REDACTED VERSION

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337)237-4775

Case Narrative for:

SEMS, INC.

Certificate of Analysis Number:

L0023792

Report To:		Project Name:	207-0016 / DELATTE METALS SUPERF
SEMS, INC.		Site:	DELATTE METALS
BRIAN SULLIVAN		Site Address:	
11628 S. CHOCTAW DRIVE			PONCHATOULA LA
BATON ROUGE		PO Number:	
LA		State:	Louisiana
70815-		State Cert. No.:	02048
ph: (225) 924-2002	fax: (225) 924-2004	Date Reported:	1/11/2013

NOTE: The Method 6020 analyses for field samples BL-03, BL-07, DW-04, MW-6, BA-01, DW-02, BA-05, MW-01, BA-03 and MW-2 were sub-contracted to the Accutest-Mid Atlantic laboratory in Dayton, New Jersey. The data as submitted by Accutest-Mid Atlantic is included in its entirety as an attachment to this report.

I. SAMPLE RECEIPT

A. All samples were received intact. The internal ice chest temperatures were measured upon receipt and recorded on the Sample Receipt Checklist included in this data package.

II. ANALYSIS

A. Holding Times: All analyses were completed within the recommended holding time.

B. Measurement Basis: "J" values may be presented for the analyses in this report. Programmatically, "J" values are those confirmed values for components detected less than the "Rep. Limit" but greater than the laboratory method detection limit (MDL). Thus, it should be noted that positive values may appear on quantitation reports but not on Form I if those values are below the MDL.

C. Analytical Exceptions: Total Metals by SW846 method 6020: Lab batch 117535-The sample specified by SEMS, Inc. for use in Accutest Gulf Coast's quality control program had Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries that were outside of the advisable quality control limit for Zinc due to possible matrix interference. Other samples of like matrix collected from this site also may be affected. A Post Digestion Spike (PDS) and Post Digestion Spike Duplicate (PDSD) was performed and all recoveries were within quality control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

Total Metals by SW846 method 6010B: Lab batch 117535-The sample specified by SEMS, Inc. for use in Accutest Gulf Coast's quality control program had Matrix Spike (MS) and Matrix Spike Duplicate (MSD) recoveries that were outside of the advisable quality control limit for Zinc due to possible matrix interference. Other samples of like matrix collected from this site also may be affected. A Post Digestion Spike (PDS) and Post Digestion Spike Duplicate (PDSD) was performed and all recoveries were within quality control limits. A Laboratory Control Sample (LCS) was analyzed as a quality control check for the analytical batch and all recoveries were within acceptable limits.

III. QUALITY CONTROL

9791738

A. Analytical Protocol and Deliverables: The samples were analyzed in accordance with the protocol requirements.

B. Initial and Continuing Calibrations: All QA acceptance criteria were met for initial and continuing calibration samples.

C. Blanks: Method and calibration blanks met the method criteria.

NOTE: This data package was produced using software base on CLP type deliverables. The forms and documentation in this data package are

Amy K. Jackson
Project Manager

1/11/2013
Date

Test results meet all requirements of NELAC, unless specified in the narrative.

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L0023792

to be considered "CLP-like" and may not meet all the criteria specified in the CLP protocols. The data are reported based on the method requirements.

CERTIFICATION:

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

Amy K. Jackson
Project Manager

1/11/2013
Date

Test results meet all requirements of NELAC, unless specified in the narrative.

Version 2.1 - Modified February 11, 2011

ACCUTEST GULF COAST
500 AMBASSADOR CAFFERY PARKWAY
SCOTT, LA 70583
(337) 237-4775

SEMS, INC.

Certificate of Analysis Number:

L0023792

Report To: SEMS, INC.
BRIAN SULLIVAN
11628 S. CHOCTAW DRIVE

BATON ROUGE
LA
70815-
ph: (225) 924-2002 fax: (225) 924-2004

Fax To:

Project Name: 207-0016 / DELATTE METALS SUPERF
Site: DELATTE METALS
Site Address:

PONCHATOULA LA

PO Number:
State: Louisiana
State Cert. No.: 02048
Date Reported: 1/11/2013

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
BA-09A	L0023792-01	Water	12/12/2012 10:14:00 AM	12/19/2012 3:10:00 PM		☐
BA-09	L0023792-02	Water	12/12/2012 10:47:00 AM	12/19/2012 3:10:00 PM		☐
MW-04	L0023792-03	Water	12/12/2012 11:11:00 AM	12/19/2012 3:10:00 PM		☐
WW-09	L0023792-04	Water	12/12/2012 11:13:00 AM	12/19/2012 3:10:00 PM		☐
WW-04	L0023792-05	Water	12/12/2012 11:43:00 AM	12/19/2012 3:10:00 PM		☐
(b) (6) WELL	L0023792-06	Water	12/12/2012 11:51:00 AM	12/19/2012 3:10:00 PM		☐
BC-03	L0023792-07	Water	12/12/2012 12:12:00 PM	12/19/2012 3:10:00 PM		☐
BC-07	L0023792-08	Water	12/12/2012 12:34:00 PM	12/19/2012 3:10:00 PM		☐
DW-04	L0023792-09	Water	12/12/2012 12:59:00 PM	12/19/2012 3:10:00 PM		☐
BC-19	L0023792-10	Water	12/12/2012 1:16:00 PM	12/19/2012 3:10:00 PM		☐
DUPLICATE #1	L0023792-11	Water	12/12/2012	12/19/2012 3:10:00 PM		☐
BC-25	L0023792-12	Water	12/13/2012 9:28:00 AM	12/19/2012 3:10:00 PM		☐
MW-3	L0023792-13	Water	12/13/2012 10:01:00 AM	12/19/2012 3:10:00 PM		☐
MW-6	L0023792-14	Water	12/13/2012 10:47:00 AM	12/19/2012 3:10:00 PM		☐
BB-01	L0023792-15	Water	12/13/2012 11:50:00 AM	12/19/2012 3:10:00 PM		☐
SOUTH WELL	L0023792-16	Water	12/13/2012 11:53:00 AM	12/19/2012 3:10:00 PM		☐
BC-17	L0023792-17	Water	12/13/2012 2:28:00 PM	12/19/2012 3:10:00 PM		☐
BC-17MS	L0023792-17MS	Water	12/13/2012 2:28:00 PM	12/19/2012 3:10:00 PM		☐
BC-17MSD	L0023792-17MSD	Water	12/13/2012 2:28:00 PM	12/19/2012 3:10:00 PM		☐
NORTH WELL	L0023792-18	Water	12/13/2012 2:35:00 PM	12/19/2012 3:10:00 PM		☐
BC-21R	L0023792-19	Water	12/13/2012 2:58:00 PM	12/19/2012 3:10:00 PM		☐
BA-01A	L0023792-20	Water	12/13/2012 3:21:00 PM	12/19/2012 3:10:00 PM		☐

Amy K. Jackson
ProjectManager

1/14/2013
Date

RonBenjamin
LaboratoryDirector

RebeccaHaryett
Quality Assurance Officer

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Project Name: 207-0016 / DELATTE METALS SUPERF
Site: DELATTE METALS
Site Address:
PONCHATOULA LA
PO Number:
State: Louisiana
State Cert. No.: 02048
Date Reported: 1/11/2013

Client Sample ID	Lab Sample ID	Matrix	Date Collected	Date Received	COC ID	HOLD
BA-01	L0023792-21	Water	12/14/2012 9:45:00 AM	12/19/2012 3:10:00 PM		☐
DW-03	L0023792-22	Water	12/14/2012 10:12:00 AM	12/19/2012 3:10:00 PM		☐
PW-04	L0023792-23	Water	12/14/2012 10:31:00 AM	12/19/2012 3:10:00 PM		☐
DW-02	L0023792-24	Water	12/14/2012 10:52:00 AM	12/19/2012 3:10:00 PM		☐
DW-02MS	L0023792-24MS	Water	12/14/2012 10:52:00 AM	12/19/2012 3:10:00 PM		☐
DW-02MSD	L0023792-24MSD	Water	12/14/2012 10:52:00 AM	12/19/2012 3:10:00 PM		☐
BA-05A	L0023792-25	Water	12/14/2012 12:26:00 PM	12/19/2012 3:10:00 PM		☐
BA-05	L0023792-26	Water	12/14/2012 12:54:00 PM	12/19/2012 3:10:00 PM		☐
MW-A	L0023792-27	Water	12/14/2012 1:24:00 PM	12/19/2012 3:10:00 PM		☐
DW-01	L0023792-28	Water	12/14/2012 1:55:00 PM	12/19/2012 3:10:00 PM		☐
MW-01	L0023792-29	Water	12/14/2012 2:17:00 PM	12/19/2012 3:10:00 PM		☐
BA-03A	L0023792-30	Water	12/14/2012 2:44:00 PM	12/19/2012 3:10:00 PM		☐
BA-03	L0023792-31	Water	12/14/2012 2:56:00 PM	12/19/2012 3:10:00 PM		☐
MW-2	L0023792-32	Water	12/14/2012 3:19:00 PM	12/19/2012 3:10:00 PM		☐
DUPLICATE # 2	L0023792-33	Water	12/13/2012	12/19/2012 3:10:00 PM		☐
DUPLICATE # 3	L0023792-34	Water	12/14/2012	12/19/2012 3:10:00 PM		☐
DUPLICATE # 4	L0023792-35	Water	12/14/2012	12/19/2012 3:10:00 PM		☐

Amy K. Jackson
ProjectManager

1/14/2013
Date

RonBenjamin
LaboratoryDirector

RebeccaHaryett
Quality Assurance Officer

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INORGANICS NARRATIVE
WORKORDER L0023792

Analytical measurements less than the laboratory reporting limit (PQL) but greater than the laboratory method detection limit (MDL) are presented as estimate quantities which are indicated with a "J" in the qualifier field on this data report.

Samples L0023792-17A, L0023792-02A, L0023792-10A, L0023792-11A, L0023792-13A were reported from a 5X dilution due to Internal Standard failures at a 1X.

Preparation Batch: 117535

Recovery of Arsenic and Zinc in the Matrix Spike and/or Matrix Spike Duplicate analyses of Client Sample ID: BC-17; Accutest Sample ID: L0023792-17A, as listed on Form V(a)-IN exceeded the control limit acceptance criteria. Field sample results affected by this non-conformance are noted with "N" in the quality control field on this data report.

Preparation Batch: 117596

No exceptions noted

Reviewed By: Laurie B McNo

Date: 1-11-13

METALS CLP-LIKE FORMS

COVER PAGE - INORGANICS DATA PACKAGE

Lab Name: SPL Inc.

Lab Code: SPLLAF

SDG: L0023792

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Matrix
BA-01A	L0023792-20	12/12/12 15:21	12/19/12 15:10	Water
BA-03A	L0023792-30	12/14/12 14:44	12/19/12 15:10	Water
BA-05A	L0023792-25	12/14/12 12:26	12/19/12 15:10	Water
BA-09	L0023792-02	12/12/12 10:47	12/19/12 15:10	Water
BA-09A	L0023792-01	12/12/12 10:14	12/19/12 15:10	Water
BB-01	L0023792-15	12/12/12 11:50	12/19/12 15:10	Water
BC-17	L0023792-17	12/12/12 14:28	12/19/12 15:10	Water
BC-19	L0023792-10	12/12/12 13:16	12/19/12 15:10	Water
BC-21R	L0023792-19	12/12/12 14:58	12/19/12 15:10	Water
BC-25	L0023792-12	12/12/12 9:28	12/19/12 15:10	Water
DUPLICATE # 2	L0023792-33	12/13/12 0:00	12/19/12 15:10	Water
DUPLICATE # 3	L0023792-34	12/14/12 0:00	12/19/12 15:10	Water
DUPLICATE # 4	L0023792-35	12/14/12 0:00	12/19/12 15:10	Water
DUPLICATE #1	L0023792-11	12/12/12 0:00	12/19/12 15:10	Water
DW-01	L0023792-28	12/14/12 13:55	12/19/12 15:10	Water
DW-03	L0023792-22	12/14/12 10:12	12/19/12 15:10	Water
MW-04	L0023792-03	12/12/12 11:11	12/19/12 15:10	Water
MW-3	L0023792-13	12/12/12 10:01	12/19/12 15:10	Water
MW-A	L0023792-27	12/14/12 13:24	12/19/12 15:10	Water
NORTH WELL	L0023792-18	12/12/12 14:35	12/19/12 15:10	Water
PW-04	L0023792-23	12/14/12 10:31	12/19/12 15:10	Water
REGAN WELL	L0023792-06	12/12/12 11:51	12/19/12 15:10	Water
SOUTH WELL	L0023792-16	12/12/12 11:53	12/19/12 15:10	Water
WW-04	L0023792-05	12/12/12 11:43	12/19/12 15:10	Water
WW-09	L0023792-04	12/12/12 11:13	12/19/12 15:10	Water

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory manager or the Manager's designee, as verified by the following signature.

Signature: Laurie B Petko

Name: Laurie B Petko

Date: 1-11-13

Title: Inorganics Manager

INORGANIC ANALYSIS DATA SHEET

Client Sample ID
BA-09A

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-01A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.000724	U	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000654	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.000406	J	0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.0316		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.000449	J	0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.00437	J	0.000548	0.01	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

BA-09

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-02A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-43-9	Cadmium	5	0.00197	J	0.000301	0.01		P	mg/L
7439-92-1	Lead	5	0.000235	U	0.000235	0.005		P	mg/L
7439-96-5	Manganese	5	6.12		0.00105	0.01		P	mg/L
7440-02-0	Nickel	5	0.245		0.0013	0.01		P	mg/L
7440-28-0	Thallium	5	0.000828	U	0.000828	0.01		P	mg/L
7440-66-6	Zinc	5	0.347		0.00274	0.05	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

MW-04

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-03A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.000724	U	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000666	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.00101		0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.0195		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.000858	J	0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.0194		0.000548	0.01	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

WW-09

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-04A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.000724	U	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000639	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.000440	J	0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.0193		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.000976	J	0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.00452	J	0.000548	0.01	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

WW-04

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-05A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.000724	U	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000638	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.00604		0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.00400		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.000482	J	0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.0174		0.000548	0.01	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

(b) (6) WELL

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-06A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.000724	U	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000640	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.00133		0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.0243		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.00217		0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.00498	J	0.000548	0.01	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID
BC-19

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-10A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	5	0.00362	U	0.00362	0.02		P	mg/L
7440-43-9	Cadmium	5	0.00163	J	0.000301	0.01		P	mg/L
7439-92-1	Lead	5	0.000235	U	0.000235	0.005		P	mg/L
7439-96-5	Manganese	5	0.00702	J	0.00105	0.01		P	mg/L
7440-02-0	Nickel	5	0.00632	J	0.0013	0.01		P	mg/L
7440-28-0	Thallium	5	0.000828	U	0.000828	0.01		P	mg/L
7440-66-6	Zinc	5	0.0169	J	0.00274	0.05	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

DUPLICATE #1

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-11A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	5	0.00362	U	0.00362	0.02		P	mg/L
7440-43-9	Cadmium	5	0.00165	J	0.000301	0.01		P	mg/L
7439-92-1	Lead	5	0.000235	U	0.000235	0.005		P	mg/L
7439-96-5	Manganese	5	0.00797	J	0.00105	0.01		P	mg/L
7440-02-0	Nickel	5	0.0013	U	0.0013	0.01		P	mg/L
7440-28-0	Thallium	5	0.000828	U	0.000828	0.01		P	mg/L
7440-66-6	Zinc	5	0.0207	J	0.00274	0.05	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID
BC-25

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-12A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.000724	U	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000648	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.000047	U	0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.180		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.000801	J	0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.00376	J	0.000548	0.01	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID
MW-3

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-13A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	5	0.00362	U	0.00362	0.02		P	mg/L
7440-43-9	Cadmium	5	0.00159	J	0.000301	0.01		P	mg/L
7439-92-1	Lead	5	0.000494	J	0.000235	0.005		P	mg/L
7439-96-5	Manganese	5	0.824		0.00105	0.01		P	mg/L
7440-02-0	Nickel	5	0.0013	U	0.0013	0.01		P	mg/L
7440-28-0	Thallium	5	0.000828	U	0.000828	0.01		P	mg/L
7440-66-6	Zinc	5	0.0115	J	0.00274	0.05	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

BB-01

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-15A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.00349	J	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000791	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.00575		0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.00664		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.00125	J	0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.00485	J	0.000548	0.01	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

SOUTH WELL

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-16A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.000724	U	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000652	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.000244	J	0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.00559		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.000412	J	0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.0210		0.000548	0.01	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

BC-17

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-17A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	5	0.00362	U	0.00362	0.02		P	mg/L
7440-43-9	Cadmium	5	0.00186	J	0.000301	0.01		P	mg/L
7439-92-1	Lead	5	0.0145		0.000235	0.005		P	mg/L
7439-96-5	Manganese	5	0.0224		0.00105	0.01		P	mg/L
7440-02-0	Nickel	5	0.0013	U	0.0013	0.01		P	mg/L
7440-28-0	Thallium	5	0.000828	U	0.000828	0.01		P	mg/L
7440-66-6	Zinc	5	0.00930	J	0.00274	0.05	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

NORTH WELL

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-18A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.000724	U	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000653	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.000900	J	0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.00452		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.000259	U	0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.00306	J	0.000548	0.01	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

BC-21R

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-19A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.000724	U	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000786	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.000851	J	0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.0577		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.00290		0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.00801	J	0.000548	0.01	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

BA-01A

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-20A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.00538		0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000635	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.000236	J	0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.0237		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.000565	J	0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.00392	J	0.000548	0.01	N	P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

DW-03

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-22A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.00828		0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000434	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.00426		0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.145		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.00787		0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.0179		0.000548	0.01		P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

PW-04

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-23A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	5	0.00362	U	0.00362	0.02		P	mg/L
7440-43-9	Cadmium	1	0.00282		0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.00120		0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	2.38		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.0493		0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.125		0.000548	0.01		P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

BA-05A

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-25A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.00132	J	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000337	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.000106	J	0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.0121		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.000497	J	0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.00362	J	0.000548	0.01		P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID
MW-A

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-27A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.000724	U	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000351	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.000252	J	0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.00252		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.00118	J	0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.00660	J	0.000548	0.01		P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID
DW-01

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-28A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.121		0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000922	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.000859	J	0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.444		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.00412		0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.0106		0.000548	0.01		P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

BA-03A

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-30A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.00189	J	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000357	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.00110		0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.0388		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.00377		0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.00369	J	0.000548	0.01		P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

DUPLICATE # 2

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-33A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.00825		0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.000340	J	0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.000047	U	0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.0129		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.000259	U	0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.00257	J	0.000548	0.01		P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

DUPLICATE # 3

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-34A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.00180	J	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.0347		0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.0229		0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.650		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.0193		0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.0858		0.000548	0.01		P	mg/L

INORGANIC ANALYSIS DATA SHEET

Client Sample ID

DUPLICATE # 4

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

% Moisture: 0

SDG: L0023792

Lab Sample ID: L0023792-35A

Date Received: 12/19/2012 3:10:00PM

Total/Dissolved: Total

Prep Method:

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	1	0.00137	J	0.000724	0.004		P	mg/L
7440-43-9	Cadmium	1	0.0395		0.000060	0.002		P	mg/L
7439-92-1	Lead	1	0.00252		0.000047	0.001		P	mg/L
7439-96-5	Manganese	1	0.548		0.00021	0.002		P	mg/L
7440-02-0	Nickel	1	0.0461		0.000259	0.002		P	mg/L
7440-28-0	Thallium	1	0.000166	U	0.000166	0.002		P	mg/L
7440-66-6	Zinc	1	0.157		0.000548	0.01		P	mg/L

CONTINUING CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCV
Analysis	1/4/13 16:00	Sample Type:	CCV
RunID:	ICPMS_130104B-4859634	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	100	97.52	97.5	P	90	110
Cadmium	100	99.06	99.1	P	90	110
Lead	100	99.34	99.3	P	90	110
Manganese	100	102.9	102.9	P	90	110
Nickel	100	104.1	104.1	P	90	110
Thallium	100	98.79	98.8	P	90	110
Zinc	100	107.6	107.6	P	90	110

CONTINUING CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCV
Analysis	1/4/13 17:07	Sample Type:	CCV
RunID:	ICPMS_130104B-4859640	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	100	97.97	98.0	P	90	110
Cadmium	100	102.7	102.7	P	90	110
Lead	100	102.1	102.1	P	90	110
Manganese	100	99.88	99.9	P	90	110
Nickel	100	101.3	101.3	P	90	110
Thallium	100	101.7	101.7	P	90	110
Zinc	100	106.1	106.1	P	90	110

CONTINUING CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCV
Analysis	1/4/13 17:29	Sample Type:	CCV
RunID:	ICPMS_130104B-4859642	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	100	100.3	100.3	P	90	110
Cadmium	100	99.85	99.8	P	90	110
Lead	100	98.51	98.5	P	90	110
Manganese	100	100.7	100.7	P	90	110
Nickel	100	101.2	101.2	P	90	110
Thallium	100	98.61	98.6	P	90	110
Zinc	100	107.5	107.5	P	90	110

CONTINUING CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCV
Analysis	1/4/13 18:05	Sample Type:	CCV
RunID:	ICPMS_130104B-4859654	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	100	98.23	98.2	P	90	110
Cadmium	100	101.0	101.0	P	90	110
Lead	100	97.56	97.6	P	90	110
Manganese	100	101.9	101.9	P	90	110
Nickel	100	100.9	100.9	P	90	110
Thallium	100	97.69	97.7	P	90	110
Zinc	100	107.9	107.9	P	90	110

CONTINUING CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCV
Analysis	1/4/13 18:37	Sample Type:	CCV
RunID:	ICPMS_130104B-4859665	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	100	96.75	96.8	P	90	110
Cadmium	100	99.80	99.8	P	90	110
Lead	100	99.21	99.2	P	90	110
Manganese	100	101.5	101.5	P	90	110
Nickel	100	100.9	100.9	P	90	110
Thallium	100	98.74	98.7	P	90	110
Zinc	100	107.6	107.6	P	90	110

CONTINUING CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCV
Analysis	1/7/13 16:54	Sample Type:	CCV
RunID:	ICPMS_130107A-4860507	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	100	98.22	98.2	P	90	110
Cadmium	100	98.35	98.4	P	90	110
Lead	100	103.0	103.0	P	90	110
Manganese	100	99.33	99.3	P	90	110
Nickel	100	98.36	98.4	P	90	110
Thallium	100	102.9	102.9	P	90	110
Zinc	100	98.38	98.4	P	90	110

CONTINUING CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCV
Analysis	1/7/13 17:31	Sample Type:	CCV
RunID:	ICPMS_130107A-4860514	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	100	96.62	96.6	P	90	110
Cadmium	100	95.71	95.7	P	90	110
Lead	100	100.4	100.4	P	90	110
Manganese	100	99.82	99.8	P	90	110
Nickel	100	99.29	99.3	P	90	110
Thallium	100	100.9	100.9	P	90	110
Zinc	100	102.9	102.9	P	90	110

INITIAL CALIBRATION BLANK

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Lab Sample ID: ICB

Matrix: Water

Analysis Date: 1/4/13 15:09

Run ID: ICPMS_130104B-4859623

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	0.72	U	0.72	4.0	P	ug/L
7440-43-9	Cadmium	0.33	J	0.060	2.0	P	ug/L
7439-92-1	Lead	0.047	U	0.047	1.0	P	ug/L
7439-96-5	Manganese	0.21	U	0.21	2.0	P	ug/L
7440-02-0	Nickel	0.26	U	0.26	2.0	P	ug/L
7440-28-0	Thallium	0.17	U	0.17	2.0	P	ug/L
7440-66-6	Zinc	0.79	J	0.55	6.0	P	ug/L

