30.8	-14.0	-0.0148813 ug/L	-0.0148813 ug/L	14:45:06
2	Cu 324.741†	-162.3	-11.7	1.91561 ug/L	1.91561 ug/L	14:44:46
2	Fe 238.204†	111.9	-6.6	3.01268 ug/L	3.01268 ug/L	14:45:06
2	K 766.490†	2382.5	-74.0	-0.0067423 mg/L	-0.0067423 mg/L	14:44:41
2	Li 670.784†	2507.1	500.9	2.52818 ug/L	2.52818 ug/L	14:44:41
2	Mg 279.071†	212.6	107.8	0.0188336 mg/L	0.0188336 mg/L	14:44:46
2	Mn 257.610†	50.9	-46.0	1.41910 ug/L	1.41910 ug/L	14:44:46
2	Mo 202.031†	5.0	1.6	3.60851 ug/L	3.60851 ug/L	14:45:06
2	Na 589.592†	697.5	-56.0	-0.0195480 mg/L	-0.0195480 mg/L	14:44:46
2	Ni 231.604†	-20.9	-11.3	2.10412 ug/L	2.10412 ug/L	14:45:06
2	Pb 220.353†	-77.2	-1.5	-5.55657 ug/L	-5.55657 ug/L	14:45:06
2	Sb 217.584†	4.8	-0.3	3.08320 ug/L	3.08320 ug/L	14:45:06
2	Se 196.026†	-6.2	-0.0	-1.32680 ug/L	-1.32680 ug/L	14:45:06
2	Si 251.611†	554.8	53.8	9.90482 ug/L	9.90482 ug/L	14:45:06
2	Sn 189.927†	4.8	6.1	29.6773 ug/L	29.6773 ug/L	14:45:06
2	Sr 407.771†	1952.6	226.4	-3.34063 ug/L	-3.34063 ug/L	14:44:46
2	Ti 334.946†	1387.3	107.7	4.22491 ug/L	4.22491 ug/L	14:44:46
2	Tl 190.801†	-4.5	-1.6	-16.8716 ug/L	-16.8716 ug/L	14:45:06
2	V 292.395†	-206.1	-91.7	0.297976 ug/L	0.297976 ug/L	14:44:46
2	Zn 206.200†	66.0	-2.7	0.309321 ug/L	0.309321 ug/L	14:45:06

Mean Data: 2E07042-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	530301.1	98.03	%	1.130				1.15%
Y 371.029	672677.1	97.86	%	1.336				1.37%
Ag 328.068†	35.4	2.12159	ug/L	0.484112	2.12159	ug/L	0.484112	22.82%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	50.8	-15.6880	ug/L	7.41012	-15.6880	ug/L	7.41012	47.23%
QC value within limits for Al 396.146 Recovery = Not calculated								
As 188.979†	2.7	12.4288	ug/L	7.83246	12.4288	ug/L	7.83246	63.02%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	37.0	-0.723775	ug/L	0.5963151	-0.723775	ug/L	0.5963151	82.39%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	-16.5	0.555268	ug/L	0.1888458	0.555268	ug/L	0.1888458	34.01%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	-14.8	0.0638666	ug/L	0.01911021	0.0638666	ug/L	0.01911021	29.92%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	314.9	-0.0268545	mg/L	0.00276483	-0.0268545	mg/L	0.00276483	10.30%
QC value within limits for Ca 315.874 Recovery = Not calculated								
Cd 214.436†	-22.9	1.91818	ug/L	0.110331	1.91818	ug/L	0.110331	5.75%

QC value within limits for Cd 214.436 Recovery = Not calculated

Ce 413.764†	6.3	0.876692 ug/L	7.6524443	0.876692 ug/L	7.6524443	872.88%
Co 228.616†	6.4	2.07461 ug/L	0.141532	2.07461 ug/L	0.141532	6.82%

QC value within limits for Co 228.616 Recovery = Not calculated

Cr 205.563†	-14.8	-0.151306 ug/L	0.1929330	-0.151306 ug/L	0.1929330	127.51%

QC value within limits for Cr 205.563 Recovery = Not calculated

Cu 324.741†	-1.7	2.59210 ug/L	0.956696	2.59210 ug/L	0.956696	36.91%

QC value within limits for Cu 324.741 Recovery = Not calculated

Fe 238.204†	-11.1	2.71448 ug/L	0.421726	2.71448 ug/L	0.421726	15.54%

QC value within limits for Fe 238.204 Recovery = Not calculated

K 766.490†	-96.8	-0.0105992 mg/L	0.00545437	-0.0105992 mg/L	0.00545437	51.46%

QC value within limits for K 766.490 Recovery = Not calculated

Li 670.784†	443.1	2.29191 ug/L	0.334126	2.29191 ug/L	0.334126	14.58%

QC value within limits for Li 670.784 Recovery = Not calculated

Mg 279.071†	60.4	0.0048590 mg/L	0.01976311	0.0048590 mg/L	0.01976311	406.74%

QC value within limits for Mg 279.071 Recovery = Not calculated

Mn 257.610†	-44.4	1.42944 ug/L	0.014632	1.42944 ug/L	0.014632	1.02%

QC value within limits for Mn 257.610 Recovery = Not calculated

Mo 202.031†	6.6	5.10571 ug/L	2.117357	5.10571 ug/L	2.117357	41.47%

QC value within limits for Mo 202.031 Recovery = Not calculated

Na 589.592†	9.3	-0.0143037 mg/L	0.00741652	-0.0143037 mg/L	0.00741652	51.85%

QC value within limits for Na 589.592 Recovery = Not calculated

Ni 231.604†	-19.6	1.22693 ug/L	1.240530	1.22693 ug/L	1.240530	101.11%

QC value within limits for Ni 231.604 Recovery = Not calculated

Pb 220.353†	2.9	-2.53439 ug/L	4.274014	-2.53439 ug/L	4.274014	168.64%

QC value within limits for Pb 220.353 Recovery = Not calculated

Sb 217.584†	3.2	10.5388 ug/L	10.54377	10.5388 ug/L	10.54377	100.05%

QC value within limits for Sb 217.584 Recovery = Not calculated

Se 196.026†	0.8	0.805714 ug/L	3.0158275	0.805714 ug/L	3.0158275	374.31%

QC value within limits for Se 196.026 Recovery = Not calculated

Si 251.611†	55.5	10.1360 ug/L	0.32696	10.1360 ug/L	0.32696	3.23%

QC value within limits for Si 251.611 Recovery = Not calculated

Sn 189.927†	6.3	30.0500 ug/L	0.52708	30.0500 ug/L	0.52708	1.75%

QC value within limits for Sn 189.927 Recovery = Not calculated

Sr 407.771†	110.1	-3.39408 ug/L	0.075590	-3.39408 ug/L	0.075590	2.23%

QC value within limits for Sr 407.771 Recovery = Not calculated

Ti 334.946†	121.7	4.29030 ug/L	0.092481	4.29030 ug/L	0.092481	2.16%

QC value within limits for Ti 334.946 Recovery = Not calculated

Tl 190.801†	0.5	-4.33701 ug/L	17.726534	-4.33701 ug/L	17.726534	408.73%

QC value within limits for Tl 190.801 Recovery = Not calculated

V 292.395†	-48.6	1.32614 ug/L	1.454040	1.32614 ug/L	1.454040	109.64%

QC value within limits for V 292.395 Recovery = Not calculated

Zn 206.200†	-7.0	-0.344328 ug/L	0.9243998	-0.344328 ug/L	0.9243998	268.46%

QC value within limits for Zn 206.200 Recovery = Not calculated

All analyte(s) passed QC.

Analytical Sequence
Method: AQU_6010C_116

Seq.	Loc.	ID	Status
1	-1	Hg_ReAlign	
2	-1	Hg_ReAlign	
3	9	2E07042-SCV1	
4	1	2E07042-CCB	
5	10	2E07042-CRL1	
6	11	2E07042-IFA1	
7	12	2E07042-IFA2	
8	13	2E07042-IFB1	
9	14	2E07042-IFB2	
10	4	2E07042-CCV	
11	1	2E07042-CCB	
12	25	1205293-BLK1	
13	4	2E07042-CCV	
14	1	2E07042-CCB	QC Passed

Due 5-8

Calib: ZE09001
ZE09011 slp ZE09003 wtr

TRIMATRIX LABORATORIES

Metals Laboratory Instrument Run Sequence

Instrument #: 116
Date: 5-9-12
Analyst: KW

Data File: ZE09002 4/MD wtr OSP 5/8
Calibration BLK/ICB/CCB: 5%HNO3/51061/5%HCl/51122
Internal Standard #: 1081339

Autosampler Position:

1. BLK/CCB/2050084
2. STD 1/2040860
3. STD 2/2040861
4. STD3/CCV/2040862
5. STD4/2040863
9. DAILY SCV/CCV1/2050085
10. CRL/2040847
11. IFA1/2031153
12. IFA2/2030384
13. IFB1/2030091
14. IFB2/2030092

Analysis # / Position #	ID	Dilution			Analysis # / Position #	ID	Dilution		
		Initial Volume (mL)	Final Volume (mL)	Dilution Factor			Initial Volume (mL)	Final Volume (mL)	Dilution Factor
1/17	1205737-BLK1				35/51	1205075-04			
2/18	BS1				36/52	05			
3/19	1204454-01				37/53	06			
4/20	1205737-MS1				38/54	1205087-01			
5/21	MSD1				39/55	02			
6/22	SRD1				40/56	03			
7/23	PS1				41/57	04			
8/24	1204454-02				42/58	05			
9/25	1205481-BLK1				43/59	06			
10/26	BS1				44/60	07			
11/27	1204525-01				45/61	08			
12/28	MS1				46/62	09			
13/29	MSD1				47/63	10			
14/30	SRD1				48/64	11			
15/31	PS1				49/65	1205734-MS1			
16/32	1204525-02				50/66	MSD1			
17/33	03				51/67	SRD1			
18/34	1204526-01				52/68	PS1			
19/35	02				53/69	1205087-12			
20/36	03				54/70	1205114-01			
21/37	05				55/71	1205534-BLK1			
22/38	06				56/72	BS			
23/39	07				57/73	1205011-02			
24/40	1205733-BLK1				58/74	03			
25/41	BS1				59/75	04			
26/42	BSD1				60/76	05			
27/43	1205092-03				61/77	1205014-01			
28/44	08				62/78	02			
29/45	11			10	63/79	03			
30/46	12			10	64/80	04			
31/47	1205734-BLK1				65/81	05			
32/48	BS1				66/82	1205037-01			
33/49	1205074-01/1205075-01				67/83	02			
34/50	1205074-02/1205075-02				68/84	03			

Analysis Begun

Start Time: 5/9/2012 7:02:59 AM
Plasma On Time: 5/9/2012 6:23:03 AM
Logged In Analyst: analystME
Technique: ICP Continuous
Spectrometer Model: Optima 3300 RL, S/N 069N9060301Autosampler Model: AS-90

Sample Information File: C:\pe\Administrator\Sample Information\2E09002.sif
Batch ID:
Results Data Set: 2E09002
Results Library: C:\pe\Administrator\Results\Results.mdb

5/9/2012 7:04:36 AM Hg ReAlign... Actual peak offset (nm): -0.007
Drift (nm): -0.000 Slit adjustment: 0

Sequence No.: 2
Autosampler Location: 1
Sample ID: 2E09002-CAL1
Date Collected: 5/9/2012 7:04:38 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:

Replicate Data: 2E09002-CAL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	541350.9	541350.9	100.3	%	07:05:48
1	Y 371.029	688452.1	688452.1	100.4	%	07:05:48
1	Ag 328.068†	-433.2	-431.7	[0.00]	ug/L	07:05:53
1	Al 396.146†	645.8	643.6	[0.00]	ug/L	07:05:53
1	As 188.979†	0.7	0.7	[0.00]	ug/L	07:06:13
1	B 249.769†	421.0	419.6	[0.00]	ug/L	07:05:53
1	Ba 455.403†	238.1	237.3	[0.00]	ug/L	07:05:53
1	Be 234.863†	157.4	156.8	[0.00]	ug/L	07:06:13
1	Ca 315.874†	92.7	92.4	[0.00]	mg/L	07:05:53
1	Cd 214.436†	-56.1	-55.9	[0.00]	ug/L	07:06:13
1	Ce 413.764†	-16.3	-16.2	[0.00]	ug/L	07:05:53
1	Co 228.616†	-35.2	-35.1	[0.00]	ug/L	07:06:13
1	Cr 205.563†	41.1	41.0	[0.00]	ug/L	07:06:13
1	Cu 324.741†	-140.6	-140.2	[0.00]	ug/L	07:05:53
1	Fe 238.204†	181.9	181.3	[0.00]	ug/L	07:06:13
1	K 766.490†	2271.5	2263.9	[0.00]	mg/L	07:05:48
1	Li 670.784†	1931.4	1925.0	[0.00]	ug/L	07:05:48
1	Mg 279.071†	150.8	150.3	[0.00]	mg/L	07:05:53
1	Mn 257.610†	34.1	34.0	[0.00]	ug/L	07:05:53
1	Mo 202.031†	19.6	19.6	[0.00]	ug/L	07:06:13
1	Na 589.592†	570.9	569.0	[0.00]	mg/L	07:05:53
1	Ni 231.604†	-41.0	-40.8	[0.00]	ug/L	07:06:13
1	Pb 220.353†	-82.7	-82.4	[0.00]	ug/L	07:06:13
1	Sb 217.584†	9.6	9.6	[0.00]	ug/L	07:06:13
1	Se 196.026†	-20.8	-20.8	[0.00]	ug/L	07:06:13
1	Si 251.611†	541.9	540.1	[0.00]	ug/L	07:06:13
1	Sn 189.927†	-5.2	-5.1	[0.00]	ug/L	07:06:13
1	Sr 407.771†	1851.4	1845.2	[0.00]	ug/L	07:05:53
1	Ti 334.946†	1330.5	1326.0	[0.00]	ug/L	07:05:53
1	Tl 190.801†	-2.3	-2.3	[0.00]	ug/L	07:06:13
1	V 292.395†	-141.3	-140.8	[0.00]	ug/L	07:05:53
1	Zn 206.200†	56.2	56.0	[0.00]	ug/L	07:06:13
2	Sc 357.234	537739.8	537739.8	99.67	%	07:06:18
2	Y 371.029	683043.5	683043.5	99.61	%	07:06:18
2	Ag 328.068†	-465.7	-467.3	[0.00]	ug/L	07:06:24
2	Al 396.146†	553.8	555.7	[0.00]	ug/L	07:06:24
2	As 188.979†	6.8	6.9	[0.00]	ug/L	07:06:44
2	B 249.769†	452.9	454.4	[0.00]	ug/L	07:06:24
2	Ba 455.403†	326.0	327.1	[0.00]	ug/L	07:06:24
2	Be 234.863†	159.0	159.6	[0.00]	ug/L	07:06:44
2	Ca 315.874†	197.5	198.2	[0.00]	mg/L	07:06:24
2	Cd 214.436†	-55.6	-55.8	[0.00]	ug/L	07:06:44
2	Ce 413.764†	83.3	83.6	[0.00]	ug/L	07:06:24
2	Co 228.616†	-46.0	-46.2	[0.00]	ug/L	07:06:44

2	Cr 205.563†	27.1	27.2	[0.00] ug/L	07:06:44
2	Cu 324.741†	-167.5	-168.1	[0.00] ug/L	07:06:24
2	Fe 238.204†	157.7	158.2	[0.00] ug/L	07:06:44
2	K 766.490†	2190.3	2197.7	[0.00] mg/L	07:06:18
2	Li 670.784†	1858.1	1864.3	[0.00] ug/L	07:06:18
2	Mg 279.071†	204.9	205.6	[0.00] mg/L	07:06:24
2	Mn 257.610†	31.0	31.1	[0.00] ug/L	07:06:24
2	Mo 202.031†	0.5	0.5	[0.00] ug/L	07:06:44
2	Na 589.592†	525.6	527.3	[0.00] mg/L	07:06:24
2	Ni 231.604†	-17.5	-17.5	[0.00] ug/L	07:06:44
2	Pb 220.353†	-76.1	-76.4	[0.00] ug/L	07:06:44
2	Sb 217.584†	17.0	17.1	[0.00] ug/L	07:06:44
2	Se 196.026†	-21.6	-21.7	[0.00] ug/L	07:06:44
2	Si 251.611†	539.5	541.4	[0.00] ug/L	07:06:44
2	Sn 189.927†	-5.0	-5.0	[0.00] ug/L	07:06:44
2	Sr 407.771†	1868.5	1874.8	[0.00] ug/L	07:06:24
2	Ti 334.946†	1379.1	1383.7	[0.00] ug/L	07:06:24
2	Tl 190.801†	-0.9	-0.9	[0.00] ug/L	07:06:44
2	V 292.395†	-104.7	-105.1	[0.00] ug/L	07:06:24
2	Zn 206.200†	56.7	56.9	[0.00] ug/L	07:06:44

Mean Data: 2E09002-CAL1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	539545.3	2553.47	0.47%	100.00	%
Y 371.029	685747.8	3824.47	0.56%	100.0	%
Ag 328.068†	-449.5	25.13	5.59%	[0.00]	ug/L
Al 396.146†	599.6	62.19	10.37%	[0.00]	ug/L
As 188.979†	3.8	4.36	115.24%	[0.00]	ug/L
B 249.769†	437.0	24.63	5.63%	[0.00]	ug/L
Ba 455.403†	282.2	63.55	22.52%	[0.00]	ug/L
Be 234.863†	158.2	1.93	1.22%	[0.00]	ug/L
Ca 315.874†	145.3	74.78	51.48%	[0.00]	mg/L
Cd 214.436†	-55.8	0.08	0.14%	[0.00]	ug/L
Ce 413.764†	33.7	70.55	209.47%	[0.00]	ug/L
Co 228.616†	-40.6	7.87	19.38%	[0.00]	ug/L
Cr 205.563†	34.1	9.75	28.59%	[0.00]	ug/L
Cu 324.741†	-154.1	19.75	12.82%	[0.00]	ug/L
Fe 238.204†	169.7	16.31	9.61%	[0.00]	ug/L
K 766.490†	2230.8	46.82	2.10%	[0.00]	mg/L
Li 670.784†	1894.7	42.90	2.26%	[0.00]	ug/L
Mg 279.071†	177.9	39.12	21.99%	[0.00]	mg/L
Mn 257.610†	32.5	2.10	6.44%	[0.00]	ug/L
Mo 202.031†	10.0	13.47	134.25%	[0.00]	ug/L
Na 589.592†	548.1	29.46	5.37%	[0.00]	mg/L
Ni 231.604†	-29.2	16.47	56.43%	[0.00]	ug/L
Pb 220.353†	-79.4	4.27	5.38%	[0.00]	ug/L
Sb 217.584†	13.3	5.29	39.73%	[0.00]	ug/L
Se 196.026†	-21.2	0.62	2.93%	[0.00]	ug/L
Si 251.611†	540.7	0.86	0.16%	[0.00]	ug/L
Sn 189.927†	-5.1	0.10	1.98%	[0.00]	ug/L
Sr 407.771†	1860.0	20.93	1.13%	[0.00]	ug/L
Ti 334.946†	1354.9	40.79	3.01%	[0.00]	ug/L
Tl 190.801†	-1.6	0.97	61.38%	[0.00]	ug/L
V 292.395†	-123.0	25.27	20.55%	[0.00]	ug/L
Zn 206.200†	56.5	0.63	1.11%	[0.00]	ug/L

Sequence No.: 3
Sample ID: 2E09002-CAL2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 5/9/2012 7:07:56 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E09002-CAL2

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	542092.4	542092.4	100.5	%	07:09:05
1	Y 371.029	689412.0	689412.0	100.5	%	07:09:05
1	Ag 328.068†	-167.9	282.4	[5.00]	ug/L	07:09:10

1	Al 396.146†	1658.4	1050.9	[50.00]	ug/L	07:09:10
1	As 188.979†	57.6	53.5	[100.00]	ug/L	07:09:30
1	B 249.769†	2848.4	2398.0	[50.00]	ug/L	07:09:10
1	Ba 455.403†	7136.2	6820.4	[10.00]	ug/L	07:09:10
1	Be 234.863†	527.1	366.4	[1.00]	ug/L	07:09:30
1	Ca 315.874†	11710.5	11510.2	[0.500]	mg/L	07:09:10
1	Cd 214.436†	50.2	105.8	[5.00]	ug/L	07:09:30
1	Co 228.616†	50.6	91.0	[10.00]	ug/L	07:09:30
1	Cr 205.563†	133.6	98.9	[10.00]	ug/L	07:09:30
1	Cu 324.741†	69.8	223.6	[10.00]	ug/L	07:09:10
1	Fe 238.204†	381.3	209.7	[10.00]	ug/L	07:09:30
1	K 766.490†	3340.9	1094.4	[0.100]	mg/L	07:09:05
1	Li 670.784†	4381.2	2465.9	[8.00]	ug/L	07:09:05
1	Mg 279.071†	2178.2	1990.0	[0.500]	mg/L	07:09:10
1	Mn 257.610†	2129.9	2087.3	[10.00]	ug/L	07:09:10
1	Na 589.592†	8267.7	7680.7	[0.500]	mg/L	07:09:10
1	Ni 231.604†	99.6	128.3	[10.00]	ug/L	07:09:30
1	Pb 220.353†	26.1	105.4	[50.00]	ug/L	07:09:30
1	Sb 217.584†	64.5	50.9	[100.00]	ug/L	07:09:30
1	Se 196.026†	43.2	64.2	[100.00]	ug/L	07:09:30
1	Si 251.611†	1308.0	761.1	[100.00]	ug/L	07:09:10
1	Sn 189.927†	36.5	41.4	[100.00]	ug/L	07:09:30
1	Sr 407.771†	149038.3	146478.0	[50.00]	ug/L	07:09:05
1	Tl 190.801†	20.7	22.2	[100.00]	ug/L	07:09:30
1	V 292.395†	407.3	528.3	[10.00]	ug/L	07:09:10
1	Zn 206.200†	145.3	88.1	[10.00]	ug/L	07:09:30
2	Sc 357.234	553535.8	553535.8	102.6	%	07:09:35
2	Y 371.029	705515.8	705515.8	102.9	%	07:09:35
2	Ag 328.068†	-253.5	202.4	[5.00]	ug/L	07:09:41
2	Al 396.146†	1724.2	1081.0	[50.00]	ug/L	07:09:41
2	As 188.979†	48.6	43.6	[100.00]	ug/L	07:10:01
2	B 249.769†	2817.6	2309.3	[50.00]	ug/L	07:09:41
2	Ba 455.403†	7057.1	6596.6	[10.00]	ug/L	07:09:41
2	Be 234.863†	537.0	365.2	[1.00]	ug/L	07:10:01
2	Ca 315.874†	11664.8	11224.7	[0.500]	mg/L	07:09:41
2	Cd 214.436†	47.8	102.4	[5.00]	ug/L	07:10:01
2	Co 228.616†	63.7	102.7	[10.00]	ug/L	07:10:01
2	Cr 205.563†	112.3	75.3	[10.00]	ug/L	07:10:01
2	Cu 324.741†	35.3	188.6	[10.00]	ug/L	07:09:41
2	Fe 238.204†	362.0	183.2	[10.00]	ug/L	07:10:01
2	K 766.490†	3102.4	793.2	[0.100]	mg/L	07:09:35
2	Li 670.784†	4420.1	2413.7	[8.00]	ug/L	07:09:35
2	Mg 279.071†	2279.5	2044.0	[0.500]	mg/L	07:09:41
2	Mn 257.610†	2133.4	2047.0	[10.00]	ug/L	07:09:41
2	Na 589.592†	8169.3	7414.7	[0.500]	mg/L	07:09:41
2	Ni 231.604†	99.3	126.0	[10.00]	ug/L	07:10:01
2	Pb 220.353†	39.5	117.9	[50.00]	ug/L	07:10:01
2	Sb 217.584†	65.1	50.1	[100.00]	ug/L	07:10:01
2	Se 196.026†	40.8	61.0	[100.00]	ug/L	07:10:01
2	Si 251.611†	1292.9	719.5	[100.00]	ug/L	07:09:41
2	Sn 189.927†	41.3	45.3	[100.00]	ug/L	07:10:01
2	Sr 407.771†	149810.9	144164.5	[50.00]	ug/L	07:09:35
2	Tl 190.801†	18.4	19.5	[100.00]	ug/L	07:10:01
2	V 292.395†	403.3	516.1	[10.00]	ug/L	07:09:41
2	Zn 206.200†	148.1	87.9	[10.00]	ug/L	07:10:01

Mean Data: 2E09002-CAL2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	547814.1	8091.69	1.48%	101.5	%
Y 371.029	697463.9	11387.09	1.63%	101.7	%
Ag 328.068†	242.4	56.60	23.35%	[5.00]	ug/L
Al 396.146†	1065.9	21.23	1.99%	[50.00]	ug/L
As 188.979†	48.6	7.00	14.42%	[100.00]	ug/L
B 249.769†	2353.7	62.70	2.66%	[50.00]	ug/L
Ba 455.403†	6708.5	158.30	2.36%	[10.00]	ug/L
Be 234.863†	365.8	0.85	0.23%	[1.00]	ug/L
Ca 315.874†	11367.5	201.92	1.78%	[0.500]	mg/L
Cd 214.436†	104.1	2.41	2.32%	[5.00]	ug/L
Co 228.616†	96.8	8.28	8.55%	[10.00]	ug/L
Cr 205.563†	87.1	16.65	19.12%	[10.00]	ug/L

Cu 324.741†	206.1	24.77	12.02%	[10.00]	ug/L
Fe 238.204†	196.4	18.79	9.57%	[10.00]	ug/L
K 766.490†	943.8	213.00	22.57%	[0.100]	mg/L
Li 670.784†	2439.8	36.92	1.51%	[8.00]	ug/L
Mg 279.071†	2017.0	38.14	1.89%	[0.500]	mg/L
Mn 257.610†	2067.1	28.53	1.38%	[10.00]	ug/L
Na 589.592†	7547.7	188.10	2.49%	[0.500]	mg/L
Ni 231.604†	127.2	1.68	1.32%	[10.00]	ug/L
Pb 220.353†	111.6	8.86	7.94%	[50.00]	ug/L
Sb 217.584†	50.5	0.52	1.02%	[100.00]	ug/L
Se 196.026†	62.6	2.26	3.60%	[100.00]	ug/L
Si 251.611†	740.3	29.45	3.98%	[100.00]	ug/L
Sn 189.927†	43.4	2.82	6.51%	[100.00]	ug/L
Sr 407.771†	145321.2	1635.92	1.13%	[50.00]	ug/L
Tl 190.801†	20.8	1.88	9.03%	[100.00]	ug/L
V 292.395†	522.2	8.65	1.66%	[10.00]	ug/L
Zn 206.200†	88.0	0.18	0.20%	[10.00]	ug/L

Sequence No.: 4
Sample ID: 2E09002-CAL3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 5/9/2012 7:11:14 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E09002-CAL3

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	544237.1	544237.1	100.9	%	07:12:27
1	Y 371.029	692060.3	692060.3	100.9	%	07:12:27
1	Ag 328.068†	3715.8	4133.2	[100.00]	ug/L	07:12:27
1	Al 396.146†	7541.3	6876.7	[500.00]	ug/L	07:12:27
1	As 188.979†	177.5	172.2	[500.00]	ug/L	07:12:48
1	B 249.769†	4680.6	4203.2	[100.00]	ug/L	07:12:27
1	Ba 455.403†	53322.1	52580.2	[100.00]	ug/L	07:12:27
1	Be 234.863†	3106.3	2921.3	[10.00]	ug/L	07:12:48
1	Ca 315.874†	17811.5	17512.7	[1.00]	mg/L	07:12:27
1	Cd 214.436†	1735.6	1776.5	[100.00]	ug/L	07:12:48
1	Co 228.616†	700.9	735.5	[100.00]	ug/L	07:12:48
1	Cr 205.563†	629.3	589.8	[100.00]	ug/L	07:12:48
1	Cu 324.741†	1288.4	1431.4	[100.00]	ug/L	07:12:27
1	Fe 238.204†	1628.3	1444.6	[100.00]	ug/L	07:12:48
1	K 766.490†	8496.3	6192.3	[1.00]	mg/L	07:12:27
1	Li 670.784†	26279.5	24158.3	[100.00]	ug/L	07:12:27
1	Mg 279.071†	3490.8	3282.8	[1.00]	mg/L	07:12:27
1	Mn 257.610†	16379.0	16205.2	[100.00]	ug/L	07:12:27
1	Mo 202.031†	331.8	318.9	[100.00]	ug/L	07:12:48
1	Na 589.592†	13016.0	12355.7	[1.00]	mg/L	07:12:27
1	Ni 231.604†	920.4	941.7	[100.00]	ug/L	07:12:48
1	Pb 220.353†	88.0	166.7	[100.00]	ug/L	07:12:48
1	Sb 217.584†	241.6	226.2	[500.00]	ug/L	07:12:48
1	Se 196.026†	192.2	211.8	[500.00]	ug/L	07:12:48
1	Si 251.611†	4040.2	3464.6	[500.00]	ug/L	07:12:48
1	Sn 189.927†	211.6	214.9	[500.00]	ug/L	07:12:48
1	Sr 407.771†	236972.7	233069.8	[100.00]	ug/L	07:12:27
1	Ti 334.946†	22111.3	20565.9	[100.00]	ug/L	07:12:27
1	Tl 190.801†	82.4	83.3	[500.00]	ug/L	07:12:48
1	V 292.395†	3993.0	4081.6	[100.00]	ug/L	07:12:27
1	Zn 206.200†	732.3	669.5	[100.00]	ug/L	07:12:48
2	Sc 357.234	547189.3	547189.3	101.4	%	07:12:54
2	Y 371.029	696104.8	696104.8	101.5	%	07:12:54
2	Ag 328.068†	3803.0	4199.4	[100.00]	ug/L	07:12:54
2	Al 396.146†	7471.3	6767.3	[500.00]	ug/L	07:12:54
2	As 188.979†	170.8	164.7	[500.00]	ug/L	07:13:14
2	B 249.769†	4616.0	4114.5	[100.00]	ug/L	07:12:54
2	Ba 455.403†	52996.9	51974.3	[100.00]	ug/L	07:12:54
2	Be 234.863†	3101.3	2899.8	[10.00]	ug/L	07:13:14
2	Ca 315.874†	17811.1	17417.0	[1.00]	mg/L	07:12:54
2	Cd 214.436†	1737.6	1769.2	[100.00]	ug/L	07:13:14
2	Co 228.616†	699.9	730.8	[100.00]	ug/L	07:13:14
2	Cr 205.563†	632.9	590.0	[100.00]	ug/L	07:13:14

2	Cu 324.741†	1267.6	1404.0	[100.00]	ug/L	07:12:54
2	Fe 238.204†	1627.4	1434.9	[100.00]	ug/L	07:13:14
2	K 766.490†	8283.4	5936.9	[1.00]	mg/L	07:12:54
2	Li 670.784†	26185.7	23925.3	[100.00]	ug/L	07:12:54
2	Mg 279.071†	3540.1	3312.7	[1.00]	mg/L	07:12:54
2	Mn 257.610†	16243.5	15984.0	[100.00]	ug/L	07:12:54
2	Mo 202.031†	329.7	315.0	[100.00]	ug/L	07:13:14
2	Na 589.592†	12883.5	12155.4	[1.00]	mg/L	07:12:54
2	Ni 231.604†	911.7	928.1	[100.00]	ug/L	07:13:14
2	Pb 220.353†	72.1	150.6	[100.00]	ug/L	07:13:14
2	Sb 217.584†	234.6	218.0	[500.00]	ug/L	07:13:14
2	Se 196.026†	185.2	203.8	[500.00]	ug/L	07:13:14
2	Si 251.611†	4067.0	3469.4	[500.00]	ug/L	07:13:14
2	Sn 189.927†	216.4	218.4	[500.00]	ug/L	07:13:14
2	Sr 407.771†	235036.4	229893.0	[100.00]	ug/L	07:12:54
2	Ti 334.946†	22057.5	20394.5	[100.00]	ug/L	07:12:54
2	Tl 190.801†	83.4	83.8	[500.00]	ug/L	07:13:14
2	V 292.395†	3956.1	4023.8	[100.00]	ug/L	07:12:54
2	Zn 206.200†	745.4	678.5	[100.00]	ug/L	07:13:14

Mean Data: 2E09002-CAL3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	545713.2	2087.48	0.38%	101.1	%
Y 371.029	694082.5	2859.83	0.41%	101.2	%
Ag 328.068†	4166.3	46.78	1.12%	[100.00]	ug/L
Al 396.146†	6822.0	77.37	1.13%	[500.00]	ug/L
As 188.979†	168.4	5.36	3.18%	[500.00]	ug/L
B 249.769†	4158.9	62.75	1.51%	[100.00]	ug/L
Ba 455.403†	52277.3	428.39	0.82%	[100.00]	ug/L
Be 234.863†	2910.5	15.20	0.52%	[10.00]	ug/L
Ca 315.874†	17464.8	67.63	0.39%	[1.00]	mg/L
Cd 214.436†	1772.9	5.17	0.29%	[100.00]	ug/L
Co 228.616†	733.1	3.31	0.45%	[100.00]	ug/L
Cr 205.563†	589.9	0.14	0.02%	[100.00]	ug/L
Cu 324.741†	1417.7	19.43	1.37%	[100.00]	ug/L
Fe 238.204†	1439.7	6.85	0.48%	[100.00]	ug/L
K 766.490†	6064.6	180.60	2.98%	[1.00]	mg/L
Li 670.784†	24041.8	164.75	0.69%	[100.00]	ug/L
Mg 279.071†	3297.7	21.15	0.64%	[1.00]	mg/L
Mn 257.610†	16094.6	156.41	0.97%	[100.00]	ug/L
Mo 202.031†	317.0	2.72	0.86%	[100.00]	ug/L
Na 589.592†	12255.5	141.63	1.16%	[1.00]	mg/L
Ni 231.604†	934.9	9.59	1.03%	[100.00]	ug/L
Pb 220.353†	158.6	11.39	7.18%	[100.00]	ug/L
Sb 217.584†	222.1	5.81	2.62%	[500.00]	ug/L
Se 196.026†	207.8	5.63	2.71%	[500.00]	ug/L
Si 251.611†	3467.0	3.41	0.10%	[500.00]	ug/L
Sn 189.927†	216.6	2.51	1.16%	[500.00]	ug/L
Sr 407.771†	231481.4	2246.31	0.97%	[100.00]	ug/L
Ti 334.946†	20480.2	121.20	0.59%	[100.00]	ug/L
Tl 190.801†	83.6	0.35	0.42%	[500.00]	ug/L
V 292.395†	4052.7	40.82	1.01%	[100.00]	ug/L
Zn 206.200†	674.0	6.39	0.95%	[100.00]	ug/L

Sequence No.: 5
Sample ID: 2E09002-CAL4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/9/2012 7:14:27 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E09002-CAL4

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	540501.7	540501.7	100.2	%	07:15:42
1	Y 371.029	690968.6	690968.6	100.8	%	07:15:42
1	Ag 328.068†	20272.1	20685.7	[500.00]	ug/L	07:15:47
1	Al 396.146†	33619.8	32960.7	[2500.00]	ug/L	07:15:47
1	As 188.979†	871.7	866.4	[2500.00]	ug/L	07:16:07

1	B 249.769†	20746.7	20272.9	[500.00]	ug/L	07:15:47
1	Ba 455.403†	263595.3	262846.6	[500.00]	ug/L	07:15:42
1	Be 234.863†	14800.6	14616.2	[50.00]	ug/L	07:15:47
1	Ca 315.874†	87596.3	87296.0	[5.00]	mg/L	07:15:47
1	Cd 214.436†	8838.5	8878.7	[500.00]	ug/L	07:15:47
1	Co 228.616†	3686.7	3720.8	[500.00]	ug/L	07:16:07
1	Cr 205.563†	3025.4	2985.9	[500.00]	ug/L	07:16:07
1	Cu 324.741†	7150.4	7291.8	[500.00]	ug/L	07:15:47
1	Fe 238.204†	7538.2	7355.2	[500.00]	ug/L	07:15:47
1	K 766.490†	32003.7	29716.3	[5.00]	mg/L	07:15:42
1	Li 670.784†	122137.4	120026.6	[500.00]	ug/L	07:15:42
1	Mg 279.071†	17040.1	16832.0	[5.00]	mg/L	07:15:47
1	Mn 257.610†	82121.3	81943.5	[500.00]	ug/L	07:15:47
1	Mo 202.031†	1665.1	1652.1	[500.00]	ug/L	07:16:07
1	Na 589.592†	61422.4	60765.6	[5.00]	mg/L	07:15:42
1	Ni 231.604†	4619.9	4640.9	[500.00]	ug/L	07:15:47
1	Pb 220.353†	664.3	742.5	[500.00]	ug/L	07:16:07
1	Sb 217.584†	1187.9	1172.4	[2500.00]	ug/L	07:16:07
1	Se 196.026†	960.3	979.8	[2500.00]	ug/L	07:16:07
1	Si 251.611†	18038.8	17466.1	[2500.00]	ug/L	07:15:47
1	Sn 189.927†	1085.3	1088.5	[2500.00]	ug/L	07:16:07
1	Sr 407.771†	1161046.2	1157131.8	[500.00]	ug/L	07:15:42
1	Ti 334.946†	107507.6	105962.5	[500.00]	ug/L	07:15:47
1	Tl 190.801†	415.0	415.8	[2500.00]	ug/L	07:16:07
1	V 292.395†	20949.1	21035.0	[500.00]	ug/L	07:15:47
1	Zn 206.200†	3408.4	3345.9	[500.00]	ug/L	07:16:07
2	Sc 357.234	538528.8	538528.8	99.81	%	07:16:15
2	Y 371.029	688392.1	688392.1	100.4	%	07:16:15
2	Ag 328.068†	20392.8	20880.8	[500.00]	ug/L	07:16:20
2	Al 396.146†	33733.6	33197.6	[2500.00]	ug/L	07:16:20
2	As 188.979†	863.4	861.2	[2500.00]	ug/L	07:16:40
2	B 249.769†	20863.2	20465.5	[500.00]	ug/L	07:16:20
2	Ba 455.403†	262265.6	262478.4	[500.00]	ug/L	07:16:15
2	Be 234.863†	14857.1	14726.9	[50.00]	ug/L	07:16:20
2	Ca 315.874†	87598.2	87618.3	[5.00]	mg/L	07:16:20
2	Cd 214.436†	8901.5	8974.1	[500.00]	ug/L	07:16:20
2	Co 228.616†	3726.6	3774.2	[500.00]	ug/L	07:16:40
2	Cr 205.563†	3057.1	3028.7	[500.00]	ug/L	07:16:40
2	Cu 324.741†	7179.6	7347.3	[500.00]	ug/L	07:16:20
2	Fe 238.204†	7591.8	7436.4	[500.00]	ug/L	07:16:20
2	K 766.490†	31672.2	29501.2	[5.00]	mg/L	07:16:15
2	Li 670.784†	121566.0	119900.8	[500.00]	ug/L	07:16:15
2	Mg 279.071†	17100.7	16955.1	[5.00]	mg/L	07:16:20
2	Mn 257.610†	82288.9	82411.7	[500.00]	ug/L	07:16:20
2	Mo 202.031†	1666.8	1659.9	[500.00]	ug/L	07:16:40
2	Na 589.592†	61091.9	60659.1	[5.00]	mg/L	07:16:15
2	Ni 231.604†	4677.8	4715.8	[500.00]	ug/L	07:16:20
2	Pb 220.353†	645.5	726.1	[500.00]	ug/L	07:16:40
2	Sb 217.584†	1194.7	1183.6	[2500.00]	ug/L	07:16:40
2	Se 196.026†	958.3	981.3	[2500.00]	ug/L	07:16:40
2	Si 251.611†	17980.7	17473.9	[2500.00]	ug/L	07:16:20
2	Sn 189.927†	1092.1	1099.2	[2500.00]	ug/L	07:16:40
2	Sr 407.771†	1154468.9	1154788.0	[500.00]	ug/L	07:16:15
2	Ti 334.946†	107606.0	106454.2	[500.00]	ug/L	07:16:20
2	Tl 190.801†	426.7	429.1	[2500.00]	ug/L	07:16:40
2	V 292.395†	20958.3	21120.9	[500.00]	ug/L	07:16:20
2	Zn 206.200†	3432.3	3382.4	[500.00]	ug/L	07:16:40

Mean Data: 2E09002-CAL4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	539515.3	1395.07	0.26%	99.99	%
Y 371.029	689680.4	1821.90	0.26%	100.6	%
Ag 328.068†	20783.3	137.95	0.66%	[500.00]	ug/L
Al 396.146†	33079.1	167.57	0.51%	[2500.00]	ug/L
As 188.979†	863.8	3.66	0.42%	[2500.00]	ug/L
B 249.769†	20369.2	136.19	0.67%	[500.00]	ug/L
Ba 455.403†	262662.5	260.35	0.10%	[500.00]	ug/L
Be 234.863†	14671.6	78.25	0.53%	[50.00]	ug/L
Ca 315.874†	87457.1	227.88	0.26%	[5.00]	mg/L
Cd 214.436†	8926.4	67.51	0.76%	[500.00]	ug/L

Co 228.616†	3747.5	37.79	1.01%	[500.00] ug/L
Cr 205.563†	3007.3	30.27	1.01%	[500.00] ug/L
Cu 324.741†	7319.6	39.23	0.54%	[500.00] ug/L
Fe 238.204†	7395.8	57.45	0.78%	[500.00] ug/L
K 766.490†	29608.8	152.06	0.51%	[5.00] mg/L
Li 670.784†	119963.7	88.91	0.07%	[500.00] ug/L
Mg 279.071†	16893.5	87.02	0.52%	[5.00] mg/L
Mn 257.610†	82177.6	331.08	0.40%	[500.00] ug/L
Mo 202.031†	1656.0	5.51	0.33%	[500.00] ug/L
Na 589.592†	60712.3	75.30	0.12%	[5.00] mg/L
Ni 231.604†	4678.4	52.95	1.13%	[500.00] ug/L
Pb 220.353†	734.3	11.62	1.58%	[500.00] ug/L
Sb 217.584†	1178.0	7.91	0.67%	[2500.00] ug/L
Se 196.026†	980.6	1.07	0.11%	[2500.00] ug/L
Si 251.611†	17470.0	5.49	0.03%	[2500.00] ug/L
Sn 189.927†	1093.9	7.61	0.70%	[2500.00] ug/L
Sr 407.771†	1155959.9	1657.29	0.14%	[500.00] ug/L
Ti 334.946†	106208.3	347.72	0.33%	[500.00] ug/L
Tl 190.801†	422.5	9.40	2.22%	[2500.00] ug/L
V 292.395†	21077.9	60.72	0.29%	[500.00] ug/L
Zn 206.200†	3364.1	25.76	0.77%	[500.00] ug/L

Sequence No.: 6
Sample ID: 2E09002-CAL5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 5/9/2012 7:17:54 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E09002-CAL5

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Analysis Time
1	Sc 357.234	540652.0	540652.0	100.2	%	07:19:08
1	Y 371.029	691850.3	691850.3	100.9	%	07:19:08
1	Ag 328.068†	41306.3	41671.2	[1000.00]	ug/L	07:19:13
1	Al 396.146†	65748.8	65014.6	[5000.00]	ug/L	07:19:13
1	As 188.979†	1719.1	1711.8	[5000.00]	ug/L	07:19:34
1	B 249.769†	40836.0	40315.4	[1000.00]	ug/L	07:19:13
1	Ba 455.403†	523277.7	521924.4	[1000.00]	ug/L	07:19:08
1	Be 234.863†	29710.2	29491.2	[100.00]	ug/L	07:19:13
1	Ca 315.874†	174133.0	173631.3	[10.00]	mg/L	07:19:13
1	Cd 214.436†	18225.3	18243.9	[1000.00]	ug/L	07:19:34
1	Ce 413.764†	7104.0	7055.8	[1000.00]	ug/L	07:19:13
1	Co 228.616†	7453.0	7478.4	[1000.00]	ug/L	07:19:34
1	Cr 205.563†	6096.6	6050.0	[1000.00]	ug/L	07:19:34
1	Cu 324.741†	14525.2	14649.6	[1000.00]	ug/L	07:19:13
1	Fe 238.204†	14994.9	14794.4	[1000.00]	ug/L	07:19:13
1	K 766.490†	61887.2	59529.8	[10.00]	mg/L	07:19:13
1	Li 670.784†	241716.9	239327.5	[1000.00]	ug/L	07:19:08
1	Mg 279.071†	34049.4	33801.7	[10.00]	mg/L	07:19:13
1	Mn 257.610†	164097.5	163729.1	[1000.00]	ug/L	07:19:13
1	Mo 202.031†	3314.4	3297.6	[1000.00]	ug/L	07:19:34
1	Na 589.592†	123179.4	122379.1	[10.00]	mg/L	07:19:13
1	Ni 231.604†	9505.7	9515.5	[1000.00]	ug/L	07:19:34
1	Pb 220.353†	1424.5	1501.0	[1000.00]	ug/L	07:19:34
1	Sb 217.584†	2372.9	2354.8	[5000.00]	ug/L	07:19:34
1	Se 196.026†	1916.9	1934.2	[5000.00]	ug/L	07:19:34
1	Si 251.611†	35064.6	34452.1	[5000.00]	ug/L	07:19:13
1	Sn 189.927†	2172.2	2172.8	[5000.00]	ug/L	07:19:34
1	Sr 407.771†	2297654.2	2291091.2	[1000.00]	ug/L	07:19:08
1	Ti 334.946†	213364.1	211572.5	[1000.00]	ug/L	07:19:13
1	Tl 190.801†	846.3	846.1	[5000.00]	ug/L	07:19:34
1	V 292.395†	41975.6	42012.7	[1000.00]	ug/L	07:19:13
1	Zn 206.200†	6807.3	6736.9	[1000.00]	ug/L	07:19:34
2	Sc 357.234	542966.9	542966.9	100.6	%	07:19:42
2	Y 371.029	695353.2	695353.2	101.4	%	07:19:42
2	Ag 328.068†	41085.0	41275.6	[1000.00]	ug/L	07:19:48
2	Al 396.146†	65372.2	64360.6	[5000.00]	ug/L	07:19:48
2	As 188.979†	1713.7	1699.1	[5000.00]	ug/L	07:20:08
2	B 249.769†	40949.6	40254.6	[1000.00]	ug/L	07:19:48
2	Ba 455.403†	524513.3	520925.8	[1000.00]	ug/L	07:19:42

2	Be 234.863†	29553.3	29208.9	[100.00]	ug/L	07:19:48
2	Ca 315.874†	173228.8	171991.9	[10.00]	mg/L	07:19:48
2	Cd 214.436†	18151.1	18092.5	[1000.00]	ug/L	07:20:08
2	Ce 413.764†	7071.3	6993.0	[1000.00]	ug/L	07:19:48
2	Co 228.616†	7390.9	7385.0	[1000.00]	ug/L	07:20:08
2	Cr 205.563†	6023.8	5951.8	[1000.00]	ug/L	07:20:08
2	Cu 324.741†	14521.9	14584.6	[1000.00]	ug/L	07:19:48
2	Fe 238.204†	14931.2	14667.4	[1000.00]	ug/L	07:19:48
2	K 766.490†	61744.5	59124.6	[10.00]	mg/L	07:19:48
2	Li 670.784†	242269.0	238847.6	[1000.00]	ug/L	07:19:42
2	Mg 279.071†	33896.0	33504.5	[10.00]	mg/L	07:19:48
2	Mn 257.610†	163472.8	162410.1	[1000.00]	ug/L	07:19:48
2	Mo 202.031†	3318.0	3287.0	[1000.00]	ug/L	07:20:08
2	Na 589.592†	122983.5	121660.3	[10.00]	mg/L	07:19:48
2	Ni 231.604†	9458.7	9428.3	[1000.00]	ug/L	07:20:08
2	Pb 220.353†	1418.5	1489.0	[1000.00]	ug/L	07:20:08
2	Sb 217.584†	2368.6	2340.4	[5000.00]	ug/L	07:20:08
2	Se 196.026†	1907.6	1916.8	[5000.00]	ug/L	07:20:08
2	Si 251.611†	34919.9	34159.1	[5000.00]	ug/L	07:19:48
2	Sn 189.927†	2168.8	2160.2	[5000.00]	ug/L	07:20:08
2	Sr 407.771†	2309192.8	2292781.2	[1000.00]	ug/L	07:19:42
2	Ti 334.946†	212561.2	209866.9	[1000.00]	ug/L	07:19:48
2	Tl 190.801†	847.4	843.6	[5000.00]	ug/L	07:20:08
2	V 292.395†	41933.6	41792.4	[1000.00]	ug/L	07:19:48
2	Zn 206.200†	6781.3	6682.1	[1000.00]	ug/L	07:20:08

Mean Data: 2E09002-CAL5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Sc 357.234	541809.4	1636.90	0.30%	100.4	%
Y 371.029	693601.7	2476.96	0.36%	101.1	%
Ag 328.068†	41473.4	279.79	0.67%	[1000.00]	ug/L
Al 396.146†	64687.6	462.46	0.71%	[5000.00]	ug/L
As 188.979†	1705.5	8.95	0.52%	[5000.00]	ug/L
B 249.769†	40285.0	43.00	0.11%	[1000.00]	ug/L
Ba 455.403†	521425.1	706.12	0.14%	[1000.00]	ug/L
Be 234.863†	29350.0	199.61	0.68%	[100.00]	ug/L
Ca 315.874†	172811.6	1159.26	0.67%	[10.00]	mg/L
Cd 214.436†	18168.2	107.01	0.59%	[1000.00]	ug/L
Ce 413.764†	7024.4	44.36	0.63%	[1000.00]	ug/L
Co 228.616†	7431.7	66.04	0.89%	[1000.00]	ug/L
Cr 205.563†	6000.9	69.45	1.16%	[1000.00]	ug/L
Cu 324.741†	14617.1	45.98	0.31%	[1000.00]	ug/L
Fe 238.204†	14730.9	89.86	0.61%	[1000.00]	ug/L
K 766.490†	59327.2	286.47	0.48%	[10.00]	mg/L
Li 670.784†	239087.6	339.33	0.14%	[1000.00]	ug/L
Mg 279.071†	33653.1	210.18	0.62%	[10.00]	mg/L
Mn 257.610†	163069.6	932.64	0.57%	[1000.00]	ug/L
Mo 202.031†	3292.3	7.44	0.23%	[1000.00]	ug/L
Na 589.592†	122019.7	508.28	0.42%	[10.00]	mg/L
Ni 231.604†	9471.9	61.66	0.65%	[1000.00]	ug/L
Pb 220.353†	1495.0	8.50	0.57%	[1000.00]	ug/L
Sb 217.584†	2347.6	10.18	0.43%	[5000.00]	ug/L
Se 196.026†	1925.5	12.33	0.64%	[5000.00]	ug/L
Si 251.611†	34305.6	207.14	0.60%	[5000.00]	ug/L
Sn 189.927†	2166.5	8.93	0.41%	[5000.00]	ug/L
Sr 407.771†	2291936.2	1194.98	0.05%	[1000.00]	ug/L
Ti 334.946†	210719.7	1206.08	0.57%	[1000.00]	ug/L
Tl 190.801†	844.9	1.77	0.21%	[5000.00]	ug/L
V 292.395†	41902.5	155.78	0.37%	[1000.00]	ug/L
Zn 206.200†	6709.5	38.73	0.58%	[1000.00]	ug/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Ag 328.068	4	Lin, Calc Int	23.1	41.46	0.00000	0.999999	
Al 396.146	4	Lin, Calc Int	335.5	12.92	0.00000	0.999939	
As 188.979	4	Lin, Calc Int	5.6	0.3406	0.00000	0.999948	
B 249.769	4	Lin, Calc Int	179.0	40.16	0.00000	0.999967	
Ba 455.403	4	Lin, Calc Int	780.5	521.2	0.00000	0.999991	

Be 234.863	4	Lin, Calc Int	16.6	293.3	0.00000	0.999996
Ca 315.874	4	Lin, Calc Int	1080.6	17190	0.00000	0.999885
Cd 214.436	4	Lin, Calc Int	-27.9	18.14	0.00000	0.999961
Ce 413.764	1	Lin, Calc Int	0.0	7.024	0.00000	1.000000
Co 228.616	4	Lin, Calc Int	8.5	7.433	0.00000	0.999985
Cr 205.563	4	Lin, Calc Int	6.9	5.994	0.00000	0.999986
Cu 324.741	4	Lin, Calc Int	8.4	14.61	0.00000	0.999983
Fe 238.204	4	Lin, Calc Int	10.3	14.73	0.00000	0.999988
K 766.490	4	Lin, Calc Int	149.9	5913	0.00000	0.999985
Li 670.784	4	Lin, Calc Int	267.9	238.9	0.00000	0.999997
Mg 279.071	4	Lin, Calc Int	97.4	3356	0.00000	0.999943
Mn 257.610	4	Lin, Calc Int	162.3	163.1	0.00000	0.999987
Mo 202.031	3	Lin, Calc Int	-3.6	3.300	0.00000	0.999984
Na 589.592	4	Lin, Calc Int	455.6	12140	0.00000	0.999925
Ni 231.604	4	Lin, Calc Int	0.2	9.448	0.00000	0.999971
Pb 220.353	4	Lin, Calc Int	13.3	1.475	0.00000	0.999647
Sb 217.584	4	Lin, Calc Int	-2.1	0.4702	0.00000	0.999978
Se 196.026	4	Lin, Calc Int	14.8	0.3830	0.00000	0.999926
Si 251.611	4	Lin, Calc Int	67.8	6.870	0.00000	0.999960
Sn 189.927	4	Lin, Calc Int	1.3	0.4338	0.00000	0.999988
Sr 407.771	4	Lin, Calc Int	12015.9	2282	0.00000	0.999919
Ti 334.946	3	Lin, Calc Int	-105.1	211.1	0.00000	0.999983
Tl 190.801	4	Lin, Calc Int	1.0	0.1687	0.00000	0.999987
V 292.395	4	Lin, Calc Int	9.4	41.93	0.00000	0.999983
Zn 206.200	4	Lin, Calc Int	9.1	6.702	0.00000	0.999996

Sequence No.: 7
Sample ID: 2E09002-SCV1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 5/9/2012 7:21:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E09002-SCV1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	540273.8	540273.8	100.1	%			07:22:35
1	Y 371.029	690545.4	690545.4	100.7	%			07:22:35
1	Ag 328.068†	20097.7	20520.1	494.788	ug/L	494.788	ug/L	07:22:40
1	Al 396.146†	32797.5	32153.6	2450.60	ug/L	2450.60	ug/L	07:22:40
1	As 188.979†	852.5	847.6	2463.88	ug/L	2463.88	ug/L	07:23:00
1	B 249.769†	20633.0	20168.1	496.943	ug/L	496.943	ug/L	07:22:40
1	Ba 455.403†	255601.5	254974.6	487.700	ug/L	487.700	ug/L	07:22:35
1	Be 234.863†	14450.8	14273.1	48.5536	ug/L	48.5536	ug/L	07:22:40
1	Ca 315.874†	86177.4	85916.0	4.93406	mg/L	4.93406	mg/L	07:22:40
1	Cd 214.436†	8674.4	8718.5	482.216	ug/L	482.216	ug/L	07:22:40
1	Ce 413.764†	145.4	111.5	15.9627	ug/L	15.9627	ug/L	07:22:40
1	Co 228.616†	3589.6	3625.3	486.269	ug/L	486.269	ug/L	07:23:00
1	Cr 205.563†	2978.7	2940.6	488.656	ug/L	488.656	ug/L	07:23:00
1	Cu 324.741†	7120.1	7264.6	497.714	ug/L	497.714	ug/L	07:22:40
1	Fe 238.204†	7631.5	7451.4	505.230	ug/L	505.230	ug/L	07:22:40
1	K 766.490†	31100.2	28827.5	4.85015	mg/L	4.85015	mg/L	07:22:35
1	Li 670.784†	119888.3	117832.0	492.050	ug/L	492.050	ug/L	07:22:35
1	Mg 279.071†	16722.2	16521.7	4.89397	mg/L	4.89397	mg/L	07:22:40
1	Mn 257.610†	80963.8	80822.1	494.757	ug/L	494.757	ug/L	07:22:40
1	Mo 202.031†	1613.0	1600.8	485.123	ug/L	485.123	ug/L	07:23:00
1	Na 589.592†	59965.2	59336.2	4.85141	mg/L	4.85141	mg/L	07:22:35
1	Ni 231.604†	4570.0	4593.0	486.142	ug/L	486.142	ug/L	07:22:40
1	Pb 220.353†	656.9	735.5	491.597	ug/L	491.597	ug/L	07:23:00
1	Sb 217.584†	992.9	978.3	2090.03	ug/L	2090.03	ug/L	07:23:00
1	Se 196.026†	925.4	945.4	2427.59	ug/L	2427.59	ug/L	07:23:00
1	Si 251.611†	18746.2	18180.2	2602.94	ug/L	2602.94	ug/L	07:22:40
1	Sn 189.927†	1054.4	1058.1	2437.59	ug/L	2437.59	ug/L	07:23:00
1	Sr 407.771†	1129250.9	1125868.2	487.713	ug/L	487.713	ug/L	07:22:35
1	Ti 334.946†	105816.1	104318.6	494.564	ug/L	494.564	ug/L	07:22:40
1	Tl 190.801†	417.3	418.3	2474.90	ug/L	2474.90	ug/L	07:23:00
1	V 292.395†	20667.0	20762.1	498.708	ug/L	498.708	ug/L	07:22:40
1	Zn 206.200†	3336.4	3275.4	486.338	ug/L	486.338	ug/L	07:23:00
2	Sc 357.234	534715.0	534715.0	99.10	%			07:23:08
2	Y 371.029	682808.5	682808.5	99.57	%			07:23:08
2	Ag 328.068†	20038.1	20668.6	498.343	ug/L	498.343	ug/L	07:23:13

2	Al 396.146†	32687.8	32383.5	2466.83 ug/L	2466.83 ug/L	07:23:13
2	As 188.979†	835.5	839.2	2439.27 ug/L	2439.27 ug/L	07:23:33
2	B 249.769†	20608.0	20357.1	501.643 ug/L	501.643 ug/L	07:23:13
2	Ba 455.403†	256628.1	258664.1	494.777 ug/L	494.777 ug/L	07:23:08
2	Be 234.863†	14400.1	14371.9	48.8902 ug/L	48.8902 ug/L	07:23:13
2	Ca 315.874†	86296.5	86930.7	4.99308 mg/L	4.99308 mg/L	07:23:13
2	Cd 214.436†	8735.8	8870.6	490.599 ug/L	490.599 ug/L	07:23:13
2	Ce 413.764†	82.6	49.6	7.15431 ug/L	7.15431 ug/L	07:23:13
2	Co 228.616†	3582.3	3655.3	490.309 ug/L	490.309 ug/L	07:23:33
2	Cr 205.563†	2985.2	2978.0	494.897 ug/L	494.897 ug/L	07:23:33
2	Cu 324.741†	7194.4	7413.5	507.919 ug/L	507.919 ug/L	07:23:13
2	Fe 238.204†	7608.3	7507.3	509.020 ug/L	509.020 ug/L	07:23:13
2	K 766.490†	30992.1	29041.3	4.88631 mg/L	4.88631 mg/L	07:23:08
2	Li 670.784†	120300.8	119492.9	499.003 ug/L	499.003 ug/L	07:23:08
2	Mg 279.071†	16606.2	16578.3	4.91085 mg/L	4.91085 mg/L	07:23:13
2	Mn 257.610†	81032.1	81731.6	500.337 ug/L	500.337 ug/L	07:23:13
2	Mo 202.031†	1640.9	1645.7	498.726 ug/L	498.726 ug/L	07:23:33
2	Na 589.592†	60170.4	60165.8	4.91976 mg/L	4.91976 mg/L	07:23:08
2	Ni 231.604†	4525.0	4595.1	486.388 ug/L	486.388 ug/L	07:23:13
2	Pb 220.353†	629.0	714.1	477.164 ug/L	477.164 ug/L	07:23:33
2	Sb 217.584†	992.8	988.5	2111.88 ug/L	2111.88 ug/L	07:23:33
2	Se 196.026†	916.6	946.1	2429.41 ug/L	2429.41 ug/L	07:23:33
2	Si 251.611†	18828.6	18458.0	2642.87 ug/L	2642.87 ug/L	07:23:13
2	Sn 189.927†	1058.6	1073.3	2472.59 ug/L	2472.59 ug/L	07:23:33
2	Sr 407.771†	1134275.8	1142662.3	495.062 ug/L	495.062 ug/L	07:23:08
2	Ti 334.946†	106140.8	105744.7	501.318 ug/L	501.318 ug/L	07:23:13
2	Tl 190.801†	417.4	422.8	2501.61 ug/L	2501.61 ug/L	07:23:33
2	V 292.395†	20555.1	20863.8	501.245 ug/L	501.245 ug/L	07:23:13
2	Zn 206.200†	3330.8	3304.5	490.653 ug/L	490.653 ug/L	07:23:33

Mean Data: 2E09002-SCV1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	537494.4	99.62	%	0.729				0.73%
Y 371.029	686677.0	100.1	%	0.80				0.80%
Ag 328.068†	20594.4	496.566	ug/L	2.5139	496.566	ug/L	2.5139	0.51%
QC value within limits for Ag 328.068 Recovery = 99.31%								
Al 396.146†	32268.6	2458.72	ug/L	11.475	2458.72	ug/L	11.475	0.47%
QC value within limits for Al 396.146 Recovery = 98.35%								
As 188.979†	843.4	2451.57	ug/L	17.401	2451.57	ug/L	17.401	0.71%
QC value within limits for As 188.979 Recovery = 98.06%								
B 249.769†	20262.6	499.293	ug/L	3.3231	499.293	ug/L	3.3231	0.67%
QC value within limits for B 249.769 Recovery = 99.86%								
Ba 455.403†	256819.4	491.238	ug/L	5.0040	491.238	ug/L	5.0040	1.02%
QC value within limits for Ba 455.403 Recovery = 98.25%								
Be 234.863†	14322.5	48.7219	ug/L	0.23806	48.7219	ug/L	0.23806	0.49%
QC value within limits for Be 234.863 Recovery = 97.44%								
Ca 315.874†	86423.3	4.96357	mg/L	0.041733	4.96357	mg/L	0.041733	0.84%
QC value within limits for Ca 315.874 Recovery = 99.27%								
Cd 214.436†	8794.6	486.408	ug/L	5.9272	486.408	ug/L	5.9272	1.22%
QC value within limits for Cd 214.436 Recovery = 97.28%								
Ce 413.764†	80.6	11.5585	ug/L	6.22850	11.5585	ug/L	6.22850	53.89%
Co 228.616†	3640.3	488.289	ug/L	2.8563	488.289	ug/L	2.8563	0.58%
QC value within limits for Co 228.616 Recovery = 97.66%								
Cr 205.563†	2959.3	491.776	ug/L	4.4134	491.776	ug/L	4.4134	0.90%
QC value within limits for Cr 205.563 Recovery = 98.36%								
Cu 324.741†	7339.1	502.816	ug/L	7.2161	502.816	ug/L	7.2161	1.44%
QC value within limits for Cu 324.741 Recovery = 100.56%								
Fe 238.204†	7479.3	507.125	ug/L	2.6799	507.125	ug/L	2.6799	0.53%
QC value within limits for Fe 238.204 Recovery = 101.42%								
K 766.490†	28934.4	4.86823	mg/L	0.025565	4.86823	mg/L	0.025565	0.53%
QC value within limits for K 766.490 Recovery = 97.36%								
Li 670.784†	118662.4	495.526	ug/L	4.9162	495.526	ug/L	4.9162	0.99%
QC value within limits for Li 670.784 Recovery = 99.11%								
Mg 279.071†	16550.0	4.90241	mg/L	0.011933	4.90241	mg/L	0.011933	0.24%
QC value within limits for Mg 279.071 Recovery = 98.05%								
Mn 257.610†	81276.8	497.547	ug/L	3.9456	497.547	ug/L	3.9456	0.79%
QC value within limits for Mn 257.610 Recovery = 99.51%								
Mo 202.031†	1623.3	491.925	ug/L	9.6190	491.925	ug/L	9.6190	1.96%
QC value within limits for Mo 202.031 Recovery = 98.38%								
Na 589.592†	59751.0	4.88559	mg/L	0.048333	4.88559	mg/L	0.048333	0.99%

QC value within limits for Na 589.592 Recovery = 97.71%						
Ni 231.604†	4594.1	486.265 ug/L	0.1739	486.265 ug/L	0.1739	0.04%
QC value within limits for Ni 231.604 Recovery = 97.25%						
Pb 220.353†	724.8	484.380 ug/L	10.2060	484.380 ug/L	10.2060	2.11%
QC value within limits for Pb 220.353 Recovery = 96.88%						
Sb 217.584†	983.4	2100.95 ug/L	15.453	2100.95 ug/L	15.453	0.74%
QC value less than the lower limit for Sb 217.584 Recovery = 84.04%						
Se 196.026†	945.7	2428.50 ug/L	1.288	2428.50 ug/L	1.288	0.05%
QC value within limits for Se 196.026 Recovery = 97.14%						
Si 251.611†	18319.1	2622.90 ug/L	28.229	2622.90 ug/L	28.229	1.08%
QC value within limits for Si 251.611 Recovery = 104.92%						
Sn 189.927†	1065.7	2455.09 ug/L	24.747	2455.09 ug/L	24.747	1.01%
QC value within limits for Sn 189.927 Recovery = 98.20%						
Sr 407.771†	1134265.2	491.388 ug/L	5.1961	491.388 ug/L	5.1961	1.06%
QC value within limits for Sr 407.771 Recovery = 98.28%						
Ti 334.946†	105031.6	497.941 ug/L	4.7760	497.941 ug/L	4.7760	0.96%
QC value within limits for Ti 334.946 Recovery = 99.59%						
Tl 190.801†	420.5	2488.25 ug/L	18.883	2488.25 ug/L	18.883	0.76%
QC value within limits for Tl 190.801 Recovery = 99.53%						
V 292.395†	20812.9	499.976 ug/L	1.7942	499.976 ug/L	1.7942	0.36%
QC value within limits for V 292.395 Recovery = 100.00%						
Zn 206.200†	3289.9	488.496 ug/L	3.0510	488.496 ug/L	3.0510	0.62%
QC value within limits for Zn 206.200 Recovery = 97.70%						

QC Failed. Continue with analysis.