INITIAL CALIBRATION BLANK

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Lab Sample ID: ICB

Matrix: Water

Analysis Date: 1/7/13 16:16

Run ID: ICPMS_130107A-4860496

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	0.72	U	0.72	4.0	P	ug/L
7440-43-9	Cadmium	0.63	J	0.060	2.0	P	ug/L
7439-92-1	Lead	0.047	U	0.047	1.0	P	ug/L
7439-96-5	Manganese	0.44	J	0.21	2.0	P	ug/L
7440-02-0	Nickel	0.26	U	0.26	2.0	P	ug/L
7440-28-0	Thallium	0.17	U	0.17	2.0	P	ug/L
7440-66-6	Zinc	0.81	J	0.55	6.0	P	ug/L

METHOD BLANK

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	MBLK-117596
Matrix:	Water	Total/Dissolved:	Total
Analysis Date:	12/31/12 13:53		
Run ID:	ICPMS_121231B-4854762		

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7439-92-1	Lead	0.0000470	U	0.0000470	0.001	P	mg/L

METHOD BLANK

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	MBLK-117535
Matrix:	Water	Total/Dissolved:	Total
Analysis Date:	1/4/13 15:29		
Run ID:	ICPMS_130104B-4859626		

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	0.000724	U	0.000724	0.004	P	mg/L
7440-43-9	Cadmium	0.000321	J	0.0000602	0.002	P	mg/L
7439-92-1	Lead	0.0000470	U	0.0000470	0.001	P	mg/L
7439-96-5	Manganese	0.000306	J	0.000210	0.002	P	mg/L
7440-02-0	Nickel	0.000259	U	0.000259	0.002	P	mg/L
7440-28-0	Thallium	0.000166	U	0.000166	0.002	P	mg/L
7440-66-6	Zinc	0.00364	J	0.000548	0.006	P	mg/L

METHOD BLANK

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	MBLK-117596
Matrix:	Water	Total/Dissolved:	Total
Analysis Date:	1/4/13 17:41		
Run ID:	ICPMS_130104B-4859646		

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	0.000724	U	0.000724	0.004	P	mg/L
7440-43-9	Cadmium	0.000324	J	0.0000602	0.002	P	mg/L
7439-92-1	Lead	0.0000470	U	0.0000470	0.001	P	mg/L
7439-96-5	Manganese	0.000326	J	0.000210	0.002	P	mg/L
7440-02-0	Nickel	0.000259	U	0.000259	0.002	P	mg/L
7440-28-0	Thallium	0.000166	U	0.000166	0.002	P	mg/L
7440-66-6	Zinc	0.00469	J	0.000548	0.006	P	mg/L

CONTINUING CALIBRATION BLANK

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Lab Sample ID: CCB

Matrix: Water

Analysis Date: 1/4/13 16:04

Run ID: ICPMS_130104B-4859635

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	0.72	U	0.72	4.0	P	ug/L
7440-43-9	Cadmium	0.32	J	0.060	2.0	P	ug/L
7439-92-1	Lead	0.047	U	0.047	1.0	P	ug/L
7439-96-5	Manganese	0.21	U	0.21	2.0	P	ug/L
7440-02-0	Nickel	0.26	U	0.26	2.0	P	ug/L
7440-28-0	Thallium	0.17	U	0.17	2.0	P	ug/L
7440-66-6	Zinc	0.71	J	0.55	6.0	P	ug/L

CONTINUING CALIBRATION BLANK

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Lab Sample ID: CCB

Matrix: Water

Analysis Date: 1/4/13 17:10

Run ID: ICPMS_130104B-4859641

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	0.72	U	0.72	4.0	P	ug/L
7440-43-9	Cadmium	0.32	J	0.060	2.0	P	ug/L
7439-92-1	Lead	0.047	U	0.047	1.0	P	ug/L
7439-96-5	Manganese	0.21	U	0.21	2.0	P	ug/L
7440-02-0	Nickel	0.26	U	0.26	2.0	P	ug/L
7440-28-0	Thallium	0.17	U	0.17	2.0	P	ug/L
7440-66-6	Zinc	0.71	J	0.55	6.0	P	ug/L

CONTINUING CALIBRATION BLANK

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Lab Sample ID: CCB

Matrix: Water

Analysis Date: 1/4/13 17:32

Run ID: ICPMS_130104B-4859643

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	0.72	U	0.72	4.0	P	ug/L
7440-43-9	Cadmium	0.33	J	0.060	2.0	P	ug/L
7439-92-1	Lead	0.047	U	0.047	1.0	P	ug/L
7439-96-5	Manganese	0.21	U	0.21	2.0	P	ug/L
7440-02-0	Nickel	0.26	U	0.26	2.0	P	ug/L
7440-28-0	Thallium	0.17	U	0.17	2.0	P	ug/L
7440-66-6	Zinc	0.56	J	0.55	6.0	P	ug/L

CONTINUING CALIBRATION BLANK

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Lab Sample ID: CCB

Matrix: Water

Analysis Date: 1/4/13 18:08

Run ID: ICPMS_130104B-4859655

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	0.72	U	0.72	4.0	P	ug/L
7440-43-9	Cadmium	0.33	J	0.060	2.0	P	ug/L
7439-92-1	Lead	0.047	U	0.047	1.0	P	ug/L
7439-96-5	Manganese	0.25	J	0.21	2.0	P	ug/L
7440-02-0	Nickel	0.26	U	0.26	2.0	P	ug/L
7440-28-0	Thallium	0.17	U	0.17	2.0	P	ug/L
7440-66-6	Zinc	1.6	J	0.55	6.0	P	ug/L

CONTINUING CALIBRATION BLANK

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Lab Sample ID: CCB

Matrix: Water

Analysis Date: 1/4/13 18:40

Run ID: ICPMS_130104B-4859666

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	0.72	U	0.72	4.0	P	ug/L
7440-43-9	Cadmium	0.34	J	0.060	2.0	P	ug/L
7439-92-1	Lead	0.047	U	0.047	1.0	P	ug/L
7439-96-5	Manganese	0.31	J	0.21	2.0	P	ug/L
7440-02-0	Nickel	0.26	U	0.26	2.0	P	ug/L
7440-28-0	Thallium	0.17	U	0.17	2.0	P	ug/L
7440-66-6	Zinc	0.64	J	0.55	6.0	P	ug/L

CONTINUING CALIBRATION BLANK

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Lab Sample ID: CCB

Matrix: Water

Analysis Date: 1/7/13 16:57

Run ID: ICPMS_130107A-4860508

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	0.72	U	0.72	4.0	P	ug/L
7440-43-9	Cadmium	0.64	J	0.060	2.0	P	ug/L
7439-92-1	Lead	0.047	U	0.047	1.0	P	ug/L
7439-96-5	Manganese	0.46	J	0.21	2.0	P	ug/L
7440-02-0	Nickel	0.26	U	0.26	2.0	P	ug/L
7440-28-0	Thallium	0.17	U	0.17	2.0	P	ug/L
7440-66-6	Zinc	1.2	J	0.55	6.0	P	ug/L

CONTINUING CALIBRATION BLANK

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Lab Sample ID: CCB

Matrix: Water

Analysis Date: 1/7/13 17:34

Run ID: ICPMS_130107A-4860515

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	0.72	U	0.72	4.0	P	ug/L
7440-43-9	Cadmium	0.64	J	0.060	2.0	P	ug/L
7439-92-1	Lead	0.047	U	0.047	1.0	P	ug/L
7439-96-5	Manganese	0.47	J	0.21	2.0	P	ug/L
7440-02-0	Nickel	0.26	U	0.26	2.0	P	ug/L
7440-28-0	Thallium	0.17	U	0.17	2.0	P	ug/L
7440-66-6	Zinc	2.4	J	0.55	6.0	P	ug/L

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF ICS Source: Lab ICS Mix

Dissolved: Total

ICP ID Number: ICPMS Concentration Units: ug/L

Analyte	True		Found						QC Limits	
			01/04/2013 15:12			01/04/2013 15:15				
	Sol. A	Sol. AB	Sol. A Found	% R	Q	Sol. AB Found	% R	Q	Sol. A	Sol. AB
Aluminum	100000	100000	100728	100.7		97489.4	97.49		70-130	70-130
Antimony	0	0	1.22089	0		1.16041	0		-	-
Arsenic	0	40	0	0		35	87.62		-	70-130
Barium	0	0	3.2584	0		3.28727	0		-	-
Beryllium	0	0	0.3112	0		0	0		-	-
Boron	0	0	3.0385	0		2.32782	0		-	-
Cadmium	0	40	3.4	0		41.7	104.2		-	70-130
Calcium	100000	100000	103345	103.3		104769	104.8		70-130	70-130
Cerium	0	0	1068.6	0		1071	0		-	-
Chromium	0	80	2.68279	0		86.5	108.2		-	70-130
Cobalt	0	80	2.1	0		82.1	102.6		-	70-130
Copper	0	80	1.67734	0		80	100.1		-	70-130
Iron	100000	100000	109093	109.1		110131	110.1		70-130	70-130
Lead	0	0	0.13742	0		0.14047	0		-	-
Lithium	0	0	0	0		0	0		-	-
Magnesium	100000	100000	95310.9	95.31		95539.7	95.54		70-130	70-130
Manganese	0	80	14.9	0		96.4	120.6		-	70-130
Molybdenum	2000	2000	2233.6	111.7		2189.4	109.5		70-130	70-130
Nickel	0	80	2.9	0		82.6	103.3		-	70-130
Potassium	100000	100000	98474.6	98.48		103078	103.1		70-130	70-130
Selenium	0	40	1.83753	0		39.6	98.99		-	70-130
Silver	0	20	0.45261	0		20	99.88		-	70-130
Sodium	100000	100000	95807.2	95.81		100642	100.6		70-130	70-130
Strontium	0	0	2	0		2	0		-	-
Thallium	0	0	0	0		0	0		-	-
Tin	0	0	0.63536	0		0.64577	0		-	-
Titanium	2000	0	1827.7	91.38		1833.4	0		70-130	-

Uranium	0	0	0.46533	0		0.46246	0		-	-
Vanadium	0	80	0	0		83.7	104.6		-	70-130
Zinc	0	40	2.70947	0		43.1	107.8		-	70-130

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF ICS Source: Lab ICS Mix

Dissolved: Total

ICP ID Number: ICPMS Concentration Units: ug/L

Analyte	True		Found						QC Limits	
			01/04/2013 17:35			01/04/2013 17:38				
	Sol. A	Sol. AB	Sol. A Found	% R	Q	Sol. AB Found	% R	Q	Sol. A	Sol. AB
Aluminum	100000	100000	101817	101.8		100308	100.3		70-130	70-130
Antimony	0	0	1.26965	0		1.25046	0		-	-
Arsenic	0	40	0	0		34.4	86.1		-	70-130
Barium	0	0	3.22115	0		3.21347	0		-	-
Beryllium	0	0	0	0		0	0		-	-
Boron	0	0	2.43645	0		2.37984	0		-	-
Cadmium	0	40	3.5	0		42.9	107.1		-	70-130
Calcium	100000	100000	104668	104.7		103923	103.9		70-130	70-130
Cerium	0	0	1062.2	0		1036.1	0		-	-
Chromium	0	80	2.8652	0		84.5	105.7		-	70-130
Cobalt	0	80	2.2	0		83.3	104.2		-	70-130
Copper	0	80	1.58429	0		81	101.3		-	70-130
Iron	100000	100000	111079	111.1		109998	110		70-130	70-130
Lead	0	0	0.14414	0		0.13901	0		-	-
Lithium	0	0	0	0		0	0		-	-
Magnesium	100000	100000	98897.4	98.9		98855	98.86		70-130	70-130
Manganese	0	80	14.5	0		97.1	121.3		-	70-130
Molybdenum	2000	2000	2175.9	108.8		2214.5	110.7		70-130	70-130
Nickel	0	80	2.9	0		82.9	103.6		-	70-130
Potassium	100000	100000	101771	101.8		105006	105		70-130	70-130
Selenium	0	40	1.7682	0		39.5	98.71		-	70-130
Silver	0	20	0.456	0		20.1	100.3		-	70-130
Sodium	100000	100000	99252.1	99.25		100116	100.1		70-130	70-130
Strontium	0	0	2	0		2	0		-	-
Thallium	0	0	0	0		0	0		-	-
Tin	0	0	0.59657	0		0.62788	0		-	-
Titanium	2000	0	1827.1	91.35		1826.1	0		70-130	-

Uranium	0	0	0.46451	0		0.45974	0		-	-
Vanadium	0	80	0	0		82	102.5		-	70-130
Zinc	0	40	2.80124	0		42.5	106.3		-	70-130

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF ICS Source: Lab ICS Mix

Dissolved: Total

ICP ID Number: ICPMS Concentration Units: ug/L

Analyte	True		Found						QC Limits	
			01/04/2013 18:43			01/04/2013 18:46				
	Sol. A	Sol. AB	Sol. A Found	% R	Q	Sol. AB Found	% R	Q	Sol. A	Sol. AB
Aluminum	100000	100000	98149.7	98.15		97172.5	97.17		70-130	70-130
Antimony	0	0	1.30333	0		1.27258	0		-	-
Arsenic	0	40	0	0		34.5	86.35		-	70-130
Barium	0	0	3.15617	0		3.06154	0		-	-
Beryllium	0	0	0	0		0	0		-	-
Boron	0	0	3.56764	0		3.47792	0		-	-
Cadmium	0	40	3.4	0		42.6	106.4		-	70-130
Calcium	100000	100000	104258	104.3		105987	106		70-130	70-130
Cerium	0	0	999.4	0		1046.5	0		-	-
Chromium	0	80	2.75149	0		84.8	106		-	70-130
Cobalt	0	80	2.1	0		81.3	101.6		-	70-130
Copper	0	80	1.64856	0		77.8	97.3		-	70-130
Iron	100000	100000	110769	110.8		111471	111.5		70-130	70-130
Lead	0	0	0.1343	0		0.14757	0		-	-
Lithium	0	0	0	0		0	0		-	-
Magnesium	100000	100000	96221.9	96.22		92904.3	92.9		70-130	70-130
Manganese	0	80	14.6	0		97.8	122.2		-	70-130
Molybdenum	2000	2000	2178.7	108.9		2244.8	112.2		70-130	70-130
Nickel	0	80	2.8	0		83	103.7		-	70-130
Potassium	100000	100000	99321.9	99.32		96008.4	96.01		70-130	70-130
Selenium	0	40	1.76827	0		38.7	96.76		-	70-130
Silver	0	20	0.43959	0		20.7	103.3		-	70-130
Sodium	100000	100000	97635.7	97.64		96317.5	96.32		70-130	70-130
Strontium	0	0	2	0		2	0		-	-
Thallium	0	0	0	0		0	0		-	-
Tin	0	0	0.58946	0		0.60545	0		-	-
Titanium	2000	0	1836.6	91.83		1810.2	0		70-130	-

ICP INTERFERENCE CHECK SAMPLE

Uranium	0	0	0.46696	0		0.46175	0		-	-
Vanadium	0	80	0	0		81.7	102.2		-	70-130
Zinc	0	40	2.89543	0		42.4	106.1		-	70-130

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF ICS Source: Lab ICS Mix

Dissolved: Total

ICP ID Number: ICPMS Concentration Units: ug/L

Analyte	True		Found						QC Limits	
			01/07/2013 16:19			01/07/2013 16:22				
	Sol. A	Sol. AB	Sol. A Found	% R	Q	Sol. AB Found	% R	Q	Sol. A	Sol. AB
Aluminum	100000	100000	103999	104		105552	105.6		70-130	70-130
Antimony	0	0	1.60436	0		1.49438	0		-	-
Arsenic	0	40	0	0		36.1	90.23		-	70-130
Barium	0	0	3.53039	0		3.53881	0		-	-
Beryllium	0	0	0	0		0	0		-	-
Boron	0	0	4.39885	0		3.74279	0		-	-
Cadmium	0	40	3.8	0		42.8	106.9		-	70-130
Calcium	100000	100000	105264	105.3		109740	109.7		70-130	70-130
Cerium	0	0	1234.6	0		1239.1	0		-	-
Chromium	0	80	3.03189	0		86.1	107.6		-	70-130
Cobalt	0	80	2	0		84	105		-	70-130
Copper	0	80	2.1	0		79.7	99.6		-	70-130
Iron	100000	100000	109223	109.2		110230	110.2		70-130	70-130
Lead	0	0	0.15669	0		0.15723	0		-	-
Lithium	0	0	0	0		0	0		-	-
Magnesium	100000	100000	96223.4	96.22		99521.9	99.52		70-130	70-130
Manganese	0	80	12.3	0		93.8	117.3		-	70-130
Molybdenum	2000	2000	2269.1	113.5		2244.9	112.2		70-130	70-130
Nickel	0	80	3.1	0		84.1	105.1		-	70-130
Potassium	100000	100000	110902	110.9		107584	107.6		70-130	70-130
Selenium	0	40	0	0		37.6	94.02		-	70-130
Silver	0	20	0.25944	0		20.3	101.6		-	70-130
Sodium	100000	100000	98190.3	98.19		103201	103.2		70-130	70-130
Strontium	0	0	1.7	0		1.6	0		-	-
Thallium	0	0	0	0		0	0		-	-
Tin	0	0	0.71101	0		0.74795	0		-	-
Titanium	2000	0	1856.9	92.84		1839.4	0		70-130	-

ICP INTERFERENCE CHECK SAMPLE

Uranium	0	0	0.65347	0		0.65201	0		-	-
Vanadium	0	80	0	0		85.3	106.7		-	70-130
Zinc	0	40	3.58512	0		42	105.1		-	70-130

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF ICS Source: Lab ICS Mix

Dissolved: Total

ICP ID Number: ICPMS Concentration Units: ug/L

Analyte	True		Found						QC Limits	
			01/07/2013 17:36			01/07/2013 17:39				
	Sol. A	Sol. AB	Sol. A Found	% R	Q	Sol. AB Found	% R	Q	Sol. A	Sol. AB
Aluminum	100000	100000	95773.1	95.77		94911.8	94.91		70-130	70-130
Antimony	0	0	1.47852	0		1.48178	0		-	-
Arsenic	0	40	0	0		35.1	87.83		-	70-130
Barium	0	0	3.37119	0		3.1632	0		-	-
Beryllium	0	0	0	0		0	0		-	-
Boron	0	0	2.83338	0		2.47015	0		-	-
Cadmium	0	40	3.7	0		41.1	102.7		-	70-130
Calcium	100000	100000	100265	100.3		103228	103.2		70-130	70-130
Cerium	0	0	1177.4	0		1193.1	0		-	-
Chromium	0	80	3.36311	0		83.3	104.1		-	70-130
Cobalt	0	80	1.87916	0		78.8	98.54		-	70-130
Copper	0	80	2	0		74.7	93.32		-	70-130
Iron	100000	100000	103175	103.2		104460	104.5		70-130	70-130
Lead	0	0	0.13455	0		0.13924	0		-	-
Lithium	0	0	0	0		0	0		-	-
Magnesium	100000	100000	92861.8	92.86		92915.8	92.92		70-130	70-130
Manganese	0	80	11.2	0		90.1	112.6		-	70-130
Molybdenum	2000	2000	2151.1	107.6		2170.4	108.5		70-130	70-130
Nickel	0	80	2.7	0		78.5	98.15		-	70-130
Potassium	100000	100000	96824.6	96.82		98637.6	98.64		70-130	70-130
Selenium	0	40	0	0		36.7	91.78		-	70-130
Silver	0	20	0.25485	0		19.5	97.74		-	70-130
Sodium	100000	100000	97012.6	97.01		98294	98.29		70-130	70-130
Strontium	0	0	1.5	0		1.5	0		-	-
Thallium	0	0	0	0		0	0		-	-
Tin	0	0	0.68142	0		0.82982	0		-	-
Titanium	2000	0	1737.3	86.86		1747.7	0		70-130	-

ICP INTERFERENCE CHECK SAMPLE

Uranium	0	0	0.65321	0		0.65091	0		-	-
Vanadium	0	80	0	0		79.6	99.45		-	70-130
Zinc	0	40	3.39954	0		38	95.05		-	70-130

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF Ext. method:

Total/Diss.: Total Level:(low/med): LOW

Matrix Spike - Client SampleID: BC-17MS

Analyte	SPIKE ADDED mg/L	SAMPLE CONCENTRATION mg/L	C	MS CONCENTRATION mg/L	C	MS % REC	Q	QC LIMITS LOW	QC LIMITS HIGH	M
Arsenic	0.1	0.00362	U	0.1062		106.2		75	125	P
Cadmium	0.1	0.00186	J	0.1083		106		75	125	P
Lead	0.1	0.0145		0.1220		108		75	125	P
Manganese	0.1	0.0224		0.1329		111		75	125	P
Nickel	0.1	0.0013	U	0.1194		119.4		75	125	P
Thallium	0.1	0.000828	U	0.1065		106.5		75	125	P
Zinc	0.1	0.00930	J	0.1397		130	N	75	125	P

Matrix Spike - Client SampleID: BC-17MSD

Analyte	SPIKE ADDED mg/L	MSD CONCENTRATION mg/L	C	MSD % REC	Q	% RPD	Q	QC LIMITS RPD	QC LIMITS LOW	QC LIMITS HIGH	M
Arsenic	0.1	0.1028		102.8		3.25		20	75	125	P
Cadmium	0.1	0.1081		106		0.185		20	75	125	P
Lead	0.1	0.1200		106		1.65		20	75	125	P
Manganese	0.1	0.1302		108		2.05		20	75	125	P
Nickel	0.1	0.1098		109.8		8.38		20	75	125	P
Thallium	0.1	0.1059		105.9		0.565		20	75	125	P
Zinc	0.1	0.1159		107		18.6		20	75	125	P

All percent recovery and RPD values for samples and QC samples were calculated using raw results prior to rounding and are correct as reported. Due to rounding and significant digits, percent recovery and RPD values calculated using displayed results might differ slightly from those reported.

POST DIGESTION SPIKE/POST DIGESTION SPIKE DUPLICATE

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF Ext. method:

Total/Diss.: Total Level:(low/med): LOW

Matrix Spike - Client SampleID: BC-17PDS

Analyte	SPIKE ADDED mg/L	SAMPLE CONCENTRATION mg/L	C	PDS CONCENTRATION mg/L	PDS % REC	Q	QC LIMITS LOW	QC LIMITS HIGH	M
Arsenic	2.5	0.00362	U	2.637	105.5		75	125	P
Cadmium	2.5	0.00186	J	2.718	109		75	125	P
Lead	2.5	0.0145		2.727	109		75	125	P
Manganese	2.5	0.0224		2.817	112		75	125	P
Nickel	2.5	0.0013	U	2.820	112.8		75	125	P
Thallium	2.5	0.000828	U	2.705	108.2		75	125	P
Zinc	2.5	0.00930	J	2.835	113		75	125	P

Analyte	SPIKE ADDED mg/L	PDSD CONCENTRATION mg/L	PDSD % REC	Q	% RPD	Q	QC LIMITS RPD	QC LIMITS LOW	QC LIMITS HIGH	M
Arsenic	2.5	2.572	102.9		2.50		20	75	125	P
Cadmium	2.5	2.693	108		0.924		20	75	125	P
Lead	2.5	2.633	105		3.51		20	75	125	P
Manganese	2.5	2.743	109		2.66		20	75	125	P
Nickel	2.5	2.722	108.9		3.54		20	75	125	P
Thallium	2.5	2.616	104.6		3.35		20	75	125	P
Zinc	2.5	2.738	109		3.48		20	75	125	P

All percent recovery and RPD values for samples and QC samples were calculated using raw results prior to rounding and are correct as reported. Due to rounding and significant digits, percent recovery and RPD values calculated using displayed results might differ slightly from those reported.

LABORATORY CONTROL SAMPLE

LCS-117596

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Total/Dissolved: Total

Solid LCS Source:

Aqueous LCS Source:

Analyte	M	Aqueous (mg/L) True	Found	%R	Limits	Solid (mg/kg) True	Found	C	%R	Limits
Lead	P	0.1	0.1019	101.9	80 - 120					

All percent recovery and RPD values for samples and QC samples were calculated using raw results prior to rounding and are correct as reported. Due to rounding and significant digits, percent recovery and RPD values calculated using displayed results might differ slightly from those reported.

LABORATORY CONTROL SAMPLE

LCS-117535

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF Total/Dissolved: Total

Solid LCS Source:

Aqueous LCS Source:

Analyte	M	Aqueous (mg/L) True	Found	%R	Limits	Solid (mg/kg) True	Found	C	%R	Limits
Arsenic	P	0.1	0.09910	99.10	80 - 120					
Cadmium	P	0.1	0.1061	106.1	80 - 120					
Lead	P	0.1	0.1105	110.5	80 - 120					
Manganese	P	0.1	0.1191	119.1	80 - 120					
Nickel	P	0.1	0.1186	118.6	80 - 120					
Thallium	P	0.1	0.1113	111.3	80 - 120					
Zinc	P	0.1	0.1118	111.8	80 - 120					

All percent recovery and RPD values for samples and QC samples were calculated using raw results prior to rounding and are correct as reported. Due to rounding and significant digits, percent recovery and RPD values calculated using displayed results might differ slightly from those reported.

LABORATORY CONTROL SAMPLE

LCS-117596

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF Total/Dissolved: Total

Solid LCS Source:

Aqueous LCS Source:

Analyte	M	Aqueous (mg/L) True	Found	%R	Limits	Solid (mg/kg) True	Found	C	%R	Limits
Arsenic	P	0.1	0.1005	100.5	80 - 120					
Cadmium	P	0.1	0.1063	106.3	80 - 120					
Lead	P	0.1	0.1079	107.9	80 - 120					
Manganese	P	0.1	0.1150	115.0	80 - 120					
Nickel	P	0.1	0.1141	114.1	80 - 120					
Thallium	P	0.1	0.1077	107.7	80 - 120					
Zinc	P	0.1	0.1075	107.5	80 - 120					

All percent recovery and RPD values for samples and QC samples were calculated using raw results prior to rounding and are correct as reported. Due to rounding and significant digits, percent recovery and RPD values calculated using displayed results might differ slightly from those reported.

ICP SERIAL DILUTIONS

Client Sample ID
BC-17SD

Lab Name: SPL Inc.

Lab Code: SPLLAF

Matrix: Water

Level: LOW

Total/Diss.: Total

Lab Sample ID: L0023792-17A

SDG: L0023792

Concentration Units: mg/L

Analyte	Initial Sample Results (I)	C	Serial Dilution Results (S)	C	% Difference	Q	M
Arsenic	0.00362	U	0.01809	U			P
Cadmium	0.00186	J	0.008106	J			P
Lead	0.0145		0.01127	J			P
Manganese	0.0224		0.02694	J			P
Nickel	0.0013	U	0.006479	U			P
Thallium	0.000828	U	0.004139	U			P
Zinc	0.00930	J	0.02734	J			P

All percent recovery and RPD values for samples and QC samples were calculated using raw results prior to rounding and are correct as reported. Due to rounding and significant digits, percent recovery and RPD values calculated using displayed results might differ slightly from those reported.

METHOD DETECTION LIMITS

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF

Instrument ID Number: ICPMS Date:

6020_W_ALL

Analyte	Wavelength (nm)	Background	PQL mg/L	MDL mg/L	M
Arsenic	75.000		0.0040	0.00072	P
Cadmium	111.000		0.0020	0.000060	P
Lead	208.000		0.00100	0.000047	P
Manganese	55.000		0.0020	0.00021	P
Nickel	60.000		0.0020	0.00026	P
Thallium	205.000		0.0020	0.00017	P
Zinc	66.000		0.0060	0.00055	P

ICP LINEAR RANGES

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF

ICP ID Number: ICPMS

Date:

6020_W_ALL

Analyte	Integration Time (Sec.)	Concentration ug/L	M
Arsenic	30	5.0	P
Cadmium	30	5.0	P
Lead	30	50	P
Manganese	30	50	P
Nickel	30	50	P
Thallium	30	0.99	P
Zinc	30	5.0	P

PREPARATION LOG

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF

Method: SW3010A

Total/Diss.: Total

Lab Sample ID	Client Sample ID	Preparation Date	Initial Weight (gram)	Initial Volume (ml)	Final Volume (ml)
L0023792-20A	BA-01A	12/21/12	0	50	50
L0023792-02A	BA-09	12/21/12	0	50	50
L0023792-01A	BA-09A	12/21/12	0	50	50
L0023792-15A	BB-01	12/21/12	0	50	50
L0023792-17A	BC-17	12/21/12	0	50	50
L0023792-17AMS	BC-17MS	12/21/12	0	50	50
L0023792-17AMSD	BC-17MSD	12/21/12	0	50	50
L0023792-10A	BC-19	12/21/12	0	50	50
L0023792-19A	BC-21R	12/21/12	0	50	50
L0023792-12A	BC-25	12/21/12	0	50	50
L0023792-11A	DUPLICATE #1	12/21/12	0	50	50
LCS-117535	LCS-117535	12/21/12	0	50	50
MBLK-117535	MBLK-117535	12/21/12	0	50	50
L0023792-03A	MW-04	12/21/12	0	50	50
L0023792-13A	MW-3	12/21/12	0	50	50
L0023792-18A	NORTH WELL	12/21/12	0	50	50
L0023792-06A	(b) (6) WELL	12/21/12	0	50	50
L0023792-16A	SOUTH WELL	12/21/12	0	50	50
L0023792-05A	WW-04	12/21/12	0	50	50
L0023792-04A	WW-09	12/21/12	0	50	50

PREPARATION LOG

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF

Method: SW3010A

Total/Diss.: Total

Lab Sample ID	Client Sample ID	Preparation Date	Initial Weight (gram)	Initial Volume (ml)	Final Volume (ml)
L0023792-30A	BA-03A	12/26/12	0	50	50
L0023792-25A	BA-05A	12/26/12	0	50	50
L0023792-33A	DUPLICATE # 2	12/26/12	0	50	50
L0023792-34A	DUPLICATE # 3	12/26/12	0	50	50
L0023792-35A	DUPLICATE # 4	12/26/12	0	50	50
L0023792-28A	DW-01	12/26/12	0	50	50
L0023792-22A	DW-03	12/26/12	0	50	50
LCS-117596	LCS-117596	12/26/12	0	50	50
MBLK-117596	MBLK-117596	12/26/12	0	50	50
L0023792-27A	MW-A	12/26/12	0	50	50
L0023792-23A	PW-04	12/26/12	0	50	50

ANALYSIS RUN LOG

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF Method: SW6020

Instrument ID: ICPMS Total/Dissolved: Total

Start Date: 1/4/2013 End Date: 1/4/2013

Lab Sample No.	Client Sample No.	DF	Time	% R	Analytes																														
					Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Hg	Ni	K	Se	Sn	Sr	Ag	Na	Ti	Tl	V	Zn					
ICV	ICV	1	15:06				X			X						X		X			X							X		X					
ICB	ICB	1	15:09				X			X						X		X			X							X		X					
ICSA	ICSA	1	15:12		X		X			X	X				X	X	X	X			X							X		X					
ICSAB	ICSAB	1	15:15		X		X			X	X				X	X	X	X			X							X		X					
MBLK-117535	MBLK-117535	1	15:29				X			X						X		X			X							X		X					
LCS-117535	LCS-117535	1	15:32				X			X						X		X			X							X		X					
L0023792-17A	BC-17	5	15:41				X			X						X		X			X							X		X					
L0023792-17ASD	BC-17SD	25	15:45				X			X						X		X			X							X		X					
L0023792-17AMS	BC-17MS	5	15:48				X			X						X		X			X							X		X					
L0023792-17AMSD	BC-17MSD	5	15:51				X			X						X		X			X							X		X					
L0023792-17APDS	BC-17PDS	25	15:54				X			X						X		X			X							X		X					
L0023792-17APDSD	BC-17PDSD	25	15:57				X			X						X		X			X							X		X					
CCV	CCV	1	16:00				X			X						X		X			X							X		X					
CCB	CCB	1	16:04				X			X						X		X			X							X		X					
L0023792-02A	BA-09	5	16:11							X						X		X			X							X		X					
L0023792-10A	BC-19	5	16:25				X			X						X		X			X							X		X					
L0023792-11A	DUPLICATE #1	5	16:28				X			X						X		X			X							X		X					
L0023792-13A	MW-3	5	16:40				X			X						X		X			X							X		X					
CCV	CCV	1	17:07				X			X						X		X			X							X		X					
CCB	CCB	1	17:10				X			X						X		X			X							X		X					
CCV	CCV	1	17:29				X			X						X		X			X							X		X					
CCB	CCB	1	17:32				X			X						X		X			X							X		X					
ICSA	ICSA	1	17:35		X		X			X	X				X	X	X	X			X							X		X					
ICSAB	ICSAB	1	17:38		X		X			X	X				X	X	X	X			X							X		X					
MBLK-117596	MBLK-117596	1	17:41				X			X						X		X			X							X		X					
LCS-117596	LCS-117596	1	17:44				X			X						X		X			X							X		X					
L0023947-01Z	ZZZZZZ	1	17:47																																
L0023947-01BSD	L0023947-01BSD	5	17:50																																
L0023947-01BMS	L0023947-01BMS	1	17:53																																
L0023947-01BMSD	L0023947-01BMSD	1	17:56																																

ANALYSIS RUN LOG

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF Method: SW6020

Instrument ID: ICPMS Total/Dissolved: Total

Start Date: 1/4/2013 End Date: 1/4/2013

Lab Sample No.	Client Sample No.	DF	Time	% R	Analytes																												
					Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Hg	Ni	K	Se	Sn	Sr	Ag	Na	Ti	Tl	V	Zn
L0023947-01BPDS	L0023947-01BPDS	5	17:59																														
L0023947-01BPDSD	L0023947-01BPDSD	5	18:02																														
CCV	CCV	1	18:05				X			X						X		X			X							X		X		
CCB	CCB	1	18:08				X			X						X		X			X							X		X		
L0023792-22A	DW-03	1	18:11				X			X						X		X			X							X		X		
L0023792-23A	PW-04	1	18:13							X						X		X			X							X		X		
L0023792-25A	BA-05A	1	18:16				X			X						X		X			X							X		X		
L0023792-27A	MW-A	1	18:19				X			X						X		X			X							X		X		
L0023792-28A	DW-01	1	18:22				X			X						X		X			X							X		X		
L0023792-30A	BA-03A	1	18:25				X			X						X		X			X							X		X		
L0023792-33A	DUPLICATE # 2	1	18:28				X			X						X		X			X							X		X		
L0023792-34A	DUPLICATE # 3	1	18:31				X			X						X		X			X							X		X		
L0023792-35A	DUPLICATE # 4	1	18:34				X			X						X		X			X							X		X		
CCV	CCV	1	18:37				X			X						X		X			X							X		X		
CCB	CCB	1	18:40				X			X						X		X			X							X		X		
ICSA	ICSA	1	18:43		X		X			X	X				X	X	X	X			X							X		X		
ICSAB	ICSAB	1	18:46		X		X			X	X				X	X	X	X			X							X		X		

ANALYSIS RUN LOG

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF Method: SW6020

Instrument ID: ICPMS Total/Dissolved: Total

Start Date: 1/7/2013 End Date: 1/7/2013

Lab Sample No.	Client Sample No.	DF	Time	% R	Analytes																												
					Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Hg	Ni	K	Se	Sn	Sr	Ag	Na	Ti	Tl	V	Zn
ICV	ICV	1	16:10				X			X						X		X			X							X		X
ICB	ICB	1	16:16				X			X						X		X			X							X		X
ICSA	ICSA	1	16:19		X		X			X	X				X	X	X	X			X							X		X
ICSAB	ICSAB	1	16:22		X		X			X	X				X	X	X	X			X							X		X
L0023792-01A	BA-09A	1	16:31				X			X						X		X			X							X		X
L0023792-02Z	ZZZZZZ	25	16:34																											
L0023792-03A	MW-04	1	16:36				X			X						X		X			X							X		X
L0023792-04A	WW-09	1	16:39				X			X						X		X			X							X		X
L0023792-05A	WW-04	1	16:42				X			X						X		X			X							X		X
L0023792-06A	(b) (6) WELL	1	16:45				X			X						X		X			X							X		X
L0023792-12A	BC-25	1	16:48				X			X						X		X			X							X		X
L0023792-15A	BB-01	1	16:51				X			X						X		X			X							X		X
CCV	CCV	1	16:54				X			X						X		X			X							X		X
CCB	CCB	1	16:57				X			X						X		X			X							X		X
L0023792-16A	SOUTH WELL	1	17:16				X			X						X		X			X							X		X
L0023792-18A	NORTH WELL	1	17:19				X			X						X		X			X							X		X
L0023792-19A	BC-21R	1	17:22				X			X						X		X			X							X		X
L0023792-20A	BA-01A	1	17:25				X			X						X		X			X							X		X
L0023792-23A	PW-04	5	17:28				X																							
CCV	CCV	1	17:31				X			X						X		X			X							X		X
CCB	CCB	1	17:34				X			X						X		X			X							X		X
ICSA	ICSA	1	17:36		X		X			X	X				X	X	X	X			X							X		X
ICSAB	ICSAB	1	17:39		X		X			X	X				X	X	X	X			X							X		X

COVER PAGE - INORGANICS DATA PACKAGE

Lab Name: SPL Inc.

Lab Code: SPLLAF

SDG: L0023792

Client Sample ID	Lab Sample ID	Date Collected	Date Received	Matrix
BA-09	L0023792-02	12/12/12 10:47	12/19/12 15:10	Water

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette has been authorized by the Laboratory manager or the Manager's designee, as verified by the following signature.

Signature: Laurie B Petko

Date: 1-11-13

Name: Laurie B Petko

Title: Inorganics Manager

INORGANIC ANALYSIS DATA SHEET

Client Sample ID
BA-09

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	L0023792-02A
Matrix:	Water	Date Received:	12/19/2012 3:10:00PM
Level:	LOW	Total/Dissolved:	Total
% Moisture:	0	Prep Method:	STND

CAS No.	Analyte	DF	Conc.	C	MDL	PQL	Q	M	Units
7440-38-2	Arsenic	5	0.0198	U	0.0198	0.05		P	mg/L

CONTINUING CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCV
Analysis	1/9/13 13:24	Sample Type:	CCV
RunID:	ICP7300DV_130109A-4862799	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	500	503.0	100.6	P	90	110

CONTINUING CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCV
Analysis	1/9/13 13:47	Sample Type:	CCV
RunID:	ICP7300DV_130109A-4862807	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	500	512.7	102.5	P	90	110

CONTINUING CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCV
Analysis	1/9/13 14:21	Sample Type:	CCV
RunID:	ICP7300DV_130109A-4862817	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	500	500.2	100.0	P	90	110

CONTINUING CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCV
Analysis	1/9/13 14:33	Sample Type:	CCV
RunID:	ICP7300DV_130109A-4862821	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	500	508.6	101.7	P	90	110

CONTINUING CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCV
Analysis	1/9/13 11:51	Sample Type:	CCV
RunID:	ICP7300DV_130109A-4862772	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	500	504.5	100.9	P	90	110

CONTINUING CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCV
Analysis	1/9/13 12:28	Sample Type:	CCV
RunID:	ICP7300DV_130109A-4862782	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	500	501.3	100.3	P	90	110

CONTINUING CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCV
Analysis	1/9/13 12:48	Sample Type:	CCV
RunID:	ICP7300DV_130109A-4862789	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	500	491.1	98.2	P	90	110

INITIAL CALIBRATION VERIFICATION

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	ICV
Analysis	1/9/13 11:34	Sample Type:	ICV
RunID:	ICP7300DV_130109A-4862770	Concentration Units:	ug/L

Analyte	True	Found	%R	M	QC Limits Low	High
Arsenic	1000	1019	101.9	P	95	105

INITIAL CALIBRATION BLANK

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	ICB
Matrix:	Water		
Analysis Date:	1/9/13 11:39		
Run ID:	ICP7300DV_130109A-4862771		

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	5.7	U	5.7	20	P	ug/L

METHOD BLANK

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	MBLK-117535
Matrix:	Water	Total/Dissolved:	Total
Analysis Date:	1/9/13 12:10		
Run ID:	ICP7300DV_130109A-4862776		

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	0.00396	U	0.00396	0.02	P	mg/L

CONTINUING CALIBRATION BLANK

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCB
Matrix:	Water		
Analysis Date:	1/9/13 13:27		
Run ID:	ICP7300DV_130109A-4862800		

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	4.0	U	4.0	20	P	ug/L

CONTINUING CALIBRATION BLANK

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCB
Matrix:	Water		
Analysis Date:	1/9/13 13:50		
Run ID:	ICP7300DV_130109A-4862808		

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	4.0	U	4.0	20	P	ug/L

CONTINUING CALIBRATION BLANK

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Lab Sample ID: CCB

Matrix: Water

Analysis Date: 1/9/13 14:24

Run ID: ICP7300DV_130109A-4862818

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	4.0	U	4.0	20	P	ug/L

CONTINUING CALIBRATION BLANK

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCB
Matrix:	Water		
Analysis Date:	1/9/13 14:36		
Run ID:	ICP7300DV_130109A-4862822		

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	4.0	U	4.0	20	P	ug/L

CONTINUING CALIBRATION BLANK

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Lab Sample ID: CCB

Matrix: Water

Analysis Date: 1/9/13 11:53

Run ID: ICP7300DV_130109A-4862773

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	5.7	U	5.7	20	P	ug/L

CONTINUING CALIBRATION BLANK

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Lab Sample ID:	CCB
Matrix:	Water		
Analysis Date:	1/9/13 12:31		
Run ID:	ICP7300DV_130109A-4862783		

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	4.0	U	4.0	20	P	ug/L

CONTINUING CALIBRATION BLANK

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Lab Sample ID: CCB

Matrix: Water

Analysis Date: 1/9/13 12:51

Run ID: ICP7300DV_130109A-4862790

CAS No.	Analyte	Conc.	C	MDL	PQL	M	Units
7440-38-2	Arsenic	4.0	U	4.0	20	P	ug/L

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF ICS Source: Lab ICS Mix

Dissolved: Total

ICP ID Number: ICP7300DV Concentration Units: ug/L

Analyte	True		Found						QC Limits	
			01/09/2013 11:58			01/09/2013 12:01				
	Sol. A	Sol. AB	Sol. A Found	% R	Q	Sol. AB Found	% R	Q	Sol. A	Sol. AB
Aluminum	500000	500000	488466	97.69		498634	99.73		80-120	80-120
Antimony	0	10000	39.6	0		10187.8	101.9		-	80-120
Arsenic	0	10000	0	0		10336	103.4		-	80-120
Barium	0	3000	0	0		2905.5	96.85		-	80-120
Beryllium	0	1000	0	0		1028	102.8		-	80-120
Boron	0	5000	0	0		5159.8	103.2		-	80-120
Cadmium	0	3000	6.24637	0		3069.9	102.3		-	80-120
Calcium	500000	500000	476140	95.23		482285	96.46		80-120	80-120
Chromium	0	3000	1.55726	0		2859.8	95.33		-	80-120
Cobalt	0	3000	9.33796	0		2700.7	90.02		-	80-120
Copper	0	3000	0	0		3044.8	101.5		-	80-120
Iron	500000	500000	478228	95.65		480918	96.18		80-120	80-120
Lead	0	10000	0	0		9154.5	91.54		-	80-120
Magnesium	500000	500000	459889	91.98		466498	93.3		80-120	80-120
Manganese	0	2000	7.97564	0		1907.6	95.38		-	80-120
Molybdenum	0	3000	0	0		2907.2	96.91		-	80-120
Nickel	0	3000	6.63309	0		2707.2	90.24		-	80-120
Potassium	0	200000	60.7179	0		225089	112.5		-	80-120
Selenium	0	5000	0	0		5054.9	101.1		-	80-120
Silver	0	3000	4.57921	0		3191.8	106.4		-	80-120
Sodium	0	50000	0	0		52781.1	105.6		-	80-120
Thallium	0	10000	0	0		8845.6	88.46		-	80-120
Titanium	0	10000	10.8	0		9862.6	98.63		-	80-120
Vanadium	0	3000	40.1	0		3022.8	100.8		-	80-120
Zinc	0	3000	6.88123	0		2682.9	89.43		-	80-120

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF ICS Source: Lab ICS Mix

Dissolved: Total

ICP ID Number: ICP7300DV Concentration Units: ug/L

Analyte	True		Found						QC Limits	
			01/09/2013 12:54			01/09/2013 12:57				
	Sol. A	Sol. AB	Sol. A Found	% R	Q	Sol. AB Found	% R	Q	Sol. A	Sol. AB
Aluminum	500000	500000	487683	97.54		504608	100.9		80-120	80-120
Antimony	0	10000	41.7	0		10240.4	102.4		-	80-120
Arsenic	0	10000	0	0		10392	103.9		-	80-120
Barium	0	3000	0	0		2892	96.4		-	80-120
Beryllium	0	1000	0	0		1018.7	101.9		-	80-120
Boron	0	5000	0	0		5149.1	103		-	80-120
Cadmium	0	3000	3.80361	0		3101.6	103.4		-	80-120
Calcium	500000	500000	476322	95.26		490817	98.16		80-120	80-120
Chromium	0	3000	1.73164	0		2854	95.14		-	80-120
Cobalt	0	3000	8.58533	0		2714	90.47		-	80-120
Copper	0	3000	0	0		3055.6	101.9		-	80-120
Iron	500000	500000	465433	93.09		489868	97.97		80-120	80-120
Lead	0	10000	0	0		9177.1	91.77		-	80-120
Magnesium	500000	500000	457777	91.56		471389	94.28		80-120	80-120
Manganese	0	2000	8.06231	0		1903.4	95.17		-	80-120
Molybdenum	0	3000	0	0		2933.2	97.77		-	80-120
Nickel	0	3000	4.99442	0		2725.7	90.86		-	80-120
Potassium	0	200000	0	0		230281	115.1		-	80-120
Selenium	0	5000	0	0		5051	101		-	80-120
Silver	0	3000	3.50829	0		3198.2	106.6		-	80-120
Sodium	0	50000	0	0		54059.9	108.1		-	80-120
Strontium	0	500	1.86098	0		550.7	110.1		-	80-120
Thallium	0	10000	0	0		8870.3	88.7		-	80-120
Tin	0	500	0	0		463.5	92.69		-	80-120
Titanium	0	10000	10.7	0		9798.9	97.99		-	80-120
Vanadium	0	3000	35	0		3015.1	100.5		-	80-120
Zinc	0	3000	8.87522	0		2690.5	89.68		-	80-120