Sequence No.: 8
Sample ID: 2E09002-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/9/2012 7:24:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E09002-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	550774.9	550774.9	102.1	%			07:25:57
1	Y 371.029	702241.1	702241.1	102.4	%			07:25:57
1	Ag 328.068†	-346.7	109.9	2.10803	ug/L	2.10803	ug/L	07:25:57
1	Al 396.146†	436.2	-172.3	-38.6589	ug/L	-38.6589	ug/L	07:25:57
1	As 188.979†	-0.4	-4.2	-28.4928	ug/L	-28.4928	ug/L	07:26:17
1	B 249.769†	770.9	318.1	3.46717	ug/L	3.46717	ug/L	07:26:17
1	Ba 455.403†	316.2	27.6	-1.44354	ug/L	-1.44354	ug/L	07:25:57
1	Be 234.863†	143.0	-18.1	-0.118025	ug/L	-0.118025	ug/L	07:26:17
1	Ca 315.874†	192.4	43.2	-0.0603359	mg/L	-0.0603359	mg/L	07:25:57
1	Cd 214.436†	-54.8	2.1	1.65861	ug/L	1.65861	ug/L	07:26:17
1	Ce 413.764†	68.0	32.9	4.68884	ug/L	4.68884	ug/L	07:25:57
1	Co 228.616†	-19.7	21.3	1.72979	ug/L	1.72979	ug/L	07:26:17
1	Cr 205.563†	52.5	17.3	1.73124	ug/L	1.73124	ug/L	07:26:17
1	Cu 324.741†	-148.3	8.8	0.0277308	ug/L	0.0277308	ug/L	07:25:57
1	Fe 238.204†	138.5	-34.0	-3.01057	ug/L	-3.01057	ug/L	07:26:17
1	K 766.490†	2391.2	111.7	-0.0064768	mg/L	-0.0064768	mg/L	07:25:57
1	Li 670.784†	2121.3	183.4	-0.354286	ug/L	-0.354286	ug/L	07:25:57
1	Mg 279.071†	139.2	-41.6	-0.0414193	mg/L	-0.0414193	mg/L	07:26:17
1	Mn 257.610†	88.4	54.1	-0.663936	ug/L	-0.663936	ug/L	07:26:17
1	Mo 202.031†	5.5	-4.7	-0.315893	ug/L	-0.315893	ug/L	07:26:17
1	Na 589.592†	544.8	-14.5	-0.0387356	mg/L	-0.0387356	mg/L	07:25:57
1	Ni 231.604†	-10.8	18.6	1.94153	ug/L	1.94153	ug/L	07:26:17
1	Pb 220.353†	-79.5	1.5	-7.99930	ug/L	-7.99930	ug/L	07:26:17
1	Sb 217.584†	17.2	3.5	11.8696	ug/L	11.8696	ug/L	07:26:17
1	Se 196.026†	-9.3	12.1	-6.92870	ug/L	-6.92870	ug/L	07:26:17
1	Si 251.611†	559.0	6.8	-8.88507	ug/L	-8.88507	ug/L	07:26:17
1	Sn 189.927†	-1.8	3.3	4.50341	ug/L	4.50341	ug/L	07:26:17
1	Sr 407.771†	1961.3	61.3	-5.23022	ug/L	-5.23022	ug/L	07:25:57
1	Ti 334.946†	1297.9	-83.5	0.102598	ug/L	0.102598	ug/L	07:25:57
1	Tl 190.801†	-0.6	1.0	-0.186953	ug/L	-0.186953	ug/L	07:26:17
1	V 292.395†	-135.4	-9.7	-0.458254	ug/L	-0.458254	ug/L	07:25:57
1	Zn 206.200†	60.4	2.7	-0.946270	ug/L	-0.946270	ug/L	07:26:17
2	Sc 357.234	552485.2	552485.2	102.4	%			07:26:23
2	Y 371.029	704775.8	704775.8	102.8	%			07:26:23
2	Ag 328.068†	-457.1	3.1	-0.525040	ug/L	-0.525040	ug/L	07:26:23
2	Al 396.146†	590.3	-23.2	-29.4602	ug/L	-29.4602	ug/L	07:26:23

2	As 188.979†	4.1	0.2	-15.5937 ug/L	-15.5937 ug/L	07:26:43
2	B 249.769†	704.2	250.6	1.78696 ug/L	1.78696 ug/L	07:26:43
2	Ba 455.403†	347.5	57.2	-1.39032 ug/L	-1.39032 ug/L	07:26:23
2	Be 234.863†	133.5	-27.8	-0.151085 ug/L	-0.151085 ug/L	07:26:43
2	Ca 315.874†	189.1	39.4	-0.0605537 mg/L	-0.0605537 mg/L	07:26:23
2	Cd 214.436†	-59.8	-2.6	1.39852 ug/L	1.39852 ug/L	07:26:43
2	Ce 413.764†	-57.2	-89.5	-12.7435 ug/L	-12.7435 ug/L	07:26:23
2	Co 228.616†	-40.5	1.1	-0.991958 ug/L	-0.991958 ug/L	07:26:43
2	Cr 205.563†	29.0	-5.7	-2.11058 ug/L	-2.11058 ug/L	07:26:43
2	Cu 324.741†	-68.0	87.7	5.42454 ug/L	5.42454 ug/L	07:26:23
2	Fe 238.204†	138.8	-34.2	-3.02305 ug/L	-3.02305 ug/L	07:26:43
2	K 766.490†	2262.3	-21.4	-0.0289822 mg/L	-0.0289822 mg/L	07:26:23
2	Li 670.784†	2252.1	304.7	0.155066 ug/L	0.155066 ug/L	07:26:23
2	Mg 279.071†	146.3	-35.1	-0.0394822 mg/L	-0.0394822 mg/L	07:26:43
2	Mn 257.610†	81.5	47.0	-0.707005 ug/L	-0.707005 ug/L	07:26:43
2	Mo 202.031†	9.8	-0.5	0.960737 ug/L	0.960737 ug/L	07:26:43
2	Na 589.592†	593.8	31.8	-0.0349229 mg/L	-0.0349229 mg/L	07:26:23
2	Ni 231.604†	-25.9	3.9	0.401644 ug/L	0.401644 ug/L	07:26:43
2	Pb 220.353†	-62.2	18.7	3.68069 ug/L	3.68069 ug/L	07:26:43
2	Sb 217.584†	5.4	-8.0	-12.6868 ug/L	-12.6868 ug/L	07:26:43
2	Se 196.026†	-4.6	16.7	5.15076 ug/L	5.15076 ug/L	07:26:43
2	Si 251.611†	531.8	-21.4	-13.0035 ug/L	-13.0035 ug/L	07:26:43
2	Sn 189.927†	1.7	6.7	12.4629 ug/L	12.4629 ug/L	07:26:43
2	Sr 407.771†	1841.7	-61.4	-5.29661 ug/L	-5.29661 ug/L	07:26:23
2	Ti 334.946†	1301.8	-83.5	0.102335 ug/L	0.102335 ug/L	07:26:23
2	Tl 190.801†	1.8	3.3	13.4512 ug/L	13.4512 ug/L	07:26:43
2	V 292.395†	-135.9	-9.7	-0.445156 ug/L	-0.445156 ug/L	07:26:23
2	Zn 206.200†	66.9	8.9	-0.0235814 ug/L	-0.0235814 ug/L	07:26:43

Mean Data: 2E09002-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	551630.0	102.2	%	0.22				0.22%
Y 371.029	703508.5	102.6	%	0.26				0.25%
Ag 328.068†	56.5	0.791493	ug/L	1.8618581	0.791493	ug/L	1.8618581	235.23%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	-97.8	-34.0596	ug/L	6.50449	-34.0596	ug/L	6.50449	19.10%
QC value within limits for Al 396.146 Recovery = Not calculated								
As 188.979†	-2.0	-22.0433	ug/L	9.12104	-22.0433	ug/L	9.12104	41.38%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	284.4	2.62707	ug/L	1.188087	2.62707	ug/L	1.188087	45.22%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	42.4	-1.41693	ug/L	0.037627	-1.41693	ug/L	0.037627	2.66%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	-23.0	-0.134555	ug/L	0.0233769	-0.134555	ug/L	0.0233769	17.37%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	41.3	-0.0604448	mg/L	0.00015402	-0.0604448	mg/L	0.00015402	0.25%
QC value within limits for Ca 315.874 Recovery = Not calculated								
Cd 214.436†	-0.2	1.52856	ug/L	0.183910	1.52856	ug/L	0.183910	12.03%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	-28.3	-4.02734	ug/L	12.326544	-4.02734	ug/L	12.326544	306.07%
Co 228.616†	11.2	0.368917	ug/L	1.9245681	0.368917	ug/L	1.9245681	521.68%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	5.8	-0.189671	ug/L	2.7165804	-0.189671	ug/L	2.7165804	>999.9%
QC value within limits for Cr 205.563 Recovery = Not calculated								
Cu 324.741†	48.3	2.72613	ug/L	3.816119	2.72613	ug/L	3.816119	139.98%
QC value within limits for Cu 324.741 Recovery = Not calculated								
Fe 238.204†	-34.1	-3.01681	ug/L	0.008824	-3.01681	ug/L	0.008824	0.29%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	45.1	-0.0177295	mg/L	0.01591374	-0.0177295	mg/L	0.01591374	89.76%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	244.0	-0.0996099	ug/L	0.36016672	-0.0996099	ug/L	0.36016672	361.58%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-38.4	-0.0404508	mg/L	0.00136974	-0.0404508	mg/L	0.00136974	3.39%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	50.6	-0.685471	ug/L	0.0304543	-0.685471	ug/L	0.0304543	4.44%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-2.6	0.322422	ug/L	0.9027138	0.322422	ug/L	0.9027138	279.98%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	8.6	-0.0368293	mg/L	0.00269596	-0.0368293	mg/L	0.00269596	7.32%
QC value within limits for Na 589.592 Recovery = Not calculated								

Ni 231.604†	11.2	1.17159 ug/L	1.088861	1.17159 ug/L	1.088861	92.94%	
QC value within limits for Ni 231.604 Recovery = Not calculated							
Pb 220.353†	10.1	-2.15930 ug/L	8.259003	-2.15930 ug/L	8.259003	382.48%	
QC value within limits for Pb 220.353 Recovery = Not calculated							
Sb 217.584†	-2.3	-0.408617 ug/L	17.3639609	-0.408617 ug/L	17.3639609	>999.9%	
QC value within limits for Sb 217.584 Recovery = Not calculated							
Se 196.026†	14.4	-0.888971 ug/L	8.5414713	-0.888971 ug/L	8.5414713	960.83%	
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	-7.3	-10.9443 ug/L	2.91217	-10.9443 ug/L	2.91217	26.61%	
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	5.0	8.48313 ug/L	5.628178	8.48313 ug/L	5.628178	66.35%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	-0.1	-5.26342 ug/L	0.046941	-5.26342 ug/L	0.046941	0.89%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.946†	-83.5	0.102466 ug/L	0.0001860	0.102466 ug/L	0.0001860	0.18%	
QC value within limits for Ti 334.946 Recovery = Not calculated							
Tl 190.801†	2.2	6.63212 ug/L	9.643631	6.63212 ug/L	9.643631	145.41%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	-9.7	-0.451705 ug/L	0.0092618	-0.451705 ug/L	0.0092618	2.05%	
QC value within limits for V 292.395 Recovery = Not calculated							
Zn 206.200†	5.8	-0.484926 ug/L	0.6524393	-0.484926 ug/L	0.6524393	134.54%	
QC value within limits for Zn 206.200 Recovery = Not calculated							

All analyte(s) passed QC.

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Sequence No.: 9 **Autosampler Location: 10**
Sample ID: 2E09002-CRL1 **Date Collected: 5/9/2012 7:27:58 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2E09002-CRL1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	544978.6	544978.6	101.0	%			07:29:07
1	Y 371.029	694131.3	694131.3	101.2	%			07:29:07
1	Ag 328.068†	101.9	550.3	12.7463	ug/L	12.7463	ug/L	07:29:12
1	Al 396.146†	2132.9	1512.0	85.8917	ug/L	85.8917	ug/L	07:29:12
1	As 188.979†	84.6	80.0	216.540	ug/L	216.540	ug/L	07:29:32
1	B 249.769†	4647.0	4163.7	99.1837	ug/L	99.1837	ug/L	07:29:12
1	Ba 455.403†	10929.6	10538.4	18.7226	ug/L	18.7226	ug/L	07:29:12
1	Be 234.863†	742.8	577.2	1.90962	ug/L	1.90962	ug/L	07:29:32
1	Ca 315.874†	17760.3	17438.0	0.951352	mg/L	0.951352	mg/L	07:29:12
1	Cd 214.436†	119.5	174.1	11.1369	ug/L	11.1369	ug/L	07:29:32
1	Ce 413.764†	71.0	36.6	5.19488	ug/L	5.19488	ug/L	07:29:12
1	Co 228.616†	124.9	164.2	20.9138	ug/L	20.9138	ug/L	07:29:32
1	Cr 205.563†	160.5	124.8	19.5400	ug/L	19.5400	ug/L	07:29:32
1	Cu 324.741†	163.0	315.5	21.3512	ug/L	21.3512	ug/L	07:29:12
1	Fe 238.204†	426.2	252.3	16.4289	ug/L	16.4289	ug/L	07:29:32
1	K 766.490†	3694.0	1426.4	0.215888	mg/L	0.215888	mg/L	07:29:07
1	Li 670.784†	6095.9	4140.5	16.2078	ug/L	16.2078	ug/L	07:29:07
1	Mg 279.071†	3537.5	3324.3	0.961537	mg/L	0.961537	mg/L	07:29:12
1	Mn 257.610†	3365.6	3299.5	19.2829	ug/L	19.2829	ug/L	07:29:12
1	Mo 202.031†	661.7	645.1	196.360	ug/L	196.360	ug/L	07:29:32
1	Na 589.592†	12778.2	12102.6	0.959642	mg/L	0.959642	mg/L	07:29:07
1	Ni 231.604†	171.7	199.1	21.3983	ug/L	21.3983	ug/L	07:29:32
1	Pb 220.353†	72.7	151.4	94.2429	ug/L	94.2429	ug/L	07:29:32
1	Sb 217.584†	114.8	100.4	222.485	ug/L	222.485	ug/L	07:29:32
1	Se 196.026†	52.2	72.9	151.324	ug/L	151.324	ug/L	07:29:32
1	Si 251.611†	2000.3	1439.6	186.173	ug/L	186.173	ug/L	07:29:12
1	Sn 189.927†	84.7	89.0	202.365	ug/L	202.365	ug/L	07:29:32
1	Sr 407.771†	231297.0	227131.0	94.1924	ug/L	94.1924	ug/L	07:29:07
1	Ti 334.946†	43753.2	41962.1	199.236	ug/L	199.236	ug/L	07:29:12
1	Tl 190.801†	34.0	35.2	203.825	ug/L	203.825	ug/L	07:29:32
1	V 292.395†	588.6	705.7	18.1852	ug/L	18.1852	ug/L	07:29:12
1	Zn 206.200†	209.2	150.6	20.9829	ug/L	20.9829	ug/L	07:29:32
2	Sc 357.234	541417.5	541417.5	100.3	%			07:29:38
2	Y 371.029	689391.0	689391.0	100.5	%			07:29:38
2	Ag 328.068†	-17.6	432.0	9.89387	ug/L	9.89387	ug/L	07:29:43
2	Al 396.146†	2070.0	1463.2	81.9233	ug/L	81.9233	ug/L	07:29:43
2	As 188.979†	76.6	72.6	194.941	ug/L	194.941	ug/L	07:30:03

2	B 249.769†	4719.2	4265.9	101.728 ug/L	101.728 ug/L	07:29:43
2	Ba 455.403†	10887.7	10567.9	18.7792 ug/L	18.7792 ug/L	07:29:43
2	Be 234.863†	712.4	551.7	1.82262 ug/L	1.82262 ug/L	07:30:03
2	Ca 315.874†	17668.5	17462.2	0.952760 mg/L	0.952760 mg/L	07:29:43
2	Cd 214.436†	114.6	170.0	10.9113 ug/L	10.9113 ug/L	07:30:03
2	Ce 413.764†	72.1	38.1	5.41089 ug/L	5.41089 ug/L	07:29:43
2	Co 228.616†	99.7	140.0	17.6613 ug/L	17.6613 ug/L	07:30:03
2	Cr 205.563†	151.8	117.2	18.2706 ug/L	18.2706 ug/L	07:30:03
2	Cu 324.741†	141.1	294.8	19.9329 ug/L	19.9329 ug/L	07:29:43
2	Fe 238.204†	427.9	256.7	16.7268 ug/L	16.7268 ug/L	07:30:03
2	K 766.490†	3722.3	1478.7	0.224720 mg/L	0.224720 mg/L	07:29:38
2	Li 670.784†	6030.8	4115.3	16.1025 ug/L	16.1025 ug/L	07:29:38
2	Mg 279.071†	3425.3	3235.6	0.935086 mg/L	0.935086 mg/L	07:29:43
2	Mn 257.610†	3324.4	3280.4	19.1683 ug/L	19.1683 ug/L	07:29:43
2	Mo 202.031†	682.8	670.4	204.038 ug/L	204.038 ug/L	07:30:03
2	Na 589.592†	12759.3	12167.0	0.964947 mg/L	0.964947 mg/L	07:29:38
2	Ni 231.604†	159.8	188.4	20.2849 ug/L	20.2849 ug/L	07:30:03
2	Pb 220.353†	72.2	151.4	94.2943 ug/L	94.2943 ug/L	07:30:03
2	Sb 217.584†	102.5	88.8	198.067 ug/L	198.067 ug/L	07:30:03
2	Se 196.026†	72.6	93.6	205.426 ug/L	205.426 ug/L	07:30:03
2	Si 251.611†	2026.6	1478.9	191.793 ug/L	191.793 ug/L	07:29:43
2	Sn 189.927†	81.5	86.3	196.158 ug/L	196.158 ug/L	07:30:03
2	Sr 407.771†	231668.0	229006.9	95.0146 ug/L	95.0146 ug/L	07:29:38
2	Ti 334.946†	43596.9	42091.3	199.848 ug/L	199.848 ug/L	07:29:43
2	Tl 190.801†	33.3	34.8	201.035 ug/L	201.035 ug/L	07:30:03
2	V 292.395†	673.0	793.7	20.3492 ug/L	20.3492 ug/L	07:29:43
2	Zn 206.200†	201.5	144.4	20.0491 ug/L	20.0491 ug/L	07:30:03

Mean Data: 2E09002-CRL1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	543198.0	100.7	%	0.47				0.46%
Y 371.029	691761.2	100.9	%	0.49				0.48%
Ag 328.068†	491.2	11.3201	ug/L	2.01694	11.3201	ug/L	2.01694	17.82%
QC value within limits for Ag 328.068 Recovery = 113.20%								
Al 396.146†	1487.6	83.9075	ug/L	2.80610	83.9075	ug/L	2.80610	3.34%
QC value within limits for Al 396.146 Recovery = 83.91%								
As 188.979†	76.3	205.740	ug/L	15.2731	205.740	ug/L	15.2731	7.42%
QC value within limits for As 188.979 Recovery = 102.87%								
B 249.769†	4214.8	100.456	ug/L	1.7993	100.456	ug/L	1.7993	1.79%
QC value within limits for B 249.769 Recovery = 100.46%								
Ba 455.403†	10553.2	18.7509	ug/L	0.04003	18.7509	ug/L	0.04003	0.21%
QC value within limits for Ba 455.403 Recovery = 93.75%								
Be 234.863†	564.4	1.86612	ug/L	0.061518	1.86612	ug/L	0.061518	3.30%
QC value within limits for Be 234.863 Recovery = 93.31%								
Ca 315.874†	17450.1	0.952056	mg/L	0.0009953	0.952056	mg/L	0.0009953	0.10%
QC value within limits for Ca 315.874 Recovery = 95.21%								
Cd 214.436†	172.1	11.0241	ug/L	0.15949	11.0241	ug/L	0.15949	1.45%
QC value within limits for Cd 214.436 Recovery = 110.24%								
Ce 413.764†	37.4	5.30288	ug/L	0.152742	5.30288	ug/L	0.152742	2.88%
Co 228.616†	152.1	19.2876	ug/L	2.29986	19.2876	ug/L	2.29986	11.92%
QC value within limits for Co 228.616 Recovery = 96.44%								
Cr 205.563†	121.0	18.9053	ug/L	0.89758	18.9053	ug/L	0.89758	4.75%
QC value within limits for Cr 205.563 Recovery = 94.53%								
Cu 324.741†	305.1	20.6420	ug/L	1.00293	20.6420	ug/L	1.00293	4.86%
QC value within limits for Cu 324.741 Recovery = 103.21%								
Fe 238.204†	254.5	16.5778	ug/L	0.21066	16.5778	ug/L	0.21066	1.27%
QC value within limits for Fe 238.204 Recovery = 82.89%								
K 766.490†	1452.5	0.220304	mg/L	0.0062455	0.220304	mg/L	0.0062455	2.83%
QC value within limits for K 766.490 Recovery = 110.15%								
Li 670.784†	4127.9	16.1552	ug/L	0.07446	16.1552	ug/L	0.07446	0.46%
QC value within limits for Li 670.784 Recovery = 100.97%								
Mg 279.071†	3279.9	0.948312	mg/L	0.0187039	0.948312	mg/L	0.0187039	1.97%
QC value within limits for Mg 279.071 Recovery = 94.83%								
Mn 257.610†	3289.9	19.2256	ug/L	0.08105	19.2256	ug/L	0.08105	0.42%
QC value within limits for Mn 257.610 Recovery = 96.13%								
Mo 202.031†	657.8	200.199	ug/L	5.4290	200.199	ug/L	5.4290	2.71%
QC value within limits for Mo 202.031 Recovery = 100.10%								
Na 589.592†	12134.8	0.962295	mg/L	0.0037514	0.962295	mg/L	0.0037514	0.39%
QC value within limits for Na 589.592 Recovery = 96.23%								
Ni 231.604†	193.8	20.8416	ug/L	0.78728	20.8416	ug/L	0.78728	3.78%

QC value within limits for Ni 231.604 Recovery = 104.21%

Pb 220.353†	151.4	94.2686 ug/L	0.03635	94.2686 ug/L	0.03635	0.04%
QC value within limits for Pb 220.353 Recovery = 94.27%							
Sb 217.584†	94.6	210.276 ug/L	17.2664	210.276 ug/L	17.2664	8.21%
QC value within limits for Sb 217.584 Recovery = 105.14%							
Se 196.026†	83.2	178.375 ug/L	38.2558	178.375 ug/L	38.2558	21.45%
QC value within limits for Se 196.026 Recovery = 89.19%							
Si 251.611†	1459.2	188.983 ug/L	3.9740	188.983 ug/L	3.9740	2.10%
QC value within limits for Si 251.611 Recovery = 94.49%							
Sn 189.927†	87.6	199.261 ug/L	4.3890	199.261 ug/L	4.3890	2.20%
QC value within limits for Sn 189.927 Recovery = 99.63%							
Sr 407.771†	228069.0	94.6035 ug/L	0.58137	94.6035 ug/L	0.58137	0.61%
QC value within limits for Sr 407.771 Recovery = 94.60%							
Ti 334.946†	42026.7	199.542 ug/L	0.4327	199.542 ug/L	0.4327	0.22%
QC value within limits for Ti 334.946 Recovery = 99.77%							
Tl 190.801†	35.0	202.430 ug/L	1.9728	202.430 ug/L	1.9728	0.97%
QC value within limits for Tl 190.801 Recovery = 101.22%							
V 292.395†	749.7	19.2672 ug/L	1.53018	19.2672 ug/L	1.53018	7.94%
QC value within limits for V 292.395 Recovery = 96.34%							
Zn 206.200†	147.5	20.5160 ug/L	0.66028	20.5160 ug/L	0.66028	3.22%
QC value within limits for Zn 206.200 Recovery = 102.58%							

All analyte(s) passed QC.

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Sequence No.: 10 **Autosampler Location: 11**
Sample ID: 2E09002-IFA1 **Date Collected: 5/9/2012 7:31:19 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2E09002-IFA1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	538584.8	538584.8	99.82	%			07:32:29
1	Y 371.029	686204.3	686204.3	100.1	%			07:32:29
1	Ag 328.068†	-454.0	-5.3	-0.657401	ug/L	-0.657401	ug/L	07:32:34
1	Al 396.146†	1261903.7	1263554.5	97758.9	ug/L	97758.9	ug/L	07:32:29
1	As 188.979†	64.9	61.2	37.7186	ug/L	37.7186	ug/L	07:32:55
1	B 249.769†	3058.3	2626.7	3.95297	ug/L	3.95297	ug/L	07:32:34
1	Ba 455.403†	398.9	117.4	-1.27043	ug/L	-1.27043	ug/L	07:32:34
1	Be 234.863†	1214.6	1058.5	-0.0980391	ug/L	-0.0980391	ug/L	07:32:34
1	Ca 315.874†	1653838.0	1656642.2	96.2881	mg/L	96.2881	mg/L	07:32:29
1	Cd 214.436†	57.4	113.3	0.0843386	ug/L	0.0843386	ug/L	07:32:55
1	Ce 413.764†	89.8	56.3	8.17596	ug/L	8.17596	ug/L	07:32:34
1	Co 228.616†	-33.2	7.3	-1.32743	ug/L	-1.32743	ug/L	07:32:55
1	Cr 205.563†	17.7	-16.4	-7.58657	ug/L	-7.58657	ug/L	07:32:55
1	Cu 324.741†	-182.8	-29.0	1.93357	ug/L	1.93357	ug/L	07:32:34
1	Fe 238.204†	574399.5	575254.1	39059.2	ug/L	39059.2	ug/L	07:32:29
1	K 766.490†	2235.8	9.0	-0.0238401	mg/L	-0.0238401	mg/L	07:32:34
1	Li 670.784†	2234.8	344.1	0.318216	ug/L	0.318216	ug/L	07:32:34
1	Mg 279.071†	328590.4	328998.4	98.0032	mg/L	98.0032	mg/L	07:32:29
1	Mn 257.610†	254.4	222.3	0.376091	ug/L	0.376091	ug/L	07:32:34
1	Mo 202.031†	120.8	111.0	10.7769	ug/L	10.7769	ug/L	07:32:55
1	Na 589.592†	844.8	298.2	-0.0129728	mg/L	-0.0129728	mg/L	07:32:34
1	Ni 231.604†	-50.1	-21.0	-2.16229	ug/L	-2.16229	ug/L	07:32:55
1	Pb 220.353†	-92.7	-13.5	-5.45551	ug/L	-5.45551	ug/L	07:32:55
1	Sb 217.584†	14.5	1.2	7.99083	ug/L	7.99083	ug/L	07:32:55
1	Se 196.026†	17.7	38.9	28.0202	ug/L	28.0202	ug/L	07:32:55
1	Si 251.611†	695.9	156.4	13.6635	ug/L	13.6635	ug/L	07:32:55
1	Sn 189.927†	-10.3	-5.2	14.3617	ug/L	14.3617	ug/L	07:32:55
1	Sr 407.771†	2616.3	761.0	-14.4880	ug/L	-14.4880	ug/L	07:32:34
1	Ti 334.946†	-2385.6	-3744.7	-17.2377	ug/L	-17.2377	ug/L	07:32:34
1	Tl 190.801†	-8.2	-6.6	-45.1524	ug/L	-45.1524	ug/L	07:32:55
1	V 292.395†	-58.7	64.2	-2.66219	ug/L	-2.66219	ug/L	07:32:34
1	Zn 206.200†	147.2	91.0	3.40342	ug/L	3.40342	ug/L	07:32:55
2	Sc 357.234	534316.2	534316.2	99.03	%			07:33:01
2	Y 371.029	681300.1	681300.1	99.35	%			07:33:01
2	Ag 328.068†	-432.3	12.9	-0.195903	ug/L	-0.195903	ug/L	07:33:07
2	Al 396.146†	1270626.8	1282462.2	99222.9	ug/L	99222.9	ug/L	07:33:01
2	As 188.979†	56.2	53.0	11.8575	ug/L	11.8575	ug/L	07:33:27
2	B 249.769†	3023.0	2615.6	2.91106	ug/L	2.91106	ug/L	07:33:07

2	Ba 455.403†	337.4	58.5	-1.38226 ug/L	-1.38226 ug/L	07:33:07
2	Be 234.863†	1281.1	1135.5	0.115219 ug/L	0.115219 ug/L	07:33:07
2	Ca 315.874†	1661433.5	1677548.0	97.5040 mg/L	97.5040 mg/L	07:33:01
2	Cd 214.436†	54.0	110.3	-0.191105 ug/L	-0.191105 ug/L	07:33:27
2	Ce 413.764†	127.9	95.5	13.7582 ug/L	13.7582 ug/L	07:33:07
2	Co 228.616†	-14.3	26.2	1.19713 ug/L	1.19713 ug/L	07:33:27
2	Cr 205.563†	31.2	-2.6	-5.33879 ug/L	-5.33879 ug/L	07:33:27
2	Cu 324.741†	-175.4	-23.0	2.40832 ug/L	2.40832 ug/L	07:33:07
2	Fe 238.204†	577487.2	582969.1	39583.0 ug/L	39583.0 ug/L	07:33:01
2	K 766.490†	2236.3	27.4	-0.0207226 mg/L	-0.0207226 mg/L	07:33:07
2	Li 670.784†	2207.2	334.1	0.275845 ug/L	0.275845 ug/L	07:33:07
2	Mg 279.071†	330694.3	333752.8	99.4198 mg/L	99.4198 mg/L	07:33:01
2	Mn 257.610†	242.6	212.4	0.317330 ug/L	0.317330 ug/L	07:33:07
2	Mo 202.031†	133.1	124.3	14.4825 ug/L	14.4825 ug/L	07:33:27
2	Na 589.592†	841.3	301.4	-0.0127112 mg/L	-0.0127112 mg/L	07:33:07
2	Ni 231.604†	-31.7	-2.8	-0.228761 ug/L	-0.228761 ug/L	07:33:27
2	Pb 220.353†	-83.0	-4.4	0.936505 ug/L	0.936505 ug/L	07:33:27
2	Sb 217.584†	32.6	19.6	47.0316 ug/L	47.0316 ug/L	07:33:27
2	Se 196.026†	29.3	50.8	58.5996 ug/L	58.5996 ug/L	07:33:27
2	Si 251.611†	712.5	178.7	16.8681 ug/L	16.8681 ug/L	07:33:27
2	Sn 189.927†	-16.4	-11.5	0.408453 ug/L	0.408453 ug/L	07:33:27
2	Sr 407.771†	2514.6	679.2	-14.6406 ug/L	-14.6406 ug/L	07:33:07
2	Ti 334.946†	-2317.5	-3695.1	-17.0024 ug/L	-17.0024 ug/L	07:33:07
2	Tl 190.801†	-2.3	-0.7	-10.3708 ug/L	-10.3708 ug/L	07:33:27
2	V 292.395†	136.7	261.0	2.00720 ug/L	2.00720 ug/L	07:33:07
2	Zn 206.200†	131.7	76.5	1.11249 ug/L	1.11249 ug/L	07:33:27

Mean Data: 2E09002-IFA1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	536450.5	99.43	%	0.559				0.56%
Y 371.029	683752.2	99.71	%	0.506				0.51%
Ag 328.068†	3.8	-0.426652	ug/L	0.3263285	-0.426652	ug/L	0.3263285	76.49%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	1273008.4	98490.9	ug/L	1035.18	98490.9	ug/L	1035.18	1.05%
QC value within limits for Al 396.146 Recovery = 98.49%								
As 188.979†	57.1	24.7881	ug/L	18.28657	24.7881	ug/L	18.28657	73.77%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	2621.2	3.43202	ug/L	0.736741	3.43202	ug/L	0.736741	21.47%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	88.0	-1.32634	ug/L	0.079075	-1.32634	ug/L	0.079075	5.96%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	1097.0	0.0085902	ug/L	0.15079655	0.0085902	ug/L	0.15079655	>999.9%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	1667095.1	96.8961	mg/L	0.85976	96.8961	mg/L	0.85976	0.89%
QC value within limits for Ca 315.874 Recovery = 96.90%								
Cd 214.436†	111.8	-0.0533834	ug/L	0.19476836	-0.0533834	ug/L	0.19476836	364.85%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	75.9	10.9671	ug/L	3.94724	10.9671	ug/L	3.94724	35.99%
Co 228.616†	16.8	-0.0651475	ug/L	1.78513187	-0.0651475	ug/L	1.78513187	>999.9%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	-9.5	-6.46268	ug/L	1.589422	-6.46268	ug/L	1.589422	24.59%
QC value within limits for Cr 205.563 Recovery = Not calculated								
Cu 324.741†	-26.0	2.17094	ug/L	0.335701	2.17094	ug/L	0.335701	15.46%
QC value within limits for Cu 324.741 Recovery = Not calculated								
Fe 238.204†	579111.6	39321.1	ug/L	370.42	39321.1	ug/L	370.42	0.94%
QC value within limits for Fe 238.204 Recovery = 98.30%								
K 766.490†	18.2	-0.0222813	mg/L	0.00220440	-0.0222813	mg/L	0.00220440	9.89%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	339.1	0.297030	ug/L	0.0299605	0.297030	ug/L	0.0299605	10.09%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	331375.6	98.7115	mg/L	1.00173	98.7115	mg/L	1.00173	1.01%
QC value within limits for Mg 279.071 Recovery = 98.71%								
Mn 257.610†	217.4	0.346710	ug/L	0.0415501	0.346710	ug/L	0.0415501	11.98%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	117.7	12.6297	ug/L	2.62026	12.6297	ug/L	2.62026	20.75%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	299.8	-0.0128420	mg/L	0.00018498	-0.0128420	mg/L	0.00018498	1.44%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	-11.9	-1.19553	ug/L	1.367214	-1.19553	ug/L	1.367214	114.36%
QC value within limits for Ni 231.604 Recovery = Not calculated								

Pb 220.353†	-8.9	-2.25950 ug/L	4.519836	-2.25950 ug/L	4.519836	200.04%
QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	10.4	27.5112 ug/L	27.60601	27.5112 ug/L	27.60601	100.34%
QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	44.9	43.3099 ug/L	21.62293	43.3099 ug/L	21.62293	49.93%
QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	167.6	15.2658 ug/L	2.26600	15.2658 ug/L	2.26600	14.84%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	-8.3	7.38506 ug/L	9.866406	7.38506 ug/L	9.866406	133.60%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	720.1	-14.5643 ug/L	0.10787	-14.5643 ug/L	0.10787	0.74%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.946†	-3719.9	-17.1201 ug/L	0.16632	-17.1201 ug/L	0.16632	0.97%
QC value within limits for Ti 334.946 Recovery = Not calculated						
Tl 190.801†	-3.7	-27.7616 ug/L	24.59429	-27.7616 ug/L	24.59429	88.59%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	162.6	-0.327495 ug/L	3.3017564	-0.327495 ug/L	3.3017564	>999.9%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	83.8	2.25796 ug/L	1.619930	2.25796 ug/L	1.619930	71.74%
QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 11
Sample ID: 2E09002-IFA2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 12
Date Collected: 5/9/2012 7:37:42 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E09002-IFA2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	548021.0	548021.0	101.6	%			07:38:58
1	Y 371.029	703819.2	703819.2	102.6	%			07:38:58
1	Ag 328.068†	-862.6	-399.8	5.69782	ug/L	5.69782	ug/L	07:39:04
1	Al 396.146†	907.2	293.5	-2.56961	ug/L	-2.56961	ug/L	07:39:04
1	As 188.979†	25.0	20.8	19.5066	ug/L	19.5066	ug/L	07:39:24
1	B 249.769†	1000.7	548.2	9.17293	ug/L	9.17293	ug/L	07:39:24
1	Ba 455.403†	127.8	-156.4	-1.41544	ug/L	-1.41544	ug/L	07:39:04
1	Be 234.863†	258.0	95.8	-0.244266	ug/L	-0.244266	ug/L	07:39:24
1	Ca 315.874†	852.9	694.4	-0.0224586	mg/L	-0.0224586	mg/L	07:39:04
1	Cd 214.436†	-222.7	-163.5	-1.47394	ug/L	-1.47394	ug/L	07:39:24
1	Ce 413.764†	59.3	24.7	10.5865	ug/L	10.5865	ug/L	07:39:04
1	Co 228.616†	247.0	283.8	-3.98387	ug/L	-3.98387	ug/L	07:39:24
1	Cr 205.563†	118386.3	116521.3	19421.1	ug/L	19421.1	ug/L	07:39:04
1	Cu 324.741†	293040.9	288662.9	19796.7	ug/L	19796.7	ug/L	07:38:58
1	Fe 238.204†	373.1	197.6	-1.28577	ug/L	-1.28577	ug/L	07:39:24
1	K 766.490†	2505.3	235.8	0.0145166	mg/L	0.0145166	mg/L	07:39:04
1	Li 670.784†	2138.8	211.1	-0.238221	ug/L	-0.238221	ug/L	07:39:04
1	Mg 279.071†	95.2	-84.3	-0.0541277	mg/L	-0.0541277	mg/L	07:39:04
1	Mn 257.610†	3266325.4	3215775.9	19719.7	ug/L	19719.7	ug/L	07:38:58
1	Mo 202.031†	-10.5	-20.4	-1.09242	ug/L	-1.09242	ug/L	07:39:24
1	Na 589.592†	913.7	351.4	-0.0085872	mg/L	-0.0085872	mg/L	07:39:04
1	Ni 231.604†	185820.2	182975.5	19360.1	ug/L	19360.1	ug/L	07:39:04
1	Pb 220.353†	-56.4	23.9	7.18455	ug/L	7.18455	ug/L	07:39:24
1	Sb 217.584†	151.7	136.0	9.12178	ug/L	9.12178	ug/L	07:39:24
1	Se 196.026†	-1.8	19.4	4.63822	ug/L	4.63822	ug/L	07:39:24
1	Si 251.611†	6186.9	5550.5	-386.078	ug/L	-386.078	ug/L	07:39:04
1	Sn 189.927†	-9.2	-4.0	-12.2636	ug/L	-12.2636	ug/L	07:39:24
1	Sr 407.771†	293.3	-1571.2	-5.95034	ug/L	-5.95034	ug/L	07:39:04
1	Ti 334.946†	4201356.1	4135023.0	19584.5	ug/L	19584.5	ug/L	07:38:58
1	Tl 190.801†	-14.8	-13.0	-35.5220	ug/L	-35.5220	ug/L	07:39:24
1	V 292.395†	827680.4	815002.5	19421.8	ug/L	19421.8	ug/L	07:38:58
1	Zn 206.200†	218.0	158.2	2.08918	ug/L	2.08918	ug/L	07:39:04
2	Sc 357.234	547188.6	547188.6	101.4	%			07:39:33
2	Y 371.029	702662.7	702662.7	102.5	%			07:39:33
2	Ag 328.068†	-869.7	-408.1	5.28849	ug/L	5.28849	ug/L	07:39:39
2	Al 396.146†	895.3	283.1	-4.43717	ug/L	-4.43717	ug/L	07:39:39
2	As 188.979†	24.0	19.9	16.6612	ug/L	16.6612	ug/L	07:39:59
2	B 249.769†	990.8	539.9	8.96987	ug/L	8.96987	ug/L	07:39:59
2	Ba 455.403†	42.1	-240.7	-1.58318	ug/L	-1.58318	ug/L	07:39:39

2	Be 234.863†	214.5	53.3	-0.388125 ug/L	-0.388125 ug/L	07:39:59
2	Ca 315.874†	871.7	714.2	-0.0213082 mg/L	-0.0213082 mg/L	07:39:39
2	Cd 214.436†	-219.4	-160.5	-1.42676 ug/L	-1.42676 ug/L	07:39:59
2	Ce 413.764†	1.1	-32.6	2.34844 ug/L	2.34844 ug/L	07:39:39
2	Co 228.616†	243.1	280.3	-4.12416 ug/L	-4.12416 ug/L	07:39:59
2	Cr 205.563†	118298.8	116612.2	19436.3 ug/L	19436.3 ug/L	07:39:39
2	Cu 324.741†	290230.3	286330.4	19636.6 ug/L	19636.6 ug/L	07:39:33
2	Fe 238.204†	340.1	165.6	-3.39750 ug/L	-3.39750 ug/L	07:39:59
2	K 766.490†	2405.8	141.4	-0.0014373 mg/L	-0.0014373 mg/L	07:39:39
2	Li 670.784†	2197.6	272.3	0.0188440 ug/L	0.0188440 ug/L	07:39:39
2	Mg 279.071†	58.8	-120.0	-0.0647660 mg/L	-0.0647660 mg/L	07:39:39
2	Mn 257.610†	3224803.0	3179725.5	19498.6 ug/L	19498.6 ug/L	07:39:33
2	Mo 202.031†	-12.7	-22.5	-1.79575 ug/L	-1.79575 ug/L	07:39:59
2	Na 589.592†	818.2	258.6	-0.0162339 mg/L	-0.0162339 mg/L	07:39:39
2	Ni 231.604†	185926.7	183358.8	19400.7 ug/L	19400.7 ug/L	07:39:39
2	Pb 220.353†	-64.8	15.6	1.51542 ug/L	1.51542 ug/L	07:39:59
2	Sb 217.584†	153.0	137.6	12.1676 ug/L	12.1676 ug/L	07:39:59
2	Se 196.026†	4.1	25.3	20.0049 ug/L	20.0049 ug/L	07:39:59
2	Si 251.611†	6326.4	5697.3	-351.578 ug/L	-351.578 ug/L	07:39:39
2	Sn 189.927†	-9.0	-3.8	-11.6874 ug/L	-11.6874 ug/L	07:39:59
2	Sr 407.771†	136.9	-1725.0	-6.02378 ug/L	-6.02378 ug/L	07:39:39
2	Ti 334.946†	4148468.1	4089166.2	19367.3 ug/L	19367.3 ug/L	07:39:33
2	Tl 190.801†	-7.8	-6.1	4.56988 ug/L	4.56988 ug/L	07:39:59
2	V 292.395†	816935.9	805647.6	19198.8 ug/L	19198.8 ug/L	07:39:33
2	Zn 206.200†	211.9	152.5	1.24078 ug/L	1.24078 ug/L	07:39:39

Mean Data: 2E09002-IFA2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	547604.8	101.5	%	0.11				0.11%
Y 371.029	703240.9	102.6	%	0.12				0.12%
Ag 328.068†	-403.9	5.49315	ug/L	0.289444	5.49315	ug/L	0.289444	5.27%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	288.3	-3.50339	ug/L	1.320563	-3.50339	ug/L	1.320563	37.69%
QC value within limits for Al 396.146 Recovery = Not calculated								
As 188.979†	20.3	18.0839	ug/L	2.01199	18.0839	ug/L	2.01199	11.13%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	544.1	9.07140	ug/L	0.143584	9.07140	ug/L	0.143584	1.58%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	-198.5	-1.49931	ug/L	0.118612	-1.49931	ug/L	0.118612	7.91%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	74.5	-0.316196	ug/L	0.1017239	-0.316196	ug/L	0.1017239	32.17%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	704.3	-0.0218834	mg/L	0.00081345	-0.0218834	mg/L	0.00081345	3.72%
QC value within limits for Ca 315.874 Recovery = Not calculated								
Cd 214.436†	-162.0	-1.45035	ug/L	0.033361	-1.45035	ug/L	0.033361	2.30%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	-4.0	6.46748	ug/L	5.825207	6.46748	ug/L	5.825207	90.07%
Co 228.616†	282.1	-4.05401	ug/L	0.099200	-4.05401	ug/L	0.099200	2.45%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	116566.8	19428.7	ug/L	10.72	19428.7	ug/L	10.72	0.06%
QC value within limits for Cr 205.563 Recovery = 97.14%								
Cu 324.741†	287496.6	19716.7	ug/L	113.19	19716.7	ug/L	113.19	0.57%
QC value within limits for Cu 324.741 Recovery = 98.58%								
Fe 238.204†	181.6	-2.34164	ug/L	1.493218	-2.34164	ug/L	1.493218	63.77%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	188.6	0.0065396	mg/L	0.01128108	0.0065396	mg/L	0.01128108	172.50%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	241.7	-0.109688	ug/L	0.1817722	-0.109688	ug/L	0.1817722	165.72%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-102.1	-0.0594468	mg/L	0.00752241	-0.0594468	mg/L	0.00752241	12.65%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	3197750.7	19609.1	ug/L	156.33	19609.1	ug/L	156.33	0.80%
QC value within limits for Mn 257.610 Recovery = 98.05%								
Mo 202.031†	-21.4	-1.44409	ug/L	0.497334	-1.44409	ug/L	0.497334	34.44%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	305.0	-0.0124105	mg/L	0.00540702	-0.0124105	mg/L	0.00540702	43.57%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	183167.2	19380.4	ug/L	28.74	19380.4	ug/L	28.74	0.15%
QC value within limits for Ni 231.604 Recovery = 96.90%								
Pb 220.353†	19.7	4.34999	ug/L	4.008675	4.34999	ug/L	4.008675	92.15%

	QC value within limits for Pb 220.353 Recovery = Not calculated						
Sb 217.584†	136.8	10.6447 ug/L	2.15372	10.6447 ug/L	2.15372	20.23%	
	QC value within limits for Sb 217.584 Recovery = Not calculated						
Se 196.026†	22.4	12.3216 ug/L	10.86588	12.3216 ug/L	10.86588	88.19%	
	QC value within limits for Se 196.026 Recovery = Not calculated						
Si 251.611†	5623.9	-368.828 ug/L	24.3955	-368.828 ug/L	24.3955	6.61%	
	QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	-3.9	-11.9755 ug/L	0.40746	-11.9755 ug/L	0.40746	3.40%	
	QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	-1648.1	-5.98706 ug/L	0.051932	-5.98706 ug/L	0.051932	0.87%	
	QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.946†	4112094.6	19475.9 ug/L	153.57	19475.9 ug/L	153.57	0.79%	
	QC value within limits for Ti 334.946 Recovery = 97.38%						
Tl 190.801†	-9.6	-15.4760 ug/L	28.34922	-15.4760 ug/L	28.34922	183.18%	
	QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	810325.1	19310.3 ug/L	157.67	19310.3 ug/L	157.67	0.82%	
	QC value within limits for V 292.395 Recovery = 96.55%						
Zn 206.200†	155.3	1.66498 ug/L	0.599912	1.66498 ug/L	0.599912	36.03%	
	QC value within limits for Zn 206.200 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 12
Sample ID: 2E09002-IFB1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 13
Date Collected: 5/9/2012 7:44:21 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E09002-IFB1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	535176.8	535176.8	99.19	%			07:45:32
1	Y 371.029	681561.0	681561.0	99.39	%			07:45:32
1	Ag 328.068†	40626.8	41408.0	998.556	ug/L	998.556	ug/L	07:45:38
1	Al 396.146†	1260287.5	1269975.4	98258.1	ug/L	98258.1	ug/L	07:45:32
1	As 188.979†	65.0	61.8	38.6273	ug/L	38.6273	ug/L	07:45:58
1	B 249.769†	2986.1	2573.4	2.60110	ug/L	2.60110	ug/L	07:45:38
1	Ba 455.403†	258569.6	260398.1	498.105	ug/L	498.105	ug/L	07:45:32
1	Be 234.863†	15757.1	15727.5	49.8985	ug/L	49.8985	ug/L	07:45:38
1	Ca 315.874†	1644579.2	1657858.4	96.3589	mg/L	96.3589	mg/L	07:45:32
1	Cd 214.436†	16932.3	17126.3	938.122	ug/L	938.122	ug/L	07:45:38
1	Ce 413.764†	157.3	125.0	18.1258	ug/L	18.1258	ug/L	07:45:38
1	Co 228.616†	3496.7	3565.8	477.087	ug/L	477.087	ug/L	07:45:58
1	Cr 205.563†	2949.9	2939.8	484.801	ug/L	484.801	ug/L	07:45:58
1	Cu 324.741†	7416.8	7631.4	526.420	ug/L	526.420	ug/L	07:45:38
1	Fe 238.204†	571011.2	575502.6	39076.0	ug/L	39076.0	ug/L	07:45:32
1	K 766.490†	2517.9	307.7	0.0266725	mg/L	0.0266725	mg/L	07:45:38
1	Li 670.784†	2328.2	452.6	0.771259	ug/L	0.771259	ug/L	07:45:38
1	Mg 279.071†	327223.8	329717.0	98.2173	mg/L	98.2173	mg/L	07:45:32
1	Mn 257.610†	80901.0	81528.8	498.988	ug/L	498.988	ug/L	07:45:38
1	Mo 202.031†	124.4	115.4	12.1713	ug/L	12.1713	ug/L	07:45:58
1	Na 589.592†	930.3	389.7	-0.0054328	mg/L	-0.0054328	mg/L	07:45:38
1	Ni 231.604†	8856.7	8958.2	947.326	ug/L	947.326	ug/L	07:45:38
1	Pb 220.353†	1360.9	1451.5	988.089	ug/L	988.089	ug/L	07:45:58
1	Sb 217.584†	15.8	2.6	3.68593	ug/L	3.68593	ug/L	07:45:58
1	Se 196.026†	9.0	30.3	5.15331	ug/L	5.15331	ug/L	07:45:58
1	Si 251.611†	796.0	261.7	28.7209	ug/L	28.7209	ug/L	07:45:58
1	Sn 189.927†	-16.6	-11.7	-0.413214	ug/L	-0.413214	ug/L	07:45:58
1	Sr 407.771†	2579.9	741.0	-14.4968	ug/L	-14.4968	ug/L	07:45:38
1	Ti 334.946†	-1959.7	-3330.6	-15.2761	ug/L	-15.2761	ug/L	07:45:38
1	Tl 190.801†	-0.7	0.9	-2.26289	ug/L	-2.26289	ug/L	07:45:58
1	V 292.395†	20684.8	20976.6	496.000	ug/L	496.000	ug/L	07:45:38
1	Zn 206.200†	6522.1	6518.8	962.074	ug/L	962.074	ug/L	07:45:58
2	Sc 357.234	531563.6	531563.6	98.52	%			07:46:05
2	Y 371.029	676655.3	676655.3	98.67	%			07:46:05
2	Ag 328.068†	40445.1	41501.9	1000.79	ug/L	1000.79	ug/L	07:46:10
2	Al 396.146†	1253155.4	1271372.6	98365.2	ug/L	98365.2	ug/L	07:46:05
2	As 188.979†	64.3	61.5	37.7331	ug/L	37.7331	ug/L	07:46:31
2	B 249.769†	2998.6	2606.6	3.34926	ug/L	3.34926	ug/L	07:46:10
2	Ba 455.403†	257070.8	260648.7	498.584	ug/L	498.584	ug/L	07:46:05
2	Be 234.863†	15705.7	15783.3	50.0839	ug/L	50.0839	ug/L	07:46:10

2	Ca 315.874†	1633969.3	1658359.1	96.3880 mg/L	96.3880 mg/L	07:46:05
2	Cd 214.436†	16883.1	17192.4	941.758 ug/L	941.758 ug/L	07:46:10
2	Ce 413.764†	95.5	63.3	9.34689 ug/L	9.34689 ug/L	07:46:10
2	Co 228.616†	3537.3	3631.0	485.854 ug/L	485.854 ug/L	07:46:31
2	Cr 205.563†	2938.8	2948.8	486.302 ug/L	486.302 ug/L	07:46:31
2	Cu 324.741†	7412.4	7677.8	529.597 ug/L	529.597 ug/L	07:46:10
2	Fe 238.204†	567926.4	576284.4	39129.1 ug/L	39129.1 ug/L	07:46:05
2	K 766.490†	2495.6	302.3	0.0257663 mg/L	0.0257663 mg/L	07:46:10
2	Li 670.784†	2307.7	447.7	0.751785 ug/L	0.751785 ug/L	07:46:10
2	Mg 279.071†	325274.0	329980.2	98.2957 mg/L	98.2957 mg/L	07:46:05
2	Mn 257.610†	80551.9	81728.9	500.214 ug/L	500.214 ug/L	07:46:10
2	Mo 202.031†	113.4	105.0	9.00124 ug/L	9.00124 ug/L	07:46:31
2	Na 589.592†	895.2	360.5	-0.0078402 mg/L	-0.0078402 mg/L	07:46:10
2	Ni 231.604†	8698.0	8857.8	936.671 ug/L	936.671 ug/L	07:46:10
2	Pb 220.353†	1383.7	1483.9	1010.07 ug/L	1010.07 ug/L	07:46:31
2	Sb 217.584†	17.5	4.5	7.54457 ug/L	7.54457 ug/L	07:46:31
2	Se 196.026†	19.8	41.3	33.8705 ug/L	33.8705 ug/L	07:46:31
2	Si 251.611†	785.9	257.0	28.0506 ug/L	28.0506 ug/L	07:46:31
2	Sn 189.927†	-17.0	-12.1	-1.50875 ug/L	-1.50875 ug/L	07:46:31
2	Sr 407.771†	2670.1	850.2	-14.4581 ug/L	-14.4581 ug/L	07:46:10
2	Ti 334.946†	-1915.7	-3299.4	-15.1283 ug/L	-15.1283 ug/L	07:46:10
2	Tl 190.801†	-6.9	-5.4	-39.2304 ug/L	-39.2304 ug/L	07:46:31
2	V 292.395†	20542.8	20974.2	495.909 ug/L	495.909 ug/L	07:46:10
2	Zn 206.200†	6611.1	6654.0	982.224 ug/L	982.224 ug/L	07:46:31

Mean Data: 2E09002-IFB1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	533370.2	98.86	%	0.474				0.48%
Y 371.029	679108.2	99.03	%	0.506				0.51%
Ag 328.068†	41454.9	999.674	ug/L	1.5813	999.674	ug/L	1.5813	0.16%
QC value within limits for Ag 328.068 Recovery = 99.97%								
Al 396.146†	1270674.0	98311.6	ug/L	75.73	98311.6	ug/L	75.73	0.08%
QC value within limits for Al 396.146 Recovery = 98.31%								
As 188.979†	61.7	38.1802	ug/L	0.63226	38.1802	ug/L	0.63226	1.66%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	2590.0	2.97518	ug/L	0.529024	2.97518	ug/L	0.529024	17.78%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	260523.4	498.345	ug/L	0.3387	498.345	ug/L	0.3387	0.07%
QC value within limits for Ba 455.403 Recovery = 99.67%								
Be 234.863†	15755.4	49.9912	ug/L	0.13113	49.9912	ug/L	0.13113	0.26%
QC value within limits for Be 234.863 Recovery = 99.98%								
Ca 315.874†	1658108.7	96.3734	mg/L	0.02059	96.3734	mg/L	0.02059	0.02%
QC value within limits for Ca 315.874 Recovery = 96.37%								
Cd 214.436†	17159.4	939.940	ug/L	2.5709	939.940	ug/L	2.5709	0.27%
QC value within limits for Cd 214.436 Recovery = 93.99%								
Ce 413.764†	94.1	13.7363	ug/L	6.20762	13.7363	ug/L	6.20762	45.19%
Co 228.616†	3598.4	481.471	ug/L	6.1994	481.471	ug/L	6.1994	1.29%
QC value within limits for Co 228.616 Recovery = 96.29%								
Cr 205.563†	2944.3	485.551	ug/L	1.0616	485.551	ug/L	1.0616	0.22%
QC value within limits for Cr 205.563 Recovery = 97.11%								
Cu 324.741†	7654.6	528.009	ug/L	2.2465	528.009	ug/L	2.2465	0.43%
QC value within limits for Cu 324.741 Recovery = 105.60%								
Fe 238.204†	575893.5	39102.6	ug/L	37.54	39102.6	ug/L	37.54	0.10%
QC value within limits for Fe 238.204 Recovery = 97.76%								
K 766.490†	305.0	0.0262194	mg/L	0.00064078	0.0262194	mg/L	0.00064078	2.44%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	450.2	0.761522	ug/L	0.0137705	0.761522	ug/L	0.0137705	1.81%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	329848.6	98.2565	mg/L	0.05546	98.2565	mg/L	0.05546	0.06%
QC value within limits for Mg 279.071 Recovery = 98.26%								
Mn 257.610†	81628.8	499.601	ug/L	0.8669	499.601	ug/L	0.8669	0.17%
QC value within limits for Mn 257.610 Recovery = 99.92%								
Mo 202.031†	110.2	10.5863	ug/L	2.24160	10.5863	ug/L	2.24160	21.17%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	375.1	-0.0066365	mg/L	0.00170228	-0.0066365	mg/L	0.00170228	25.65%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	8908.0	941.998	ug/L	7.5342	941.998	ug/L	7.5342	0.80%
QC value within limits for Ni 231.604 Recovery = 94.20%								
Pb 220.353†	1467.7	999.081	ug/L	15.5450	999.081	ug/L	15.5450	1.56%
QC value within limits for Pb 220.353 Recovery = 99.91%								

Sb 217.584†	3.5	5.61525 ug/L	2.728469	5.61525 ug/L	2.728469	48.59%	
Se 196.026†	35.8	19.5119 ug/L	20.30612	19.5119 ug/L	20.30612	104.07%	
QC value within limits for Se 196.026 Recovery = Not calculated							
Si 251.611†	259.4	28.3858 ug/L	0.47400	28.3858 ug/L	0.47400	1.67%	
QC value within limits for Si 251.611 Recovery = Not calculated							
Sn 189.927†	-11.9	-0.960982 ug/L	0.7746610	-0.960982 ug/L	0.7746610	80.61%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	795.6	-14.4774 ug/L	0.02731	-14.4774 ug/L	0.02731	0.19%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.946†	-3315.0	-15.2022 ug/L	0.10449	-15.2022 ug/L	0.10449	0.69%	
QC value within limits for Ti 334.946 Recovery = Not calculated							
Tl 190.801†	-2.3	-20.7467 ug/L	26.14000	-20.7467 ug/L	26.14000	126.00%	
QC value within limits for Tl 190.801 Recovery = Not calculated							
V 292.395†	20975.4	495.955 ug/L	0.0640	495.955 ug/L	0.0640	0.01%	
QC value within limits for V 292.395 Recovery = 99.19%							
Zn 206.200†	6586.4	972.149 ug/L	14.2481	972.149 ug/L	14.2481	1.47%	
QC value within limits for Zn 206.200 Recovery = 97.21%							

All analyte(s) passed QC.

Sequence No.: 13 **Autosampler Location: 14**
Sample ID: 2E09002-IFB2 **Date Collected: 5/9/2012 7:50:47 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2E09002-IFB2

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	533017.5	533017.5	98.79	%			07:52:01
1	Y 371.029	682101.8	682101.8	99.47	%			07:52:01
1	Ag 328.068†	-867.8	-429.0	5.15426	ug/L	5.15426	ug/L	07:52:07
1	Al 396.146†	13686.0	13253.9	969.724	ug/L	969.724	ug/L	07:52:07
1	As 188.979†	348.5	349.0	972.379	ug/L	972.379	ug/L	07:52:27
1	B 249.769†	39545.3	39592.6	981.285	ug/L	981.285	ug/L	07:52:07
1	Ba 455.403†	26.8	-255.1	-1.60174	ug/L	-1.60174	ug/L	07:52:07
1	Be 234.863†	220.6	65.1	-0.361680	ug/L	-0.361680	ug/L	07:52:27
1	Ca 315.874†	87552.1	88479.0	5.08313	mg/L	5.08313	mg/L	07:52:07
1	Cd 214.436†	-212.6	-159.3	-1.29511	ug/L	-1.29511	ug/L	07:52:27
1	Ce 413.764†	12.9	-20.7	4.09515	ug/L	4.09515	ug/L	07:52:07
1	Co 228.616†	256.0	299.8	-1.08718	ug/L	-1.08718	ug/L	07:52:27
1	Cr 205.563†	118993.7	120416.9	20070.0	ug/L	20070.0	ug/L	07:52:07
1	Cu 324.741†	284471.4	288109.4	19759.4	ug/L	19759.4	ug/L	07:52:01
1	Fe 238.204†	356.6	191.2	-2.05321	ug/L	-2.05321	ug/L	07:52:27
1	K 766.490†	2457.5	256.9	0.0180817	mg/L	0.0180817	mg/L	07:52:07
1	Li 670.784†	2230.9	363.5	0.400576	ug/L	0.400576	ug/L	07:52:07
1	Mg 279.071†	16976.7	17006.7	5.03848	mg/L	5.03848	mg/L	07:52:07
1	Mn 257.610†	3212014.1	3251318.6	19937.9	ug/L	19937.9	ug/L	07:52:01
1	Mo 202.031†	3255.4	3285.3	999.472	ug/L	999.472	ug/L	07:52:27
1	Na 589.592†	62003.4	62214.6	5.08857	mg/L	5.08857	mg/L	07:52:07
1	Ni 231.604†	186201.1	188510.7	19948.1	ug/L	19948.1	ug/L	07:52:07
1	Pb 220.353†	-86.6	-8.2	-11.3516	ug/L	-11.3516	ug/L	07:52:27
1	Sb 217.584†	618.5	612.8	1038.48	ug/L	1038.48	ug/L	07:52:27
1	Se 196.026†	383.6	409.5	1021.11	ug/L	1021.11	ug/L	07:52:27
1	Si 251.611†	5735.3	5264.8	-450.573	ug/L	-450.573	ug/L	07:52:07
1	Sn 189.927†	-11.3	-6.4	-16.1945	ug/L	-16.1945	ug/L	07:52:27
1	Sr 407.771†	981.4	-866.6	-6.15316	ug/L	-6.15316	ug/L	07:52:07
1	Ti 334.946†	4138712.9	4188044.3	19835.6	ug/L	19835.6	ug/L	07:52:01
1	Tl 190.801†	152.5	156.0	969.658	ug/L	969.658	ug/L	07:52:27
1	V 292.395†	814196.3	824290.6	19651.7	ug/L	19651.7	ug/L	07:52:01
1	Zn 206.200†	203.3	149.3	-0.550796	ug/L	-0.550796	ug/L	07:52:07
2	Sc 357.234	539167.3	539167.3	99.93	%			07:52:36
2	Y 371.029	690540.6	690540.6	100.7	%			07:52:36
2	Ag 328.068†	-919.6	-470.8	4.04073	ug/L	4.04073	ug/L	07:52:42
2	Al 396.146†	13663.1	13073.1	955.734	ug/L	955.734	ug/L	07:52:42
2	As 188.979†	361.9	358.3	1000.16	ug/L	1000.16	ug/L	07:53:02
2	B 249.769†	39725.8	39316.7	974.413	ug/L	974.413	ug/L	07:52:42
2	Ba 455.403†	36.1	-246.1	-1.58746	ug/L	-1.58746	ug/L	07:52:42
2	Be 234.863†	210.8	52.7	-0.399078	ug/L	-0.399078	ug/L	07:53:02
2	Ca 315.874†	87547.0	87463.1	5.02405	mg/L	5.02405	mg/L	07:52:42
2	Cd 214.436†	-205.9	-150.2	-0.805589	ug/L	-0.805589	ug/L	07:53:02

2	Ce 413.764†	-10.7	-44.4	0.676667 ug/L	0.676667 ug/L	07:52:42
2	Co 228.616†	242.2	282.9	-3.09239 ug/L	-3.09239 ug/L	07:53:02
2	Cr 205.563†	119136.9	119186.4	19864.9 ug/L	19864.9 ug/L	07:52:42
2	Cu 324.741†	288105.9	288462.0	19783.4 ug/L	19783.4 ug/L	07:52:36
2	Fe 238.204†	371.6	202.1	-1.19350 ug/L	-1.19350 ug/L	07:53:02
2	K 766.490†	2405.8	176.7	0.0045271 mg/L	0.0045271 mg/L	07:52:42
2	Li 670.784†	2236.7	343.6	0.317317 ug/L	0.317317 ug/L	07:52:42
2	Mg 279.071†	17094.4	16928.4	5.01518 mg/L	5.01518 mg/L	07:52:42
2	Mn 257.610†	3225903.5	3228132.7	19795.7 ug/L	19795.7 ug/L	07:52:36
2	Mo 202.031†	3241.5	3233.7	983.833 ug/L	983.833 ug/L	07:53:02
2	Na 589.592†	62080.1	61575.5	5.03591 mg/L	5.03591 mg/L	07:52:42
2	Ni 231.604†	186263.0	186422.8	19727.1 ug/L	19727.1 ug/L	07:52:42
2	Pb 220.353†	-59.4	20.0	7.75038 ug/L	7.75038 ug/L	07:53:02
2	Sb 217.584†	625.0	612.1	1039.61 ug/L	1039.61 ug/L	07:53:02
2	Se 196.026†	380.2	401.7	1000.70 ug/L	1000.70 ug/L	07:53:02
2	Si 251.611†	5925.6	5389.1	-425.733 ug/L	-425.733 ug/L	07:52:42
2	Sn 189.927†	-8.5	-3.5	-9.42703 ug/L	-9.42703 ug/L	07:53:02
2	Sr 407.771†	1017.8	-841.5	-6.13872 ug/L	-6.13872 ug/L	07:52:42
2	Ti 334.946†	4163342.8	4164906.9	19726.0 ug/L	19726.0 ug/L	07:52:36
2	Tl 190.801†	150.2	151.9	944.955 ug/L	944.955 ug/L	07:53:02
2	V 292.395†	818787.4	819484.4	19537.1 ug/L	19537.1 ug/L	07:52:36
2	Zn 206.200†	218.0	161.6	1.49687 ug/L	1.49687 ug/L	07:52:42

Mean Data: 2E09002-IFB2

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	536092.4	99.36	%	0.806				0.81%
Y 371.029	686321.2	100.1	%	0.87				0.87%
Ag 328.068†	-449.9	4.59749	ug/L	0.787383	4.59749	ug/L	0.787383	17.13%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	13163.5	962.729	ug/L	9.8919	962.729	ug/L	9.8919	1.03%
QC value within limits for Al 396.146 Recovery = 96.27%								
As 188.979†	353.7	986.271	ug/L	19.6462	986.271	ug/L	19.6462	1.99%
QC value within limits for As 188.979 Recovery = 98.63%								
B 249.769†	39454.6	977.849	ug/L	4.8591	977.849	ug/L	4.8591	0.50%
QC value within limits for B 249.769 Recovery = 97.78%								
Ba 455.403†	-250.6	-1.59460	ug/L	0.010097	-1.59460	ug/L	0.010097	0.63%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	58.9	-0.380379	ug/L	0.0264443	-0.380379	ug/L	0.0264443	6.95%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	87971.1	5.05359	mg/L	0.041779	5.05359	mg/L	0.041779	0.83%
QC value within limits for Ca 315.874 Recovery = 101.07%								
Cd 214.436†	-154.8	-1.05035	ug/L	0.346142	-1.05035	ug/L	0.346142	32.95%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	-32.5	2.38591	ug/L	2.417229	2.38591	ug/L	2.417229	101.31%
Co 228.616†	291.3	-2.08978	ug/L	1.417900	-2.08978	ug/L	1.417900	67.85%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	119801.6	19967.4	ug/L	145.03	19967.4	ug/L	145.03	0.73%
QC value within limits for Cr 205.563 Recovery = 99.84%								
Cu 324.741†	288285.7	19771.4	ug/L	16.92	19771.4	ug/L	16.92	0.09%
QC value within limits for Cu 324.741 Recovery = 98.86%								
Fe 238.204†	196.7	-1.62336	ug/L	0.607904	-1.62336	ug/L	0.607904	37.45%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	216.8	0.0113044	mg/L	0.00958453	0.0113044	mg/L	0.00958453	84.79%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	353.6	0.358947	ug/L	0.0588732	0.358947	ug/L	0.0588732	16.40%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	16967.6	5.02683	mg/L	0.016480	5.02683	mg/L	0.016480	0.33%
QC value within limits for Mg 279.071 Recovery = 100.54%								
Mn 257.610†	3239725.6	19866.8	ug/L	100.54	19866.8	ug/L	100.54	0.51%
QC value within limits for Mn 257.610 Recovery = 99.33%								
Mo 202.031†	3259.5	991.652	ug/L	11.0587	991.652	ug/L	11.0587	1.12%
QC value within limits for Mo 202.031 Recovery = 99.17%								
Na 589.592†	61895.1	5.06224	mg/L	0.037237	5.06224	mg/L	0.037237	0.74%
QC value within limits for Na 589.592 Recovery = 101.24%								
Ni 231.604†	187466.7	19837.6	ug/L	156.25	19837.6	ug/L	156.25	0.79%
QC value within limits for Ni 231.604 Recovery = 99.19%								
Pb 220.353†	5.9	-1.80062	ug/L	13.507149	-1.80062	ug/L	13.507149	750.14%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	612.4	1039.05	ug/L	0.796	1039.05	ug/L	0.796	0.08%
QC value within limits for Sb 217.584 Recovery = 103.90%								

Se 196.026†	405.6	1010.90 ug/L	14.435	1010.90 ug/L	14.435	1.43%	
QC value within limits for Se 196.026 Recovery = 101.09%							
Si 251.611†	5326.9	-438.153 ug/L	17.5642	-438.153 ug/L	17.5642	4.01%	
QC value less than the lower limit for Si 251.611 Recovery = Not calculated							
Sn 189.927†	-4.9	-12.8108 ug/L	4.78533	-12.8108 ug/L	4.78533	37.35%	
QC value within limits for Sn 189.927 Recovery = Not calculated							
Sr 407.771†	-854.0	-6.14594 ug/L	0.010216	-6.14594 ug/L	0.010216	0.17%	
QC value within limits for Sr 407.771 Recovery = Not calculated							
Ti 334.946†	4176475.6	19780.8 ug/L	77.49	19780.8 ug/L	77.49	0.39%	
QC value within limits for Ti 334.946 Recovery = 98.90%							
Tl 190.801†	153.9	957.306 ug/L	17.4676	957.306 ug/L	17.4676	1.82%	
QC value within limits for Tl 190.801 Recovery = 95.73%							
V 292.395†	821887.5	19594.4 ug/L	81.08	19594.4 ug/L	81.08	0.41%	
QC value within limits for V 292.395 Recovery = 97.97%							
Zn 206.200†	155.5	0.473038 ug/L	1.4479209	0.473038 ug/L	1.4479209	306.09%	
QC value within limits for Zn 206.200 Recovery = Not calculated							
QC Failed. Continue with analysis.							