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF ICS Source: Lab ICS Mix

Dissolved: Total

ICP ID Number: ICP7300DV Concentration Units: ug/L

Analyte	True		Found						QC Limits	
			01/09/2013 13:53 Sol. A			01/09/2013 13:56 Sol. AB				
	Sol. A	Sol. AB	Found	% R	Q	Found	% R	Q	Sol. A	Sol. AB
Aluminum	500000	500000	502163	100.4		505272	101.1		80-120	80-120
Antimony	0	10000	54.4	0		10200	102		-	80-120
Arsenic	0	10000	0	0		10323.7	103.2		-	80-120
Barium	0	3000	0	0		2899.9	96.66		-	80-120
Beryllium	0	1000	0	0		1025.7	102.6		-	80-120
Boron	0	5000	0	0		5190.1	103.8		-	80-120
Cadmium	0	3000	5.49817	0		3078.5	102.6		-	80-120
Calcium	500000	500000	488333	97.67		496633	99.33		80-120	80-120
Chromium	0	3000	1.21451	0		2857.5	95.25		-	80-120
Cobalt	0	3000	7.72213	0		2697.1	89.9		-	80-120
Copper	0	3000	0	0		3075.3	102.5		-	80-120
Iron	500000	500000	478423	95.68		495413	99.08		80-120	80-120
Lead	0	10000	0	0		9094	90.94		-	80-120
Magnesium	500000	500000	472289	94.46		473479	94.7		80-120	80-120
Manganese	0	2000	8.32965	0		1909	95.45		-	80-120
Molybdenum	0	3000	0	0		2906.1	96.87		-	80-120
Nickel	0	3000	3.60804	0		2705.8	90.2		-	80-120
Potassium	0	200000	0	0		233410	116.7		-	80-120
Selenium	0	5000	0	0		4973.6	99.47		-	80-120
Silver	0	3000	3.86581	0		3216.4	107.2		-	80-120
Sodium	0	50000	0	0		54673.5	109.3		-	80-120
Strontium	0	500	1.87138	0		556.7	111.3		-	80-120
Thallium	0	10000	0	0		8769.7	87.7		-	80-120
Tin	0	500	0	0		451.2	90.23		-	80-120
Titanium	0	10000	11.1	0		9868.6	98.69		-	80-120
Vanadium	0	3000	42.1	0		3019.6	100.7		-	80-120
Zinc	0	3000	5.87178	0		2657.3	88.58		-	80-120

ICP INTERFERENCE CHECK SAMPLE

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF ICS Source: Lab ICS Mix

Dissolved: Total

ICP ID Number: ICP7300DV Concentration Units: ug/L

Analyte	True		Found						QC Limits	
			01/09/2013 14:39 Sol. A			01/09/2013 14:42 Sol. AB				
	Sol. A	Sol. AB	Found	% R	Q	Found	% R	Q	Sol. A	Sol. AB
Aluminum	500000	500000	501139	100.2		511952	102.4		80-120	80-120
Antimony	0	10000	57.8	0		10219.2	102.2		-	80-120
Arsenic	0	10000	0	0		10350	103.5		-	80-120
Barium	0	3000	0	0		2897.5	96.58		-	80-120
Beryllium	0	1000	0	0		1047.2	104.7		-	80-120
Boron	0	5000	0	0		5208.7	104.2		-	80-120
Cadmium	0	3000	4.87054	0		3095.2	103.2		-	80-120
Calcium	500000	500000	486885	97.38		485510	97.1		80-120	80-120
Chromium	0	3000	2.15409	0		2868.1	95.6		-	80-120
Cobalt	0	3000	6.63495	0		2708.9	90.3		-	80-120
Copper	0	3000	0	0		3085	102.8		-	80-120
Iron	500000	500000	479904	95.98		484916	96.98		80-120	80-120
Lead	0	10000	0	0		9149.5	91.5		-	80-120
Magnesium	500000	500000	472077	94.42		479315	95.86		80-120	80-120
Manganese	0	2000	9.25782	0		1916.7	95.83		-	80-120
Molybdenum	0	3000	0	0		2907.7	96.92		-	80-120
Nickel	0	3000	4.96725	0		2714.1	90.47		-	80-120
Potassium	0	200000	0	0		229955	115		-	80-120
Selenium	0	5000	0	0		4986.6	99.73		-	80-120
Silver	0	3000	4.35515	0		3225	107.5		-	80-120
Sodium	0	50000	22.6684	0		53786.1	107.6		-	80-120
Strontium	0	500	1.91516	0		546.4	109.3		-	80-120
Thallium	0	10000	0	0		8822.1	88.22		-	80-120
Tin	0	500	0	0		455.7	91.15		-	80-120
Titanium	0	10000	11.2	0		10063.6	100.6		-	80-120
Vanadium	0	3000	41.2	0		3033.2	101.1		-	80-120
Zinc	0	3000	7.64643	0		2670.9	89.03		-	80-120

MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Ext. method:	STND
Total/Diss.:	Total	Level:(low/med):	LOW

Matrix Spike - Client SampleID: L0023792-17AMS

Analyte	SPIKE ADDED mg/L	SAMPLE CONCENTRATION mg/L	C	MS CONCENTRATION mg/L	C	MS % REC	Q	QC LIMITS LOW	QC LIMITS HIGH	M
Arsenic	1	0.00396	U	0.07898		7.898	N	75	125	P

Matrix Spike - Client SampleID: L0023792-17AMSD

Analyte	SPIKE ADDED mg/L	MSD CONCENTRATION mg/L	C	MSD % REC	Q	% RPD	Q	QC LIMITS RPD	QC LIMITS LOW	QC LIMITS HIGH	M
Arsenic	1	0.07209		7.209	N	9.12		20	75	125	P

All percent recovery and RPD values for samples and QC samples were calculated using raw results prior to rounding and are correct as reported. Due to rounding and significant digits, percent recovery and RPD values calculated using displayed results might differ slightly from those reported.

POST DIGESTION SPIKE/POST DIGESTION SPIKE DUPLICATE

Lab Name:	SPL Inc.	SDG:	L0023792
Lab Code:	SPLLAF	Ext. method:	STND
Total/Diss.:	Total	Level:(low/med):	LOW

Matrix Spike - Client SampleID: L0023792-17APDS

Analyte	SPIKE ADDED mg/L	SAMPLE CONCENTRATION mg/L	C	PDS CONCENTRATION mg/L	PDS % REC	Q	QC LIMITS LOW	QC LIMITS HIGH	M
Arsenic	1	0.00396	U	1.258	125.8	N	75	125	P

Analyte	SPIKE ADDED mg/L	PDSD CONCENTRATION mg/L	PDSD % REC	Q	% RPD	Q	QC LIMITS RPD	QC LIMITS LOW	QC LIMITS HIGH	M
Arsenic	1	1.269	126.9	N	0.871		20	75	125	P

All percent recovery and RPD values for samples and QC samples were calculated using raw results prior to rounding and are correct as reported. Due to rounding and significant digits, percent recovery and RPD values calculated using displayed results might differ slightly from those reported.

LABORATORY CONTROL SAMPLE

LCS-117535

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Total/Dissolved: Total

Solid LCS Source:

Aqueous LCS Source:

Analyte	M	Aqueous (mg/L) True	Found	%R	Limits	Solid (mg/kg) True	Found	C	%R	Limits
Arsenic	P	1	1.045	104.5	80 - 120					

All percent recovery and RPD values for samples and QC samples were calculated using raw results prior to rounding and are correct as reported. Due to rounding and significant digits, percent recovery and RPD values calculated using displayed results might differ slightly from those reported.

METHOD DETECTION LIMITS

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF

Instrument ID Number: ICP7300DV Date:

6010_W

Analyte	Wavelength (nm)	Background	PQL mg/L	MDL mg/L	M
Arsenic			0.020	0.0040	P

ICP LINEAR RANGES

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF

ICP ID Number: ICP7300DV

Date:

6010_W

Analyte	Integration Time (Sec.)	Concentration	M
Arsenic	30	90	P

PREPARATION LOG

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF

Method: SW3010A

Total/Diss.: Total

Lab Sample ID	Client Sample ID	Preparation Date	Initial Weight (gram)	Initial Volume (ml)	Final Volume (ml)
L0023792-02A	BA-09	12/21/12	0	50	50
L0023792-17AMS	L0023792-17AMS	12/21/12	0	50	50
L0023792-17AMSD	L0023792-17AMSD	12/21/12	0	50	50
LCS-117535	LCS-117535	12/21/12	0	50	50
MBLK-117535	MBLK-117535	12/21/12	0	50	50

PREPARATION LOG

Lab Name: SPL Inc. SDG: L0023792

Lab Code: SPLLAF

Method: SW3010A

Total/Diss.: Total

Lab Sample ID	Client Sample ID	Preparation Date	Initial Weight (gram)	Initial Volume (ml)	Final Volume (ml)
LCS-117535	LCS-117535	12/21/12	0	50	50
MBLK-117535	MBLK-117535	12/21/12	0	50	50

ANALYSIS RUN LOG

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Method: E200.7

Instrument ID: ICP7300DV

Total/Dissolved: Total

Start Date: 1/9/2013 End Date: 1/9/2013

Lab Sample No.	Client Sample No.	DF	Time	% R	Analytes																												
					Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Hg	Ni	K	Se	Sn	Sr	Ag	Na	Ti	Tl	V	Zn
ICV	ICV	1	11:34		X		X								X	X		X													X
ICB	ICB	1	11:39		X		X								X	X		X													X
CCV	CCV	1	11:51		X		X								X	X		X													X
CCB	CCB	1	11:53		X		X								X	X		X													X
ICSA	ICSA	1	11:58		X		X				X				X	X	X	X													X
ICSAB	ICSAB	1	12:01		X		X				X				X	X	X	X													X
MBLK-117535	MBLK-117535	1	12:10				X																								
LCS-117535	LCS-117535	1	12:13				X																								
L0023792-17AZ	ZZZZZZ	1	12:16																												
L0023792-17ASD	L0023792-17ASD	5	12:19				X																								
L0023792-17AMS	L0023792-17AMS	1	12:22				X																								
L0023792-17AMSD	L0023792-17AMSD	1	12:25				X																								
CCV	CCV	1	12:28		X		X								X	X		X													X
CCB	CCB	1	12:31		X		X								X	X		X													X
L0023792-17APDS	L0023792-17APDS	5	12:34				X																								
L0023792-17APDSD	L0023792-17APDSD	5	12:37				X																								
L0023792-02A	BA-09	5	12:40				X																								
L0024318-02A	ZZZZZZ	25	12:42																												
L0024318-04A	ZZZZZZ	25	12:45																												
CCV	CCV	1	12:48		X		X								X	X		X													X
CCB	CCB	1	12:51		X		X								X	X		X													X
ICSA	ICSA	1	12:54		X		X				X				X	X	X	X													X
ICSAB	ICSAB	1	12:57		X		X				X				X	X	X	X													X
MBLK-117861	ZZZZZZ	1	13:06																												
LCS-117861	ZZZZZZ	1	13:09																												
L0024393-01B	ZZZZZZ	1	13:12																												
L0024393-01BSD	ZZZZZZ	5	13:15																												
L0024393-01BMS	ZZZZZZ	1	13:18																												
L0024393-01BMSD	ZZZZZZ	1	13:21																												
CCV	CCV	1	13:24		X		X								X	X		X													X

ANALYSIS RUN LOG

Lab Name: SPL Inc.

SDG: L0023792

Lab Code: SPLLAF

Method: SW6010B

Instrument ID: ICP7300DV

Total/Dissolved: Total

Start Date: 1/9/2013 End Date: 1/9/2013

Lab Sample No.	Client Sample No.	DF	Time	% R	Analytes																												
					Al	Sb	As	Ba	Be	Cd	Ca	Cr	Co	Cu	Fe	Pb	Mg	Mn	Mo	Hg	Ni	K	Se	Sn	Sr	Ag	Na	Ti	Tl	V	Zn
CCB	CCB	1	13:27		X		X								X	X		X												X
L0024393-01BPDS	ZZZZZZ	5	13:30																											
L0024393-01BPDSD	ZZZZZZ	5	13:33																											
L0024393-02B	ZZZZZZ	1	13:36																											
L0024393-03B	ZZZZZZ	1	13:38																											
L0024393-04B	ZZZZZZ	1	13:41																											
L0024393-05B	ZZZZZZ	1	13:44																											
CCV	CCV	1	13:47		X		X								X	X		X												X
CCB	CCB	1	13:50		X		X								X	X		X												X
ICSA	ICSA	1	13:53		X		X				X				X	X	X	X												X
ICSAB	ICSAB	1	13:56		X		X				X				X	X	X	X												X
MBLK-117862	ZZZZZZ	1	14:05																											
LCS-117862	ZZZZZZ	1	14:08																											
L0024384-06C	ZZZZZZ	1	14:11																											
L0024384-06CSD	ZZZZZZ	5	14:14																											
L0024384-06CMS	ZZZZZZ	1	14:16																											
L0024384-06CMSD	ZZZZZZ	1	14:19																											
CCV	CCV	1	14:21		X		X								X	X		X												X
CCB	CCB	1	14:24		X		X								X	X		X												X
L0024384-06CPDS	ZZZZZZ	5	14:27																											
L0024384-06CPDSD	ZZZZZZ	5	14:30																											
CCV	CCV	1	14:33		X		X								X	X		X												X
CCB	CCB	1	14:36		X		X								X	X		X												X
ICSA	ICSA	1	14:39		X		X				X				X	X	X	X												X
ICSAB	ICSAB	1	14:42		X		X				X				X	X	X	X												X

METALS RAW DATA

Run List

Sample File Name: 11.18.08.sam

AS Loc.	Sample ID	Batch Index	Sample Type
1	Cal Blank		Blank
1	Std 1		Standard
2	Std 2		Standard
3	Std 3		Standard
4	Std 4		Standard
5	Std 5		Standard
6	Std 6		Standard
7	QC Std 1		QC Std
8	QC Std 3		QC Std
9	ICSA	2	Sample
10	ICSAB	3	Spike - 2 of 2

Run List

Sample File Name: 11.18.08.sam

AS Loc.	Sample ID	Batch Index	Sample Type
101	MBLK-117535	91	Sample
102	LCS-117535	92	Sample
103	L0023792-17A	93	Sample
104	L0023792-17ASD	94	Sample
105	L0023792-17AMS	95	Sample
106	L0023792-17AMSD	96	Sample
107	L0023792-17APDS	97	Sample
108	L0023792-17APDSD	98	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
109	L0023792-01A	99	Sample
110	L0023792-02A	100	Sample
111	L0023792-03A	101	Sample
112	L0023792-04A	102	Sample
113	L0023792-05A	103	Sample
114	L0023792-06A	104	Sample
115	L0023792-10A	105	Sample
116	L0023792-11A	106	Sample
117	L0023792-12A	107	Sample
118	L0023792-13A	108	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
119	L0023792-15A	109	Sample
120	L0023792-16A	110	Sample
121	L0023792-18A	111	Sample
122	L0023792-19A	112	Sample
123	L0023792-20A	113	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
9	ICSA	114	Sample
10	ICSAB	115	Spike - 2 of 114
436	MBLK-117596	116	Sample
437	LCS-117596	117	Sample
438	L0023947-01B	118	Sample
439	L0023947-01BSD	119	Sample
440	L0023947-01BMS	120	Sample
441	L0023947-01BMSD	121	Sample
442	L0023947-01BPDS	122	Sample
443	L0023947-01BPDSD	123	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
142	L0023792-22A	124	Sample
143	L0023792-23A	125	Sample
144	L0023792-25A	126	Sample

145	L0023792-27A	127	Sample
146	L0023792-28A	128	Sample
147	L0023792-30A	129	Sample
148	L0023792-33A	130	Sample
149	L0023792-34A	131	Sample
150	L0023792-35A	132	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
9	ICSA	133	Sample
10	ICSAB	134	Spike - 2 of 133

Quantitative Analysis - Summary Report

Sample ID: Cal Blank
Sample Date/Time: Friday, January 04, 2013 14:45:51
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\Cal Blank.001
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	17858.222					ug/L
|	Li	7	1218.748					ug/L
|	Be	9	21.333					ug/L
|	B	11	256.004					ug/L
|	Na	23	8136.982					ug/L
|	Mg	24	533.351					ug/L
|	Al	27	381.675					ug/L
|	Si	28	96039.219					ug/L
|	K	39	42164.587					ug/L
|	Ca	43	261.337					ug/L
|>	Sc	45	276025.985					ug/L
|	Ti	49	478.679					ug/L
|	Co	59	41.333					ug/L
|	Ni	60	38.000					ug/L
|	Ni	62	49.333					ug/L
|	Cu	63	181.335					ug/L
|	Cu	65	81.334					ug/L
|	Zn	66	397.342					ug/L
|	Zn	67	1889.538					ug/L
|	Zn	68	234.670					ug/L
|	V	51	-706.917					ug/L
|	Cr	52	3935.521					ug/L
|	Cr	53	27108.114					ug/L
|	Mn	55	218.669					ug/L
|	Fe	54	11612.474					ug/L
⌊	Fe	57	1207.414					ug/L
⌜	As	75	-464.864					ug/L
|	Se	77	3312.605					ug/L
|	Se	82	-1.072					ug/L
|	Sr	86	-5.145					ug/L
|	Sr	87	20.584					ug/L
|	Sr	88	282.004					ug/L
|>	Y	89	726182.575					ug/L
|	Mo	95	23.333					ug/L
|	Mo	97	24.667					ug/L
⌊	Mo	98	20.539					ug/L
⌜	Ag	107	31.333					ug/L

	Ag	109	35.333	ug/L
	Cd	111	16.000	ug/L
	Cd	114	47.405	ug/L
>	In	115	360058.628	ug/L
	Sn	120	674.438	ug/L
	Sb	121	1547.465	ug/L
	Sb	123	1280.906	ug/L
	Ba	135	22.000	ug/L
	Ba	137	44.000	ug/L
	Ce	140	12.667	ug/L
	Tb	159	495282.330	ug/L
>	Ho	165	520598.034	ug/L
	Tl	203	38.667	ug/L
	Tl	205	72.667	ug/L
	Pb	208	168.001	ug/L
>	Bi	209	251603.662	mg/L
	U	238	7.333	ug/L
	Kr	83	43.267	ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45			
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89			
Mo	95			

Mo	97
Mo	98
Ag	107
Ag	109
Cd	111
Cd	114
In	115
Sn	120
Sb	121
Sb	123
Ba	135
Ba	137
Ce	140
Tb	159
Ho	165
Tl	203
Tl	205
Pb	208
Bi	209
U	238
Kr	83

Quantitative Analysis - Summary Report

Sample ID: Std 1
Sample Date/Time: Friday, January 04, 2013 14:48:49
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\Std 1.002
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	18154.955	0.000				ug/L
|	Li	7	1434.113	0.001				ug/L
|	Be	9	64.000	0.000				ug/L
|	B	11	248.670	-0.000				ug/L
|	Na	23	7169.512	-0.004				ug/L
|	Mg	24	466.679	-0.000				ug/L
|	Al	27	2281.953	0.007				ug/L
|	Si	28	79791.393	-0.063				ug/L
|	K	39	42466.056	-0.001				ug/L
|	Ca	43	342.673	0.000				ug/L
|>	Sc	45	280587.583	280587.583				ug/L
|	Ti	49	620.021	0.000				ug/L
|	Co	59	1053.395	0.004				ug/L
|	Ni	60	262.004	0.001				ug/L
|	Ni	62	92.000	0.000				ug/L
|	Cu	63	835.372	0.002				ug/L
|	Cu	65	466.679	0.001				ug/L
|	Zn	66	602.687	0.001				ug/L
|	Zn	67	2939.145	0.004				ug/L
|	Zn	68	516.015	0.001				ug/L
|	V	51	384.332	0.004				ug/L
|	Cr	52	5191.485	0.004				ug/L
|	Cr	53	36676.740	0.032				ug/L
|	Mn	55	1570.136	0.005				ug/L
|	Fe	54	11609.070	-0.001				ug/L
⌞	Fe	57	1288.758	0.000				ug/L
⌜	As	75	-128.161	0.000				ug/L
|	Se	77	3960.196	0.001				ug/L
|	Se	82	113.255	0.000				ug/L
|	Sr	86	322.691	0.000				ug/L
|	Sr	87	266.292	0.000				ug/L
|	Sr	88	3107.198	0.004				ug/L
|>	Y	89	751950.732	751950.732				ug/L
|	Mo	95	384.675	0.000				ug/L
|	Mo	97	258.004	0.000				ug/L
⌞	Mo	98	679.468	0.001				ug/L
⌜	Ag	107	1292.092	0.003				ug/L

	Ag	109	1164.741	0.003	ug/L
	Cd	111	283.171	0.001	ug/L
	Cd	114	679.904	0.002	ug/L
>	In	115	369187.782	369187.782	ug/L
	Sn	120	1488.534	0.002	ug/L
	Sb	121	2632.381	0.003	ug/L
	Sb	123	1925.020	0.002	ug/L
	Ba	135	234.003	0.000	ug/L
	Ba	137	452.011	0.001	ug/L
	Ce	140	9.333	-0.000	ug/L
	Tb	159	510473.111	-0.003	ug/L
>	Ho	165	538864.590	538864.590	ug/L
	Tl	203	911.379	0.002	ug/L
	Tl	205	2153.589	0.004	ug/L
	Pb	208	3036.201	0.005	ug/L
>	Bi	209	258151.924	258151.924	mg/L
	U	238	3716.093	0.014	ug/L
	Kr	83	44.267	1.000	ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45			
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89			
Mo	95			

Mo	97
Mo	98
Ag	107
Ag	109
Cd	111
Cd	114
In	115
Sn	120
Sb	121
Sb	123
Ba	135
Ba	137
Ce	140
Tb	159
Ho	165
Tl	203
Tl	205
Pb	208
Bi	209
U	238
Kr	83

Quantitative Analysis - Summary Report

Sample ID: Std 2
Sample Date/Time: Friday, January 04, 2013 14:51:47
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\Std 2.003
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17767.375	-0.000				ug/L
|	Li	7	1619.478	0.001	**1.000000**	0.23	23.0	ug/L
|	Be	9	98.001	0.000	**1.000000**	0.16	15.9	ug/L
|	B	11	302.672	0.000				ug/L
|	Na	23	11240.296	0.011				ug/L
|	Mg	24	3834.142	0.012				ug/L
|	Al	27	11647.467	0.041				ug/L
|	Si	28	72397.203	-0.086				ug/L
|	K	39	48529.429	0.023				ug/L
|	Ca	43	381.341	0.000				ug/L
|>	Sc	45	276777.836	276777.836				ug/L
|	Ti	49	706.027	0.001	**1.000000**	0.19	18.8	ug/L
|	Co	59	2288.288	0.008	**1.000000**	0.03	3.2	ug/L
|	Ni	60	574.685	0.002	**1.000000**	0.04	3.9	ug/L
|	Ni	62	109.334	0.000	**1.000000**	0.58	57.9	ug/L
|	Cu	63	1459.451	0.005	**1.000000**	0.03	3.4	ug/L
|	Cu	65	769.366	0.002	**1.000000**	0.05	5.1	ug/L
|	Zn	66	753.365	0.001				ug/L
|	Zn	67	3235.243	0.005				ug/L
|	Zn	68	573.351	0.001				ug/L
|	V	51	1299.559	0.007	**1.000000**	0.45	45.2	ug/L
|	Cr	52	6167.425	0.008	**1.000000**	0.02	2.1	ug/L
|	Cr	53	40398.319	0.048	**1.000000**	0.23	23.2	ug/L
|	Mn	55	3007.831	0.010	**1.000000**	0.03	2.8	ug/L
|	Fe	54	12894.640	0.005				ug/L
⌊	Fe	57	1809.514	0.002				ug/L
⌈	As	75	110.831	0.001	**1.000000**	0.29	29.0	ug/L
|	Se	77	4209.641	0.001	**5.000000**	0.44	8.8	ug/L
|	Se	82	250.051	0.000	**5.000000**	0.21	4.2	ug/L
|	Sr	86	725.979	0.001	**1.000000**	0.05	4.9	ug/L
|	Sr	87	550.440	0.001	**1.000000**	0.02	1.9	ug/L
|	Sr	88	6476.307	0.009	**1.000000**	0.01	1.1	ug/L
|>	Y	89	723880.023	723880.023				ug/L
|	Mo	95	865.375	0.001	**1.000000**	0.02	1.8	ug/L
|	Mo	97	548.017	0.001	**1.000000**	0.03	3.0	ug/L
⌊	Mo	98	1302.194	0.002	**1.000000**	0.03	3.5	ug/L
⌈	Ag	107	2527.018	0.007	**1.000000**	0.01	1.1	ug/L

|	Ag	109	2433.659	0.007	**1.000000**	0.01	1.0	ug/L
|	Cd	111	575.185	0.002	**1.000000**	0.01	1.3	ug/L
|	Cd	114	1363.512	0.004	**1.000000**	0.02	2.3	ug/L
|>	In	115	360802.235	360802.235				ug/L
|	Sn	120	2618.832	0.005	**1.000000**	0.03	3.2	ug/L
|	Sb	121	3669.407	0.006	**1.000000**	0.03	3.0	ug/L
_	Sb	123	2762.989	0.004	**1.000000**	0.06	6.0	ug/L
⌈	Ba	135	532.682	0.001	**1.000000**	0.04	4.1	ug/L
|	Ba	137	940.715	0.002	**1.000000**	0.02	2.3	ug/L
|	Ce	140	10.000	-0.000	**1.000000**	3.25	324.8	ug/L
|	Tb	159	506293.296	-0.005				ug/L
|>	Ho	165	535164.177	535164.177				ug/L
|	Tl	203	1978.882	0.004	**1.000000**	0.04	4.2	ug/L
|	Tl	205	4567.148	0.008	**1.000000**	0.03	2.8	ug/L
_	Pb	208	6236.840	0.011	**1.000000**	0.03	3.0	ug/L
⌈>	Bi	209	255093.642	255093.642				mg/L
_	U	238	7796.677	0.031	**1.000000**	0.01	1.2	ug/L
	Kr	83	45.200	1.933				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45			
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89			
Mo	95			

Mo	97
Mo	98
Ag	107
Ag	109
Cd	111
Cd	114
In	115
Sn	120
Sb	121
Sb	123
Ba	135
Ba	137
Ce	140
Tb	159
Ho	165
Tl	203
Tl	205
Pb	208
Bi	209
U	238
Kr	83

Quantitative Analysis - Summary Report

Sample ID: Std 3
Sample Date/Time: Friday, January 04, 2013 14:54:44
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\Std 3.004
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	17602.534	-0.003				ug/L
|	Li	7	3087.192	0.006	**4.995216**	0.45	9.0	ug/L
|	Be	9	448.678	0.002	**5.004890**	0.25	5.0	ug/L
|	B	11	768.033	0.002	**5.000000**	0.44	8.8	ug/L
|	Na	23	32993.100	0.087	**50.000000**	1.33	2.7	ug/L
|	Mg	24	16348.057	0.056	**50.000000**	2.48	5.0	ug/L
|	Al	27	52640.325	0.184	**55.000000**	0.14	0.3	ug/L
|	Si	28	67450.676	-0.110	**50.000000**	11.25	22.5	ug/L
|	K	39	73865.936	0.107	**50.000000**	5.92	11.8	ug/L
|	Ca	43	541.349	0.001	**50.000000**	6.34	12.7	ug/L
|	> Sc	45	283921.442	283921.442				ug/L
|	Ti	49	1204.747	0.003	**4.983899**	0.03	0.5	ug/L
|	Co	59	11166.860	0.039	**4.995651**	0.25	5.0	ug/L
|	Ni	60	2495.009	0.009	**4.990345**	0.28	5.5	ug/L
|	Ni	62	453.345	0.001	**5.016114**	0.51	10.1	ug/L
|	Cu	63	6715.813	0.023	**5.000049**	0.14	2.7	ug/L
|	Cu	65	3543.357	0.012	**5.002200**	0.02	0.3	ug/L
|	Zn	66	2525.684	0.007	**5.000000**	0.04	0.8	ug/L
|	Zn	67	3894.169	0.007	**5.000000**	0.97	19.4	ug/L
|	Zn	68	1710.828	0.005	**5.000000**	0.24	4.8	ug/L
|	V	51	7699.912	0.030	**4.994865**	0.11	2.2	ug/L
|	Cr	52	13829.183	0.034	**4.995990**	0.11	2.1	ug/L
|	Cr	53	44803.602	0.060	**4.842491**	0.91	18.8	ug/L
|	Mn	55	14102.932	0.049	**4.997662**	0.05	1.0	ug/L
|	Fe	54	18522.651	0.023	**50.000000**	5.55	11.1	ug/L
⌊	Fe	57	3954.193	0.010	**50.000000**	2.45	4.9	ug/L
⌜	As	75	2445.183	0.004	**5.004365**	0.62	12.5	ug/L
|	Se	77	5055.407	0.002	**24.606984**	6.47	26.3	ug/L
|	Se	82	1199.071	0.002	**24.967911**	0.82	3.3	ug/L
|	Sr	86	3653.243	0.005	**4.995085**	0.12	2.4	ug/L
|	Sr	87	2675.544	0.004	**4.995958**	0.16	3.2	ug/L
|	Sr	88	31207.474	0.041	**4.995369**	0.12	2.4	ug/L
|	> Y	89	746164.905	746164.905				ug/L
|	Mo	95	4136.941	0.006	**4.993008**	0.11	2.2	ug/L
|	Mo	97	2554.359	0.003	**4.993516**	0.13	2.6	ug/L
⌊	Mo	98	6353.353	0.008	**4.998174**	0.10	1.9	ug/L
⌜	Ag	107	12098.718	0.033	**4.998177**	0.18	3.7	ug/L

|	Ag	109	11822.354	0.032	**4.996831**	0.18	3.6	ug/L
|	Cd	111	2781.592	0.008	**4.997438**	0.07	1.3	ug/L
|	Cd	114	6433.930	0.018	**4.996863**	0.08	1.5	ug/L
|>	In	115	364030.899	364030.899				ug/L
|	Sn	120	12324.206	0.032	**5.000827**	0.16	3.1	ug/L
|	Sb	121	11589.383	0.028	**4.996703**	0.10	1.9	ug/L
_	Sb	123	8967.662	0.021	**4.995903**	0.08	1.6	ug/L
⌈	Ba	135	2567.030	0.005	**4.995411**	0.40	7.9	ug/L
|	Ba	137	4557.809	0.008	**4.997821**	0.15	3.0	ug/L
|	Ce	140	16.667	0.000	**5.000668**	4.08	81.7	ug/L
|	Tb	159	507836.607	0.003				ug/L
|>	Ho	165	532392.915	532392.915				ug/L
|	Tl	203	9338.795	0.017	**4.995700**	0.08	1.7	ug/L
|	Tl	205	21897.012	0.041	**4.996913**	0.05	1.0	ug/L
_	Pb	208	30309.984	0.057	**4.998278**	0.09	1.8	ug/L
⌈>	Bi	209	256341.269	256341.269				mg/L
_	U	238	37825.197	0.148	**4.997165**	0.06	1.1	ug/L
	Kr	83	44.400	1.133				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45			
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89			
Mo	95			

Mo	97
Mo	98
Ag	107
Ag	109
Cd	111
Cd	114
In	115
Sn	120
Sb	121
Sb	123
Ba	135
Ba	137
Ce	140
Tb	159
Ho	165
Tl	203
Tl	205
Pb	208
Bi	209
U	238
Kr	83

Quantitative Analysis - Summary Report

Sample ID: Std 4
Sample Date/Time: Friday, January 04, 2013 14:57:42
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\Std 4.005
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17381.047	-0.002				ug/L
|	Li	7	19015.883	0.064	**50.000073**	1.59	3.2	ug/L
|	Be	9	3883.496	0.014	**49.974818**	0.89	1.8	ug/L
|	B	11	5829.202	0.020	**50.000239**	0.26	0.5	ug/L
|	Na	23	57615.755	0.177	**99.680649**	7.42	7.4	ug/L
|	Mg	24	32457.910	0.114	**100.459939**	4.51	4.5	ug/L
|	Al	27	149697.955	0.534	**150.730661**	2.92	1.9	ug/L
|	Si	28	65583.733	-0.113	**87.722957**	9.84	11.2	ug/L
|	K	39	108375.593	0.235	**101.190141**	3.10	3.1	ug/L
|	Ca	43	816.037	0.002	**102.681735**	21.31	20.8	ug/L
|								ug/L
| >	Sc	45	279424.823	279424.823				ug/L
|	Ti	49	6492.318	0.021	**49.989193**	1.13	2.3	ug/L
|	Co	59	107806.707	0.386	**49.995098**	1.51	3.0	ug/L
|	Ni	60	24063.825	0.086	**49.999683**	1.29	2.6	ug/L
|	Ni	62	3834.142	0.014	**49.982722**	0.88	1.8	ug/L
|	Cu	63	64212.018	0.229	**49.999205**	0.61	1.2	ug/L
|	Cu	65	33172.446	0.118	**49.994838**	1.09	2.2	ug/L
|	Zn	66	19733.397	0.069	**49.979824**	0.98	2.0	ug/L
|	Zn	67	6765.186	0.017	**49.821623**	3.63	7.3	ug/L
|	Zn	68	15435.763	0.054	**50.015594**	0.77	1.5	ug/L
|	V	51	99732.008	0.359	**50.054162**	1.55	3.1	ug/L
|	Cr	52	93385.889	0.320	**49.987797**	0.82	1.6	ug/L
|	Cr	53	55169.613	0.099	**49.160500**	2.32	4.7	ug/L
|	Mn	55	135403.328	0.484	**49.997709**	1.62	3.2	ug/L
|	Fe	54	25341.746	0.049	**100.558633**	3.33	3.3	ug/L
⌊	Fe	57	6831.901	0.020	**100.837534**	2.84	2.8	ug/L
⌈	As	75	27722.835	0.039	**50.001522**	0.83	1.7	ug/L
|	Se	77	13230.292	0.014	**249.796301**	2.68	1.1	ug/L
|	Se	82	11689.877	0.016	**250.009449**	6.60	2.6	ug/L
|	Sr	86	34492.529	0.048	**49.991094**	0.74	1.5	ug/L
|	Sr	87	25176.108	0.035	**49.992863**	0.63	1.3	ug/L
|	Sr	88	293492.239	0.405	**49.992924**	0.91	1.8	ug/L
|								ug/L
| >	Y	89	724153.232	724153.232				ug/L
|	Mo	95	38961.987	0.054	**49.992481**	0.74	1.5	ug/L
|	Mo	97	24257.661	0.033	**49.996798**	0.36	0.7	ug/L
⌊	Mo	98	62461.308	0.086	**50.005698**	1.01	2.0	ug/L
⌈	Ag	107	116342.461	0.329	**49.999070**	1.11	2.2	ug/L

|	Ag	109	114022.786	0.322	**49.998082**	0.58	1.2	ug/L
|	Cd	111	26612.065	0.075	**49.996668**	1.10	2.2	ug/L
|	Cd	114	61409.554	0.173	**49.997243**	0.77	1.5	ug/L
|>	In	115	354134.972	354134.972				ug/L
|	Sn	120	113583.242	0.319	**49.990221**	0.62	1.2	ug/L
|	Sb	121	97116.069	0.270	**49.996646**	0.55	1.1	ug/L
_	Sb	123	74016.095	0.206	**49.988986**	0.95	1.9	ug/L
⌈	Ba	135	24924.123	0.048	**49.995851**	0.43	0.9	ug/L
|	Ba	137	42635.782	0.081	**49.986974**	0.42	0.8	ug/L
|	Ce	140	16.000	0.000	**46.111508**	50.73	110.0	ug/L
|	Tb	159	501093.833	0.007				ug/L
|>	Ho	165	522962.432	522962.432				ug/L
|	Tl	203	89987.923	0.172	**49.995483**	0.14	0.3	ug/L
|	Tl	205	210174.456	0.402	**49.994199**	0.53	1.1	ug/L
_	Pb	208	289424.491	0.553	**49.992758**	0.26	0.5	ug/L
⌈>	Bi	209	256467.863	256467.863				mg/L
_	U	238	370633.249	1.445	**49.994832**	0.53	1.1	ug/L
	Kr	83	47.200	3.933				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45			
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89			
Mo	95			

Mo	97
Mo	98
Ag	107
Ag	109
Cd	111
Cd	114
In	115
Sn	120
Sb	121
Sb	123
Ba	135
Ba	137
Ce	140
Tb	159
Ho	165
Tl	203
Tl	205
Pb	208
Bi	209
U	238
Kr	83

Quantitative Analysis - Summary Report

Sample ID: Std 5
Sample Date/Time: Friday, January 04, 2013 15:00:40
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\Std 5.006
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	17211.982	-0.004				ug/L
|	Li	7	37489.161	0.128	**100.065159**	2.49	2.5	ug/L
|	Be	9	8123.630	0.029	**100.589070**	3.30	3.3	ug/L
|	B	11	11666.823	0.040	**100.018903**	3.14	3.1	ug/L
|	Na	23	519027.189	1.798	**999.915262**	51.42	5.1	ug/L
|	Mg	24	341150.507	1.200	**1000.230802**	27.87	2.8	ug/L
|	Al	27	1154344.285	4.064	**1100.350902**	20.43	1.9	ug/L
|	Si	28	62262.523	-0.129	**960.644467**	108.69	11.3	ug/L
|	K	39	718554.871	2.378	**1000.024673**	32.17	3.2	ug/L
|	Ca	43	3879.495	0.013	**998.262320**	11.04	1.1	ug/L
|								ug/L
| >	Sc	45	284006.368	284006.368				ug/L
|	Ti	49	12687.518	0.043	**100.121652**	2.41	2.4	ug/L
|	Co	59	216205.844	0.761	**99.772571**	6.29	6.3	ug/L
|	Ni	60	47552.145	0.167	**99.507925**	3.70	3.7	ug/L
|	Ni	62	7676.573	0.027	**99.844271**	2.34	2.3	ug/L
|	Cu	63	129362.122	0.455	**99.869358**	2.62	2.6	ug/L
|	Cu	65	65476.374	0.230	**99.499188**	1.13	1.1	ug/L
|	Zn	66	41215.936	0.144	**100.666810**	4.33	4.3	ug/L
|	Zn	67	10263.124	0.029	**99.705550**	2.89	2.9	ug/L
|	Zn	68	29918.517	0.104	**99.290431**	2.27	2.3	ug/L
|	V	51	202962.172	0.717	**99.931250**	2.81	2.8	ug/L
|	Cr	52	185393.751	0.638	**100.002268**	2.56	2.6	ug/L
|	Cr	53	66106.184	0.135	**95.727046**	3.61	3.8	ug/L
|	Mn	55	272208.415	0.958	**99.817846**	3.99	4.0	ug/L
|	Fe	54	146318.199	0.473	**999.838604**	20.92	2.1	ug/L
|	Fe	57	57097.479	0.197	**999.937751**	35.43	3.5	ug/L
⌞	As	75	54524.638	0.075	**99.229323**	2.51	2.5	ug/L
⌜	Se	77	22339.414	0.026	**496.884314**	7.94	1.6	ug/L
|	Se	82	23899.528	0.032	**500.420912**	17.06	3.4	ug/L
|	Sr	86	70146.295	0.095	**99.982527**	0.81	0.8	ug/L
|	Sr	87	52006.582	0.071	**100.271421**	2.01	2.0	ug/L
|	Sr	88	602538.453	0.817	**100.160259**	0.88	0.9	ug/L
|								ug/L
| >	Y	89	737214.829	737214.829				ug/L
|	Mo	95	78876.720	0.107	**99.906796**	1.70	1.7	ug/L
|	Mo	97	49361.023	0.067	**100.002105**	1.56	1.6	ug/L
⌞	Mo	98	125531.566	0.170	**99.761247**	1.25	1.3	ug/L
⌜	Ag	107	235525.602	0.646	**99.703921**	1.89	1.9	ug/L

|	Ag	109	229294.349	0.629	**99.578569**	1.05	1.1	ug/L
|	Cd	111	53705.044	0.147	**99.646225**	1.25	1.3	ug/L
|	Cd	114	126405.873	0.347	**100.017619**	1.69	1.7	ug/L
|>	In	115	364390.997	364390.997				ug/L
|	Sn	120	233028.791	0.638	**99.977849**	1.44	1.4	ug/L
|	Sb	121	196572.314	0.535	**99.854756**	2.73	2.7	ug/L
|	Sb	123	152520.937	0.415	**100.175877**	2.61	2.6	ug/L
⌈	Ba	135	50306.146	0.094	**99.813721**	0.80	0.8	ug/L
|	Ba	137	87030.606	0.163	**100.035935**	0.71	0.7	ug/L
|	Ce	140	48.000	0.000	**114.044200**	9.26	8.1	ug/L
|	Tb	159	508069.324	0.001				ug/L
|>	Ho	165	533218.448	533218.448				ug/L
|	Tl	203	184259.411	0.345	**100.082026**	0.62	0.6	ug/L
|	Tl	205	433536.340	0.813	**100.217285**	1.57	1.6	ug/L
⌊	Pb	208	593752.233	1.113	**100.119591**	1.68	1.7	ug/L
⌈>	Bi	209	255957.264	255957.264				mg/L
⌊	U	238	748724.357	2.925	**100.223668**	0.28	0.3	ug/L
	Kr	83	49.067	5.800				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45			
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89			
Mo	95			

Mo	97
Mo	98
Ag	107
Ag	109
Cd	111
Cd	114
In	115
Sn	120
Sb	121
Sb	123
Ba	135
Ba	137
Ce	140
Tb	159
Ho	165
Tl	203
Tl	205
Pb	208
Bi	209
U	238
Kr	83

Quantitative Analysis - Summary Report

Sample ID: Std 6
Sample Date/Time: Friday, January 04, 2013 15:03:36
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\Std 6.007
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	16139.327	-0.007				ug/L
|	Li	7	72764.717	0.254	**199.911507**	4.89	2.4	ug/L
|	Be	9	16116.942	0.057	**200.347573**	5.20	2.6	ug/L
|	B	11	23540.441	0.083	**201.047966**	5.76	2.9	ug/L
|	Na	23	5205657.078	18.486	**10001.760824**	223.23	2.2	ug/L
|	Mg	24	3357771.529	11.940	**9999.491500**	522.53	5.2	ug/L
|	Al	27	10474629.638	37.251	**10198.811444**	322.82	3.2	ug/L
|	Si	28	60486.580	-0.133	**9312.587514**	2524.14	27.1	ug/L
|	K	39	6589082.089	23.287	**9998.336944**	294.84	2.9	ug/L
|	Ca	43	31933.325	0.113	**9993.302415**	196.06	2.0	ug/L
|								ug/L
| >	Sc	45	281206.297	281206.297				ug/L
|	Ti	49	24494.959	0.085	**199.964519**	2.46	1.2	ug/L
|	Co	59	438680.932	1.561	**200.924354**	8.86	4.4	ug/L
|	Ni	60	94198.919	0.335	**199.883217**	2.86	1.4	ug/L
|	Ni	62	15051.118	0.053	**199.674171**	1.25	0.6	ug/L
|	Cu	63	250776.049	0.891	**199.108833**	0.96	0.5	ug/L
|	Cu	65	127974.567	0.455	**199.371401**	6.80	3.4	ug/L
|	Zn	66	76928.166	0.272	**198.072047**	1.90	1.0	ug/L
|	Zn	67	16681.961	0.052	**199.111223**	2.47	1.2	ug/L
|	Zn	68	58267.482	0.206	**199.340651**	5.53	2.8	ug/L
|	V	51	399294.408	1.423	**199.584615**	1.57	0.8	ug/L
|	Cr	52	358790.816	1.262	**199.575466**	2.98	1.5	ug/L
|	Cr	53	85375.722	0.206	**193.518138**	10.81	5.6	ug/L
|	Mn	55	545604.643	1.940	**200.454455**	3.36	1.7	ug/L
|	Fe	54	1327838.734	4.681	**9999.242043**	189.02	1.9	ug/L
⌊	Fe	57	549065.290	1.949	**9999.352511**	302.83	3.0	ug/L
⌜	As	75	110137.935	0.154	**201.131653**	1.92	1.0	ug/L
|	Se	77	40945.344	0.053	**1006.685507**	10.88	1.1	ug/L
|	Se	82	47406.854	0.066	**1004.165159**	0.33	0.0	ug/L
|	Sr	86	141876.101	0.198	**201.589693**	1.91	0.9	ug/L
|	Sr	87	102368.148	0.143	**200.605000**	4.26	2.1	ug/L
|	Sr	88	1214283.521	1.694	**201.511845**	1.89	0.9	ug/L
|								ug/L
| >	Y	89	716430.129	716430.129				ug/L
|	Mo	95	159797.180	0.223	**201.644149**	4.15	2.1	ug/L
|	Mo	97	97377.756	0.136	**200.617723**	4.08	2.0	ug/L
⌊	Mo	98	250968.589	0.350	**201.063169**	2.38	1.2	ug/L
⌜	Ag	107	461101.282	1.331	**201.104626**	2.15	1.1	ug/L

|	Ag	109	451220.134	1.303	**201.269956**	2.63	1.3	ug/L
|	Cd	111	104963.852	0.303	**201.009111**	0.60	0.3	ug/L
|	Cd	114	243981.453	0.704	**200.615088**	4.53	2.3	ug/L
|>	In	115	346397.274	346397.274				ug/L
|	Sn	120	456780.751	1.317	**201.253027**	1.10	0.5	ug/L
|	Sb	121	383572.693	1.103	**201.176708**	2.51	1.2	ug/L
L	Sb	123	295371.562	0.849	**200.967545**	1.37	0.7	ug/L
⌈	Ba	135	98706.738	0.187	**199.658383**	3.43	1.7	ug/L
|	Ba	137	172686.513	0.328	**200.208861**	1.72	0.9	ug/L
|	Ce	140	313.339	0.001	**234.409759**	19.17	8.2	ug/L
|	Tb	159	494125.069	-0.013				ug/L
|>	Ho	165	526706.536	526706.536				ug/L
|	Tl	203	358110.877	0.680	**199.373955**	1.90	1.0	ug/L
|	Tl	205	845243.913	1.605	**199.536486**	2.29	1.1	ug/L
L	Pb	208	1160453.393	2.203	**199.616120**	2.92	1.5	ug/L
⌈>	Bi	209	247515.291	247515.291				mg/L
L	U	238	1474997.692	5.960	**200.827735**	3.58	1.8	ug/L
	Kr	83	52.333	9.067				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45			
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89			
Mo	95			

Mo	97
Mo	98
Ag	107
Ag	109
Cd	111
Cd	114
In	115
Sn	120
Sb	121
Sb	123
Ba	135
Ba	137
Ce	140
Tb	159
Ho	165
Tl	203
Tl	205
Pb	208
Bi	209
U	238
Kr	83