Sequence No.: 14
Sample ID: 2E09002-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/9/2012 7:57:20 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E09002-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	540824.6	540824.6	100.2	%			07:58:35
1	Y 371.029	691359.7	691359.7	100.8	%			07:58:35
1	Ag 328.068†	20282.1	20683.7	498.723	ug/L	498.723	ug/L	07:58:40
1	Al 396.146†	33618.4	32939.3	2510.69	ug/L	2510.69	ug/L	07:58:40
1	As 188.979†	849.9	844.1	2453.66	ug/L	2453.66	ug/L	07:59:00
1	B 249.769†	20679.3	20193.4	497.585	ug/L	497.585	ug/L	07:58:40
1	Ba 455.403†	264085.7	263178.9	503.439	ug/L	503.439	ug/L	07:58:35
1	Be 234.863†	14775.1	14582.0	49.6075	ug/L	49.6075	ug/L	07:58:40
1	Ca 315.874†	86817.9	86467.3	4.96613	mg/L	4.96613	mg/L	07:58:40
1	Cd 214.436†	8802.2	8837.2	488.758	ug/L	488.758	ug/L	07:58:40
1	Ce 413.764†	119.4	85.4	12.2460	ug/L	12.2460	ug/L	07:58:40
1	Co 228.616†	3661.2	3693.1	495.382	ug/L	495.382	ug/L	07:59:00
1	Cr 205.563†	3032.2	2990.9	497.045	ug/L	497.045	ug/L	07:59:00
1	Cu 324.741†	7953.5	8088.8	554.148	ug/L	554.148	ug/L	07:58:40
1	Fe 238.204†	7501.2	7313.7	495.880	ug/L	495.880	ug/L	07:58:40
1	K 766.490†	31819.4	29513.3	4.96615	mg/L	4.96615	mg/L	07:58:35
1	Li 670.784†	122703.8	120518.9	503.296	ug/L	503.296	ug/L	07:58:35
1	Mg 279.071†	16912.9	16694.9	4.94559	mg/L	4.94559	mg/L	07:58:40
1	Mn 257.610†	81686.6	81460.8	498.677	ug/L	498.677	ug/L	07:58:40
1	Mo 202.031†	1643.5	1629.6	493.832	ug/L	493.832	ug/L	07:59:00
1	Na 589.592†	61573.8	60880.0	4.97861	mg/L	4.97861	mg/L	07:58:35
1	Ni 231.604†	4614.1	4632.4	490.310	ug/L	490.310	ug/L	07:58:40
1	Pb 220.353†	661.6	739.4	494.320	ug/L	494.320	ug/L	07:59:00
1	Sb 217.584†	1166.2	1150.1	2455.61	ug/L	2455.61	ug/L	07:59:00
1	Se 196.026†	940.7	959.7	2464.87	ug/L	2464.87	ug/L	07:59:00
1	Si 251.611†	17349.2	16767.5	2396.71	ug/L	2396.71	ug/L	07:58:40
1	Sn 189.927†	1072.0	1074.5	2475.41	ug/L	2475.41	ug/L	07:59:00
1	Sr 407.771†	1161292.2	1156685.3	501.214	ug/L	501.214	ug/L	07:58:35
1	Ti 334.946†	107717.6	106107.9	503.038	ug/L	503.038	ug/L	07:58:40
1	Tl 190.801†	414.2	414.8	2454.27	ug/L	2454.27	ug/L	07:59:00
1	V 292.395†	20836.3	20909.9	502.304	ug/L	502.304	ug/L	07:58:40
1	Zn 206.200†	3369.3	3304.9	490.714	ug/L	490.714	ug/L	07:59:00
2	Sc 357.234	533592.9	533592.9	98.90	%			07:59:08
2	Y 371.029	682304.5	682304.5	99.50	%			07:59:08
2	Ag 328.068†	20281.8	20957.6	505.331	ug/L	505.331	ug/L	07:59:13
2	Al 396.146†	33466.7	33240.4	2533.56	ug/L	2533.56	ug/L	07:59:13
2	As 188.979†	857.5	863.3	2509.84	ug/L	2509.84	ug/L	07:59:33
2	B 249.769†	20746.6	20541.0	506.231	ug/L	506.231	ug/L	07:59:13
2	Ba 455.403†	262730.7	265379.4	507.661	ug/L	507.661	ug/L	07:59:08
2	Be 234.863†	14671.6	14677.0	49.9311	ug/L	49.9311	ug/L	07:59:13
2	Ca 315.874†	86459.9	87279.1	5.01334	mg/L	5.01334	mg/L	07:59:13
2	Cd 214.436†	8762.5	8916.1	493.105	ug/L	493.105	ug/L	07:59:13
2	Ce 413.764†	116.8	84.4	12.1009	ug/L	12.1009	ug/L	07:59:13

2	Co 228.616†	3662.4	3743.9	502.228 ug/L	502.228 ug/L	07:59:33
2	Cr 205.563†	3018.6	3018.2	501.586 ug/L	501.586 ug/L	07:59:33
2	Cu 324.741†	7930.4	8173.0	559.922 ug/L	559.922 ug/L	07:59:13
2	Fe 238.204†	7487.6	7401.3	501.832 ug/L	501.832 ug/L	07:59:13
2	K 766.490†	31766.2	29889.7	5.02981 mg/L	5.02981 mg/L	07:59:08
2	Li 670.784†	121952.3	121418.1	507.060 ug/L	507.060 ug/L	07:59:08
2	Mg 279.071†	16938.5	16949.5	5.02145 mg/L	5.02145 mg/L	07:59:13
2	Mn 257.610†	81394.3	82269.7	503.640 ug/L	503.640 ug/L	07:59:13
2	Mo 202.031†	1669.8	1678.4	508.603 ug/L	508.603 ug/L	07:59:33
2	Na 589.592†	61193.4	61327.9	5.01551 mg/L	5.01551 mg/L	07:59:08
2	Ni 231.604†	4620.5	4701.3	497.619 ug/L	497.619 ug/L	07:59:13
2	Pb 220.353†	662.9	749.7	501.328 ug/L	501.328 ug/L	07:59:33
2	Sb 217.584†	1179.3	1179.2	2517.66 ug/L	2517.66 ug/L	07:59:33
2	Se 196.026†	941.1	972.8	2499.06 ug/L	2499.06 ug/L	07:59:33
2	Si 251.611†	17220.0	16871.3	2411.41 ug/L	2411.41 ug/L	07:59:13
2	Sn 189.927†	1069.8	1086.8	2503.83 ug/L	2503.83 ug/L	07:59:33
2	Sr 407.771†	1153172.0	1164176.1	504.493 ug/L	504.493 ug/L	07:59:08
2	Ti 334.946†	107347.8	107190.5	508.166 ug/L	508.166 ug/L	07:59:13
2	Tl 190.801†	415.4	421.6	2494.84 ug/L	2494.84 ug/L	07:59:33
2	V 292.395†	20707.9	21061.8	506.050 ug/L	506.050 ug/L	07:59:13
2	Zn 206.200†	3386.9	3368.3	500.158 ug/L	500.158 ug/L	07:59:33

Mean Data: 2E09002-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	537208.7	99.57	%	0.948				0.95%
Y 371.029	686832.1	100.2	%	0.93				0.93%
Ag 328.068†	20820.6	502.027	ug/L	4.6725	502.027	ug/L	4.6725	0.93%
QC value within limits for Ag 328.068 Recovery = 100.41%								
Al 396.146†	33089.8	2522.13	ug/L	16.171	2522.13	ug/L	16.171	0.64%
QC value within limits for Al 396.146 Recovery = 100.89%								
As 188.979†	853.7	2481.75	ug/L	39.728	2481.75	ug/L	39.728	1.60%
QC value within limits for As 188.979 Recovery = 99.27%								
B 249.769†	20367.2	501.908	ug/L	6.1136	501.908	ug/L	6.1136	1.22%
QC value within limits for B 249.769 Recovery = 100.38%								
Ba 455.403†	264279.1	505.550	ug/L	2.9853	505.550	ug/L	2.9853	0.59%
QC value within limits for Ba 455.403 Recovery = 101.11%								
Be 234.863†	14629.5	49.7693	ug/L	0.22877	49.7693	ug/L	0.22877	0.46%
QC value within limits for Be 234.863 Recovery = 99.54%								
Ca 315.874†	86873.2	4.98973	mg/L	0.033387	4.98973	mg/L	0.033387	0.67%
QC value within limits for Ca 315.874 Recovery = 99.79%								
Cd 214.436†	8876.7	490.931	ug/L	3.0738	490.931	ug/L	3.0738	0.63%
QC value within limits for Cd 214.436 Recovery = 98.19%								
Ce 413.764†	84.9	12.1734	ug/L	0.10265	12.1734	ug/L	0.10265	0.84%
Co 228.616†	3718.5	498.805	ug/L	4.8403	498.805	ug/L	4.8403	0.97%
QC value within limits for Co 228.616 Recovery = 99.76%								
Cr 205.563†	3004.6	499.316	ug/L	3.2108	499.316	ug/L	3.2108	0.64%
QC value within limits for Cr 205.563 Recovery = 99.86%								
Cu 324.741†	8130.9	557.035	ug/L	4.0825	557.035	ug/L	4.0825	0.73%
QC value greater than the upper limit for Cu 324.741 Recovery = 111.41%								
Fe 238.204†	7357.5	498.856	ug/L	4.2087	498.856	ug/L	4.2087	0.84%
QC value within limits for Fe 238.204 Recovery = 99.77%								
K 766.490†	29701.5	4.99798	mg/L	0.045016	4.99798	mg/L	0.045016	0.90%
QC value within limits for K 766.490 Recovery = 99.96%								
Li 670.784†	120968.5	505.178	ug/L	2.6612	505.178	ug/L	2.6612	0.53%
QC value within limits for Li 670.784 Recovery = 101.04%								
Mg 279.071†	16822.2	4.98352	mg/L	0.053638	4.98352	mg/L	0.053638	1.08%
QC value within limits for Mg 279.071 Recovery = 99.67%								
Mn 257.610†	81865.3	501.158	ug/L	3.5097	501.158	ug/L	3.5097	0.70%
QC value within limits for Mn 257.610 Recovery = 100.23%								
Mo 202.031†	1654.0	501.218	ug/L	10.4446	501.218	ug/L	10.4446	2.08%
QC value within limits for Mo 202.031 Recovery = 100.24%								
Na 589.592†	61103.9	4.99706	mg/L	0.026095	4.99706	mg/L	0.026095	0.52%
QC value within limits for Na 589.592 Recovery = 99.94%								
Ni 231.604†	4666.8	493.965	ug/L	5.1682	493.965	ug/L	5.1682	1.05%
QC value within limits for Ni 231.604 Recovery = 98.79%								
Pb 220.353†	744.6	497.824	ug/L	4.9550	497.824	ug/L	4.9550	1.00%
QC value within limits for Pb 220.353 Recovery = 99.56%								
Sb 217.584†	1164.7	2486.63	ug/L	43.874	2486.63	ug/L	43.874	1.76%
QC value within limits for Sb 217.584 Recovery = 99.47%								
Se 196.026†	966.2	2481.97	ug/L	24.180	2481.97	ug/L	24.180	0.97%

QC value within limits for Se 196.026 Recovery = 99.28%

Si 251.611†	16819.4	2404.06 ug/L	10.393	2404.06 ug/L	10.393	0.43%
QC value within limits for Si 251.611 Recovery = 96.16%							
Sn 189.927†	1080.7	2489.62 ug/L	20.094	2489.62 ug/L	20.094	0.81%
QC value within limits for Sn 189.927 Recovery = 99.58%							
Sr 407.771†	1160430.7	502.854 ug/L	2.3181	502.854 ug/L	2.3181	0.46%
QC value within limits for Sr 407.771 Recovery = 100.57%							
Ti 334.946†	106649.2	505.602 ug/L	3.6254	505.602 ug/L	3.6254	0.72%
QC value within limits for Ti 334.946 Recovery = 101.12%							
Tl 190.801†	418.2	2474.56 ug/L	28.682	2474.56 ug/L	28.682	1.16%
QC value within limits for Tl 190.801 Recovery = 98.98%							
V 292.395†	20985.9	504.177 ug/L	2.6492	504.177 ug/L	2.6492	0.53%
QC value within limits for V 292.395 Recovery = 100.84%							
Zn 206.200†	3336.6	495.436 ug/L	6.6778	495.436 ug/L	6.6778	1.35%
QC value within limits for Zn 206.200 Recovery = 99.09%							

QC Failed. Continue with analysis.

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Sequence No.: 15 **Autosampler Location: 1**
Sample ID: 2E09002-CCB **Date Collected: 5/9/2012 8:00:50 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 2E09002-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	532081.6	532081.6	98.62	%			08:01:59
1	Y 371.029	676015.0	676015.0	98.58	%			08:01:59
1	Ag 328.068†	-392.1	51.9	0.707805	ug/L	0.707805	ug/L	08:01:59
1	Al 396.146†	597.8	6.5	-24.9481	ug/L	-24.9481	ug/L	08:01:59
1	As 188.979†	17.3	13.7	24.0409	ug/L	24.0409	ug/L	08:02:19
1	B 249.769†	697.2	270.0	2.26833	ug/L	2.26833	ug/L	08:02:19
1	Ba 455.403†	266.9	-11.5	-1.51875	ug/L	-1.51875	ug/L	08:01:59
1	Be 234.863†	169.9	14.0	-0.0084272	ug/L	-0.0084272	ug/L	08:02:19
1	Ca 315.874†	290.5	149.3	-0.0541611	mg/L	-0.0541611	mg/L	08:01:59
1	Cd 214.436†	-55.4	-0.3	1.52300	ug/L	1.52300	ug/L	08:02:19
1	Ce 413.764†	60.4	27.6	3.92717	ug/L	3.92717	ug/L	08:01:59
1	Co 228.616†	-46.0	-6.0	-1.94637	ug/L	-1.94637	ug/L	08:02:19
1	Cr 205.563†	46.8	13.4	1.07615	ug/L	1.07615	ug/L	08:02:19
1	Cu 324.741†	343.3	502.3	33.8101	ug/L	33.8101	ug/L	08:01:59
1	Fe 238.204†	137.8	-30.1	-2.74332	ug/L	-2.74332	ug/L	08:02:19
1	K 766.490†	2284.9	86.2	-0.0107884	mg/L	-0.0107884	mg/L	08:01:59
1	Li 670.784†	2271.0	408.2	0.586704	ug/L	0.586704	ug/L	08:01:59
1	Mg 279.071†	118.6	-57.7	-0.0462149	mg/L	-0.0462149	mg/L	08:01:59
1	Mn 257.610†	145.7	115.2	-0.288390	ug/L	-0.288390	ug/L	08:02:19
1	Mo 202.031†	8.4	-1.5	0.660200	ug/L	0.660200	ug/L	08:02:19
1	Na 589.592†	557.1	16.8	-0.0361614	mg/L	-0.0361614	mg/L	08:01:59
1	Ni 231.604†	-21.4	7.5	0.774296	ug/L	0.774296	ug/L	08:02:19
1	Pb 220.353†	-64.0	14.5	0.829224	ug/L	0.829224	ug/L	08:02:19
1	Sb 217.584†	14.6	1.4	7.47733	ug/L	7.47733	ug/L	08:02:19
1	Se 196.026†	-17.3	3.7	-28.8701	ug/L	-28.8701	ug/L	08:02:19
1	Si 251.611†	533.8	0.5	-9.89573	ug/L	-9.89573	ug/L	08:02:19
1	Sn 189.927†	-3.8	1.2	-0.136192	ug/L	-0.136192	ug/L	08:02:19
1	Sr 407.771†	1919.9	86.8	-5.22018	ug/L	-5.22018	ug/L	08:01:59
1	Ti 334.946†	1558.4	225.4	1.56518	ug/L	1.56518	ug/L	08:01:59
1	Tl 190.801†	-1.7	-0.1	-6.84435	ug/L	-6.84435	ug/L	08:02:19
1	V 292.395†	-71.7	50.3	0.978946	ug/L	0.978946	ug/L	08:01:59
1	Zn 206.200†	71.4	16.0	1.03431	ug/L	1.03431	ug/L	08:02:19
2	Sc 357.234	531592.3	531592.3	98.53	%			08:02:25
2	Y 371.029	675783.1	675783.1	98.55	%			08:02:25
2	Ag 328.068†	-429.0	14.1	-0.268015	ug/L	-0.268015	ug/L	08:02:25
2	Al 396.146†	501.3	-90.9	-35.0280	ug/L	-35.0280	ug/L	08:02:25
2	As 188.979†	9.5	5.8	0.844199	ug/L	0.844199	ug/L	08:02:46
2	B 249.769†	660.7	233.5	1.36257	ug/L	1.36257	ug/L	08:02:46
2	Ba 455.403†	286.9	9.0	-1.48337	ug/L	-1.48337	ug/L	08:02:25
2	Be 234.863†	157.4	1.6	-0.0506778	ug/L	-0.0506778	ug/L	08:02:46
2	Ca 315.874†	253.2	111.8	-0.0563467	mg/L	-0.0563467	mg/L	08:02:25
2	Cd 214.436†	-61.5	-6.6	1.17424	ug/L	1.17424	ug/L	08:02:46
2	Ce 413.764†	-73.0	-107.8	-15.3422	ug/L	-15.3422	ug/L	08:02:25
2	Co 228.616†	-58.5	-18.7	-3.65734	ug/L	-3.65734	ug/L	08:02:46

2	Cr 205.563†	27.9	-5.8	-2.11975 ug/L	-2.11975 ug/L	08:02:46
2	Cu 324.741†	279.2	437.4	29.3705 ug/L	29.3705 ug/L	08:02:25
2	Fe 238.204†	113.9	-54.1	-4.37641 ug/L	-4.37641 ug/L	08:02:46
2	K 766.490†	2322.9	126.8	-0.0039087 mg/L	-0.0039087 mg/L	08:02:25
2	Li 670.784†	2385.0	526.0	1.08171 ug/L	1.08171 ug/L	08:02:25
2	Mg 279.071†	93.6	-82.9	-0.0537350 mg/L	-0.0537350 mg/L	08:02:25
2	Mn 257.610†	102.4	71.4	-0.557779 ug/L	-0.557779 ug/L	08:02:46
2	Mo 202.031†	6.7	-3.3	0.113773 ug/L	0.113773 ug/L	08:02:46
2	Na 589.592†	753.4	216.5	-0.0197034 mg/L	-0.0197034 mg/L	08:02:25
2	Ni 231.604†	-16.5	12.5	1.31027 ug/L	1.31027 ug/L	08:02:46
2	Pb 220.353†	-61.0	17.5	2.84922 ug/L	2.84922 ug/L	08:02:46
2	Sb 217.584†	9.9	-3.3	-2.63266 ug/L	-2.63266 ug/L	08:02:46
2	Se 196.026†	1.8	23.0	21.6386 ug/L	21.6386 ug/L	08:02:46
2	Si 251.611†	506.4	-26.8	-13.8721 ug/L	-13.8721 ug/L	08:02:46
2	Sn 189.927†	-0.9	4.2	6.61541 ug/L	6.61541 ug/L	08:02:46
2	Sr 407.771†	1879.5	47.6	-5.25114 ug/L	-5.25114 ug/L	08:02:25
2	Ti 334.946†	1577.6	246.3	1.66449 ug/L	1.66449 ug/L	08:02:25
2	Tl 190.801†	-1.6	-0.1	-6.65731 ug/L	-6.65731 ug/L	08:02:46
2	V 292.395†	-114.9	6.4	-0.0690579 ug/L	-0.0690579 ug/L	08:02:25
2	Zn 206.200†	68.6	13.2	0.624688 ug/L	0.624688 ug/L	08:02:46

Mean Data: 2E09002-CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	531837.0	98.57	%	0.064				0.07%
Y 371.029	675899.1	98.56	%	0.024				0.02%
Ag 328.068†	33.0	0.219895	ug/L	0.6900084	0.219895	ug/L	0.6900084	313.79%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	-42.2	-29.9880	ug/L	7.12753	-29.9880	ug/L	7.12753	23.77%
QC value within limits for Al 396.146 Recovery = Not calculated								
As 188.979†	9.8	12.4426	ug/L	16.40256	12.4426	ug/L	16.40256	131.83%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	251.7	1.81545	ug/L	0.640467	1.81545	ug/L	0.640467	35.28%
QC value within limits for B 249.769 Recovery = Not calculated								
Ba 455.403†	-1.3	-1.50106	ug/L	0.025021	-1.50106	ug/L	0.025021	1.67%
QC value within limits for Ba 455.403 Recovery = Not calculated								
Be 234.863†	7.8	-0.0295525	ug/L	0.02987572	-0.0295525	ug/L	0.02987572	101.09%
QC value within limits for Be 234.863 Recovery = Not calculated								
Ca 315.874†	130.5	-0.0552539	mg/L	0.00154550	-0.0552539	mg/L	0.00154550	2.80%
QC value within limits for Ca 315.874 Recovery = Not calculated								
Cd 214.436†	-3.5	1.34862	ug/L	0.246613	1.34862	ug/L	0.246613	18.29%
QC value within limits for Cd 214.436 Recovery = Not calculated								
Ce 413.764†	-40.1	-5.70754	ug/L	13.625534	-5.70754	ug/L	13.625534	238.73%
Co 228.616†	-12.4	-2.80186	ug/L	1.209837	-2.80186	ug/L	1.209837	43.18%
QC value within limits for Co 228.616 Recovery = Not calculated								
Cr 205.563†	3.8	-0.521799	ug/L	2.2598442	-0.521799	ug/L	2.2598442	433.09%
QC value within limits for Cr 205.563 Recovery = Not calculated								
Cu 324.741†	469.9	31.5903	ug/L	3.13925	31.5903	ug/L	3.13925	9.94%
QC value greater than the upper limit for Cu 324.741 Recovery = Not calculated								
Fe 238.204†	-42.1	-3.55987	ug/L	1.154772	-3.55987	ug/L	1.154772	32.44%
QC value within limits for Fe 238.204 Recovery = Not calculated								
K 766.490†	106.5	-0.0073485	mg/L	0.00486467	-0.0073485	mg/L	0.00486467	66.20%
QC value within limits for K 766.490 Recovery = Not calculated								
Li 670.784†	467.1	0.834209	ug/L	0.3500244	0.834209	ug/L	0.3500244	41.96%
QC value within limits for Li 670.784 Recovery = Not calculated								
Mg 279.071†	-70.3	-0.0499749	mg/L	0.00531754	-0.0499749	mg/L	0.00531754	10.64%
QC value within limits for Mg 279.071 Recovery = Not calculated								
Mn 257.610†	93.3	-0.423085	ug/L	0.1904867	-0.423085	ug/L	0.1904867	45.02%
QC value within limits for Mn 257.610 Recovery = Not calculated								
Mo 202.031†	-2.4	0.386987	ug/L	0.3863823	0.386987	ug/L	0.3863823	99.84%
QC value within limits for Mo 202.031 Recovery = Not calculated								
Na 589.592†	116.6	-0.0279324	mg/L	0.01163756	-0.0279324	mg/L	0.01163756	41.66%
QC value within limits for Na 589.592 Recovery = Not calculated								
Ni 231.604†	10.0	1.04229	ug/L	0.378994	1.04229	ug/L	0.378994	36.36%
QC value within limits for Ni 231.604 Recovery = Not calculated								
Pb 220.353†	16.0	1.83922	ug/L	1.428353	1.83922	ug/L	1.428353	77.66%
QC value within limits for Pb 220.353 Recovery = Not calculated								
Sb 217.584†	-0.9	2.42234	ug/L	7.148842	2.42234	ug/L	7.148842	295.12%
QC value within limits for Sb 217.584 Recovery = Not calculated								
Se 196.026†	13.4	-3.61576	ug/L	35.715085	-3.61576	ug/L	35.715085	987.76%
QC value within limits for Se 196.026 Recovery = Not calculated								

Si 251.611†	-13.1	-11.8839 ug/L	2.81174	-11.8839 ug/L	2.81174	23.66%
QC value within limits for Si 251.611 Recovery = Not calculated						
Sn 189.927†	2.7	3.23961 ug/L	4.774106	3.23961 ug/L	4.774106	147.37%
QC value within limits for Sn 189.927 Recovery = Not calculated						
Sr 407.771†	67.2	-5.23566 ug/L	0.021889	-5.23566 ug/L	0.021889	0.42%
QC value within limits for Sr 407.771 Recovery = Not calculated						
Ti 334.946†	235.8	1.61483 ug/L	0.070224	1.61483 ug/L	0.070224	4.35%
QC value within limits for Ti 334.946 Recovery = Not calculated						
Tl 190.801†	-0.1	-6.75083 ug/L	0.132254	-6.75083 ug/L	0.132254	1.96%
QC value within limits for Tl 190.801 Recovery = Not calculated						
V 292.395†	28.3	0.454944 ug/L	0.7410507	0.454944 ug/L	0.7410507	162.89%
QC value within limits for V 292.395 Recovery = Not calculated						
Zn 206.200†	14.6	0.829501 ug/L	0.2896501	0.829501 ug/L	0.2896501	34.92%
QC value within limits for Zn 206.200 Recovery = Not calculated						

QC Failed. Continue with analysis.

Sequence No.: 16 **Autosampler Location: 17**
Sample ID: 1205737-BLK1 **Date Collected: 5/9/2012 8:04:00 AM**
Analyst: **Data Type: Original**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1205737-BLK1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	562492.6	562492.6	104.3	%			08:05:09
1	Y 371.029	718909.3	718909.3	104.8	%			08:05:09
1	Ag 328.068†	-475.4	-6.5	-0.719504	ug/L	-0.719504	ug/L	08:05:09
1	Al 396.146†	283.3	-327.9	-51.5737	ug/L	-51.5737	ug/L	08:05:09
1	As 188.979†	13.6	9.2	10.8612	ug/L	10.8612	ug/L	08:05:29
1	B 249.769†	512.6	54.7	-3.08937	ug/L	-3.08937	ug/L	08:05:29
1	Ba 455.403†	232.0	-59.6	-1.61221	ug/L	-1.61221	ug/L	08:05:09
1	Be 234.863†	153.4	-11.0	-0.0937480	ug/L	-0.0937480	ug/L	08:05:29
1	Ca 315.874†	532.7	365.7	-0.0415750	mg/L	-0.0415750	mg/L	08:05:09
1	Cd 214.436†	-53.5	4.5	1.79024	ug/L	1.79024	ug/L	08:05:29
1	Ce 413.764†	22.8	-11.9	-1.68798	ug/L	-1.68798	ug/L	08:05:09
1	Co 228.616†	-46.8	-4.2	-1.70959	ug/L	-1.70959	ug/L	08:05:29
1	Cr 205.563†	37.4	1.8	-0.850229	ug/L	-0.850229	ug/L	08:05:29
1	Cu 324.741†	165.2	312.6	20.8212	ug/L	20.8212	ug/L	08:05:09
1	Fe 238.204†	119.7	-54.9	-4.42737	ug/L	-4.42737	ug/L	08:05:29
1	K 766.490†	2299.7	-24.9	-0.0295739	mg/L	-0.0295739	mg/L	08:05:09
1	Li 670.784†	2046.2	68.1	-0.836141	ug/L	-0.836141	ug/L	08:05:09
1	Mg 279.071†	131.7	-51.6	-0.0443909	mg/L	-0.0443909	mg/L	08:05:29
1	Mn 257.610†	137.5	99.3	-0.386662	ug/L	-0.386662	ug/L	08:05:29
1	Mo 202.031†	7.3	-3.0	0.189986	ug/L	0.189986	ug/L	08:05:29
1	Na 589.592†	904.2	319.1	-0.0112484	mg/L	-0.0112484	mg/L	08:05:09
1	Ni 231.604†	-23.0	7.1	0.736837	ug/L	0.736837	ug/L	08:05:29
1	Pb 220.353†	-83.9	-1.1	-9.75158	ug/L	-9.75158	ug/L	08:05:29
1	Sb 217.584†	-6.8	-19.8	-37.7193	ug/L	-37.7193	ug/L	08:05:29
1	Se 196.026†	-6.9	14.6	-0.335925	ug/L	-0.335925	ug/L	08:05:29
1	Si 251.611†	531.4	-31.0	-14.4409	ug/L	-14.4409	ug/L	08:05:29
1	Sn 189.927†	-2.8	2.4	2.45291	ug/L	2.45291	ug/L	08:05:29
1	Sr 407.771†	1470.9	-449.1	-5.46042	ug/L	-5.46042	ug/L	08:05:09
1	Ti 334.946†	1504.1	87.9	0.914062	ug/L	0.914062	ug/L	08:05:09
1	Tl 190.801†	-4.5	-2.7	-22.1927	ug/L	-22.1927	ug/L	08:05:29
1	V 292.395†	-179.3	-49.0	-1.39177	ug/L	-1.39177	ug/L	08:05:09
1	Zn 206.200†	112.6	51.6	6.34746	ug/L	6.34746	ug/L	08:05:29
2	Sc 357.234	543953.9	543953.9	100.8	%			08:05:35
2	Y 371.029	693785.8	693785.8	101.2	%			08:05:35
2	Ag 328.068†	-439.1	14.0	-0.220741	ug/L	-0.220741	ug/L	08:05:35
2	Al 396.146†	315.6	-286.6	-48.1660	ug/L	-48.1660	ug/L	08:05:35
2	As 188.979†	5.2	1.3	-12.3372	ug/L	-12.3372	ug/L	08:05:55
2	B 249.769†	496.3	55.2	-3.07656	ug/L	-3.07656	ug/L	08:05:55
2	Ba 455.403†	230.3	-53.8	-1.60066	ug/L	-1.60066	ug/L	08:05:35
2	Be 234.863†	145.6	-13.8	-0.103020	ug/L	-0.103020	ug/L	08:05:55
2	Ca 315.874†	543.5	393.8	-0.0399418	mg/L	-0.0399418	mg/L	08:05:35
2	Cd 214.436†	-56.4	-0.1	1.53396	ug/L	1.53396	ug/L	08:05:55
2	Ce 413.764†	33.7	-0.2	-0.0303838	ug/L	-0.0303838	ug/L	08:05:35
2	Co 228.616†	-46.6	-5.6	-1.89525	ug/L	-1.89525	ug/L	08:05:55
2	Cr 205.563†	41.5	7.1	0.0289215	ug/L	0.0289215	ug/L	08:05:55

2	Cu 324.741†	130.6	283.6	18.8414 ug/L	18.8414 ug/L	08:05:35
2	Fe 238.204†	117.0	-53.7	-4.34594 ug/L	-4.34594 ug/L	08:05:55
2	K 766.490†	2481.1	230.2	0.0135697 mg/L	0.0135697 mg/L	08:05:35
2	Li 670.784†	2105.4	193.7	-0.310659 ug/L	-0.310659 ug/L	08:05:35
2	Mg 279.071†	113.4	-65.5	-0.0485336 mg/L	-0.0485336 mg/L	08:05:55
2	Mn 257.610†	104.6	71.2	-0.558984 ug/L	-0.558984 ug/L	08:05:55
2	Mo 202.031†	8.1	-2.0	0.503148 ug/L	0.503148 ug/L	08:05:55
2	Na 589.592†	1028.1	471.6	0.0013177 mg/L	0.0013177 mg/L	08:05:35
2	Ni 231.604†	2.6	31.7	3.34435 ug/L	3.34435 ug/L	08:05:55
2	Pb 220.353†	-68.2	11.8	-1.01999 ug/L	-1.01999 ug/L	08:05:55
2	Sb 217.584†	13.9	0.4	5.37988 ug/L	5.37988 ug/L	08:05:55
2	Se 196.026†	-5.7	15.6	2.09861 ug/L	2.09861 ug/L	08:05:55
2	Si 251.611†	565.6	20.3	-6.98771 ug/L	-6.98771 ug/L	08:05:55
2	Sn 189.927†	-2.7	2.4	2.44377 ug/L	2.44377 ug/L	08:05:55
2	Sr 407.771†	1339.0	-531.8	-5.49561 ug/L	-5.49561 ug/L	08:05:35
2	Ti 334.946†	1477.2	110.4	1.02059 ug/L	1.02059 ug/L	08:05:35
2	Tl 190.801†	0.1	1.7	3.59603 ug/L	3.59603 ug/L	08:05:55
2	V 292.395†	-176.4	-52.0	-1.45947 ug/L	-1.45947 ug/L	08:05:35
2	Zn 206.200†	97.5	40.2	4.65332 ug/L	4.65332 ug/L	08:05:55

Mean Data: 1205737-BLK1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	553223.3	102.5	%	2.43				2.37%
Y 371.029	706347.6	103.0	%	2.59				2.52%
Ag 328.068†	3.8	-0.470122	ug/L	0.3526785	-0.470122	ug/L	0.3526785	75.02%
Al 396.146†	-307.2	-49.8698	ug/L	2.40959	-49.8698	ug/L	2.40959	4.83%
As 188.979†	5.3	-0.737987	ug/L	16.4037581	-0.737987	ug/L	16.4037581	>999.9%
B 249.769†	55.0	-3.08297	ug/L	0.009059	-3.08297	ug/L	0.009059	0.29%
Ba 455.403†	-56.7	-1.60643	ug/L	0.008169	-1.60643	ug/L	0.008169	0.51%
Be 234.863†	-12.4	-0.0983839	ug/L	0.00655611	-0.0983839	ug/L	0.00655611	6.66%
Ca 315.874†	379.8	-0.0407584	mg/L	0.00115487	-0.0407584	mg/L	0.00115487	2.83%
Cd 214.436†	2.2	1.66210	ug/L	0.181214	1.66210	ug/L	0.181214	10.90%
Ce 413.764†	-6.0	-0.859180	ug/L	1.1720947	-0.859180	ug/L	1.1720947	136.42%
Co 228.616†	-4.9	-1.80242	ug/L	0.131282	-1.80242	ug/L	0.131282	7.28%
Cr 205.563†	4.4	-0.410654	ug/L	0.6216533	-0.410654	ug/L	0.6216533	151.38%
Cu 324.741†	298.1	19.8313	ug/L	1.39992	19.8313	ug/L	1.39992	7.06%
Fe 238.204†	-54.3	-4.38666	ug/L	0.057578	-4.38666	ug/L	0.057578	1.31%
K 766.490†	102.6	-0.0080021	mg/L	0.03050717	-0.0080021	mg/L	0.03050717	381.24%
Li 670.784†	130.9	-0.573400	ug/L	0.3715721	-0.573400	ug/L	0.3715721	64.80%
Mg 279.071†	-58.5	-0.0464622	mg/L	0.00292935	-0.0464622	mg/L	0.00292935	6.30%
Mn 257.610†	85.3	-0.472823	ug/L	0.1218500	-0.472823	ug/L	0.1218500	25.77%
Mo 202.031†	-2.5	0.346567	ug/L	0.2214384	0.346567	ug/L	0.2214384	63.89%
Na 589.592†	395.4	-0.0049653	mg/L	0.00888560	-0.0049653	mg/L	0.00888560	178.95%
Ni 231.604†	19.4	2.04059	ug/L	1.843792	2.04059	ug/L	1.843792	90.36%
Pb 220.353†	5.4	-5.38579	ug/L	6.174164	-5.38579	ug/L	6.174164	114.64%
Sb 217.584†	-9.7	-16.1697	ug/L	30.47571	-16.1697	ug/L	30.47571	188.47%
Se 196.026†	15.1	0.881344	ug/L	1.7214785	0.881344	ug/L	1.7214785	195.32%
Si 251.611†	-5.4	-10.7143	ug/L	5.27021	-10.7143	ug/L	5.27021	49.19%
Sn 189.927†	2.4	2.44834	ug/L	0.006463	2.44834	ug/L	0.006463	0.26%
Sr 407.771†	-490.5	-5.47801	ug/L	0.024882	-5.47801	ug/L	0.024882	0.45%
Ti 334.946†	99.1	0.967327	ug/L	0.0753276	0.967327	ug/L	0.0753276	7.79%
Tl 190.801†	-0.5	-9.29833	ug/L	18.235383	-9.29833	ug/L	18.235383	196.11%
V 292.395†	-50.5	-1.42562	ug/L	0.047875	-1.42562	ug/L	0.047875	3.36%
Zn 206.200†	45.9	5.50039	ug/L	1.197936	5.50039	ug/L	1.197936	21.78%