File Name: 01-04.1.cal
File Path: C:\Elandata\System\01-04.1.cal
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Simple Linear	0.000000000	0.000000000	0.000000
Li	7.016	Simple Linear	0.001272092	0.000127723	0.999999
Be	9.012	Simple Linear	0.000286178	-0.000080281	0.999959
B	11.009	Simple Linear	0.000414712	-0.000558398	0.999893
Na	22.990	Simple Linear	0.001850009	-0.017418426	0.999997
Mg	23.985	Simple Linear	0.001194179	-0.001091638	1.000000
Al	26.982	Simple Linear	0.003652131	0.003123790	0.999999
Si	27.977	Simple Linear	-0.000002611	-0.108437874	-0.621246
K	38.964	Simple Linear	0.002328064	0.009748979	0.999997
Ca	42.959	Simple Linear	0.000011196	0.000753147	0.999952
Sc	44.956	Simple Linear	0.000000000	0.000000000	0.000000
Ti	48.948	Simple Linear	0.000425345	0.000332187	0.999998
Co	58.933	Simple Linear	0.007780705	-0.002494945	0.999928
Ni	59.933	Simple Linear	0.001672751	0.000542922	0.999977
Ni	61.928	Simple Linear	0.000266836	0.000068462	0.999988
Cu	62.930	Simple Linear	0.004464282	0.002278597	0.999936
Cu	64.928	Simple Linear	0.002275013	0.001445970	0.999946
Zn	65.926	Simple Linear	0.001366628	0.001464100	0.999585
Zn	66.927	Simple Linear	0.000236980	0.005298679	0.999738
Zn	67.925	Simple Linear	0.001030819	0.000948378	0.999901
V	50.944	Simple Linear	0.007128675	-0.000222894	0.999977
Cr	51.941	Simple Linear	0.006307621	0.003059412	0.999985
Cr	52.941	Simple Linear	0.000812853	0.048215625	0.988647
Mn	54.938	Simple Linear	0.009682510	-0.001086617	0.999981
Fe	53.940	Simple Linear	0.000467991	0.001579402	0.999999
Fe	56.935	Simple Linear	0.000194839	0.000599575	1.000000
As	74.922	Simple Linear	0.000768072	-0.000124349	0.999850
Se	76.920	Simple Linear	0.000051521	0.000731994	0.999803
Se	81.917	Simple Linear	0.000066042	-0.000144359	0.999945
Sr	85.909	Simple Linear	0.000985879	-0.000713219	0.999801
Sr	86.909	Simple Linear	0.000713297	-0.000266048	0.999965
Sr	87.906	Simple Linear	0.008440220	-0.006507833	0.999818
Y	88.905	Simple Linear	0.000000000	0.000000000	0.000000
Mo	94.906	Simple Linear	0.001110143	-0.000799608	0.999786
Mo	96.906	Simple Linear	0.000678235	-0.000183198	0.999970
Mo	97.906	Simple Linear	0.001746068	-0.000752850	0.999906
Ag	106.905	Simple Linear	0.006632049	-0.002471105	0.999897
Ag	108.905	Simple Linear	0.006486821	-0.002776269	0.999858
Cd	110.904	Simple Linear	0.001509599	-0.000479734	0.999909
Cd	113.904	Simple Linear	0.003514525	-0.000966648	0.999970
In	114.904	Simple Linear	0.000000000	0.000000000	0.000000
Sn	119.902	Simple Linear	0.006566887	-0.004677675	0.999876
Sb	120.904	Simple Linear	0.005496131	-0.002437482	0.999889
Sb	122.904	Simple Linear	0.004237329	-0.002321737	0.999923
Ba	134.906	Simple Linear	0.000937163	0.000213707	0.999988
Ba	136.905	Simple Linear	0.001637626	-0.000092375	0.999996
Ce	139.905	Simple Linear	0.000002654	-0.000051636	0.917188
Tb	158.925	Simple Linear	0.000000000	0.000000000	0.000000

Ho	164.930	Simple Linear	0.000000000	0.000000000	0.000000
Tl	202.972	Simple Linear	0.003405041	0.001036130	0.999968
Tl	204.975	Simple Linear	0.008034600	0.001369805	0.999979
Pb	207.977	Simple Linear	0.011027919	0.001922527	0.999987
Bi	208.980	Simple Linear	0.000000000	0.000000000	0.000000
U	238.050	Simple Linear	0.029745012	-0.013530659	0.999942
Kr	82.914	Simple Linear	0.000000000	0.000000000	0.000000

Quantitative Analysis - Summary Report

Sample ID: QC Std 1
Sample Date/Time: Friday, January 04, 2013 15:06:34
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\QC Std 1.008
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌈	Li	6	17452.067	-0.003				ug/L
|	Li	7	38313.248	0.131	**103.123037**	3.48	3.4	ug/L
|	Be	9	8453.263	0.030	**104.638347**	3.00	2.9	ug/L
|	B	11	11699.524	0.041	**99.027233**	1.27	1.3	ug/L
|	Na	23	2688225.166	9.489	**5138.510364**	65.43	1.3	ug/L
|	Mg	24	1713381.629	6.067	**5081.559748**	178.05	3.5	ug/L
|	Al	27	5472160.939	19.382	**5306.112208**	194.88	3.7	ug/L
|	Si	28	60289.256	-0.134	**9940.641751**	1633.06	16.4	ug/L
|	K	39	3506236.975	12.264	**5263.654471**	76.50	1.5	ug/L
|	Ca	43	17086.718	0.060	**5252.032375**	82.59	1.6	ug/L
|								ug/L
| >	Sc	45	282386.217	282386.217				ug/L
|	Ti	49	12857.759	0.044	**102.173971**	1.44	1.4	ug/L
|	Co	59	218163.192	0.772	**99.541571**	4.86	4.9	ug/L
|	Ni	60	48681.439	0.172	**102.637061**	2.40	2.3	ug/L
|	Ni	62	7963.490	0.028	**104.732067**	2.47	2.4	ug/L
|	Cu	63	127966.771	0.452	**100.840477**	1.05	1.0	ug/L
|	Cu	65	66173.475	0.234	**102.221100**	1.68	1.6	ug/L
|	Zn	66	41329.747	0.145	**104.983463**	1.77	1.7	ug/L
|	Zn	67	10805.088	0.031	**110.207304**	3.21	2.9	ug/L
|	Zn	68	31507.847	0.111	**106.500002**	0.40	0.4	ug/L
|	V	51	203051.704	0.722	**101.252186**	1.90	1.9	ug/L
|	Cr	52	184191.541	0.638	**100.668656**	0.96	1.0	ug/L
|	Cr	53	67311.678	0.140	**113.163736**	7.48	6.6	ug/L
|	Mn	55	274655.411	0.972	**100.481953**	2.34	2.3	ug/L
|	Fe	54	703720.231	2.450	**5232.419175**	86.34	1.7	ug/L
⌊	Fe	57	283813.818	1.001	**5132.972840**	55.98	1.1	ug/L
⌈	As	75	54225.954	0.074	**96.846462**	2.94	3.0	ug/L
|	Se	77	22443.015	0.026	**488.647245**	8.02	1.6	ug/L
|	Se	82	23516.533	0.032	**485.664269**	7.73	1.6	ug/L
|	Sr	86	70359.249	0.096	**97.625100**	2.63	2.7	ug/L
|	Sr	87	52190.879	0.071	**99.694431**	2.51	2.5	ug/L
|	Sr	88	608037.012	0.825	**98.541907**	0.14	0.1	ug/L
|								ug/L
| >	Y	89	736491.360	736491.360				ug/L
|	Mo	95	80388.100	0.109	**99.004997**	2.49	2.5	ug/L
|	Mo	97	49069.414	0.067	**98.459592**	0.85	0.9	ug/L
⌊	Mo	98	127168.600	0.173	**99.319400**	1.69	1.7	ug/L
⌈	Ag	107	236951.871	0.670	**101.388082**	2.22	2.2	ug/L

|	Ag	109	230558.983	0.652	**100.916158**	1.85	1.8	ug/L
|	Cd	111	53979.320	0.153	**101.401148**	2.13	2.1	ug/L
|	Cd	114	126648.149	0.358	**102.140130**	3.57	3.5	ug/L
|>	In	115	353651.925	353651.925				ug/L
|	Sn	120	233449.517	0.658	**100.946233**	3.40	3.4	ug/L
|	Sb	121	197923.422	0.555	**101.488144**	0.26	0.3	ug/L
L	Sb	123	151349.778	0.424	**100.703269**	1.81	1.8	ug/L
⌈	Ba	135	50086.935	0.095	**101.637838**	2.54	2.5	ug/L
|	Ba	137	87836.366	0.167	**102.261394**	1.72	1.7	ug/L
|	Ce	140	160.668	0.000	**125.858912**	10.79	8.6	ug/L
|	Tb	159	497474.734	-0.003				ug/L
|>	Ho	165	524677.629	524677.629				ug/L
|	Tl	203	182620.782	0.348	**101.975709**	4.81	4.7	ug/L
|	Tl	205	430382.830	0.821	**101.953584**	2.53	2.5	ug/L
L	Pb	208	589243.746	1.123	**101.685154**	2.69	2.6	ug/L
⌈>	Bi	209	247060.145	247060.145				mg/L
L	U	238	745938.723	3.021	**102.009367**	2.49	2.4	ug/L
	Kr	83	49.200	5.933				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7	103.123		
Be	9	104.638		
B	11	99.027		
Na	23	102.770		
Mg	24	101.631		
Al	27	104.041		
Si	28	198.813		
K	39	105.273		
Ca	43	105.041		
Sc	45		102.304	
Ti	49	102.174		
Co	59	99.542		
Ni	60	102.637		
Ni	62	104.732		
Cu	63	100.840		
Cu	65	102.221		
Zn	66	104.983		
Zn	67	110.207		
Zn	68	106.500		
V	51	101.252		
Cr	52	100.669		
Cr	53	113.164		
Mn	55	100.482		
Fe	54	104.648		
Fe	57	102.659		
As	75	96.846		
Se	77	97.729		
Se	82	97.133		
Sr	86	97.625		
Sr	87	99.694		
Sr	88	98.542		
Y	89		101.420	
Mo	95	99.005		

Mo	97	98.460	
Mo	98	99.319	
Ag	107	101.388	
Ag	109	100.916	
Cd	111	101.401	
Cd	114	102.140	
In	115		98.221
Sn	120	100.946	
Sb	121	101.488	
Sb	123	100.703	
Ba	135	101.638	
Ba	137	102.261	
Ce	140	125.859	
Tb	159		
Ho	165		100.784
Tl	203	101.976	
Tl	205	101.954	
Pb	208	101.685	
Bi	209		98.194
U	238	102.009	
Kr	83		

Quantitative Analysis - Summary Report

Sample ID: QC Std 3
Sample Date/Time: Friday, January 04, 2013 15:09:30
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\QC Std 3.009
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	17829.923	-0.001				
|	Li	7	1255.420	0.000	**-0.031814**	0.20	636.6	ug/L
|	Be	9	14.000	-0.000	**0.185947**	0.04	23.8	ug/L
|	B	11	398.676	0.000	**2.550959**	0.38	15.1	ug/L
|	Na	23	8303.820	0.000	**9.582911**	1.93	20.1	ug/L
|	Mg	24	1133.415	0.002	**2.682049**	1.62	60.5	ug/L
|	Al	27	2380.313	0.007	**1.099777**	0.10	9.4	ug/L
|	Si	28	58542.575	-0.138	**11355.542223**	1817.40	16.0	ug/L
|	K	39	41929.819	-0.002	**-5.237005**	1.79	34.2	ug/L
|	Ca	43	634.689	0.001	**51.344871**	15.76	30.7	ug/L
|								ug/L
| >	Sc	45	279068.463	279068.463				
|	Ti	49	635.356	0.001	**0.494385**	0.13	27.0	ug/L
|	Co	59	98.667	0.000	**0.346685**	0.01	2.9	ug/L
|	Ni	60	74.667	0.000	**-0.246859**	0.02	8.6	ug/L
|	Ni	62	41.333	-0.000	**-0.370899**	0.07	17.7	ug/L
|	Cu	63	254.670	0.000	**-0.453070**	0.01	1.4	ug/L
|	Cu	65	117.334	0.000	**-0.579854**	0.04	7.1	ug/L
|	Zn	66	1112.068	0.003	**0.794874**	0.24	30.0	ug/L
|	Zn	67	4167.622	0.008	**11.777697**	0.40	3.4	ug/L
|	Zn	68	906.712	0.002	**1.409261**	0.21	15.1	ug/L
|	V	51	-1959.990	-0.004	**-0.590960**	0.22	37.2	ug/L
|	Cr	52	5064.079	0.004	**0.130941**	0.11	84.4	ug/L
|	Cr	53	48511.771	0.076	**33.843528**	7.29	21.6	ug/L
|	Mn	55	436.677	0.001	**0.192100**	0.01	3.9	ug/L
|	Fe	54	12092.628	0.001	**-0.674645**	1.81	268.6	ug/L
⌊	Fe	57	1364.769	0.001	**-0.417042**	0.70	167.9	ug/L
⌜	As	75	-596.685	-0.000	**-0.066358**	0.46	699.0	ug/L
|	Se	77	4192.967	0.001	**9.149285**	2.64	28.9	ug/L
|	Se	82	-0.977	0.000	**2.186377**	0.11	4.9	ug/L
|	Sr	86	34.962	0.000	**0.779286**	0.02	2.8	ug/L
|	Sr	87	47.234	0.000	**0.423762**	0.04	9.6	ug/L
|	Sr	88	572.018	0.000	**0.818187**	0.00	0.4	ug/L
|								ug/L
| >	Y	89	727487.283	727487.283				
|	Mo	95	58.000	0.000	**0.762902**	0.02	2.3	ug/L
|	Mo	97	48.000	0.000	**0.317210**	0.01	4.2	ug/L
⌊	Mo	98	75.361	0.000	**0.474310**	0.01	2.0	ug/L
⌜	Ag	107	80.000	0.000	**0.392828**	0.00	0.4	ug/L

|	Ag	109	67.334	0.000	**0.441493**	0.00	0.9	ug/L
|	Cd	111	23.000	0.000	**0.330546**	0.00	1.3	ug/L
|	Cd	114	59.103	0.000	**0.284141**	0.00	1.7	ug/L
|>	In	115	361510.410	361510.410				ug/L
|	Sn	120	839.101	0.000	**0.780747**	0.01	1.5	ug/L
|	Sb	121	1798.845	0.001	**0.567914**	0.05	9.4	ug/L
L	Sb	123	1379.420	0.000	**0.608459**	0.04	7.2	ug/L
⌈	Ba	135	40.667	0.000	**-0.191123**	0.03	13.2	ug/L
|	Ba	137	76.000	0.000	**0.092775**	0.00	4.5	ug/L
|	Ce	140	11.333	-0.000	**18.282500**	3.71	20.3	ug/L
|	Tb	159	511768.995	0.019				ug/L
|>	Ho	165	527408.596	527408.596				ug/L
|	Tl	203	126.668	0.000	**-0.255801**	0.01	2.8	ug/L
|	Tl	205	259.337	0.000	**-0.126725**	0.00	2.9	ug/L
L	Pb	208	263.335	0.000	**-0.158405**	0.00	2.5	ug/L
⌈>	Bi	209	256664.790	256664.790				mg/L
L	U	238	160.001	0.001	**0.474838**	0.00	0.3	ug/L
	Kr	83	48.067	4.800				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		101.102	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		100.180	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	100.403
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	101.308
Tl	203	
Tl	205	
Pb	208	
Bi	209	102.012
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: ICSA
Sample Date/Time: Friday, January 04, 2013 15:12:28
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\ICSA.010
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	16297.244	-0.007				
|	Li	7	1177.410	-0.000	**-0.275171**	0.03	9.7	ug/L
|	Be	9	24.000	0.000	**0.311196**	0.10	31.4	ug/L
|	B	11	456.678	0.001	**3.038504**	0.33	10.9	ug/L
|	Na	23	49802908.333	177.227	**95807.216376**	1713.53	1.8	ug/L
|	Mg	24	31947983.631	113.817	**95310.857356**	2356.40	2.5	ug/L
|	Al	27	103247081.921	367.875	**100728.126921**	2973.73	3.0	ug/L
|	Si	28	67760.299	-0.107	**-721.149467**	1795.59	249.0	ug/L
|	K	39	64404880.665	229.265	**98474.569953**	3042.09	3.1	ug/L
|	Ca	43	325497.019	1.158	**103345.406021**	1048.83	1.0	ug/L
|								ug/L
|>	Sc	45	280848.268	280848.268				
|	Ti	49	218942.618	0.778	**1827.680540**	51.21	2.8	ug/L
|	Co	59	3998.213	0.014	**2.131758**	0.03	1.5	ug/L
|	Ni	60	1573.470	0.005	**2.942020**	0.12	4.1	ug/L
|	Ni	62	764.032	0.003	**9.269766**	0.38	4.1	ug/L
|	Cu	63	2926.472	0.010	**1.677340**	0.13	7.5	ug/L
|	Cu	65	1401.442	0.005	**1.425669**	0.15	10.6	ug/L
|	Zn	66	1857.524	0.005	**2.709468**	0.29	10.7	ug/L
|	Zn	67	4387.727	0.009	**14.685526**	1.99	13.5	ug/L
|	Zn	68	809.370	0.002	**1.050958**	0.21	20.3	ug/L
|	V	51	-5250.988	-0.016	**-2.223617**	0.41	18.2	ug/L
|	Cr	52	9615.085	0.020	**2.682789**	0.02	0.9	ug/L
|	Cr	53	46723.146	0.068	**24.623077**	5.79	23.5	ug/L
|	Mn	55	40444.441	0.143	**14.912271**	0.39	2.6	ug/L
|	Fe	54	14359515.199	51.090	**109165.680150**	1540.50	1.4	ug/L
⌊	Fe	57	5971622.034	21.256	**109092.862464**	1260.85	1.2	ug/L
⌜	As	75	-415.488	0.000	**0.277751**	0.46	166.0	ug/L
|	Se	77	5228.173	0.002	**30.666482**	5.38	17.6	ug/L
|	Se	82	-18.679	-0.000	**1.837532**	0.10	5.6	ug/L
|	Sr	86	880.979	0.001	**1.905595**	0.04	2.1	ug/L
|	Sr	87	900.375	0.001	**1.993952**	0.08	4.1	ug/L
|	Sr	88	8433.914	0.011	**2.039303**	0.03	1.4	ug/L
|								ug/L
|>	Y	89	760179.293	760179.293				
|	Mo	95	1722268.727	2.265	**2041.420246**	7.10	0.3	ug/L
|	Mo	97	1071932.305	1.410	**2079.309603**	16.07	0.8	ug/L
⌊	Mo	98	2964656.080	3.899	**2233.637636**	28.64	1.3	ug/L
⌜	Ag	107	216.669	0.001	**0.452610**	0.00	0.5	ug/L

|	Ag	109	147.335	0.000	**0.477731**	0.01	1.2	ug/L
|	Cd	111	1662.485	0.005	**3.428076**	0.01	0.4	ug/L
|	Cd	114	2967.920	0.008	**2.645617**	0.02	0.8	ug/L
|>	In	115	350728.323	350728.323				ug/L
|	Sn	120	480.527	-0.001	**0.635356**	0.02	2.6	ug/L
|	Sb	121	3030.505	0.004	**1.235031**	0.07	5.5	ug/L
_	Sb	123	2246.101	0.003	**1.220893**	0.06	5.0	ug/L
⌈	Ba	135	1610.143	0.003	**3.026762**	0.09	3.0	ug/L
|	Ba	137	2773.757	0.005	**3.258400**	0.06	1.9	ug/L
|	Ce	140	1462.118	0.003	**1068.584271**	50.13	4.7	ug/L
|	Tb	159	495549.827	0.001				ug/L
|>	Ho	165	520648.944	520648.944				ug/L
|	Tl	203	170.668	0.000	**-0.229762**	0.01	2.3	ug/L
|	Tl	205	400.009	0.001	**-0.092170**	0.01	6.9	ug/L
_	Pb	208	1958.082	0.003	**0.137423**	0.00	2.1	ug/L
⌈>	Bi	209	227181.995	227181.995				mg/L
_	U	238	77.334	0.000	**0.465333**	0.00	0.4	ug/L
	Kr	83	78.200	34.934				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		101.747	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		104.682	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	97.409
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.010
Tl	203	
Tl	205	
Pb	208	
Bi	209	90.294
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: ICSAB
Sample Date/Time: Friday, January 04, 2013 15:15:25
Sample Type: Spike - 2 of 2
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\ICSAB.011
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	16901.422	-0.004				ug/L
|	Li	7	1180.744	-0.000	**-0.250432**	0.30	121.3	ug/L
|	Be	9	14.000	-0.000	**0.185894**	0.07	36.5	ug/L
|	B	11	373.341	0.000	**2.327823**	0.20	8.4	ug/L
|	Na	23	52079612.714	186.171	**100642.029930**	613.30	0.6	ug/L
|	Mg	24	31906038.795	114.090	**95539.731500**	2078.77	2.2	ug/L
|	Al	27	99569874.980	356.047	**97489.438884**	2799.70	2.9	ug/L
|	Si	28	65942.998	-0.112	**1421.950909**	1604.93	112.9	ug/L
|	K	39	67150886.359	239.982	**103078.123838**	2929.94	2.8	ug/L
|	Ca	43	328556.792	1.174	**104768.473689**	3683.63	3.5	ug/L
|								ug/L
| >	Sc	45	279698.229	279698.229				ug/L
|	Ti	49	218690.696	0.780	**1833.421588**	16.37	0.9	ug/L
|	Co	59	177952.298	0.636	**82.076151**	2.27	2.8	ug/L
|	Ni	60	38858.896	0.139	**82.648713**	1.36	1.6	ug/L
|	Ni	62	6755.845	0.024	**89.577505**	2.15	2.4	ug/L
|	Cu	63	100780.615	0.360	**80.047287**	2.19	2.7	ug/L
|	Cu	65	51089.834	0.182	**79.526871**	0.57	0.7	ug/L
|	Zn	66	17303.136	0.060	**43.134933**	1.43	3.3	ug/L
|	Zn	67	6984.015	0.018	**54.133852**	1.69	3.1	ug/L
|	Zn	68	11914.472	0.042	**39.575958**	0.66	1.7	ug/L
|	V	51	166023.434	0.596	**83.677697**	2.97	3.6	ug/L
|	Cr	52	157490.390	0.549	**86.544084**	3.13	3.6	ug/L
|	Cr	53	64093.192	0.131	**101.785062**	5.02	4.9	ug/L
|	Mn	55	261071.695	0.933	**96.441782**	1.37	1.4	ug/L
|	Fe	54	14718060.206	52.586	**112361.577268**	1837.65	1.6	ug/L
⌊	Fe	57	6002955.929	21.458	**110130.552316**	1301.03	1.2	ug/L
⌜	As	75	19896.655	0.027	**35.048174**	1.27	3.6	ug/L
|	Se	77	6774.524	0.004	**70.126163**	7.52	10.7	ug/L
|	Se	82	1878.403	0.002	**39.595986**	1.90	4.8	ug/L
|	Sr	86	887.216	0.001	**1.912372**	0.13	7.0	ug/L
|	Sr	87	959.385	0.001	**2.101248**	0.09	4.5	ug/L
|	Sr	88	8448.592	0.011	**2.040075**	0.01	0.6	ug/L
|								ug/L
| >	Y	89	761282.371	761282.371				ug/L
|	Mo	95	1732488.084	2.276	**2051.173206**	46.83	2.3	ug/L
|	Mo	97	1056989.288	1.388	**2047.201316**	14.59	0.7	ug/L
⌊	Mo	98	2910140.188	3.822	**2189.368681**	29.16	1.3	ug/L
⌜	Ag	107	46134.170	0.130	**19.976672**	0.47	2.3	ug/L

|	Ag	109	44090.712	0.124	**19.581304**	0.39	2.0 ug/L
|	Cd	111	22155.816	0.062	**41.680840**	1.17	2.8 ug/L
|	Cd	114	50490.367	0.142	**40.754736**	0.58	1.4 ug/L
|>	In	115	354565.487	354565.487			ug/L
|	Sn	120	509.102	-0.000	**0.645767**	0.01	1.5 ug/L
|	Sb	121	2963.817	0.004	**1.182187**	0.04	3.1 ug/L
L	Sb	123	2181.829	0.003	**1.160412**	0.08	7.3 ug/L
⌈	Ba	135	1590.139	0.003	**2.988377**	0.12	4.1 ug/L
|	Ba	137	2795.097	0.005	**3.287266**	0.23	7.0 ug/L
|	Ce	140	1465.451	0.003	**1070.978541**	3.81	0.4 ug/L
|	Tb	159	501532.374	0.012			ug/L
|>	Ho	165	520507.588	520507.588			ug/L
|	Tl	203	158.668	0.000	**-0.236556**	0.00	1.0 ug/L
|	Tl	205	366.674	0.001	**-0.100327**	0.01	10.1 ug/L
L	Pb	208	1974.083	0.003	**0.140472**	0.01	7.6 ug/L
⌈>	Bi	209	225205.628	225205.628			mg/L
L	U	238	57.334	0.000	**0.462457**	0.00	0.3 ug/L
	Kr	83	77.600	34.334			ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		101.330	
Ti	49			
Co	59			99.930
Ni	60			99.633
Ni	62			100.385
Cu	63			97.962
Cu	65			97.627
Zn	66			101.064
Zn	67			98.621
Zn	68			96.313
V	51			107.377
Cr	52			104.827
Cr	53			96.452
Mn	55			101.912
Fe	54			
Fe	57			
As	75			86.926
Se	77			98.649
Se	82			94.396
Sr	86			
Sr	87			
Sr	88			
Y	89		104.833	
Mo	95			