Sequence No.: 17
Sample ID: 1205737-BS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 18
Date Collected: 5/9/2012 8:07:07 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205737-BS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	549905.7	549905.7	101.9	%			08:08:17
1	Y 371.029	704566.3	704566.3	102.7	%			08:08:17
1	Ag 328.068†	15018.7	15185.3	366.033	ug/L	366.033	ug/L	08:08:22
1	Al 396.146†	24697.5	23632.5	1788.50	ug/L	1788.50	ug/L	08:08:22

1	As 188.979†	664.9	648.6	1862.81 ug/L	1862.81 ug/L	08:08:43
1	B 249.769†	15085.4	14364.2	352.615 ug/L	352.615 ug/L	08:08:22
1	Ba 455.403†	199955.2	195905.8	374.371 ug/L	374.371 ug/L	08:08:17
1	Be 234.863†	11115.3	10747.7	36.5466 ug/L	36.5466 ug/L	08:08:22
1	Ca 315.874†	320833.5	314643.7	18.2370 mg/L	18.2370 mg/L	08:08:17
1	Cd 214.436†	6700.3	6629.9	367.061 ug/L	367.061 ug/L	08:08:43
1	Ce 413.764†	169.2	132.3	18.5315 ug/L	18.5315 ug/L	08:08:22
1	Co 228.616†	2762.5	2751.0	368.749 ug/L	368.749 ug/L	08:08:43
1	Cr 205.563†	2318.9	2241.1	372.141 ug/L	372.141 ug/L	08:08:43
1	Cu 324.741†	5477.7	5528.6	379.075 ug/L	379.075 ug/L	08:08:22
1	Fe 238.204†	5946.4	5664.6	383.911 ug/L	383.911 ug/L	08:08:43
1	K 766.490†	113616.4	109245.1	18.4510 mg/L	18.4510 mg/L	08:08:17
1	Li 670.784†	93264.3	89612.6	373.941 ug/L	373.941 ug/L	08:08:17
1	Mg 279.071†	63411.0	62038.3	18.4566 mg/L	18.4566 mg/L	08:08:22
1	Mn 257.610†	60887.3	59707.6	365.249 ug/L	365.249 ug/L	08:08:22
1	Mo 202.031†	1277.7	1243.6	373.533 ug/L	373.533 ug/L	08:08:43
1	Na 589.592†	230808.2	225911.5	18.5762 mg/L	18.5762 mg/L	08:08:17
1	Ni 231.604†	3546.4	3508.8	371.402 ug/L	371.402 ug/L	08:08:43
1	Pb 220.353†	504.2	574.1	381.739 ug/L	381.739 ug/L	08:08:43
1	Sb 217.584†	901.5	871.2	1861.25 ug/L	1861.25 ug/L	08:08:43
1	Se 196.026†	709.4	717.3	1827.24 ug/L	1827.24 ug/L	08:08:43
1	Si 251.611†	12912.4	12128.3	1730.50 ug/L	1730.50 ug/L	08:08:22
1	Sn 189.927†	812.9	802.7	1852.93 ug/L	1852.93 ug/L	08:08:43
1	Sr 407.771†	879284.7	860858.8	370.243 ug/L	370.243 ug/L	08:08:17
1	Ti 334.946†	80340.6	77472.1	367.416 ug/L	367.416 ug/L	08:08:22
1	Tl 190.801†	312.3	308.0	1820.90 ug/L	1820.90 ug/L	08:08:43
1	V 292.395†	15669.5	15497.3	372.317 ug/L	372.317 ug/L	08:08:22
1	Zn 206.200†	2618.0	2512.2	371.707 ug/L	371.707 ug/L	08:08:43
2	Sc 357.234	546200.8	546200.8	101.2 %		08:08:50
2	Y 371.029	699456.4	699456.4	102.0 %		08:08:50
2	Ag 328.068†	15119.1	15384.3	370.784 ug/L	370.784 ug/L	08:08:55
2	Al 396.146†	24896.1	23993.1	1813.89 ug/L	1813.89 ug/L	08:08:55
2	As 188.979†	651.8	640.1	1837.38 ug/L	1837.38 ug/L	08:09:16
2	B 249.769†	15379.1	14754.6	362.334 ug/L	362.334 ug/L	08:08:55
2	Ba 455.403†	200180.1	197458.7	377.347 ug/L	377.347 ug/L	08:08:50
2	Be 234.863†	11274.3	10978.7	37.3341 ug/L	37.3341 ug/L	08:08:55
2	Ca 315.874†	321782.7	317716.5	18.4157 mg/L	18.4157 mg/L	08:08:50
2	Cd 214.436†	6728.1	6702.0	371.038 ug/L	371.038 ug/L	08:09:16
2	Ce 413.764†	45.6	11.4	1.31103 ug/L	1.31103 ug/L	08:08:55
2	Co 228.616†	2764.9	2771.8	371.545 ug/L	371.545 ug/L	08:09:16
2	Cr 205.563†	2311.5	2249.2	373.488 ug/L	373.488 ug/L	08:09:16
2	Cu 324.741†	5555.6	5642.0	386.853 ug/L	386.853 ug/L	08:08:55
2	Fe 238.204†	5943.2	5701.0	386.382 ug/L	386.382 ug/L	08:09:16
2	K 766.490†	113757.2	110140.3	18.6023 mg/L	18.6023 mg/L	08:08:50
2	Li 670.784†	93421.8	90388.8	377.191 ug/L	377.191 ug/L	08:08:50
2	Mg 279.071†	63939.4	62982.3	18.7379 mg/L	18.7379 mg/L	08:08:55
2	Mn 257.610†	61464.9	60683.4	371.235 ug/L	371.235 ug/L	08:08:55
2	Mo 202.031†	1289.5	1263.7	379.564 ug/L	379.564 ug/L	08:09:16
2	Na 589.592†	231222.9	227857.4	18.7366 mg/L	18.7366 mg/L	08:08:50
2	Ni 231.604†	3549.1	3535.1	374.192 ug/L	374.192 ug/L	08:09:16
2	Pb 220.353†	470.7	544.4	361.642 ug/L	361.642 ug/L	08:09:16
2	Sb 217.584†	908.9	884.5	1889.60 ug/L	1889.60 ug/L	08:09:16
2	Se 196.026†	723.4	735.8	1875.57 ug/L	1875.57 ug/L	08:09:16
2	Si 251.611†	13041.1	12341.5	1761.08 ug/L	1761.08 ug/L	08:08:55
2	Sn 189.927†	807.1	802.3	1852.15 ug/L	1852.15 ug/L	08:09:16
2	Sr 407.771†	880825.5	868232.7	373.445 ug/L	373.445 ug/L	08:08:50
2	Ti 334.946†	81216.4	78871.9	374.045 ug/L	374.045 ug/L	08:08:55
2	Tl 190.801†	312.6	310.4	1834.93 ug/L	1834.93 ug/L	08:09:16
2	V 292.395†	15891.6	15821.0	380.087 ug/L	380.087 ug/L	08:08:55
2	Zn 206.200†	2621.9	2533.5	374.875 ug/L	374.875 ug/L	08:09:16

Mean Data: 1205737-BS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	548053.2	101.6	%	0.49				0.48%
Y 371.029	702011.3	102.4	%	0.53				0.51%
Ag 328.068†	15284.8	368.409	ug/L	3.3596	368.409	ug/L	3.3596	0.91%
Al 396.146†	23812.8	1801.20	ug/L	17.954	1801.20	ug/L	17.954	1.00%
As 188.979†	644.3	1850.09	ug/L	17.981	1850.09	ug/L	17.981	0.97%
B 249.769†	14559.4	357.474	ug/L	6.8722	357.474	ug/L	6.8722	1.92%
Ba 455.403†	196682.2	375.859	ug/L	2.1044	375.859	ug/L	2.1044	0.56%

Be 234.863†	10863.2	36.9403 ug/L	0.55684	36.9403 ug/L	0.55684	1.51%
Ca 315.874†	316180.1	18.3263 mg/L	0.12637	18.3263 mg/L	0.12637	0.69%
Cd 214.436†	6665.9	369.049 ug/L	2.8117	369.049 ug/L	2.8117	0.76%
Ce 413.764†	71.9	9.92128 ug/L	12.176733	9.92128 ug/L	12.176733	122.73%
Co 228.616†	2761.4	370.147 ug/L	1.9767	370.147 ug/L	1.9767	0.53%
Cr 205.563†	2245.1	372.814 ug/L	0.9523	372.814 ug/L	0.9523	0.26%
Cu 324.741†	5585.3	382.964 ug/L	5.5000	382.964 ug/L	5.5000	1.44%
Fe 238.204†	5682.8	385.147 ug/L	1.7467	385.147 ug/L	1.7467	0.45%
K 766.490†	109692.7	18.5267 mg/L	0.10705	18.5267 mg/L	0.10705	0.58%
Li 670.784†	90000.7	375.566 ug/L	2.2985	375.566 ug/L	2.2985	0.61%
Mg 279.071†	62510.3	18.5973 mg/L	0.19889	18.5973 mg/L	0.19889	1.07%
Mn 257.610†	60195.5	368.242 ug/L	4.2325	368.242 ug/L	4.2325	1.15%
Mo 202.031†	1253.7	376.549 ug/L	4.2642	376.549 ug/L	4.2642	1.13%
Na 589.592†	226884.4	18.6564 mg/L	0.11337	18.6564 mg/L	0.11337	0.61%
Ni 231.604†	3521.9	372.797 ug/L	1.9728	372.797 ug/L	1.9728	0.53%
Pb 220.353†	559.3	371.691 ug/L	14.2112	371.691 ug/L	14.2112	3.82%
Sb 217.584†	877.8	1875.43 ug/L	20.045	1875.43 ug/L	20.045	1.07%
Se 196.026†	726.5	1851.40 ug/L	34.175	1851.40 ug/L	34.175	1.85%
Si 251.611†	12234.9	1745.79 ug/L	21.623	1745.79 ug/L	21.623	1.24%
Sn 189.927†	802.5	1852.54 ug/L	0.551	1852.54 ug/L	0.551	0.03%
Sr 407.771†	864545.7	371.844 ug/L	2.2639	371.844 ug/L	2.2639	0.61%
Ti 334.946†	78172.0	370.731 ug/L	4.6878	370.731 ug/L	4.6878	1.26%
Tl 190.801†	309.2	1827.92 ug/L	9.920	1827.92 ug/L	9.920	0.54%
V 292.395†	15659.1	376.202 ug/L	5.4945	376.202 ug/L	5.4945	1.46%
Zn 206.200†	2522.9	373.291 ug/L	2.2404	373.291 ug/L	2.2404	0.60%

Sequence No.: 18
Sample ID: 1204454-01
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 19
Date Collected: 5/9/2012 8:10:28 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204454-01

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	540324.5	540324.5	100.1	%			08:11:38
1	Y 371.029	689587.6	689587.6	100.6	%			08:11:38
1	Ag 328.068†	-408.7	41.4	0.457531	ug/L	0.457531	ug/L	08:11:43
1	Al 396.146†	844.3	243.5	-25.3473	ug/L	-25.3473	ug/L	08:11:43
1	As 188.979†	25.9	22.0	17.6660	ug/L	17.6660	ug/L	08:12:03
1	B 249.769†	2447.6	2007.1	45.4860	ug/L	45.4860	ug/L	08:12:03
1	Ba 455.403†	59612.1	59243.9	112.167	ug/L	112.167	ug/L	08:11:38
1	Be 234.863†	170.1	11.6	-0.0189066	ug/L	-0.0189066	ug/L	08:12:03
1	Ca 315.874†	755563.1	754328.3	43.8092	mg/L	43.8092	mg/L	08:11:38
1	Cd 214.436†	-25.2	30.7	3.22825	ug/L	3.22825	ug/L	08:12:03
1	Ce 413.764†	65.1	31.3	3.33781	ug/L	3.33781	ug/L	08:11:43
1	Co 228.616†	-45.9	-5.2	-1.81241	ug/L	-1.81241	ug/L	08:12:03
1	Cr 205.563†	38.6	4.4	-0.427458	ug/L	-0.427458	ug/L	08:12:03
1	Cu 324.741†	46.0	200.1	14.4756	ug/L	14.4756	ug/L	08:11:43
1	Fe 238.204†	454.2	283.8	18.5660	ug/L	18.5660	ug/L	08:12:03
1	K 766.490†	17451.6	15195.6	2.54464	mg/L	2.54464	mg/L	08:11:43
1	Li 670.784†	5906.9	4003.7	15.6354	ug/L	15.6354	ug/L	08:11:43
1	Mg 279.071†	21142.0	20933.6	6.20859	mg/L	6.20859	mg/L	08:11:43
1	Mn 257.610†	342.0	308.9	0.901853	ug/L	0.901853	ug/L	08:12:03
1	Mo 202.031†	41.8	31.7	9.18577	ug/L	9.18577	ug/L	08:12:03
1	Na 589.592†	286928.6	285966.7	23.5244	mg/L	23.5244	mg/L	08:11:38
1	Ni 231.604†	85.6	114.7	12.1446	ug/L	12.1446	ug/L	08:12:03
1	Pb 220.353†	-78.5	1.0	-8.29160	ug/L	-8.29160	ug/L	08:12:03
1	Sb 217.584†	24.9	11.6	29.3112	ug/L	29.3112	ug/L	08:12:03
1	Se 196.026†	-0.7	20.5	-1.06488	ug/L	-1.06488	ug/L	08:12:03
1	Si 251.611†	77295.1	76642.9	11147.3	ug/L	11147.3	ug/L	08:11:43
1	Sn 189.927†	-14.2	-9.1	-10.6057	ug/L	-10.6057	ug/L	08:12:03
1	Sr 407.771†	677551.9	674714.8	286.108	ug/L	286.108	ug/L	08:11:38
1	Ti 334.946†	-268.6	-1623.1	-7.18945	ug/L	-7.18945	ug/L	08:11:43
1	Tl 190.801†	-6.0	-4.4	-32.3103	ug/L	-32.3103	ug/L	08:12:03
1	V 292.395†	17.6	140.6	3.22312	ug/L	3.22312	ug/L	08:11:43
1	Zn 206.200†	398.6	341.6	48.3151	ug/L	48.3151	ug/L	08:12:03
2	Sc 357.234	554857.1	554857.1	102.8	%			08:12:10
2	Y 371.029	710191.4	710191.4	103.6	%			08:12:10
2	Ag 328.068†	-495.1	-32.0	-1.30889	ug/L	-1.30889	ug/L	08:12:16

2	Al 396.146†	801.1	179.3	-29.6508 ug/L	-29.6508 ug/L	08:12:16
2	As 188.979†	23.5	19.0	9.71634 ug/L	9.71634 ug/L	08:12:36
2	B 249.769†	2466.5	1961.4	44.3493 ug/L	44.3493 ug/L	08:12:36
2	Ba 455.403†	59363.6	57443.2	108.712 ug/L	108.712 ug/L	08:12:10
2	Be 234.863†	161.4	-1.3	-0.0628518 ug/L	-0.0628518 ug/L	08:12:36
2	Ca 315.874†	751576.0	730690.3	42.4344 mg/L	42.4344 mg/L	08:12:10
2	Cd 214.436†	-49.9	7.3	1.94076 ug/L	1.94076 ug/L	08:12:36
2	Ce 413.764†	70.8	35.1	3.91530 ug/L	3.91530 ug/L	08:12:16
2	Co 228.616†	-45.5	-3.6	-1.60180 ug/L	-1.60180 ug/L	08:12:36
2	Cr 205.563†	31.9	-3.0	-1.67607 ug/L	-1.67607 ug/L	08:12:36
2	Cu 324.741†	33.5	186.7	13.5199 ug/L	13.5199 ug/L	08:12:16
2	Fe 238.204†	465.3	282.7	18.4936 ug/L	18.4936 ug/L	08:12:36
2	K 766.490†	17464.6	14751.9	2.46958 mg/L	2.46958 mg/L	08:12:16
2	Li 670.784†	5782.9	3728.6	14.4841 ug/L	14.4841 ug/L	08:12:16
2	Mg 279.071†	21263.0	20498.3	6.07889 mg/L	6.07889 mg/L	08:12:16
2	Mn 257.610†	311.7	270.6	0.666821 ug/L	0.666821 ug/L	08:12:36
2	Mo 202.031†	41.7	30.5	8.86128 ug/L	8.86128 ug/L	08:12:36
2	Na 589.592†	286546.6	278091.0	22.8755 mg/L	22.8755 mg/L	08:12:10
2	Ni 231.604†	112.2	138.3	14.6479 ug/L	14.6479 ug/L	08:12:36
2	Pb 220.353†	-55.3	25.7	8.41028 ug/L	8.41028 ug/L	08:12:36
2	Sb 217.584†	16.2	2.5	9.95961 ug/L	9.95961 ug/L	08:12:36
2	Se 196.026†	4.0	25.1	11.4634 ug/L	11.4634 ug/L	08:12:36
2	Si 251.611†	77566.1	74884.9	10891.4 ug/L	10891.4 ug/L	08:12:16
2	Sn 189.927†	-11.0	-5.6	-2.95631 ug/L	-2.95631 ug/L	08:12:36
2	Sr 407.771†	675180.2	654687.9	277.468 ug/L	277.468 ug/L	08:12:10
2	Ti 334.946†	-343.6	-1689.0	-7.50131 ug/L	-7.50131 ug/L	08:12:16
2	Tl 190.801†	-1.5	0.2	-5.18437 ug/L	-5.18437 ug/L	08:12:36
2	V 292.395†	41.8	163.6	3.76882 ug/L	3.76882 ug/L	08:12:16
2	Zn 206.200†	402.2	334.6	47.3180 ug/L	47.3180 ug/L	08:12:36

Mean Data: 1204454-01

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	547590.8	101.5	%	1.90				1.88%
Y 371.029	699889.5	102.1	%	2.12				2.08%
Ag 328.068†	4.7	-0.425678	ug/L	1.2490462	-0.425678	ug/L	1.2490462	293.42%
Al 396.146†	211.4	-27.4991	ug/L	3.04302	-27.4991	ug/L	3.04302	11.07%
As 188.979†	20.5	13.6912	ug/L	5.62123	13.6912	ug/L	5.62123	41.06%
B 249.769†	1984.2	44.9177	ug/L	0.80378	44.9177	ug/L	0.80378	1.79%
Ba 455.403†	58343.6	110.439	ug/L	2.4428	110.439	ug/L	2.4428	2.21%
Be 234.863†	5.2	-0.0408792	ug/L	0.03107401	-0.0408792	ug/L	0.03107401	76.01%
Ca 315.874†	742509.3	43.1218	mg/L	0.97213	43.1218	mg/L	0.97213	2.25%
Cd 214.436†	19.0	2.58451	ug/L	0.910393	2.58451	ug/L	0.910393	35.23%
Ce 413.764†	33.2	3.62656	ug/L	0.408346	3.62656	ug/L	0.408346	11.26%
Co 228.616†	-4.4	-1.70711	ug/L	0.148925	-1.70711	ug/L	0.148925	8.72%
Cr 205.563†	0.7	-1.05176	ug/L	0.882902	-1.05176	ug/L	0.882902	83.94%
Cu 324.741†	193.4	13.9978	ug/L	0.67581	13.9978	ug/L	0.67581	4.83%
Fe 238.204†	283.2	18.5298	ug/L	0.05120	18.5298	ug/L	0.05120	0.28%
K 766.490†	14973.8	2.50711	mg/L	0.053074	2.50711	mg/L	0.053074	2.12%
Li 670.784†	3866.2	15.0597	ug/L	0.81413	15.0597	ug/L	0.81413	5.41%
Mg 279.071†	20715.9	6.14374	mg/L	0.091712	6.14374	mg/L	0.091712	1.49%
Mn 257.610†	289.8	0.784337	ug/L	0.1661927	0.784337	ug/L	0.1661927	21.19%
Mo 202.031†	31.1	9.02352	ug/L	0.229447	9.02352	ug/L	0.229447	2.54%
Na 589.592†	282028.8	23.2000	mg/L	0.45885	23.2000	mg/L	0.45885	1.98%
Ni 231.604†	126.5	13.3963	ug/L	1.77009	13.3963	ug/L	1.77009	13.21%
Pb 220.353†	13.4	0.0593413	ug/L	11.8100162	0.0593413	ug/L	11.8100162	>999.9%
Sb 217.584†	7.0	19.6354	ug/L	13.68365	19.6354	ug/L	13.68365	69.69%
Se 196.026†	22.8	5.19924	ug/L	8.858794	5.19924	ug/L	8.858794	170.39%
Si 251.611†	75763.9	11019.4	ug/L	180.94	11019.4	ug/L	180.94	1.64%
Sn 189.927†	-7.4	-6.78102	ug/L	5.408952	-6.78102	ug/L	5.408952	79.77%
Sr 407.771†	664701.4	281.788	ug/L	6.1099	281.788	ug/L	6.1099	2.17%
Ti 334.946†	-1656.0	-7.34538	ug/L	0.220516	-7.34538	ug/L	0.220516	3.00%
Tl 190.801†	-2.1	-18.7473	ug/L	19.18092	-18.7473	ug/L	19.18092	102.31%
V 292.395†	152.1	3.49597	ug/L	0.385868	3.49597	ug/L	0.385868	11.04%
Zn 206.200†	338.1	47.8165	ug/L	0.70510	47.8165	ug/L	0.70510	1.47%

Sequence No.: 19
Sample ID: 1205737-MS1
Analyst:
Initial Sample Wt:

Autosampler Location: 20
Date Collected: 5/9/2012 8:13:49 AM
Data Type: Original
Initial Sample Vol:

Dilution: Sample Prep Vol:

Replicate Data: 1205737-MS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Conc.	Sample Units	Analysis Time
1	Sc 357.234	538308.9	538308.9	99.77	%			08:15:02
1	Y 371.029	687958.6	687958.6	100.3	%			08:15:02
1	Ag 328.068†	14942.2	15426.0	371.835	ug/L	371.835	ug/L	08:15:07
1	Al 396.146†	25308.8	24767.3	1856.50	ug/L	1856.50	ug/L	08:15:07
1	As 188.979†	666.8	664.6	1877.50	ug/L	1877.50	ug/L	08:15:28
1	B 249.769†	17338.9	16941.7	416.763	ug/L	416.763	ug/L	08:15:07
1	Ba 455.403†	254712.5	255015.4	487.775	ug/L	487.775	ug/L	08:15:02
1	Be 234.863†	11113.3	10980.7	37.3393	ug/L	37.3393	ug/L	08:15:07
1	Ca 315.874†	1091339.3	1093700.8	63.5472	mg/L	63.5472	mg/L	08:15:02
1	Cd 214.436†	6498.8	6569.5	363.733	ug/L	363.733	ug/L	08:15:28
1	Ce 413.764†	137.9	104.5	13.4074	ug/L	13.4074	ug/L	08:15:07
1	Co 228.616†	2645.0	2691.7	360.778	ug/L	360.778	ug/L	08:15:28
1	Cr 205.563†	2237.3	2208.4	366.673	ug/L	366.673	ug/L	08:15:28
1	Cu 324.741†	5346.6	5513.0	379.416	ug/L	379.416	ug/L	08:15:07
1	Fe 238.204†	6076.3	5920.5	401.283	ug/L	401.283	ug/L	08:15:28
1	K 766.490†	128724.3	126789.2	21.4181	mg/L	21.4181	mg/L	08:15:07
1	Li 670.784†	96525.5	94852.5	395.872	ug/L	395.872	ug/L	08:15:07
1	Mg 279.071†	85403.8	85422.0	25.4243	mg/L	25.4243	mg/L	08:15:07
1	Mn 257.610†	60234.3	60340.1	369.131	ug/L	369.131	ug/L	08:15:07
1	Mo 202.031†	1270.3	1263.2	377.777	ug/L	377.777	ug/L	08:15:28
1	Na 589.592†	522585.5	523237.7	43.0741	mg/L	43.0741	mg/L	08:15:02
1	Ni 231.604†	3516.2	3553.4	376.155	ug/L	376.155	ug/L	08:15:28
1	Pb 220.353†	465.9	546.4	362.988	ug/L	362.988	ug/L	08:15:28
1	Sb 217.584†	882.1	870.8	1860.67	ug/L	1860.67	ug/L	08:15:28
1	Se 196.026†	705.3	728.1	1839.05	ug/L	1839.05	ug/L	08:15:28
1	Si 251.611†	96474.3	96155.1	13962.3	ug/L	13962.3	ug/L	08:15:07
1	Sn 189.927†	792.4	799.3	1858.90	ug/L	1858.90	ug/L	08:15:28
1	Sr 407.771†	1550814.4	1552516.6	668.889	ug/L	668.889	ug/L	08:15:02
1	Ti 334.946†	78118.6	76943.2	364.911	ug/L	364.911	ug/L	08:15:07
1	Tl 190.801†	303.1	305.4	1805.24	ug/L	1805.24	ug/L	08:15:28
1	V 292.395†	15748.9	15908.1	382.167	ug/L	382.167	ug/L	08:15:07
1	Zn 206.200†	2786.5	2736.4	403.809	ug/L	403.809	ug/L	08:15:28
2	Sc 357.234	541729.5	541729.5	100.4	%			08:15:37
2	Y 371.029	693195.9	693195.9	101.1	%			08:15:37
2	Ag 328.068†	14413.8	14805.2	356.838	ug/L	356.838	ug/L	08:15:42
2	Al 396.146†	24748.3	24048.9	1799.96	ug/L	1799.96	ug/L	08:15:42
2	As 188.979†	661.4	655.0	1849.45	ug/L	1849.45	ug/L	08:16:02
2	B 249.769†	16961.8	16456.3	404.677	ug/L	404.677	ug/L	08:15:42
2	Ba 455.403†	259097.2	257770.4	493.060	ug/L	493.060	ug/L	08:15:37
2	Be 234.863†	10957.6	10755.2	36.5703	ug/L	36.5703	ug/L	08:15:42
2	Ca 315.874†	1107770.3	1103158.8	64.0973	mg/L	64.0973	mg/L	08:15:37
2	Cd 214.436†	6533.1	6562.6	363.347	ug/L	363.347	ug/L	08:16:02
2	Ce 413.764†	104.0	69.9	8.46686	ug/L	8.46686	ug/L	08:15:42
2	Co 228.616†	2672.5	2702.3	362.229	ug/L	362.229	ug/L	08:16:02
2	Cr 205.563†	2238.4	2195.3	364.496	ug/L	364.496	ug/L	08:16:02
2	Cu 324.741†	5205.4	5338.5	367.470	ug/L	367.470	ug/L	08:15:42
2	Fe 238.204†	6148.0	5953.5	403.526	ug/L	403.526	ug/L	08:16:02
2	K 766.490†	126292.0	123552.0	20.8706	mg/L	20.8706	mg/L	08:15:42
2	Li 670.784†	94626.8	92350.6	385.401	ug/L	385.401	ug/L	08:15:42
2	Mg 279.071†	83537.8	83023.1	24.7095	mg/L	24.7095	mg/L	08:15:42
2	Mn 257.610†	58860.7	58590.8	358.404	ug/L	358.404	ug/L	08:15:42
2	Mo 202.031†	1283.0	1267.8	379.335	ug/L	379.335	ug/L	08:16:02
2	Na 589.592†	530398.9	527712.4	43.4428	mg/L	43.4428	mg/L	08:15:37
2	Ni 231.604†	3526.4	3541.4	374.884	ug/L	374.884	ug/L	08:16:02
2	Pb 220.353†	482.9	560.3	372.417	ug/L	372.417	ug/L	08:16:02
2	Sb 217.584†	885.7	868.8	1856.41	ug/L	1856.41	ug/L	08:16:02
2	Se 196.026†	729.3	747.5	1889.55	ug/L	1889.55	ug/L	08:16:02
2	Si 251.611†	94582.2	93660.1	13599.7	ug/L	13599.7	ug/L	08:15:42
2	Sn 189.927†	803.6	805.4	1873.15	ug/L	1873.15	ug/L	08:16:02
2	Sr 407.771†	1576226.2	1568011.2	675.622	ug/L	675.622	ug/L	08:15:37
2	Ti 334.946†	76301.5	74639.0	353.998	ug/L	353.998	ug/L	08:15:42
2	Tl 190.801†	307.3	307.6	1818.50	ug/L	1818.50	ug/L	08:16:02
2	V 292.395†	15425.3	15486.1	372.123	ug/L	372.123	ug/L	08:15:42
2	Zn 206.200†	2810.7	2742.9	404.798	ug/L	404.798	ug/L	08:16:02

Mean Data: 1205737-MS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	540019.2	100.1	%	0.45				0.45%
Y 371.029	690577.3	100.7	%	0.54				0.54%
Ag 328.068†	15115.6	364.336	ug/L	10.6041	364.336	ug/L	10.6041	2.91%
Al 396.146†	24408.1	1828.23	ug/L	39.981	1828.23	ug/L	39.981	2.19%
As 188.979†	659.8	1863.47	ug/L	19.829	1863.47	ug/L	19.829	1.06%
B 249.769†	16699.0	410.720	ug/L	8.5466	410.720	ug/L	8.5466	2.08%
Ba 455.403†	256392.9	490.418	ug/L	3.7366	490.418	ug/L	3.7366	0.76%
Be 234.863†	10867.9	36.9548	ug/L	0.54377	36.9548	ug/L	0.54377	1.47%
Ca 315.874†	1098429.8	63.8223	mg/L	0.38896	63.8223	mg/L	0.38896	0.61%
Cd 214.436†	6566.0	363.540	ug/L	0.2731	363.540	ug/L	0.2731	0.08%
Ce 413.764†	87.2	10.9371	ug/L	3.49350	10.9371	ug/L	3.49350	31.94%
Co 228.616†	2697.0	361.504	ug/L	1.0255	361.504	ug/L	1.0255	0.28%
Cr 205.563†	2201.8	365.584	ug/L	1.5391	365.584	ug/L	1.5391	0.42%
Cu 324.741†	5425.7	373.443	ug/L	8.4466	373.443	ug/L	8.4466	2.26%
Fe 238.204†	5937.0	402.405	ug/L	1.5865	402.405	ug/L	1.5865	0.39%
K 766.490†	125170.6	21.1444	mg/L	0.38714	21.1444	mg/L	0.38714	1.83%
Li 670.784†	93601.6	390.637	ug/L	7.4040	390.637	ug/L	7.4040	1.90%
Mg 279.071†	84222.5	25.0669	mg/L	0.50545	25.0669	mg/L	0.50545	2.02%
Mn 257.610†	59465.5	363.767	ug/L	7.5852	363.767	ug/L	7.5852	2.09%
Mo 202.031†	1265.5	378.556	ug/L	1.1021	378.556	ug/L	1.1021	0.29%
Na 589.592†	525475.0	43.2585	mg/L	0.26070	43.2585	mg/L	0.26070	0.60%
Ni 231.604†	3547.4	375.520	ug/L	0.8987	375.520	ug/L	0.8987	0.24%
Pb 220.353†	553.4	367.702	ug/L	6.6672	367.702	ug/L	6.6672	1.81%
Sb 217.584†	869.8	1858.54	ug/L	3.015	1858.54	ug/L	3.015	0.16%
Se 196.026†	737.8	1864.30	ug/L	35.711	1864.30	ug/L	35.711	1.92%
Si 251.611†	94907.6	13781.0	ug/L	256.36	13781.0	ug/L	256.36	1.86%
Sn 189.927†	802.3	1866.02	ug/L	10.079	1866.02	ug/L	10.079	0.54%
Sr 407.771†	1560263.9	672.255	ug/L	4.7609	672.255	ug/L	4.7609	0.71%
Ti 334.946†	75791.1	359.454	ug/L	7.7166	359.454	ug/L	7.7166	2.15%
Tl 190.801†	306.5	1811.87	ug/L	9.376	1811.87	ug/L	9.376	0.52%
V 292.395†	15697.1	377.145	ug/L	7.1024	377.145	ug/L	7.1024	1.88%
Zn 206.200†	2739.7	404.304	ug/L	0.6993	404.304	ug/L	0.6993	0.17%