Mo	97		
Mo	98		
Ag	107		97.620
Ag	109		95.518
Cd	111		95.632
Cd	114		95.273
In	115	98.474	
Sn	120		
Sb	121		
Sb	123		
Ba	135		
Ba	137		
Ce	140		
Tb	159		
Ho	165	99.983	
Tl	203		
Tl	205		
Pb	208		
Bi	209	89.508	
U	238		
Kr	83		

Quantitative Analysis - Summary Report

Sample ID: MBLK-117535
Sample Date/Time: Friday, January 04, 2013 15:29:21
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\MBLK-117535.012
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	18386.862	-0.000				ug/L
|	Li	7	1307.427	0.000	**0.031422**	0.07	213.9	ug/L
|	Be	9	24.000	0.000	**0.304493**	0.01	2.8	ug/L
|	B	11	876.042	0.002	**6.523704**	0.60	9.2	ug/L
|	Na	23	16782.178	0.029	**25.315839**	2.70	10.7	ug/L
|	Mg	24	2300.365	0.006	**6.124722**	4.38	71.6	ug/L
|	Al	27	9676.886	0.033	**8.081514**	1.61	20.0	ug/L
|	Si	28	92820.185	-0.022	**-32952.450826**	5388.81	16.4	ug/L
|	K	39	45044.741	0.005	**-1.968807**	2.90	147.2	ug/L
|	Ca	43	630.689	0.001	**45.233628**	18.96	41.9	ug/L
| >	Sc	45	285376.982	285376.982				ug/L
|	Ti	49	1317.429	0.003	**5.982088**	0.76	12.7	ug/L
|	Co	59	89.334	0.000	**0.341584**	0.01	2.0	ug/L
|	Ni	60	255.337	0.001	**0.127432**	0.03	24.2	ug/L
|	Ni	62	68.000	0.000	**-0.040335**	0.40	985.8	ug/L
|	Cu	63	1310.761	0.004	**0.371823**	0.08	20.6	ug/L
|	Cu	65	653.357	0.002	**0.241239**	0.04	18.0	ug/L
|	Zn	66	2246.945	0.006	**3.643461**	0.36	9.8	ug/L
|	Zn	67	5290.899	0.012	**26.803979**	10.75	40.1	ug/L
|	Zn	68	1656.151	0.005	**3.881203**	0.22	5.7	ug/L
|	V	51	-2928.479	-0.008	**-1.056713**	0.75	70.8	ug/L
|	Cr	52	6174.771	0.007	**0.681950**	0.17	25.1	ug/L
|	Cr	53	55789.040	0.097	**59.844430**	28.42	47.5	ug/L
|	Mn	55	763.366	0.002	**0.306424**	0.02	7.8	ug/L
|	Fe	54	24142.202	0.043	**87.647078**	8.58	9.8	ug/L
⌊	Fe	57	2018.891	0.003	**10.795328**	0.99	9.2	ug/L
⌜	As	75	-835.472	-0.000	**-0.405620**	0.93	229.3	ug/L
|	Se	77	6821.904	0.004	**70.035567**	11.26	16.1	ug/L
|	Se	82	3.931	0.000	**2.287931**	0.09	4.0	ug/L
|	Sr	86	82.226	0.000	**0.839959**	0.03	3.9	ug/L
|	Sr	87	77.643	0.000	**0.475534**	0.02	3.3	ug/L
|	Sr	88	897.378	0.001	**0.863773**	0.00	0.5	ug/L
| >	Y	89	765905.525	765905.525				ug/L
|	Mo	95	164.002	0.000	**0.884597**	0.04	4.0	ug/L
|	Mo	97	110.001	0.000	**0.431823**	0.02	4.9	ug/L
⌊	Mo	98	271.072	0.000	**0.617788**	0.02	3.9	ug/L
⌜	Ag	107	24.667	-0.000	**0.369708**	0.00	0.8	ug/L

|	Ag	109	16.667	-0.000	**0.419889**	0.00	0.0	ug/L
|	Cd	111	18.000	0.000	**0.320990**	0.00	0.5	ug/L
|	Cd	114	38.696	-0.000	**0.267841**	0.01	2.0	ug/L
|>	In	115	365163.312	365163.312				ug/L
|	Sn	120	713.081	0.000	**0.724152**	0.01	1.5	ug/L
|	Sb	121	1629.479	0.000	**0.473702**	0.01	2.4	ug/L
|	Sb	123	1253.984	-0.000	**0.519115**	0.02	3.3	ug/L
⌈	Ba	135	339.340	0.001	**0.413957**	0.03	6.8	ug/L
|	Ba	137	564.017	0.001	**0.658581**	0.01	1.9	ug/L
|	Ce	140	36.000	0.000	**36.002846**	3.46	9.6	ug/L
|	Tb	159	506668.260	0.010				ug/L
|>	Ho	165	526868.405	526868.405				ug/L
|	Tl	203	46.667	0.000	**-0.300105**	0.00	0.5	ug/L
|	Tl	205	127.334	0.000	**-0.157802**	0.00	1.7	ug/L
⌊	Pb	208	544.006	0.001	**-0.109931**	0.00	3.8	ug/L
⌈>	Bi	209	245686.994	245686.994				mg/L
⌊	U	238	15.333	0.000	**0.456005**	0.00	0.2	ug/L
	Kr	83	42.800	-0.467				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		103.388	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		105.470	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	101.418
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	101.204
Tl	203	
Tl	205	
Pb	208	
Bi	209	97.648
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: LCS-117535
Sample Date/Time: Friday, January 04, 2013 15:32:18
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\LCS-117535.013
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	17809.176	-0.004				ug/L
|	Li	7	43621.906	0.145	**114.019825**	5.60	4.9	ug/L
|	Be	9	9090.544	0.031	**108.943203**	2.00	1.8	ug/L
|	B	11	14540.295	0.049	**119.329303**	3.56	3.0	ug/L
|	Na	23	2931176.042	10.020	**5425.361589**	313.57	5.8	ug/L
|	Mg	24	1809181.463	6.200	**5192.474342**	519.46	10.0	ug/L
|	Al	27	6155408.305	21.106	**5778.243506**	180.80	3.1	ug/L
|	Si	28	95943.795	-0.019	**-34289.626226**	2638.18	7.7	ug/L
|	K	39	3983385.055	13.507	**5797.443884**	167.04	2.9	ug/L
|	Ca	43	19941.883	0.067	**5956.107300**	294.86	5.0	ug/L
|>	Sc	45	291609.668	291609.668				ug/L
|	Ti	49	15450.456	0.051	**119.705855**	2.35	2.0	ug/L
|	Co	59	262473.808	0.900	**115.995100**	3.24	2.8	ug/L
|	Ni	60	58054.856	0.199	**118.615631**	3.20	2.7	ug/L
|	Ni	62	9169.969	0.031	**116.922918**	7.76	6.6	ug/L
|	Cu	63	152388.670	0.522	**116.405106**	3.60	3.1	ug/L
|	Cu	65	77739.281	0.266	**116.408402**	4.05	3.5	ug/L
|	Zn	66	45417.261	0.154	**111.833123**	3.66	3.3	ug/L
|	Zn	67	13428.592	0.039	**143.079144**	9.11	6.4	ug/L
|	Zn	68	34723.565	0.118	**113.761938**	3.06	2.7	ug/L
|	V	51	233787.616	0.804	**112.841819**	4.99	4.4	ug/L
|	Cr	52	223021.493	0.750	**118.492607**	3.04	2.6	ug/L
|	Cr	53	90407.905	0.212	**201.240201**	15.54	7.7	ug/L
|	Mn	55	336212.005	1.152	**119.109223**	3.73	3.1	ug/L
|	Fe	54	860020.925	2.907	**6208.573856**	197.25	3.2	ug/L
⌞	Fe	57	339524.826	1.160	**5950.346877**	246.44	4.1	ug/L
⌜	As	75	58096.930	0.076	**99.096200**	7.95	8.0	ug/L
|	Se	77	26463.160	0.030	**563.300831**	49.47	8.8	ug/L
|	Se	82	24737.305	0.032	**487.675177**	27.00	5.5	ug/L
|	Sr	86	83155.456	0.108	**110.050029**	7.22	6.6	ug/L
|	Sr	87	60385.382	0.078	**110.039207**	6.12	5.6	ug/L
|	Sr	88	695410.117	0.900	**107.446794**	3.82	3.6	ug/L
|>	Y	89	772698.234	772698.234				ug/L
|	Mo	95	93041.727	0.121	**109.296316**	5.14	4.7	ug/L
|	Mo	97	57824.670	0.075	**110.698674**	5.23	4.7	ug/L
⌞	Mo	98	148566.875	0.193	**110.692865**	5.86	5.3	ug/L
⌜	Ag	107	256007.994	0.709	**107.277091**	5.63	5.2	ug/L

|	Ag	109	248860.563	0.689	**106.638585**	4.74	4.4	ug/L
|	Cd	111	57721.554	0.160	**106.147093**	3.76	3.5	ug/L
|	Cd	114	133847.319	0.370	**105.660597**	3.42	3.2	ug/L
|>	In	115	361491.723	361491.723				ug/L
|	Sn	120	264495.806	0.731	**111.973073**	4.86	4.3	ug/L
|	Sb	121	214182.090	0.589	**107.580166**	5.22	4.9	ug/L
|	Sb	123	161399.785	0.443	**105.188413**	5.43	5.2	ug/L
⌈	Ba	135	56747.428	0.106	**113.124543**	4.96	4.4	ug/L
|	Ba	137	99459.764	0.186	**113.759891**	5.71	5.0	ug/L
|	Ce	140	100.001	0.000	**80.677557**	8.41	10.4	ug/L
|	Tb	159	513007.054	0.009				ug/L
|>	Ho	165	534218.926	534218.926				ug/L
|	Tl	203	201003.788	0.376	**110.232173**	5.32	4.8	ug/L
|	Tl	205	478398.499	0.896	**111.320923**	4.36	3.9	ug/L
⌊	Pb	208	651837.308	1.220	**110.484566**	4.24	3.8	ug/L
⌈>	Bi	209	248181.162	248181.162				mg/L
⌊	U	238	811107.990	3.268	**110.325996**	2.16	2.0	ug/L
	Kr	83	48.867	5.600				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		105.646	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		106.406	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	100.398
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	102.616
Tl	203	
Tl	205	
Pb	208	
Bi	209	98.640
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-17A
Sample Date/Time: Friday, January 04, 2013 15:41:50
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-17A.014
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	17586.551	-0.001				ug/L
|	Li	7	3679.411	0.009	**34.433075**	0.66	1.9	ug/L
|	Be	9	17.333	-0.000	**1.145575**	0.40	34.9	ug/L
|	B	11	1674.821	0.005	**68.548030**	3.82	5.6	ug/L
|	Na	23	23879524.359	86.321	**233346.441806**	4261.18	1.8	ug/L
|	Mg	24	6880919.314	24.871	**104138.808503**	5219.34	5.0	ug/L
|	Al	27	2098.576	0.006	**4.217664**	0.56	13.3	ug/L
|	Si	28	2027285.937	6.983	**-13582230.138986**	715286.83	5.3	ug/L
|	K	39	255310.466	0.770	**1632.857932**	98.15	6.0	ug/L
|	Ca	43	84486.832	0.305	**135680.995365**	3230.30	2.4	ug/L
|								ug/L
| >	Sc	45	276577.851	276577.851				ug/L
|	Ti	49	738.030	0.001	**7.070102**	1.48	20.9	ug/L
|	Co	59	293.338	0.001	**2.188460**	0.02	1.0	ug/L
|	Ni	60	278.004	0.001	**0.969433**	0.14	14.2	ug/L
|	Ni	62	66.667	0.000	**-0.106802**	1.40	1312.6	ug/L
|	Cu	63	816.703	0.002	**0.020109**	0.26	1311.0	ug/L
|	Cu	65	172.002	0.000	**-2.462226**	0.49	19.8	ug/L
|	Zn	66	1505.458	0.004	**9.298250**	0.96	10.3	ug/L
|	Zn	67	4182.311	0.008	**62.836000**	49.71	79.1	ug/L
|	Zn	68	2121.581	0.007	**28.498002**	1.99	7.0	ug/L
|	V	51	-2725.564	-0.007	**-4.979750**	3.70	74.2	ug/L
|	Cr	52	5196.154	0.005	**1.165095**	0.83	71.6	ug/L
|	Cr	53	46608.037	0.070	**135.882174**	108.34	79.7	ug/L
|	Mn	55	11892.444	0.042	**22.360129**	0.77	3.5	ug/L
|	Fe	54	14972.574	0.012	**112.176872**	26.56	23.7	ug/L
⌊	Fe	57	3183.891	0.007	**167.798477**	6.76	4.0	ug/L
⌜	As	75	-287.260	0.000	**2.411370**	1.10	45.5	ug/L
|	Se	77	5234.848	0.003	**183.315430**	63.02	34.4	ug/L
|	Se	82	47.508	0.000	**15.977261**	0.94	5.9	ug/L
|	Sr	86	173705.969	0.238	**1212.457820**	29.87	2.5	ug/L
|	Sr	87	125522.727	0.172	**1208.932151**	17.94	1.5	ug/L
|	Sr	88	1467450.776	2.013	**1196.387265**	12.76	1.1	ug/L
|								ug/L
| >	Y	89	728821.817	728821.817				ug/L
|	Mo	95	302.005	0.000	**5.322962**	0.12	2.2	ug/L
|	Mo	97	159.335	0.000	**2.712064**	0.21	7.6	ug/L
|	Mo	98	395.515	0.001	**3.629003**	0.08	2.3	ug/L
⌊	Mo	98	395.515	0.001	**3.629003**	0.08	2.3	ug/L
⌜	Ag	107	68.667	0.000	**1.947965**	0.02	1.0	ug/L

|	Ag	109	67.334	0.000	**2.215448**	0.02	1.1	ug/L
|	Cd	111	43.000	0.000	**1.856165**	0.03	1.6	ug/L
|	Cd	114	103.946	0.000	**1.618321**	0.03	1.6	ug/L
|>	In	115	343643.464	343643.464				ug/L
|	Sn	120	326.299	-0.001	**2.858446**	0.04	1.5	ug/L
|	Sb	121	2307.626	0.002	**4.417522**	0.17	4.0	ug/L
_	Sb	123	1839.828	0.002	**4.858418**	0.34	7.0	ug/L
⌈	Ba	135	63729.962	0.123	**655.150115**	12.08	1.8	ug/L
|	Ba	137	111038.087	0.214	**654.839617**	24.15	3.7	ug/L
|	Ce	140	142.668	0.000	**570.467878**	31.88	5.6	ug/L
|	Tb	159	497832.713	0.010				ug/L
|>	Ho	165	518033.929	518033.929				ug/L
|	Tl	203	50.667	0.000	**-1.487124**	0.01	1.0	ug/L
|	Tl	205	150.668	0.000	**-0.758164**	0.03	3.4	ug/L
_	Pb	208	17714.721	0.034	**14.494556**	0.53	3.6	ug/L
⌈>	Bi	209	238049.214	238049.214				mg/L
_	U	238	18206.884	0.076	**15.126971**	0.27	1.8	ug/L
	Kr	83	45.867	2.600				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		100.200	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		100.363	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	95.441
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	99.507
Tl	203	
Tl	205	
Pb	208	
Bi	209	94.613
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-17ASD
Sample Date/Time: Friday, January 04, 2013 15:45:38
Sample Type: Sample
Sample Description: 25
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-17ASD.015
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 0.4000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	18269.412	0.001				ug/L
|	Li	7	1756.836	0.002	**34.395077**	1.88	5.5	ug/L
|	Be	9	22.000	0.000	**7.143573**	0.57	8.0	ug/L
|	B	11	708.028	0.002	**130.715318**	12.84	9.8	ug/L
|	Na	23	5018491.928	17.950	**242795.386845**	5020.14	2.1	ug/L
|	Mg	24	1305252.939	4.674	**97876.248305**	2206.27	2.3	ug/L
|	Al	27	835.038	0.002	**-10.377314**	1.00	9.6	ug/L
|	Si	28	455374.856	1.283	**-13328179.515748**	221331.20	1.7	ug/L
|	K	39	86442.451	0.157	**1580.832845**	83.63	5.3	ug/L
|	Ca	43	17512.862	0.062	**136306.593850**	4454.54	3.3	ug/L
|>	Sc	45	279139.653	279139.653				ug/L
|	Ti	49	676.025	0.001	**20.884652**	7.03	33.7	ug/L
|	Co	59	112.001	0.000	**8.824592**	0.09	1.0	ug/L
|	Ni	60	78.667	0.000	**-5.957380**	0.47	7.8	ug/L
|	Ni	62	56.000	0.000	**-4.347184**	4.73	108.9	ug/L
|	Cu	63	225.336	0.000	**-11.916554**	0.38	3.2	ug/L
|	Cu	65	81.334	-0.000	**-15.925928**	0.24	1.5	ug/L
|	Zn	66	1228.083	0.003	**27.335827**	6.85	25.0	ug/L
|	Zn	67	4306.356	0.009	**346.595209**	110.26	31.8	ug/L
|	Zn	68	1161.409	0.003	**57.184216**	16.43	28.7	ug/L
|	V	51	-3139.821	-0.009	**-29.685154**	11.91	40.1	ug/L
|	Cr	52	5441.629	0.005	**8.625481**	2.20	25.5	ug/L
|	Cr	53	50762.355	0.084	**1090.040862**	349.27	32.0	ug/L
|	Mn	55	2829.774	0.009	**26.937197**	0.41	1.5	ug/L
|	Fe	54	13550.728	0.006	**261.839633**	65.44	25.0	ug/L
⌊	Fe	57	1794.844	0.002	**186.847569**	10.09	5.4	ug/L
⌜	As	75	-653.853	-0.000	**-4.395201**	20.28	461.4	ug/L
|	Se	77	5127.447	0.002	**836.644158**	80.79	9.7	ug/L
|	Se	82	16.267	0.000	**63.630064**	0.70	1.1	ug/L
|	Sr	86	34885.149	0.048	**1229.335767**	41.63	3.4	ug/L
|	Sr	87	25373.809	0.035	**1225.862671**	39.63	3.2	ug/L
|	Sr	88	295246.261	0.404	**1215.363913**	43.58	3.6	ug/L
|>	Y	89	730562.858	730562.858				ug/L
|	Mo	95	60.667	0.000	**19.154236**	0.11	0.6	ug/L
|	Mo	97	54.000	0.000	**8.227220**	0.23	2.8	ug/L
⌊	Mo	98	107.206	0.000	**12.475697**	0.09	0.7	ug/L
⌜	Ag	107	28.667	-0.000	**9.296460**	0.10	1.1	ug/L

|	Ag	109	25.333	-0.000	**10.601256**	0.06	0.5	ug/L
|	Cd	111	19.000	0.000	**8.106251**	0.21	2.6	ug/L
|	Cd	114	46.519	0.000	**6.887637**	0.19	2.7	ug/L
|>	In	115	349811.605	349811.605				ug/L
|	Sn	120	237.150	-0.001	**13.258285**	0.14	1.1	ug/L
|	Sb	121	1650.150	0.000	**13.016275**	1.45	11.1	ug/L
_	Sb	123	1336.252	0.000	**15.251806**	0.36	2.4	ug/L
⌈	Ba	135	12886.462	0.025	**648.617214**	6.91	1.1	ug/L
|	Ba	137	21985.225	0.042	**640.077523**	11.83	1.8	ug/L
|	Ce	140	44.000	0.000	**1047.685321**	167.06	15.9	ug/L
|	Tb	159	501902.334	0.006				ug/L
|>	Ho	165	524453.277	524453.277				ug/L
|	Tl	203	45.333	0.000	**-7.518520**	0.15	2.0	ug/L
|	Tl	205	101.334	0.000	**-4.095492**	0.05	1.2	ug/L
_	Pb	208	3785.642	0.007	**11.273729**	0.42	3.7	ug/L
⌈>	Bi	209	247620.001	247620.001				mg/L
_	U	238	3848.815	0.016	**24.413021**	0.25	1.0	ug/L
	Kr	83	42.467	-0.800				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		101.128	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		100.603	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	97.154
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.741
Tl	203	
Tl	205	
Pb	208	
Bi	209	98.417
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-17AMS
Sample Date/Time: Friday, January 04, 2013 15:48:36
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-17AMS.016
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	17822.545	-0.001				ug/L
|	Li	7	11517.961	0.037	**143.208479**	4.13	2.9	ug/L
|	Be	9	1768.840	0.006	**109.958794**	9.17	8.3	ug/L
|	B	11	4102.926	0.014	**171.641918**	9.56	5.6	ug/L
|	Na	23	24849710.885	88.322	**238754.047681**	7115.95	3.0	ug/L
|	Mg	24	7253398.198	25.793	**108000.068992**	4145.76	3.8	ug/L
|	Al	27	1113123.073	3.960	**5416.735966**	223.91	4.1	ug/L
|	Si	28	2029545.037	6.870	**-13364760.816260**	491561.82	3.7	ug/L
|	K	39	980356.276	3.332	**7134.189527**	377.78	5.3	ug/L
|	Ca	43	89319.910	0.317	**141096.750653**	4372.93	3.1	ug/L
|								ug/L
| >	Sc	45	281153.714	281153.714				ug/L
|	Ti	49	3491.338	0.011	**121.788406**	7.79	6.4	ug/L
|	Co	59	48537.245	0.173	**112.470185**	1.39	1.2	ug/L
|	Ni	60	11421.174	0.040	**119.388322**	0.33	0.3	ug/L
|	Ni	62	1829.518	0.006	**117.446287**	8.19	7.0	ug/L
|	Cu	63	29023.606	0.103	**112.337976**	0.43	0.4	ug/L
|	Cu	65	14767.997	0.052	**111.596507**	1.76	1.6	ug/L
|	Zn	66	11548.666	0.040	**139.678965**	1.66	1.2	ug/L
|	Zn	67	6825.228	0.017	**256.357202**	22.20	8.7	ug/L
|	Zn	68	9962.794	0.035	**163.195975**	6.15	3.8	ug/L
|	V	51	43485.785	0.157	**110.537522**	6.50	5.9	ug/L
|	Cr	52	46040.325	0.150	**116.092512**	0.70	0.6	ug/L
|	Cr	53	60883.210	0.118	**432.226912**	50.10	11.6	ug/L
|	Mn	55	72287.775	0.256	**132.939235**	3.14	2.4	ug/L
|	Fe	54	165444.010	0.546	**5820.668405**	97.35	1.7	ug/L
⌊	Fe	57	65800.625	0.230	**5880.303985**	116.89	2.0	ug/L
⌜	As	75	11581.423	0.016	**106.240919**	8.86	8.3	ug/L
|	Se	77	9886.040	0.009	**774.161384**	32.41	4.2	ug/L
|	Se	82	5019.823	0.007	**521.322351**	23.22	4.5	ug/L
|	Sr	86	190020.653	0.255	**1297.344692**	35.76	2.8	ug/L
|	Sr	87	138665.093	0.186	**1306.483500**	32.40	2.5	ug/L
|	Sr	88	1597525.438	2.144	**1273.902933**	17.10	1.3	ug/L
|								ug/L
| >	Y	89	745112.647	745112.647				ug/L
|	Mo	95	17936.344	0.024	**111.884303**	1.07	1.0	ug/L
|	Mo	97	11136.818	0.015	**111.313440**	2.83	2.5	ug/L
⌊	Mo	98	28337.088	0.038	**110.986608**	0.84	0.8	ug/L
⌜	Ag	107	47535.978	0.136	**104.315629**	1.84	1.8	ug/L