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Sequence No.: 20
Sample ID: 1205737-MSD1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 21
Date Collected: 5/9/2012 8:17:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205737-MSD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	536436.1	536436.1	99.42	%			08:18:31
1	Y 371.029	685256.4	685256.4	99.93	%			08:18:31
1	Ag 328.068†	14791.0	15326.2	369.406	ug/L	369.406	ug/L	08:18:37
1	Al 396.146†	25035.3	24580.8	1841.45	ug/L	1841.45	ug/L	08:18:37
1	As 188.979†	663.7	663.7	1875.74	ug/L	1875.74	ug/L	08:18:57
1	B 249.769†	17159.7	16822.1	413.797	ug/L	413.797	ug/L	08:18:37
1	Ba 455.403†	253187.0	254372.3	486.540	ug/L	486.540	ug/L	08:18:31
1	Be 234.863†	10967.0	10872.3	36.9705	ug/L	36.9705	ug/L	08:18:37
1	Ca 315.874†	1074974.3	1081059.7	62.8120	mg/L	62.8120	mg/L	08:18:31
1	Cd 214.436†	6517.7	6611.3	366.038	ug/L	366.038	ug/L	08:18:57
1	Ce 413.764†	94.4	61.3	7.27812	ug/L	7.27812	ug/L	08:18:37
1	Co 228.616†	2671.8	2727.9	365.667	ug/L	365.667	ug/L	08:18:57
1	Cr 205.563†	2237.9	2216.7	368.067	ug/L	368.067	ug/L	08:18:57
1	Cu 324.741†	5279.5	5464.3	376.052	ug/L	376.052	ug/L	08:18:37
1	Fe 238.204†	5952.7	5817.5	394.287	ug/L	394.287	ug/L	08:18:37
1	K 766.490†	127311.4	125818.5	21.2540	mg/L	21.2540	mg/L	08:18:37
1	Li 670.784†	95347.5	94005.5	392.328	ug/L	392.328	ug/L	08:18:37
1	Mg 279.071†	83735.4	84042.8	25.0133	mg/L	25.0133	mg/L	08:18:37
1	Mn 257.610†	59486.6	59798.9	365.813	ug/L	365.813	ug/L	08:18:37
1	Mo 202.031†	1280.4	1277.7	382.274	ug/L	382.274	ug/L	08:18:57
1	Na 589.592†	515812.0	518253.6	42.6635	mg/L	42.6635	mg/L	08:18:31
1	Ni 231.604†	3530.7	3580.3	379.003	ug/L	379.003	ug/L	08:18:57
1	Pb 220.353†	465.6	547.7	363.898	ug/L	363.898	ug/L	08:18:57
1	Sb 217.584†	878.2	870.0	1858.99	ug/L	1858.99	ug/L	08:18:57
1	Se 196.026†	717.8	743.1	1878.53	ug/L	1878.53	ug/L	08:18:57

1	Si 251.611†	92361.0	92355.6	13409.4 ug/L	13409.4 ug/L	08:18:37
1	Sn 189.927†	809.8	819.5	1905.32 ug/L	1905.32 ug/L	08:18:57
1	Sr 407.771†	1534667.2	1541702.4	664.218 ug/L	664.218 ug/L	08:18:31
1	Ti 334.946†	77100.0	76192.0	361.353 ug/L	361.353 ug/L	08:18:37
1	Tl 190.801†	301.9	305.2	1804.45 ug/L	1804.45 ug/L	08:18:57
1	V 292.395†	15649.8	15863.5	381.144 ug/L	381.144 ug/L	08:18:37
1	Zn 206.200†	2832.0	2792.0	412.127 ug/L	412.127 ug/L	08:18:57
2	Sc 357.234	539278.3	539278.3	99.95 %		08:19:06
2	Y 371.029	689887.1	689887.1	100.6 %		08:19:06
2	Ag 328.068†	14659.1	15115.9	364.313 ug/L	364.313 ug/L	08:19:12
2	Al 396.146†	24872.7	24285.4	1817.90 ug/L	1817.90 ug/L	08:19:12
2	As 188.979†	670.8	667.3	1886.46 ug/L	1886.46 ug/L	08:19:32
2	B 249.769†	17051.1	16622.5	408.843 ug/L	408.843 ug/L	08:19:12
2	Ba 455.403†	255444.2	255288.5	488.297 ug/L	488.297 ug/L	08:19:06
2	Be 234.863†	10907.1	10754.3	36.5692 ug/L	36.5692 ug/L	08:19:12
2	Ca 315.874†	1082492.7	1082883.4	62.9181 mg/L	62.9181 mg/L	08:19:06
2	Cd 214.436†	6528.9	6588.0	364.750 ug/L	364.750 ug/L	08:19:32
2	Ce 413.764†	58.8	25.1	2.11884 ug/L	2.11884 ug/L	08:19:12
2	Co 228.616†	2660.0	2702.0	362.179 ug/L	362.179 ug/L	08:19:32
2	Cr 205.563†	2234.4	2201.4	365.505 ug/L	365.505 ug/L	08:19:32
2	Cu 324.741†	5217.3	5374.0	369.864 ug/L	369.864 ug/L	08:19:12
2	Fe 238.204†	5831.9	5665.0	383.935 ug/L	383.935 ug/L	08:19:12
2	K 766.490†	126620.1	124452.0	21.0229 mg/L	21.0229 mg/L	08:19:12
2	Li 670.784†	94902.5	93054.8	388.349 ug/L	388.349 ug/L	08:19:12
2	Mg 279.071†	83168.7	83031.9	24.7121 mg/L	24.7121 mg/L	08:19:12
2	Mn 257.610†	58953.4	58950.0	360.607 ug/L	360.607 ug/L	08:19:12
2	Mo 202.031†	1280.0	1270.6	380.190 ug/L	380.190 ug/L	08:19:32
2	Na 589.592†	519539.7	519248.8	42.7455 mg/L	42.7455 mg/L	08:19:06
2	Ni 231.604†	3526.2	3557.2	376.559 ug/L	376.559 ug/L	08:19:32
2	Pb 220.353†	470.6	550.3	365.628 ug/L	365.628 ug/L	08:19:32
2	Sb 217.584†	889.8	876.9	1873.72 ug/L	1873.72 ug/L	08:19:32
2	Se 196.026†	708.5	730.1	1844.39 ug/L	1844.39 ug/L	08:19:32
2	Si 251.611†	91915.4	91420.2	13273.5 ug/L	13273.5 ug/L	08:19:12
2	Sn 189.927†	796.4	801.9	1864.65 ug/L	1864.65 ug/L	08:19:32
2	Sr 407.771†	1544967.7	1543872.7	665.155 ug/L	665.155 ug/L	08:19:06
2	Ti 334.946†	76428.6	75111.6	356.236 ug/L	356.236 ug/L	08:19:12
2	Tl 190.801†	298.4	300.1	1773.91 ug/L	1773.91 ug/L	08:19:32
2	V 292.395†	15478.7	15609.3	375.070 ug/L	375.070 ug/L	08:19:12
2	Zn 206.200†	2843.5	2788.5	411.618 ug/L	411.618 ug/L	08:19:32

Mean Data: 1205737-MSD1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	537857.2	99.69	%	0.372				0.37%
Y 371.029	687571.8	100.3	%	0.48				0.48%
Ag 328.068†	15221.1	366.859	ug/L	3.6017	366.859	ug/L	3.6017	0.98%
Al 396.146†	24433.1	1829.67	ug/L	16.647	1829.67	ug/L	16.647	0.91%
As 188.979†	665.5	1881.10	ug/L	7.582	1881.10	ug/L	7.582	0.40%
B 249.769†	16722.3	411.320	ug/L	3.5036	411.320	ug/L	3.5036	0.85%
Ba 455.403†	254830.4	487.419	ug/L	1.2421	487.419	ug/L	1.2421	0.25%
Be 234.863†	10813.3	36.7699	ug/L	0.28381	36.7699	ug/L	0.28381	0.77%
Ca 315.874†	1081971.6	62.8651	mg/L	0.07500	62.8651	mg/L	0.07500	0.12%
Cd 214.436†	6599.7	365.394	ug/L	0.9107	365.394	ug/L	0.9107	0.25%
Ce 413.764†	43.2	4.69848	ug/L	3.648159	4.69848	ug/L	3.648159	77.65%
Co 228.616†	2715.0	363.923	ug/L	2.4658	363.923	ug/L	2.4658	0.68%
Cr 205.563†	2209.0	366.786	ug/L	1.8114	366.786	ug/L	1.8114	0.49%
Cu 324.741†	5419.1	372.958	ug/L	4.3754	372.958	ug/L	4.3754	1.17%
Fe 238.204†	5741.2	389.111	ug/L	7.3200	389.111	ug/L	7.3200	1.88%
K 766.490†	125135.3	21.1384	mg/L	0.16343	21.1384	mg/L	0.16343	0.77%
Li 670.784†	93530.2	390.339	ug/L	2.8133	390.339	ug/L	2.8133	0.72%
Mg 279.071†	83537.4	24.8627	mg/L	0.21298	24.8627	mg/L	0.21298	0.86%
Mn 257.610†	59374.4	363.210	ug/L	3.6813	363.210	ug/L	3.6813	1.01%
Mo 202.031†	1274.2	381.232	ug/L	1.4730	381.232	ug/L	1.4730	0.39%
Na 589.592†	518751.2	42.7045	mg/L	0.05798	42.7045	mg/L	0.05798	0.14%
Ni 231.604†	3568.7	377.781	ug/L	1.7281	377.781	ug/L	1.7281	0.46%
Pb 220.353†	549.0	364.763	ug/L	1.2237	364.763	ug/L	1.2237	0.34%
Sb 217.584†	873.5	1866.36	ug/L	10.418	1866.36	ug/L	10.418	0.56%
Se 196.026†	736.6	1861.46	ug/L	24.143	1861.46	ug/L	24.143	1.30%
Si 251.611†	91887.9	13341.5	ug/L	96.06	13341.5	ug/L	96.06	0.72%
Sn 189.927†	810.7	1884.98	ug/L	28.755	1884.98	ug/L	28.755	1.53%
Sr 407.771†	1542787.5	664.686	ug/L	0.6625	664.686	ug/L	0.6625	0.10%

Ti 334.946†	75651.8	358.794 ug/L	3.6184	358.794 ug/L	3.6184	1.01%
Tl 190.801†	302.7	1789.18 ug/L	21.594	1789.18 ug/L	21.594	1.21%
V 292.395†	15736.4	378.107 ug/L	4.2955	378.107 ug/L	4.2955	1.14%
Zn 206.200†	2790.2	411.872 ug/L	0.3597	411.872 ug/L	0.3597	0.09%

Sequence No.: 21
Sample ID: 2E09002-SRD1
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 22
Date Collected: 5/9/2012 8:20:45 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E09002-SRD1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	552034.2	552034.2	102.3	%			08:21:58
1	Y 371.029	704197.5	704197.5	102.7	%			08:21:58
1	Ag 328.068†	-469.1	-8.9	-0.759763	ug/L	-3.79881	ug/L	08:21:58
1	Al 396.146†	767.5	150.5	-17.5783	ug/L	-87.8915	ug/L	08:21:58
1	As 188.979†	18.3	14.1	19.1468	ug/L	95.7338	ug/L	08:22:18
1	B 249.769†	1019.4	559.3	9.46679	ug/L	47.3339	ug/L	08:22:18
1	Ba 455.403†	12217.2	11658.6	20.8712	ug/L	104.356	ug/L	08:21:58
1	Be 234.863†	149.0	-12.6	-0.0996690	ug/L	-0.498345	ug/L	08:22:18
1	Ca 315.874†	151668.8	148092.3	8.55026	mg/L	42.7513	mg/L	08:21:58
1	Cd 214.436†	-64.7	-7.4	1.12946	ug/L	5.64729	ug/L	08:22:18
1	Ce 413.764†	61.3	26.3	3.52157	ug/L	17.6078	ug/L	08:21:58
1	Co 228.616†	-55.8	-13.9	-3.00273	ug/L	-15.0137	ug/L	08:22:18
1	Cr 205.563†	39.5	4.5	-0.403200	ug/L	-2.01600	ug/L	08:22:18
1	Cu 324.741†	9.3	163.2	10.8620	ug/L	54.3102	ug/L	08:21:58
1	Fe 238.204†	199.9	25.6	1.03880	ug/L	5.19402	ug/L	08:22:18
1	K 766.490†	5346.9	2995.2	0.481208	mg/L	2.40604	mg/L	08:21:58
1	Li 670.784†	2977.5	1015.5	3.12861	ug/L	15.6431	ug/L	08:21:58
1	Mg 279.071†	4338.5	4062.4	1.18146	mg/L	5.90729	mg/L	08:21:58
1	Mn 257.610†	117.9	82.7	-0.486823	ug/L	-2.43412	ug/L	08:22:18
1	Mo 202.031†	22.2	11.7	4.34745	ug/L	21.7372	ug/L	08:22:18
1	Na 589.592†	57971.6	56111.9	4.58575	mg/L	22.9287	mg/L	08:21:58
1	Ni 231.604†	-3.7	25.6	2.70200	ug/L	13.5100	ug/L	08:22:18
1	Pb 220.353†	-69.5	11.5	-1.20437	ug/L	-6.02185	ug/L	08:22:18
1	Sb 217.584†	23.2	9.3	24.3409	ug/L	121.705	ug/L	08:22:18
1	Se 196.026†	-15.8	5.8	-26.5235	ug/L	-132.618	ug/L	08:22:18
1	Si 251.611†	16057.5	15153.5	2196.01	ug/L	10980.1	ug/L	08:21:58
1	Sn 189.927†	-4.3	0.9	1.66661	ug/L	8.33303	ug/L	08:22:18
1	Sr 407.771†	137575.3	132602.9	52.0059	ug/L	260.030	ug/L	08:21:58
1	Ti 334.946†	1124.6	-255.7	-0.713032	ug/L	-3.56516	ug/L	08:21:58
1	Tl 190.801†	-4.5	-2.8	-22.9313	ug/L	-114.657	ug/L	08:22:18
1	V 292.395†	-74.0	50.7	1.02495	ug/L	5.12473	ug/L	08:21:58
1	Zn 206.200†	119.5	60.3	7.39830	ug/L	36.9915	ug/L	08:22:18
2	Sc 357.234	562780.8	562780.8	104.3	%			08:22:25
2	Y 371.029	719002.8	719002.8	104.8	%			08:22:25
2	Ag 328.068†	-466.4	2.4	-0.508335	ug/L	-2.54167	ug/L	08:22:25
2	Al 396.146†	634.7	8.8	-29.2562	ug/L	-146.281	ug/L	08:22:25
2	As 188.979†	8.9	4.8	-8.10518	ug/L	-40.5259	ug/L	08:22:45
2	B 249.769†	1030.1	550.5	9.24850	ug/L	46.2425	ug/L	08:22:45
2	Ba 455.403†	12218.0	11431.3	20.4337	ug/L	102.169	ug/L	08:22:25
2	Be 234.863†	147.9	-16.4	-0.112642	ug/L	-0.563209	ug/L	08:22:45
2	Ca 315.874†	150701.9	144334.6	8.33171	mg/L	41.6586	mg/L	08:22:25
2	Cd 214.436†	-64.0	-5.5	1.23519	ug/L	6.17593	ug/L	08:22:45
2	Ce 413.764†	13.3	-21.0	-3.19933	ug/L	-15.9967	ug/L	08:22:25
2	Co 228.616†	-21.1	20.4	1.61346	ug/L	8.06730	ug/L	08:22:45
2	Cr 205.563†	42.6	6.7	-0.0306934	ug/L	-0.153467	ug/L	08:22:45
2	Cu 324.741†	22.1	175.3	11.6803	ug/L	58.4014	ug/L	08:22:25
2	Fe 238.204†	188.2	10.7	0.0256081	ug/L	0.128040	ug/L	08:22:45
2	K 766.490†	5277.3	2828.6	0.453040	mg/L	2.26520	mg/L	08:22:25
2	Li 670.784†	2802.2	791.9	2.19340	ug/L	10.9670	ug/L	08:22:25
2	Mg 279.071†	4293.0	3937.8	1.14433	mg/L	5.72163	mg/L	08:22:25
2	Mn 257.610†	120.9	83.4	-0.483309	ug/L	-2.41655	ug/L	08:22:45
2	Mo 202.031†	13.0	2.4	1.54571	ug/L	7.72854	ug/L	08:22:45
2	Na 589.592†	57734.6	54802.8	4.47789	mg/L	22.3894	mg/L	08:22:25
2	Ni 231.604†	8.1	37.0	3.89562	ug/L	19.4781	ug/L	08:22:45
2	Pb 220.353†	-69.2	13.1	-0.166146	ug/L	-0.830728	ug/L	08:22:45
2	Sb 217.584†	22.1	7.9	21.2369	ug/L	106.185	ug/L	08:22:45

2	Se 196.026†	-12.1	9.6	-16.5054 ug/L	-82.5271 ug/L	08:22:45
2	Si 251.611†	15871.2	14675.2	2126.42 ug/L	10632.1 ug/L	08:22:25
2	Sn 189.927†	-2.9	2.3	4.78669 ug/L	23.9334 ug/L	08:22:45
2	Sr 407.771†	136899.8	129387.7	50.6136 ug/L	253.068 ug/L	08:22:25
2	Ti 334.946†	1092.6	-307.4	-0.957878 ug/L	-4.78939 ug/L	08:22:25
2	Tl 190.801†	-4.7	-2.9	-23.6771 ug/L	-118.386 ug/L	08:22:45
2	V 292.395†	-47.6	77.3	1.63591 ug/L	8.17955 ug/L	08:22:25
2	Zn 206.200†	128.1	66.3	8.29784 ug/L	41.4892 ug/L	08:22:45

Mean Data: 2E09002-SRD1

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	557407.5	103.3	%	1.41				1.36%
Y 371.029	711600.1	103.8	%	1.53				1.47%
Ag 328.068†	-3.3	-0.634049	ug/L	0.1777866	-3.17024	ug/L	0.888933	28.04%
Al 396.146†	79.6	-23.4172	ug/L	8.25751	-117.086	ug/L	41.2876	35.26%
As 188.979†	9.4	5.52079	ug/L	19.270032	27.6039	ug/L	96.35016	349.04%
B 249.769†	554.9	9.35764	ug/L	0.154354	46.7882	ug/L	0.77177	1.65%
Ba 455.403†	11545.0	20.6524	ug/L	0.30933	103.262	ug/L	1.5466	1.50%
Be 234.863†	-14.5	-0.106155	ug/L	0.0091731	-0.530777	ug/L	0.0458656	8.64%
Ca 315.874†	146213.5	8.44099	mg/L	0.154537	42.2049	mg/L	0.77269	1.83%
Cd 214.436†	-6.5	1.18232	ug/L	0.074761	5.91161	ug/L	0.373806	6.32%
Ce 413.764†	2.7	0.161118	ug/L	4.7523961	0.805589	ug/L	23.7619804	>999.9%
Co 228.616†	3.3	-0.694635	ug/L	3.2641394	-3.47318	ug/L	16.320697	469.91%
Cr 205.563†	5.6	-0.216947	ug/L	0.2634017	-1.08473	ug/L	1.317009	121.41%
Cu 324.741†	169.2	11.2712	ug/L	0.57857	56.3558	ug/L	2.89285	5.13%
Fe 238.204†	18.2	0.532206	ug/L	0.7164376	2.66103	ug/L	3.582188	134.62%
K 766.490†	2911.9	0.467124	mg/L	0.0199177	2.33562	mg/L	0.099588	4.26%
Li 670.784†	903.7	2.66101	ug/L	0.661291	13.3050	ug/L	3.30646	24.85%
Mg 279.071†	4000.1	1.16289	mg/L	0.026256	5.81446	mg/L	0.131280	2.26%
Mn 257.610†	83.1	-0.485066	ug/L	0.0024850	-2.42533	ug/L	0.012425	0.51%
Mo 202.031†	7.0	2.94658	ug/L	1.981130	14.7329	ug/L	9.90565	67.23%
Na 589.592†	55457.4	4.53182	mg/L	0.076270	22.6591	mg/L	0.38135	1.68%
Ni 231.604†	31.3	3.29881	ug/L	0.844019	16.4940	ug/L	4.22010	25.59%
Pb 220.353†	12.3	-0.685258	ug/L	0.7341359	-3.42629	ug/L	3.670679	107.13%
Sb 217.584†	8.6	22.7889	ug/L	2.19485	113.945	ug/L	10.9743	9.63%
Se 196.026†	7.7	-21.5145	ug/L	7.08385	-107.572	ug/L	35.4193	32.93%
Si 251.611†	14914.3	2161.22	ug/L	49.209	10806.1	ug/L	246.05	2.28%
Sn 189.927†	1.6	3.22665	ug/L	2.206231	16.1332	ug/L	11.03115	68.38%
Sr 407.771†	130995.3	51.3098	ug/L	0.98456	256.549	ug/L	4.9228	1.92%
Ti 334.946†	-281.5	-0.835455	ug/L	0.1731326	-4.17727	ug/L	0.865663	20.72%
Tl 190.801†	-2.9	-23.3042	ug/L	0.52737	-116.521	ug/L	2.6368	2.26%
V 292.395†	64.0	1.33043	ug/L	0.432017	6.65214	ug/L	2.160085	32.47%
Zn 206.200†	63.3	7.84807	ug/L	0.636070	39.2404	ug/L	3.18035	8.10%

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Sequence No.: 22
Sample ID: 1205737-PS1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 23
Date Collected: 5/9/2012 8:24:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1205737-PS1

Repl#	Analyte	Net Intensity	Corrected Intensity	Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	539547.6	539547.6	100.0	%			08:25:14
1	Y 371.029	688356.8	688356.8	100.4	%			08:25:14
1	Ag 328.068†	10490.4	10939.9	263.550	ug/L	263.550	ug/L	08:25:19
1	Al 396.146†	18586.3	17986.6	1336.61	ug/L	1336.61	ug/L	08:25:19
1	As 188.979†	506.4	502.6	1410.10	ug/L	1410.10	ug/L	08:25:39
1	B 249.769†	13224.7	12787.6	313.488	ug/L	313.488	ug/L	08:25:19
1	Ba 455.403†	201595.7	201312.7	384.741	ug/L	384.741	ug/L	08:25:14
1	Be 234.863†	8235.4	8077.1	27.4507	ug/L	27.4507	ug/L	08:25:19
1	Ca 315.874†	980255.1	980105.6	56.9405	mg/L	56.9405	mg/L	08:25:14
1	Cd 214.436†	4804.0	4859.8	269.470	ug/L	269.470	ug/L	08:25:39
1	Ce 413.764†	118.9	85.2	10.7839	ug/L	10.7839	ug/L	08:25:19
1	Co 228.616†	1959.7	2000.3	267.834	ug/L	267.834	ug/L	08:25:39
1	Cr 205.563†	1671.4	1637.3	271.551	ug/L	271.551	ug/L	08:25:39
1	Cu 324.741†	3843.3	3997.4	275.286	ug/L	275.286	ug/L	08:25:19
1	Fe 238.204†	4579.0	4409.2	298.671	ug/L	298.671	ug/L	08:25:39

1	K 766.490†	97424.4	95193.2	16.0744 mg/L	16.0744 mg/L	08:25:14
1	Li 670.784†	71369.5	69474.5	289.656 ug/L	289.656 ug/L	08:25:14
1	Mg 279.071†	67512.1	67333.9	20.0346 mg/L	20.0346 mg/L	08:25:19
1	Mn 257.610†	44204.1	44171.4	269.952 ug/L	269.952 ug/L	08:25:19
1	Mo 202.031†	943.3	933.3	279.081 ug/L	279.081 ug/L	08:25:39
1	Na 589.592†	450791.1	450241.1	37.0597 mg/L	37.0597 mg/L	08:25:14
1	Ni 231.604†	2604.7	2633.8	278.807 ug/L	278.807 ug/L	08:25:39
1	Pb 220.353†	322.7	402.2	264.767 ug/L	264.767 ug/L	08:25:39
1	Sb 217.584†	647.2	633.9	1355.66 ug/L	1355.66 ug/L	08:25:39
1	Se 196.026†	516.6	537.8	1344.75 ug/L	1344.75 ug/L	08:25:39
1	Si 251.611†	90170.1	89629.0	13019.3 ug/L	13019.3 ug/L	08:25:19
1	Sn 189.927†	583.6	588.7	1371.49 ug/L	1371.49 ug/L	08:25:39
1	Sr 407.771†	1297054.4	1295188.9	556.758 ug/L	556.758 ug/L	08:25:14
1	Ti 334.946†	56470.4	55115.3	261.531 ug/L	261.531 ug/L	08:25:19
1	Tl 190.801†	224.3	225.9	1334.00 ug/L	1334.00 ug/L	08:25:39
1	V 292.395†	11531.1	11654.0	279.935 ug/L	279.935 ug/L	08:25:19
1	Zn 206.200†	2182.2	2125.7	313.213 ug/L	313.213 ug/L	08:25:39
2	Sc 357.234	549518.6	549518.6	101.8 %		08:25:47
2	Y 371.029	703540.4	703540.4	102.6 %		08:25:47
2	Ag 328.068†	10471.2	10730.7	258.504 ug/L	258.504 ug/L	08:25:52
2	Al 396.146†	18556.7	17620.3	1308.79 ug/L	1308.79 ug/L	08:25:52
2	As 188.979†	498.2	485.4	1360.26 ug/L	1360.26 ug/L	08:26:12
2	B 249.769†	13337.2	12658.1	310.275 ug/L	310.275 ug/L	08:25:52
2	Ba 455.403†	203097.1	199128.9	380.551 ug/L	380.551 ug/L	08:25:47
2	Be 234.863†	8142.2	7836.2	26.6300 ug/L	26.6300 ug/L	08:25:52
2	Ca 315.874†	985231.9	967205.6	56.1902 mg/L	56.1902 mg/L	08:25:47
2	Cd 214.436†	4759.7	4729.1	262.270 ug/L	262.270 ug/L	08:26:12
2	Ce 413.764†	122.9	86.9	11.0535 ug/L	11.0535 ug/L	08:25:52
2	Co 228.616†	1945.4	1950.8	261.164 ug/L	261.164 ug/L	08:26:12
2	Cr 205.563†	1648.4	1584.4	262.747 ug/L	262.747 ug/L	08:26:12
2	Cu 324.741†	3827.8	3912.4	269.442 ug/L	269.442 ug/L	08:25:52
2	Fe 238.204†	4547.1	4294.8	290.904 ug/L	290.904 ug/L	08:26:12
2	K 766.490†	97997.4	93988.0	15.8706 mg/L	15.8706 mg/L	08:25:47
2	Li 670.784†	71841.0	68642.5	286.173 ug/L	286.173 ug/L	08:25:47
2	Mg 279.071†	67398.3	65997.1	19.6362 mg/L	19.6362 mg/L	08:25:52
2	Mn 257.610†	44260.9	43425.1	265.375 ug/L	265.375 ug/L	08:25:52
2	Mo 202.031†	935.7	908.6	271.716 ug/L	271.716 ug/L	08:26:12
2	Na 589.592†	453077.3	444306.2	36.5707 mg/L	36.5707 mg/L	08:25:47
2	Ni 231.604†	2597.9	2579.9	273.098 ug/L	273.098 ug/L	08:26:12
2	Pb 220.353†	332.2	405.6	267.068 ug/L	267.068 ug/L	08:26:12
2	Sb 217.584†	656.5	631.3	1350.07 ug/L	1350.07 ug/L	08:26:12
2	Se 196.026†	522.7	534.4	1336.12 ug/L	1336.12 ug/L	08:26:12
2	Si 251.611†	90137.7	87961.0	12776.8 ug/L	12776.8 ug/L	08:25:52
2	Sn 189.927†	580.9	575.5	1340.69 ug/L	1340.69 ug/L	08:26:12
2	Sr 407.771†	1302956.4	1277449.0	549.058 ug/L	549.058 ug/L	08:25:47
2	Ti 334.946†	56551.6	54170.4	257.056 ug/L	257.056 ug/L	08:25:52
2	Tl 190.801†	225.1	222.6	1314.21 ug/L	1314.21 ug/L	08:26:12
2	V 292.395†	11677.3	11588.3	278.308 ug/L	278.308 ug/L	08:25:52
2	Zn 206.200†	2183.1	2087.0	307.485 ug/L	307.485 ug/L	08:26:12

Mean Data: 1205737-PS1

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	544533.1	100.9	%	1.31				1.29%
Y 371.029	695948.6	101.5	%	1.57				1.54%
Ag 328.068†	10835.3	261.027	ug/L	3.5682	261.027	ug/L	3.5682	1.37%
Al 396.146†	17803.4	1322.70	ug/L	19.666	1322.70	ug/L	19.666	1.49%
As 188.979†	494.0	1385.18	ug/L	35.246	1385.18	ug/L	35.246	2.54%
B 249.769†	12722.9	311.881	ug/L	2.2716	311.881	ug/L	2.2716	0.73%
Ba 455.403†	200220.8	382.646	ug/L	2.9626	382.646	ug/L	2.9626	0.77%
Be 234.863†	7956.7	27.0403	ug/L	0.58032	27.0403	ug/L	0.58032	2.15%
Ca 315.874†	973655.6	56.5654	mg/L	0.53052	56.5654	mg/L	0.53052	0.94%
Cd 214.436†	4794.4	265.870	ug/L	5.0911	265.870	ug/L	5.0911	1.91%
Ce 413.764†	86.1	10.9187	ug/L	0.19063	10.9187	ug/L	0.19063	1.75%
Co 228.616†	1975.5	264.499	ug/L	4.7169	264.499	ug/L	4.7169	1.78%
Cr 205.563†	1610.8	267.149	ug/L	6.2254	267.149	ug/L	6.2254	2.33%
Cu 324.741†	3954.9	272.364	ug/L	4.1328	272.364	ug/L	4.1328	1.52%
Fe 238.204†	4352.0	294.788	ug/L	5.4922	294.788	ug/L	5.4922	1.86%
K 766.490†	94590.6	15.9725	mg/L	0.14412	15.9725	mg/L	0.14412	0.90%
Li 670.784†	69058.5	287.914	ug/L	2.4624	287.914	ug/L	2.4624	0.86%
Mg 279.071†	66665.5	19.8354	mg/L	0.28166	19.8354	mg/L	0.28166	1.42%

Mn 257.610†	43798.2	267.664 ug/L	3.2369	267.664 ug/L	3.2369	1.21%
Mo 202.031†	921.0	275.399 ug/L	5.2076	275.399 ug/L	5.2076	1.89%
Na 589.592†	447273.6	36.8152 mg/L	0.34577	36.8152 mg/L	0.34577	0.94%
Ni 231.604†	2606.9	275.952 ug/L	4.0371	275.952 ug/L	4.0371	1.46%
Pb 220.353†	403.9	265.917 ug/L	1.6275	265.917 ug/L	1.6275	0.61%
Sb 217.584†	632.6	1352.86 ug/L	3.953	1352.86 ug/L	3.953	0.29%
Se 196.026†	536.1	1340.44 ug/L	6.102	1340.44 ug/L	6.102	0.46%
Si 251.611†	88795.0	12898.1 ug/L	171.46	12898.1 ug/L	171.46	1.33%
Sn 189.927†	582.1	1356.09 ug/L	21.774	1356.09 ug/L	21.774	1.61%
Sr 407.771†	1286318.9	552.908 ug/L	5.4451	552.908 ug/L	5.4451	0.98%
Ti 334.946†	54642.8	259.293 ug/L	3.1643	259.293 ug/L	3.1643	1.22%
Tl 190.801†	224.3	1324.10 ug/L	13.995	1324.10 ug/L	13.995	1.06%
V 292.395†	11621.2	279.122 ug/L	1.1505	279.122 ug/L	1.1505	0.41%
Zn 206.200†	2106.3	310.349 ug/L	4.0504	310.349 ug/L	4.0504	1.31%

Sequence No.: 23
Sample ID: 1204454-02
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 24
Date Collected: 5/9/2012 8:27:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 1204454-02

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Calib. Units	Sample Conc.	Sample Units	Analysis Time
1	Sc 357.234	559381.3	559381.3	103.7	%			08:28:40
1	Y 371.029	717991.5	717991.5	104.7	%			08:28:40
1	Ag 328.068†	-418.8	45.6	0.605517	ug/L	0.605517	ug/L	08:28:46
1	Al 396.146†	776.5	149.3	-32.0610	ug/L	-32.0610	ug/L	08:28:46
1	As 188.979†	28.9	24.1	21.4138	ug/L	21.4138	ug/L	08:29:06
1	B 249.769†	2550.8	2023.3	45.8688	ug/L	45.8688	ug/L	08:29:06
1	Ba 455.403†	80036.7	76916.3	146.075	ug/L	146.075	ug/L	08:28:40
1	Be 234.863†	159.0	-4.9	-0.0766312	ug/L	-0.0766312	ug/L	08:29:06
1	Ca 315.874†	835940.2	806152.0	46.8233	mg/L	46.8233	mg/L	08:28:40
1	Cd 214.436†	-43.6	13.8	2.29641	ug/L	2.29641	ug/L	08:29:06
1	Ce 413.764†	167.5	127.8	17.0004	ug/L	17.0004	ug/L	08:28:46
1	Co 228.616†	-46.2	-3.9	-1.64568	ug/L	-1.64568	ug/L	08:29:06
1	Cr 205.563†	50.8	14.9	1.30691	ug/L	1.30691	ug/L	08:29:06
1	Cu 324.741†	-14.0	140.6	10.5021	ug/L	10.5021	ug/L	08:28:46
1	Fe 238.204†	695.5	501.1	33.3195	ug/L	33.3195	ug/L	08:29:06
1	K 766.490†	18418.6	15534.7	2.60198	mg/L	2.60198	mg/L	08:28:46
1	Li 670.784†	6167.0	4053.7	15.8433	ug/L	15.8433	ug/L	08:28:46
1	Mg 279.071†	23580.8	22566.6	6.69520	mg/L	6.69520	mg/L	08:28:46
1	Mn 257.610†	428.9	381.1	1.34475	ug/L	1.34475	ug/L	08:29:06
1	Mo 202.031†	40.0	28.5	8.11245	ug/L	8.11245	ug/L	08:29:06
1	Na 589.592†	308541.0	297051.8	24.4378	mg/L	24.4378	mg/L	08:28:40
1	Ni 231.604†	182.8	205.5	21.7555	ug/L	21.7555	ug/L	08:29:06
1	Pb 220.353†	-62.7	18.9	3.80325	ug/L	3.80325	ug/L	08:29:06
1	Sb 217.584†	23.2	9.0	23.8603	ug/L	23.8603	ug/L	08:29:06
1	Se 196.026†	9.4	30.2	23.3104	ug/L	23.3104	ug/L	08:29:06
1	Si 251.611†	104185.8	99950.6	14540.2	ug/L	14540.2	ug/L	08:28:46
1	Sn 189.927†	-12.3	-6.8	-4.27842	ug/L	-4.27842	ug/L	08:29:06
1	Sr 407.771†	767308.3	738239.1	313.661	ug/L	313.661	ug/L	08:28:40
1	Ti 334.946†	-538.4	-1874.1	-8.37828	ug/L	-8.37828	ug/L	08:28:46
1	Tl 190.801†	-3.3	-1.6	-15.4846	ug/L	-15.4846	ug/L	08:29:06
1	V 292.395†	87.4	207.3	4.80293	ug/L	4.80293	ug/L	08:28:46
1	Zn 206.200†	403.3	332.5	46.8728	ug/L	46.8728	ug/L	08:29:06
2	Sc 357.234	553100.5	553100.5	102.5	%			08:29:13
2	Y 371.029	709104.1	709104.1	103.4	%			08:29:13
2	Ag 328.068†	-437.2	23.0	0.0720169	ug/L	0.0720169	ug/L	08:29:18
2	Al 396.146†	749.5	131.5	-33.2204	ug/L	-33.2204	ug/L	08:29:18
2	As 188.979†	29.6	25.0	24.0086	ug/L	24.0086	ug/L	08:29:38
2	B 249.769†	2573.0	2072.9	47.1023	ug/L	47.1023	ug/L	08:29:38
2	Ba 455.403†	79814.0	77575.8	147.341	ug/L	147.341	ug/L	08:29:13
2	Be 234.863†	145.1	-16.7	-0.116992	ug/L	-0.116992	ug/L	08:29:38
2	Ca 315.874†	833414.3	812844.1	47.2125	mg/L	47.2125	mg/L	08:29:13
2	Cd 214.436†	-58.5	-1.2	1.46962	ug/L	1.46962	ug/L	08:29:38
2	Ce 413.764†	187.8	149.6	20.0821	ug/L	20.0821	ug/L	08:29:18
2	Co 228.616†	-39.4	2.2	-0.819062	ug/L	-0.819062	ug/L	08:29:38
2	Cr 205.563†	42.7	7.5	0.0791460	ug/L	0.0791460	ug/L	08:29:38
2	Cu 324.741†	-16.5	138.0	10.3348	ug/L	10.3348	ug/L	08:29:18

2	Fe 238.204†	701.7	514.8	34.2517 ug/L	34.2517 ug/L	08:29:38
2	K 766.490†	18542.3	15857.1	2.65650 mg/L	2.65650 mg/L	08:29:18
2	Li 670.784†	6186.3	4140.0	16.2042 ug/L	16.2042 ug/L	08:29:18
2	Mg 279.071†	23686.7	22928.2	6.80295 mg/L	6.80295 mg/L	08:29:18
2	Mn 257.610†	450.2	406.7	1.50163 ug/L	1.50163 ug/L	08:29:38
2	Mo 202.031†	42.3	31.2	8.90207 ug/L	8.90207 ug/L	08:29:38
2	Na 589.592†	306874.9	298806.0	24.5823 mg/L	24.5823 mg/L	08:29:13
2	Ni 231.604†	198.8	223.1	23.6210 ug/L	23.6210 ug/L	08:29:38
2	Pb 220.353†	-66.8	14.2	0.606926 ug/L	0.606926 ug/L	08:29:38
2	Sb 217.584†	6.8	-6.7	-9.47817 ug/L	-9.47817 ug/L	08:29:38
2	Se 196.026†	-2.2	19.1	-5.99662 ug/L	-5.99662 ug/L	08:29:38
2	Si 251.611†	104568.5	101465.1	14760.7 ug/L	14760.7 ug/L	08:29:18
2	Sn 189.927†	-15.4	-10.0	-11.5044 ug/L	-11.5044 ug/L	08:29:38
2	Sr 407.771†	764097.8	743511.6	315.936 ug/L	315.936 ug/L	08:29:13
2	Ti 334.946†	-586.9	-1927.4	-8.63039 ug/L	-8.63039 ug/L	08:29:18
2	Tl 190.801†	-8.7	-6.9	-47.1887 ug/L	-47.1887 ug/L	08:29:38
2	V 292.395†	124.5	244.4	5.69446 ug/L	5.69446 ug/L	08:29:18
2	Zn 206.200†	412.3	345.7	48.8307 ug/L	48.8307 ug/L	08:29:38

Mean Data: 1204454-02

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Sc 357.234	556240.9	103.1	%	0.82				0.80%
Y 371.029	713547.8	104.1	%	0.92				0.88%
Ag 328.068†	34.3	0.338767	ug/L	0.3772415	0.338767	ug/L	0.3772415	111.36%
Al 396.146†	140.4	-32.6407	ug/L	0.81980	-32.6407	ug/L	0.81980	2.51%
As 188.979†	24.6	22.7112	ug/L	1.83479	22.7112	ug/L	1.83479	8.08%
B 249.769†	2048.1	46.4856	ug/L	0.87224	46.4856	ug/L	0.87224	1.88%
Ba 455.403†	77246.1	146.708	ug/L	0.8951	146.708	ug/L	0.8951	0.61%
Be 234.863†	-10.8	-0.0968115	ug/L	0.02853925	-0.0968115	ug/L	0.02853925	29.48%
Ca 315.874†	809498.1	47.0179	mg/L	0.27521	47.0179	mg/L	0.27521	0.59%
Cd 214.436†	6.3	1.88301	ug/L	0.584633	1.88301	ug/L	0.584633	31.05%
Ce 413.764†	138.7	18.5412	ug/L	2.17912	18.5412	ug/L	2.17912	11.75%
Co 228.616†	-0.9	-1.23237	ug/L	0.584511	-1.23237	ug/L	0.584511	47.43%
Cr 205.563†	11.2	0.693027	ug/L	0.8681588	0.693027	ug/L	0.8681588	125.27%
Cu 324.741†	139.3	10.4184	ug/L	0.11834	10.4184	ug/L	0.11834	1.14%
Fe 238.204†	507.9	33.7856	ug/L	0.65916	33.7856	ug/L	0.65916	1.95%
K 766.490†	15695.9	2.62924	mg/L	0.038555	2.62924	mg/L	0.038555	1.47%
Li 670.784†	4096.8	16.0237	ug/L	0.25517	16.0237	ug/L	0.25517	1.59%
Mg 279.071†	22747.4	6.74907	mg/L	0.076189	6.74907	mg/L	0.076189	1.13%
Mn 257.610†	393.9	1.42319	ug/L	0.110937	1.42319	ug/L	0.110937	7.79%
Mo 202.031†	29.9	8.50726	ug/L	0.558344	8.50726	ug/L	0.558344	6.56%
Na 589.592†	297928.9	24.5100	mg/L	0.10220	24.5100	mg/L	0.10220	0.42%
Ni 231.604†	214.3	22.6882	ug/L	1.31913	22.6882	ug/L	1.31913	5.81%
Pb 220.353†	16.6	2.20509	ug/L	2.260146	2.20509	ug/L	2.260146	102.50%
Sb 217.584†	1.2	7.19104	ug/L	23.573833	7.19104	ug/L	23.573833	327.82%
Se 196.026†	24.6	8.65687	ug/L	20.723162	8.65687	ug/L	20.723162	239.38%
Si 251.611†	100707.8	14650.5	ug/L	155.90	14650.5	ug/L	155.90	1.06%
Sn 189.927†	-8.4	-7.89143	ug/L	5.109567	-7.89143	ug/L	5.109567	64.75%
Sr 407.771†	740875.4	314.798	ug/L	1.6083	314.798	ug/L	1.6083	0.51%
Ti 334.946†	-1900.7	-8.50433	ug/L	0.178265	-8.50433	ug/L	0.178265	2.10%
Tl 190.801†	-4.3	-31.3366	ug/L	22.41815	-31.3366	ug/L	22.41815	71.54%
V 292.395†	225.8	5.24870	ug/L	0.630405	5.24870	ug/L	0.630405	12.01%
Zn 206.200†	339.1	47.8517	ug/L	1.38446	47.8517	ug/L	1.38446	2.89%

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Sequence No.: 24
Sample ID: 2E09002-CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 5/9/2012 8:30:53 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E09002-CCV

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Sc 357.234	544002.6	544002.6	100.8	%			08:32:06
1	Y 371.029	696864.7	696864.7	101.6	%			08:32:06
1	Ag 328.068†	20710.0	20989.8	506.084	ug/L	506.084	ug/L	08:32:11
1	Al 396.146†	34266.0	33385.6	2543.95	ug/L	2543.95	ug/L	08:32:11
1	As 188.979†	861.4	850.5	2472.32	ug/L	2472.32	ug/L	08:32:31

1	B 249.769†	20953.8	20345.1	501.354 ug/L	501.354 ug/L	08:32:11
1	Ba 455.403†	268550.7	266068.2	508.981 ug/L	508.981 ug/L	08:32:06
1	Be 234.863†	14916.3	14635.8	49.7905 ug/L	49.7905 ug/L	08:32:11
1	Ca 315.874†	88534.2	87663.5	5.03570 mg/L	5.03570 mg/L	08:32:11
1	Cd 214.436†	8980.7	8962.9	495.689 ug/L	495.689 ug/L	08:32:11
1	Ce 413.764†	62.0	27.8	4.05118 ug/L	4.05118 ug/L	08:32:11
1	Co 228.616†	3743.7	3753.6	503.527 ug/L	503.527 ug/L	08:32:31
1	Cr 205.563†	3072.8	3013.5	500.804 ug/L	500.804 ug/L	08:32:31
1	Cu 324.741†	7384.4	7478.0	512.344 ug/L	512.344 ug/L	08:32:11
1	Fe 238.204†	7634.4	7402.1	501.887 ug/L	501.887 ug/L	08:32:11
1	K 766.490†	32363.0	29867.1	5.02597 mg/L	5.02597 mg/L	08:32:06
1	Li 670.784†	124650.9	121735.0	508.387 ug/L	508.387 ug/L	08:32:06
1	Mg 279.071†	17370.9	17050.6	5.05158 mg/L	5.05158 mg/L	08:32:11
1	Mn 257.610†	83078.0	82364.8	504.222 ug/L	504.222 ug/L	08:32:11
1	Mo 202.031†	1676.7	1653.0	500.889 ug/L	500.889 ug/L	08:32:31
1	Na 589.592†	62800.9	61738.2	5.04932 mg/L	5.04932 mg/L	08:32:06
1	Ni 231.604†	4689.3	4680.1	495.358 ug/L	495.358 ug/L	08:32:11
1	Pb 220.353†	667.6	741.6	495.803 ug/L	495.803 ug/L	08:32:31
1	Sb 217.584†	1213.2	1189.9	2540.30 ug/L	2540.30 ug/L	08:32:31
1	Se 196.026†	976.5	989.7	2543.36 ug/L	2543.36 ug/L	08:32:31
1	Si 251.611†	18253.4	17563.1	2512.27 ug/L	2512.27 ug/L	08:32:11
1	Sn 189.927†	1089.8	1086.0	2501.82 ug/L	2501.82 ug/L	08:32:31
1	Sr 407.771†	1177548.3	1166040.1	505.302 ug/L	505.302 ug/L	08:32:06
1	Ti 334.946†	109092.2	106843.5	506.522 ug/L	506.522 ug/L	08:32:11
1	Tl 190.801†	424.0	422.1	2497.33 ug/L	2497.33 ug/L	08:32:31
1	V 292.395†	21221.2	21170.3	508.572 ug/L	508.572 ug/L	08:32:11
1	Zn 206.200†	3443.0	3358.4	498.683 ug/L	498.683 ug/L	08:32:31
2	Sc 357.234	543825.4	543825.4	100.8 %		08:32:39
2	Y 371.029	697604.8	697604.8	101.7 %		08:32:39
2	Ag 328.068†	20765.5	21051.6	507.555 ug/L	507.555 ug/L	08:32:44
2	Al 396.146†	34400.1	33529.7	2554.16 ug/L	2554.16 ug/L	08:32:44
2	As 188.979†	870.5	859.9	2499.86 ug/L	2499.86 ug/L	08:33:04
2	B 249.769†	21212.9	20608.9	507.920 ug/L	507.920 ug/L	08:32:44
2	Ba 455.403†	269094.7	266694.7	510.182 ug/L	510.182 ug/L	08:32:39
2	Be 234.863†	15052.4	14775.8	50.2676 ug/L	50.2676 ug/L	08:32:44
2	Ca 315.874†	88625.5	87782.7	5.04263 mg/L	5.04263 mg/L	08:32:44
2	Cd 214.436†	9018.0	9002.8	497.887 ug/L	497.887 ug/L	08:32:44
2	Ce 413.764†	17.9	-15.9	-2.17753 ug/L	-2.17753 ug/L	08:32:44
2	Co 228.616†	3733.8	3745.1	502.376 ug/L	502.376 ug/L	08:33:04
2	Cr 205.563†	3079.2	3020.9	502.029 ug/L	502.029 ug/L	08:33:04
2	Cu 324.741†	7470.0	7565.3	518.321 ug/L	518.321 ug/L	08:32:44
2	Fe 238.204†	7643.2	7413.3	502.643 ug/L	502.643 ug/L	08:32:44
2	K 766.490†	32321.7	29836.5	5.02080 mg/L	5.02080 mg/L	08:32:39
2	Li 670.784†	124682.0	121806.1	508.685 ug/L	508.685 ug/L	08:32:39
2	Mg 279.071†	17324.2	17009.9	5.03945 mg/L	5.03945 mg/L	08:32:44
2	Mn 257.610†	83380.3	82691.5	506.226 ug/L	506.226 ug/L	08:32:44
2	Mo 202.031†	1690.0	1666.6	505.033 ug/L	505.033 ug/L	08:33:04
2	Na 589.592†	62776.3	61734.1	5.04898 mg/L	5.04898 mg/L	08:32:39
2	Ni 231.604†	4727.2	4719.2	499.513 ug/L	499.513 ug/L	08:32:44
2	Pb 220.353†	681.7	755.8	505.449 ug/L	505.449 ug/L	08:33:04
2	Sb 217.584†	1211.5	1188.7	2537.71 ug/L	2537.71 ug/L	08:33:04
2	Se 196.026†	974.5	988.1	2538.98 ug/L	2538.98 ug/L	08:33:04
2	Si 251.611†	18159.5	17475.8	2499.41 ug/L	2499.41 ug/L	08:32:44
2	Sn 189.927†	1103.2	1099.6	2533.29 ug/L	2533.29 ug/L	08:33:04
2	Sr 407.771†	1178750.2	1167613.2	505.986 ug/L	505.986 ug/L	08:32:39
2	Ti 334.946†	109493.1	107276.5	508.573 ug/L	508.573 ug/L	08:32:44
2	Tl 190.801†	425.3	423.5	2505.96 ug/L	2505.96 ug/L	08:33:04
2	V 292.395†	21251.6	21207.3	509.490 ug/L	509.490 ug/L	08:32:44
2	Zn 206.200†	3457.4	3373.7	500.966 ug/L	500.966 ug/L	08:33:04

Mean Data: 2E09002-CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	543914.0	100.8	%	0.02				0.02%
Y 371.029	697234.8	101.7	%	0.08				0.08%
Ag 328.068†	21020.7	506.820	ug/L	1.0401	506.820	ug/L	1.0401	0.21%
QC value within limits for Ag 328.068 Recovery = 101.36%								
Al 396.146†	33457.7	2549.06	ug/L	7.221	2549.06	ug/L	7.221	0.28%
QC value within limits for Al 396.146 Recovery = 101.96%								
As 188.979†	855.2	2486.09	ug/L	19.477	2486.09	ug/L	19.477	0.78%
QC value within limits for As 188.979 Recovery = 99.44%								

B 249.769†	20477.0	504.637 ug/L	4.6434	504.637 ug/L	4.6434	0.92%
QC value within limits for B 249.769 Recovery = 100.93%						
Ba 455.403†	266381.4	509.581 ug/L	0.8491	509.581 ug/L	0.8491	0.17%
QC value within limits for Ba 455.403 Recovery = 101.92%						
Be 234.863†	14705.8	50.0291 ug/L	0.33731	50.0291 ug/L	0.33731	0.67%
QC value within limits for Be 234.863 Recovery = 100.06%						
Ca 315.874†	87723.1	5.03916 mg/L	0.004904	5.03916 mg/L	0.004904	0.10%
QC value within limits for Ca 315.874 Recovery = 100.78%						
Cd 214.436†	8982.9	496.788 ug/L	1.5544	496.788 ug/L	1.5544	0.31%
QC value within limits for Cd 214.436 Recovery = 99.36%						
Ce 413.764†	6.0	0.936824 ug/L	4.4043616	0.936824 ug/L	4.4043616	470.14%
Co 228.616†	3749.3	502.951 ug/L	0.8143	502.951 ug/L	0.8143	0.16%
QC value within limits for Co 228.616 Recovery = 100.59%						
Cr 205.563†	3017.2	501.416 ug/L	0.8665	501.416 ug/L	0.8665	0.17%
QC value within limits for Cr 205.563 Recovery = 100.28%						
Cu 324.741†	7521.7	515.332 ug/L	4.2265	515.332 ug/L	4.2265	0.82%
QC value within limits for Cu 324.741 Recovery = 103.07%						
Fe 238.204†	7407.7	502.265 ug/L	0.5346	502.265 ug/L	0.5346	0.11%
QC value within limits for Fe 238.204 Recovery = 100.45%						
K 766.490†	29851.8	5.02339 mg/L	0.003653	5.02339 mg/L	0.003653	0.07%
QC value within limits for K 766.490 Recovery = 100.47%						
Li 670.784†	121770.5	508.536 ug/L	0.2110	508.536 ug/L	0.2110	0.04%
QC value within limits for Li 670.784 Recovery = 101.71%						
Mg 279.071†	17030.3	5.04552 mg/L	0.008573	5.04552 mg/L	0.008573	0.17%
QC value within limits for Mg 279.071 Recovery = 100.91%						
Mn 257.610†	82528.1	505.224 ug/L	1.4174	505.224 ug/L	1.4174	0.28%
QC value within limits for Mn 257.610 Recovery = 101.04%						
Mo 202.031†	1659.8	502.961 ug/L	2.9297	502.961 ug/L	2.9297	0.58%
QC value within limits for Mo 202.031 Recovery = 100.59%						
Na 589.592†	61736.1	5.04915 mg/L	0.000239	5.04915 mg/L	0.000239	0.00%
QC value within limits for Na 589.592 Recovery = 100.98%						
Ni 231.604†	4699.6	497.435 ug/L	2.9386	497.435 ug/L	2.9386	0.59%
QC value within limits for Ni 231.604 Recovery = 99.49%						
Pb 220.353†	748.7	500.626 ug/L	6.8207	500.626 ug/L	6.8207	1.36%
QC value within limits for Pb 220.353 Recovery = 100.13%						
Sb 217.584†	1189.3	2539.00 ug/L	1.825	2539.00 ug/L	1.825	0.07%
QC value within limits for Sb 217.584 Recovery = 101.56%						
Se 196.026†	988.9	2541.17 ug/L	3.101	2541.17 ug/L	3.101	0.12%
QC value within limits for Se 196.026 Recovery = 101.65%						
Si 251.611†	17519.5	2505.84 ug/L	9.095	2505.84 ug/L	9.095	0.36%
QC value within limits for Si 251.611 Recovery = 100.23%						
Sn 189.927†	1092.8	2517.55 ug/L	22.254	2517.55 ug/L	22.254	0.88%
QC value within limits for Sn 189.927 Recovery = 100.70%						
Sr 407.771†	1166826.7	505.644 ug/L	0.4839	505.644 ug/L	0.4839	0.10%
QC value within limits for Sr 407.771 Recovery = 101.13%						
Ti 334.946†	107060.0	507.548 ug/L	1.4500	507.548 ug/L	1.4500	0.29%
QC value within limits for Ti 334.946 Recovery = 101.51%						
Tl 190.801†	422.8	2501.65 ug/L	6.107	2501.65 ug/L	6.107	0.24%
QC value within limits for Tl 190.801 Recovery = 100.07%						
V 292.395†	21188.8	509.031 ug/L	0.6495	509.031 ug/L	0.6495	0.13%
QC value within limits for V 292.395 Recovery = 101.81%						
Zn 206.200†	3366.0	499.824 ug/L	1.6143	499.824 ug/L	1.6143	0.32%
QC value within limits for Zn 206.200 Recovery = 99.96%						

All analyte(s) passed QC.

Sequence No.: 25
Sample ID: 2E09002-CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 5/9/2012 8:34:18 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Replicate Data: 2E09002-CCB

Repl#	Analyte	Net Intensity	Corrected Intensity	Calib. Conc.	Units	Sample Conc.	Units	Analysis Time
1	Sc 357.234	559255.1	559255.1	103.7	%			08:35:27
1	Y 371.029	714022.0	714022.0	104.1	%			08:35:27
1	Ag 328.068†	-320.7	140.1	2.80515	ug/L	2.80515	ug/L	08:35:32
1	Al 396.146†	656.9	34.1	-24.0037	ug/L	-24.0037	ug/L	08:35:32
1	As 188.979†	10.6	6.5	2.80565	ug/L	2.80565	ug/L	08:35:52
1	B 249.769†	651.3	191.3	0.310588	ug/L	0.310588	ug/L	08:35:32

1	Ba 455.403†	463.9	165.4	-1.18121 ug/L	-1.18121 ug/L	08:35:32
1	Be 234.863†	140.5	-22.7	-0.133551 ug/L	-0.133551 ug/L	08:35:52
1	Ca 315.874†	229.3	76.0	-0.0584276 mg/L	-0.0584276 mg/L	08:35:32
1	Cd 214.436†	-66.4	-8.2	1.08534 ug/L	1.08534 ug/L	08:35:52
1	Ce 413.764†	-2.9	-36.5	-5.18853 ug/L	-5.18853 ug/L	08:35:32
1	Co 228.616†	-51.0	-8.6	-2.29902 ug/L	-2.29902 ug/L	08:35:52
1	Cr 205.563†	48.5	12.7	0.965086 ug/L	0.965086 ug/L	08:35:52
1	Cu 324.741†	-72.1	84.5	5.20848 ug/L	5.20848 ug/L	08:35:32
1	Fe 238.204†	137.2	-37.4	-3.23883 ug/L	-3.23883 ug/L	08:35:52
1	K 766.490†	2405.6	90.1	-0.0101285 mg/L	-0.0101285 mg/L	08:35:27
1	Li 670.784†	2292.3	316.9	0.205511 ug/L	0.205511 ug/L	08:35:27
1	Mg 279.071†	90.8	-90.3	-0.0559262 mg/L	-0.0559262 mg/L	08:35:32
1	Mn 257.610†	95.9	60.0	-0.627552 ug/L	-0.627552 ug/L	08:35:32
1	Mo 202.031†	7.2	-3.1	0.167856 ug/L	0.167856 ug/L	08:35:52
1	Na 589.592†	728.1	154.3	-0.0248273 mg/L	-0.0248273 mg/L	08:35:32
1	Ni 231.604†	-24.3	5.8	0.599301 ug/L	0.599301 ug/L	08:35:52
1	Pb 220.353†	-67.1	14.7	0.968067 ug/L	0.968067 ug/L	08:35:52
1	Sb 217.584†	19.3	5.3	15.6344 ug/L	15.6344 ug/L	08:35:52
1	Se 196.026†	-5.8	15.6	2.31892 ug/L	2.31892 ug/L	08:35:52
1	Si 251.611†	644.1	80.7	1.85365 ug/L	1.85365 ug/L	08:35:52
1	Sn 189.927†	-3.4	1.8	1.04785 ug/L	1.04785 ug/L	08:35:52
1	Sr 407.771†	2001.2	70.7	-5.23345 ug/L	-5.23345 ug/L	08:35:32
1	Ti 334.946†	1362.6	-40.3	0.306837 ug/L	0.306837 ug/L	08:35:32
1	Tl 190.801†	2.2	3.7	15.6401 ug/L	15.6401 ug/L	08:35:52
1	V 292.395†	-128.8	-1.3	-0.253162 ug/L	-0.253162 ug/L	08:35:32
1	Zn 206.200†	73.7	14.6	0.831928 ug/L	0.831928 ug/L	08:35:52
2	Sc 357.234	568018.4	568018.4	105.3 %		08:35:57
2	Y 371.029	727804.7	727804.7	106.1 %		08:35:57
2	Ag 328.068†	-459.1	13.4	-0.252108 ug/L	-0.252108 ug/L	08:36:03
2	Al 396.146†	624.9	-6.1	-27.2596 ug/L	-27.2596 ug/L	08:36:03
2	As 188.979†	7.7	3.6	-5.83824 ug/L	-5.83824 ug/L	08:36:23
2	B 249.769†	667.3	196.8	0.449449 ug/L	0.449449 ug/L	08:36:03
2	Ba 455.403†	410.9	108.1	-1.29124 ug/L	-1.29124 ug/L	08:36:03
2	Be 234.863†	137.8	-27.3	-0.149134 ug/L	-0.149134 ug/L	08:36:23
2	Ca 315.874†	254.4	96.3	-0.0572438 mg/L	-0.0572438 mg/L	08:36:03
2	Cd 214.436†	-55.4	3.2	1.71710 ug/L	1.71710 ug/L	08:36:23
2	Ce 413.764†	-6.6	-40.0	-5.69127 ug/L	-5.69127 ug/L	08:36:03
2	Co 228.616†	-29.4	12.7	0.573057 ug/L	0.573057 ug/L	08:36:23
2	Cr 205.563†	28.6	-6.9	-2.30518 ug/L	-2.30518 ug/L	08:36:23
2	Cu 324.741†	-50.5	106.1	6.68846 ug/L	6.68846 ug/L	08:36:03
2	Fe 238.204†	120.8	-55.0	-4.43583 ug/L	-4.43583 ug/L	08:36:23
2	K 766.490†	2291.3	-54.3	-0.0345512 mg/L	-0.0345512 mg/L	08:35:57
2	Li 670.784†	2280.9	271.9	0.0174256 ug/L	0.0174256 ug/L	08:35:57
2	Mg 279.071†	184.7	-2.5	-0.0297558 mg/L	-0.0297558 mg/L	08:36:03
2	Mn 257.610†	76.3	40.0	-0.749738 ug/L	-0.749738 ug/L	08:36:03
2	Mo 202.031†	17.2	6.3	3.00033 ug/L	3.00033 ug/L	08:36:23
2	Na 589.592†	518.2	-55.9	-0.0421517 mg/L	-0.0421517 mg/L	08:36:03
2	Ni 231.604†	-67.3	-34.7	-3.68410 ug/L	-3.68410 ug/L	08:36:23
2	Pb 220.353†	-69.6	13.3	0.0167973 ug/L	0.0167973 ug/L	08:36:23
2	Sb 217.584†	11.2	-2.7	-1.16745 ug/L	-1.16745 ug/L	08:36:23
2	Se 196.026†	18.7	39.0	63.2389 ug/L	63.2389 ug/L	08:36:23
2	Si 251.611†	625.1	53.0	-2.19412 ug/L	-2.19412 ug/L	08:36:23
2	Sn 189.927†	-0.2	4.9	8.19744 ug/L	8.19744 ug/L	08:36:23
2	Sr 407.771†	1864.4	-89.0	-5.30393 ug/L	-5.30393 ug/L	08:36:03
2	Ti 334.946†	1385.5	-38.8	0.313873 ug/L	0.313873 ug/L	08:36:03
2	Tl 190.801†	-1.9	-0.2	-7.67523 ug/L	-7.67523 ug/L	08:36:23
2	V 292.395†	-131.7	-2.2	-0.248217 ug/L	-0.248217 ug/L	08:36:03
2	Zn 206.200†	71.4	11.4	0.348816 ug/L	0.348816 ug/L	08:36:23

Mean Data: 2E09002-CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Sc 357.234	563636.7	104.5	%	1.15				1.10%
Y 371.029	720913.4	105.1	%	1.42				1.35%
Ag 328.068†	76.8	1.27652	ug/L	2.161808	1.27652	ug/L	2.161808	169.35%
QC value within limits for Ag 328.068 Recovery = Not calculated								
Al 396.146†	14.0	-25.6317	ug/L	2.30226	-25.6317	ug/L	2.30226	8.98%
QC value within limits for Al 396.146 Recovery = Not calculated								
As 188.979†	5.0	-1.51630	ug/L	6.112159	-1.51630	ug/L	6.112159	403.10%
QC value within limits for As 188.979 Recovery = Not calculated								
B 249.769†	194.1	0.380018	ug/L	0.0981891	0.380018	ug/L	0.0981891	25.84%

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   QC value within limits for B 249.769  Recovery = Not calculated
Ba 455.403†              136.7    -1.23623 ug/L      0.077801    -1.23623 ug/L      0.077801   6.29%
   QC value within limits for Ba 455.403  Recovery = Not calculated
Be 234.863†              -25.0   -0.141342 ug/L     0.0110188   -0.141342 ug/L     0.0110188   7.80%
   QC value within limits for Be 234.863  Recovery = Not calculated
Ca 315.874†               86.2  -0.0578357 mg/L    0.00083707  -0.0578357 mg/L    0.00083707   1.45%
   QC value within limits for Ca 315.874  Recovery = Not calculated
Cd 214.436†               -2.5     1.40122 ug/L      0.446721     1.40122 ug/L      0.446721  31.88%
   QC value within limits for Cd 214.436  Recovery = Not calculated
Ce 413.764†              -38.2    -5.43990 ug/L      0.355493    -5.43990 ug/L      0.355493   6.53%
Co 228.616†                2.0   -0.862980 ug/L     2.0308631   -0.862980 ug/L     2.0308631 235.33%
   QC value within limits for Co 228.616  Recovery = Not calculated
Cr 205.563†                2.9   -0.670050 ug/L     2.3124303   -0.670050 ug/L     2.3124303 345.11%
   QC value within limits for Cr 205.563  Recovery = Not calculated
Cu 324.741†               95.3     5.94847 ug/L      1.046501     5.94847 ug/L      1.046501  17.59%
   QC value within limits for Cu 324.741  Recovery = Not calculated
Fe 238.204†              -46.2    -3.83733 ug/L      0.846406    -3.83733 ug/L      0.846406  22.06%
   QC value within limits for Fe 238.204  Recovery = Not calculated
K 766.490†                17.9  -0.0223398 mg/L    0.01726946  -0.0223398 mg/L    0.01726946   77.30%
   QC value within limits for K 766.490  Recovery = Not calculated
Li 670.784†              294.4    0.111469 ug/L      0.1329968    0.111469 ug/L      0.1329968 119.31%
   QC value within limits for Li 670.784  Recovery = Not calculated
Mg 279.071†              -46.4  -0.0428410 mg/L    0.01850521  -0.0428410 mg/L    0.01850521   43.20%
   QC value within limits for Mg 279.071  Recovery = Not calculated
Mn 257.610†               50.0   -0.688645 ug/L     0.0863991   -0.688645 ug/L     0.0863991   12.55%
   QC value within limits for Mn 257.610  Recovery = Not calculated
Mo 202.031†                1.6     1.58409 ug/L      2.002863     1.58409 ug/L      2.002863 126.44%
   QC value within limits for Mo 202.031  Recovery = Not calculated
Na 589.592†               49.2  -0.0334895 mg/L    0.01225020  -0.0334895 mg/L    0.01225020   36.58%
   QC value within limits for Na 589.592  Recovery = Not calculated
Ni 231.604†              -14.4    -1.54240 ug/L      3.028822    -1.54240 ug/L      3.028822 196.37%
   QC value within limits for Ni 231.604  Recovery = Not calculated
Pb 220.353†               14.0    0.492432 ug/L      0.6726494    0.492432 ug/L      0.6726494 136.60%
   QC value within limits for Pb 220.353  Recovery = Not calculated
Sb 217.584†                1.3     7.23348 ug/L     11.880703     7.23348 ug/L     11.880703 164.25%
   QC value within limits for Sb 217.584  Recovery = Not calculated
Se 196.026†               27.3     32.7789 ug/L      43.07695     32.7789 ug/L      43.07695 131.42%
   QC value within limits for Se 196.026  Recovery = Not calculated
Si 251.611†               66.9   -0.170235 ug/L      2.8622112   -0.170235 ug/L     2.8622112 >999.9%
   QC value within limits for Si 251.611  Recovery = Not calculated
Sn 189.927†                3.3     4.62265 ug/L      5.055525     4.62265 ug/L      5.055525 109.36%
   QC value within limits for Sn 189.927  Recovery = Not calculated
Sr 407.771†               -9.2    -5.26869 ug/L      0.049840    -5.26869 ug/L      0.049840   0.95%
   QC value within limits for Sr 407.771  Recovery = Not calculated
Ti 334.946†              -39.6    0.310355 ug/L      0.0049751    0.310355 ug/L      0.0049751  1.60%
   QC value within limits for Ti 334.946  Recovery = Not calculated
Tl 190.801†                1.7     3.98243 ug/L     16.486418     3.98243 ug/L     16.486418 413.98%
   QC value within limits for Tl 190.801  Recovery = Not calculated
V 292.395†                -1.7   -0.250689 ug/L      0.0034966   -0.250689 ug/L     0.0034966   1.39%
   QC value within limits for V 292.395  Recovery = Not calculated
Zn 206.200†               13.0    0.590372 ug/L      0.3416116    0.590372 ug/L      0.3416116  57.86%
   QC value within limits for Zn 206.200  Recovery = Not calculated
All analyte(s) passed QC.
```

Analytical Sequence
Method: AQU_6010C_116

Seq.	Loc.	ID	Status
1	-1	Hg_ReAlign	Analyzed
2	1	2E09002-CAL1	Applied
3	2	2E09002-CAL2	Applied
4	3	2E09002-CAL3	Applied
5	4	2E09002-CAL4	Applied
6	5	2E09002-CAL5	Applied
7	9	2E09002-SCV1	QC Failed
8	1	2E09002-CCB	QC Passed
9	10	2E09002-CRL1	QC Passed
10	11	2E09002-IFA1	QC Passed
11	12	2E09002-IFA2	QC Passed
12	13	2E09002-IFB1	QC Passed
13	14	2E09002-IFB2	QC Failed
14	4	2E09002-CCV	QC Failed

15	1	2E09002-CCB	QC Failed
16	17	1205737-BLK1	Analyzed
17	18	1205737-BS1	Analyzed
18	19	1204454-01	Analyzed
19	20	1205737-MS1	Analyzed
20	21	1205737-MSD1	Analyzed
21	22	2E09002-SRD1	Analyzed
22	23	1205737-PS1	Analyzed
23	24	1204454-02	Analyzed
24	4	2E09002-CCV	QC Passed
25	1	2E09002-CCB	QC Passed