|	Ag	109	46126.776	0.132	**103.781908**	3.31	3.2	ug/L
|	Cd	111	11274.488	0.032	**108.263493**	1.43	1.3	ug/L
|	Cd	114	26044.885	0.074	**107.182653**	1.53	1.4	ug/L
|>	In	115	349642.815	349642.815				ug/L
|	Sn	120	50671.987	0.143	**112.494297**	1.02	0.9	ug/L
|	Sb	121	44515.405	0.123	**114.148136**	1.38	1.2	ug/L
|	Sb	123	33794.140	0.093	**112.582541**	1.03	0.9	ug/L
|	Ba	135	74763.041	0.142	**758.839090**	19.37	2.6	ug/L
|	Ba	137	130286.594	0.248	**758.159181**	8.71	1.1	ug/L
|	Ce	140	172.002	0.000	**668.473480**	95.17	14.2	ug/L
|	Tb	159	496639.034	-0.005				ug/L
|>	Ho	165	524661.348	524661.348				ug/L
|	Tl	203	38720.984	0.074	**106.736911**	1.84	1.7	ug/L
|	Tl	205	90565.609	0.172	**106.485598**	1.31	1.2	ug/L
|	Pb	208	142339.770	0.271	**121.995364**	2.42	2.0	ug/L
|>	Bi	209	239853.476	239853.476				mg/L
|	U	238	179778.927	0.750	**128.269376**	1.58	1.2	ug/L
	Kr	83	50.000	6.733				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		101.858	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		102.607	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	97.107
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.781
Tl	203	
Tl	205	
Pb	208	
Bi	209	95.330
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-17AMSD
Sample Date/Time: Friday, January 04, 2013 15:51:32
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-17AMSD.017
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Li	6	17977.506	-0.001				ug/L
	Li	7	11660.142	0.037	**144.255608**	3.34	2.3	ug/L
	Be	9	1717.496	0.006	**106.210689**	6.28	5.9	ug/L
	B	11	4072.245	0.013	**169.225440**	0.72	0.4	ug/L
	Na	23	24073561.664	85.132	**230131.477670**	5260.58	2.3	ug/L
	Mg	24	7006316.897	24.782	**103766.817960**	572.25	0.6	ug/L
	Al	27	1119586.880	3.959	**5416.093998**	128.69	2.4	ug/L
	Si	28	1934259.077	6.494	**-12646017.458726**	60999.13	0.5	ug/L
	K	39	978148.326	3.308	**7082.685027**	308.52	4.4	ug/L
	Ca	43	85287.637	0.301	**133978.779095**	3099.61	2.3	ug/L
>	Sc	45	282697.556	282697.556				ug/L
	Ti	49	3438.650	0.010	**118.694671**	2.45	2.1	ug/L
	Co	59	47088.316	0.166	**108.548848**	1.56	1.4	ug/L
	Ni	60	10573.480	0.037	**109.759563**	1.84	1.7	ug/L
	Ni	62	1641.482	0.006	**104.170090**	4.77	4.6	ug/L
	Cu	63	28025.134	0.098	**107.742128**	0.99	0.9	ug/L
	Cu	65	14033.500	0.049	**105.270415**	3.79	3.6	ug/L
	Zn	66	9778.597	0.033	**115.917703**	5.37	4.6	ug/L
	Zn	67	6565.039	0.016	**233.707956**	18.68	8.0	ug/L
	Zn	68	8390.537	0.029	**135.243556**	2.00	1.5	ug/L
	V	51	43259.744	0.156	**109.275113**	4.14	3.8	ug/L
	Cr	52	45880.852	0.148	**114.931197**	3.09	2.7	ug/L
	Cr	53	61787.958	0.120	**443.750360**	17.27	3.9	ug/L
	Mn	55	71218.572	0.251	**130.247561**	1.88	1.4	ug/L
	Fe	54	164730.334	0.541	**5759.599054**	141.74	2.5	ug/L
	Fe	57	65162.102	0.226	**5787.868272**	143.61	2.5	ug/L
	As	75	11001.284	0.016	**102.802700**	3.81	3.7	ug/L
	Se	77	10027.528	0.009	**815.945437**	16.18	2.0	ug/L
	Se	82	4864.206	0.007	**514.079155**	8.47	1.6	ug/L
	Sr	86	189868.822	0.259	**1318.874409**	47.85	3.6	ug/L
	Sr	87	137143.300	0.187	**1314.910241**	36.15	2.7	ug/L
	Sr	88	1619414.524	2.212	**1314.191723**	42.74	3.3	ug/L
>	Y	89	731948.124	731948.124				ug/L
	Mo	95	17606.366	0.024	**111.819277**	2.25	2.0	ug/L
	Mo	97	11186.220	0.015	**113.735024**	3.09	2.7	ug/L
	Mo	98	28329.392	0.039	**112.903597**	1.39	1.2	ug/L
	Ag	107	47264.577	0.135	**103.298356**	1.41	1.4	ug/L

|	Ag	109	45507.671	0.130	**101.963289**	0.65	0.6	ug/L
|	Cd	111	11301.356	0.032	**108.052662**	0.61	0.6	ug/L
|	Cd	114	26228.586	0.075	**107.458916**	1.20	1.1	ug/L
|>	In	115	351143.344	351143.344				ug/L
|	Sn	120	49735.968	0.140	**110.040319**	3.19	2.9	ug/L
|	Sb	121	43033.617	0.118	**109.845538**	2.54	2.3	ug/L
|	Sb	123	32914.382	0.090	**109.216395**	3.64	3.3	ug/L
⌈	Ba	135	72950.869	0.139	**740.400678**	5.42	0.7	ug/L
|	Ba	137	127014.955	0.242	**738.988377**	14.33	1.9	ug/L
|	Ce	140	170.002	0.000	**662.243095**	74.71	11.3	ug/L
|	Tb	159	506445.621	0.014				ug/L
|>	Ho	165	524735.057	524735.057				ug/L
|	Tl	203	38056.829	0.072	**104.868514**	0.30	0.3	ug/L
|	Tl	205	90124.540	0.172	**105.947961**	0.59	0.6	ug/L
⌊	Pb	208	140059.117	0.267	**120.017808**	2.53	2.1	ug/L
⌈>	Bi	209	239911.252	239911.252				mg/L
⌊	U	238	173248.685	0.722	**123.660541**	1.19	1.0	ug/L
	Kr	83	49.667	6.400				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		102.417	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		100.794	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	97.524
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.795
Tl	203	
Tl	205	
Pb	208	
Bi	209	95.353
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-17APDS
Sample Date/Time: Friday, January 04, 2013 15:54:28
Sample Type: Sample
Sample Description: 25
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-17APDS.018
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 0.4000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌈	Li	6	17098.307	-0.002				
|	Li	7	41616.459	0.148	**2900.510982**	11.77	0.4	ug/L
|	Be	9	9247.373	0.034	**2953.423394**	62.60	2.1	ug/L
|	B	11	13192.246	0.047	**2884.285471**	36.23	1.3	ug/L
|	Na	23	7717833.814	28.206	**381399.826187**	13025.11	3.4	ug/L
|	Mg	24	3240238.602	11.846	**248020.123662**	3320.63	1.3	ug/L
|	Al	27	5666442.729	20.719	**141810.086664**	2305.16	1.6	ug/L
|	Si	28	436959.285	1.249	**-13001550.430237**	71643.21	0.6	ug/L
|	K	39	3534101.437	12.762	**136943.271883**	1590.60	1.2	ug/L
|	Ca	43	35285.733	0.128	**284253.256154**	2198.31	0.8	ug/L
|	Sc	45	273582.271	273582.271				ug/L
|	Ti	49	13901.306	0.049	**2864.336890**	52.40	1.8	ug/L
|	Co	59	238319.594	0.871	**2807.490091**	41.52	1.5	ug/L
|	Ni	60	51820.811	0.189	**2820.465325**	31.07	1.1	ug/L
|	Ni	62	8229.060	0.030	**2795.204449**	36.08	1.3	ug/L
|	Cu	63	138948.291	0.507	**2827.975164**	48.97	1.7	ug/L
|	Cu	65	70800.227	0.259	**2825.000126**	31.22	1.1	ug/L
|	Zn	66	43174.314	0.156	**2835.132631**	50.77	1.8	ug/L
|	Zn	67	11588.715	0.036	**3192.095808**	169.48	5.3	ug/L
|	Zn	68	33453.485	0.121	**2922.570162**	24.84	0.8	ug/L
|	V	51	219528.942	0.805	**2823.812701**	27.47	1.0	ug/L
|	Cr	52	199512.927	0.715	**2820.453968**	48.95	1.7	ug/L
|	Cr	53	76001.298	0.180	**4041.845842**	53.41	1.3	ug/L
|	Mn	55	298522.214	1.090	**2817.483253**	76.28	2.7	ug/L
|	Fe	54	732599.619	2.636	**140708.871796**	275.36	0.2	ug/L
⌊	Fe	57	297851.991	1.084	**139060.016971**	1719.25	1.2	ug/L
⌈	As	75	59391.305	0.081	**2637.466303**	81.95	3.1	ug/L
|	Se	77	24797.780	0.029	**13707.868861**	627.91	4.6	ug/L
|	Se	82	25367.263	0.034	**13038.146121**	369.96	2.8	ug/L
|	Sr	86	114480.143	0.155	**3939.373113**	88.63	2.2	ug/L
|	Sr	87	83801.799	0.113	**3978.719797**	54.42	1.4	ug/L
|	Sr	88	956767.962	1.293	**3849.218549**	90.41	2.3	ug/L
|	Y	89	739982.772	739982.772				ug/L
|	Mo	95	87900.375	0.119	**2693.731977**	54.28	2.0	ug/L
|	Mo	97	54297.689	0.073	**2712.232505**	75.84	2.8	ug/L
⌊	Mo	98	140183.570	0.190	**2724.463941**	62.80	2.3	ug/L
⌈	Ag	107	257296.842	0.733	**2774.272088**	74.95	2.7	ug/L

|	Ag	109	248118.098	0.707	**2736.852329**	107.16	3.9	ug/L
|	Cd	111	57425.108	0.164	**2718.140746**	66.38	2.4	ug/L
|	Cd	114	133187.674	0.380	**2706.954951**	33.35	1.2	ug/L
|>	In	115	350757.189	350757.189				ug/L
|	Sn	120	248294.003	0.706	**2705.576185**	15.75	0.6	ug/L
|	Sb	121	211456.728	0.599	**2733.463734**	36.93	1.4	ug/L
L	Sb	123	162538.984	0.460	**2726.697294**	7.97	0.3	ug/L
⌈	Ba	135	67104.855	0.128	**3404.218592**	20.35	0.6	ug/L
|	Ba	137	116653.956	0.222	**3393.536135**	20.37	0.6	ug/L
|	Ce	140	202.669	0.000	**3891.430576**	371.46	9.5	ug/L
|	Tb	159	503353.962	0.008				ug/L
|>	Ho	165	524847.396	524847.396				ug/L
|	Tl	203	195815.168	0.373	**2731.405228**	17.04	0.6	ug/L
|	Tl	205	456860.257	0.871	**2704.687477**	56.36	2.1	ug/L
L	Pb	208	632416.260	1.205	**2726.673347**	9.60	0.4	ug/L
⌈>	Bi	209	241701.850	241701.850				mg/L
L	U	238	794069.272	3.286	**2772.916794**	17.90	0.6	ug/L
	Kr	83	47.467	4.200				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		99.115	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		101.900	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	97.417
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.816
Tl	203	
Tl	205	
Pb	208	
Bi	209	96.065
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-17APDSD
Sample Date/Time: Friday, January 04, 2013 15:57:24
Sample Type: Sample
Sample Description: 25
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-17APDSD.019
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 0.4000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16944.947	-0.003				ug/L
|	Li	7	40676.814	0.143	**2813.859705**	78.56	2.8	ug/L
|	Be	9	8712.174	0.032	**2764.311849**	89.85	3.3	ug/L
|	B	11	12616.082	0.045	**2739.316286**	44.14	1.6	ug/L
|	Na	23	7392214.961	26.798	**362373.992921**	8226.04	2.3	ug/L
|	Mg	24	3271697.230	11.869	**248502.296007**	10295.67	4.1	ug/L
|	Al	27	5617678.727	20.380	**139486.386487**	5030.12	3.6	ug/L
|	Si	28	433313.235	1.226	**-12776888.974824**	389992.22	3.1	ug/L
|	K	39	3610297.177	12.942	**138868.894271**	7745.97	5.6	ug/L
|	Ca	43	34119.938	0.123	**272890.948961**	9677.92	3.5	ug/L
| >	Sc	45	275462.767	275462.767				ug/L
|	Ti	49	13464.641	0.047	**2750.829202**	46.25	1.7	ug/L
|	Co	59	230339.205	0.836	**2694.862326**	36.56	1.4	ug/L
|	Ni	60	50330.275	0.183	**2721.894512**	82.00	3.0	ug/L
|	Ni	62	8271.765	0.030	**2792.969615**	166.12	5.9	ug/L
|	Cu	63	134122.969	0.487	**2711.951834**	106.24	3.9	ug/L
|	Cu	65	69404.041	0.252	**2751.559180**	129.02	4.7	ug/L
|	Zn	66	42011.516	0.151	**2738.011167**	71.11	2.6	ug/L
|	Zn	67	11377.793	0.034	**3080.532148**	297.80	9.7	ug/L
|	Zn	68	31683.146	0.114	**2747.711882**	132.17	4.8	ug/L
|	V	51	210647.935	0.767	**2691.680474**	34.15	1.3	ug/L
|	Cr	52	193422.377	0.688	**2714.808180**	27.26	1.0	ug/L
|	Cr	53	75262.309	0.175	**3903.883707**	278.36	7.1	ug/L
|	Mn	55	292438.614	1.061	**2742.915236**	77.83	2.8	ug/L
|	Fe	54	731229.494	2.614	**139548.364898**	4745.30	3.4	ug/L
⌊	Fe	57	292828.415	1.059	**135840.826203**	4743.32	3.5	ug/L
⌈	As	75	56851.860	0.079	**2571.761949**	30.79	1.2	ug/L
|	Se	77	24378.002	0.029	**13712.876692**	577.34	4.2	ug/L
|	Se	82	24738.975	0.034	**12945.356841**	161.32	1.2	ug/L
|	Sr	86	109983.398	0.151	**3856.897712**	23.48	0.6	ug/L
|	Sr	87	80703.281	0.111	**3901.343057**	49.94	1.3	ug/L
|	Sr	88	933280.484	1.284	**3822.805656**	62.75	1.6	ug/L
| >	Y	89	726541.175	726541.175				ug/L
|	Mo	95	85488.230	0.118	**2666.947995**	57.38	2.2	ug/L
|	Mo	97	52582.315	0.072	**2673.235907**	35.27	1.3	ug/L
⌊	Mo	98	134357.533	0.185	**2658.228968**	52.77	2.0	ug/L
⌈	Ag	107	245921.218	0.711	**2690.765015**	81.95	3.0	ug/L

|	Ag	109	238835.691	0.691	**2672.888888**	92.92	3.5	ug/L
|	Cd	111	56064.690	0.162	**2692.808084**	75.72	2.8	ug/L
|	Cd	114	128250.246	0.371	**2644.958890**	43.02	1.6	ug/L
|>	In	115	345654.902	345654.902				ug/L
|	Sn	120	244477.217	0.705	**2703.147636**	38.80	1.4	ug/L
|	Sb	121	205711.177	0.591	**2698.356344**	47.32	1.8	ug/L
|	Sb	123	157015.051	0.451	**2672.573926**	63.29	2.4	ug/L
⌈	Ba	135	65064.878	0.123	**3275.295054**	35.36	1.1	ug/L
|	Ba	137	112966.765	0.214	**3261.272808**	29.80	0.9	ug/L
|	Ce	140	221.336	0.000	**4190.664083**	551.95	13.2	ug/L
|	Tb	159	502825.452	-0.000				ug/L
|>	Ho	165	528734.710	528734.710				ug/L
|	Tl	203	190572.193	0.360	**2637.892310**	34.96	1.3	ug/L
|	Tl	205	445250.389	0.842	**2615.968296**	41.03	1.6	ug/L
⌊	Pb	208	615385.689	1.163	**2633.238000**	30.32	1.2	ug/L
⌈>	Bi	209	238242.887	238242.887				mg/L
⌊	U	238	770058.464	3.232	**2727.470847**	28.86	1.1	ug/L
	Kr	83	47.467	4.200				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		99.796	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		100.049	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	96.000
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	101.563
Tl	203	
Tl	205	
Pb	208	
Bi	209	94.690
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Friday, January 04, 2013 16:00:27
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\QC Std 4.020
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌈	Li	6	17469.139	-0.001				ug/L
|	Li	7	38233.570	0.135	**106.248355**	2.23	2.1	ug/L
|	Be	9	8392.539	0.031	**107.154112**	0.93	0.9	ug/L
|	B	11	11345.743	0.041	**99.072876**	1.93	1.9	ug/L
|	Na	23	2610812.366	9.508	**5149.054483**	88.45	1.7	ug/L
|	Mg	24	1651435.568	6.033	**5052.682396**	152.33	3.0	ug/L
|	Al	27	5353905.008	19.560	**5354.992686**	71.19	1.3	ug/L
|	Si	28	53129.468	-0.154	**17383.873581**	869.79	5.0	ug/L
|	K	39	3491688.274	12.609	**5412.031875**	341.71	6.3	ug/L
|	Ca	43	16330.657	0.059	**5176.935413**	48.43	0.9	ug/L
|								ug/L
|>	Sc	45	273722.395	273722.395				ug/L
|	Ti	49	12480.562	0.044	**102.354648**	2.21	2.2	ug/L
|	Co	59	215570.538	0.787	**101.514188**	0.75	0.7	ug/L
|	Ni	60	47856.989	0.175	**104.113747**	1.03	1.0	ug/L
|	Ni	62	7692.588	0.028	**104.394375**	2.13	2.0	ug/L
|	Cu	63	125361.114	0.457	**101.937282**	0.83	0.8	ug/L
|	Cu	65	65543.589	0.239	**104.474099**	2.29	2.2	ug/L
|	Zn	66	41029.739	0.148	**107.555676**	1.54	1.4	ug/L
|	Zn	67	10981.301	0.033	**118.034978**	5.38	4.6	ug/L
|	Zn	68	31307.191	0.114	**109.198276**	2.94	2.7	ug/L
|	V	51	201018.114	0.737	**103.415669**	1.70	1.6	ug/L
|	Cr	52	181510.147	0.649	**102.391231**	1.00	1.0	ug/L
|	Cr	53	71120.459	0.162	**139.520580**	1.23	0.9	ug/L
|	Mn	55	272603.170	0.995	**102.887328**	0.24	0.2	ug/L
|	Fe	54	685048.128	2.461	**5254.550097**	60.62	1.2	ug/L
⌊	Fe	57	282047.815	1.026	**5263.514547**	63.39	1.2	ug/L
⌈	As	75	53797.489	0.075	**97.515811**	3.73	3.8	ug/L
|	Se	77	23087.286	0.027	**514.592021**	3.90	0.8	ug/L
|	Se	82	23597.550	0.033	**494.610263**	14.10	2.9	ug/L
|	Sr	86	71339.110	0.098	**100.438050**	2.63	2.6	ug/L
|	Sr	87	51607.726	0.071	**100.003257**	1.27	1.3	ug/L
|	Sr	88	592951.683	0.816	**97.492494**	1.11	1.1	ug/L
|								ug/L
|>	Y	89	725906.255	725906.255				ug/L
|	Mo	95	78724.294	0.108	**98.366264**	1.06	1.1	ug/L
|	Mo	97	47880.436	0.066	**97.492488**	1.74	1.8	ug/L
⌊	Mo	98	124462.766	0.171	**98.636439**	2.31	2.3	ug/L
⌈	Ag	107	230473.861	0.663	**100.386387**	1.53	1.5	ug/L

|	Ag	109	222013.120	0.639	**98.898101**	1.31	1.3	ug/L
|	Cd	111	51812.154	0.149	**99.057098**	0.61	0.6	ug/L
|	Cd	114	120874.323	0.348	**99.224042**	0.49	0.5	ug/L
|>	In	115	347479.554	347479.554				ug/L
|	Sn	120	224073.998	0.643	**98.648532**	1.30	1.3	ug/L
|	Sb	121	188941.432	0.539	**98.597546**	0.23	0.2	ug/L
_	Sb	123	146952.203	0.419	**99.548435**	1.89	1.9	ug/L
⌈	Ba	135	49357.039	0.094	**100.278666**	1.68	1.7	ug/L
|	Ba	137	85631.008	0.163	**99.840798**	2.13	2.1	ug/L
|	Ce	140	180.002	0.000	**139.508779**	29.31	21.0	ug/L
|	Tb	159	503259.591	0.010				ug/L
|>	Ho	165	523694.914	523694.914				ug/L
|	Tl	203	177058.169	0.338	**98.966687**	1.81	1.8	ug/L
|	Tl	205	416508.486	0.795	**98.790293**	2.05	2.1	ug/L
_	Pb	208	574914.332	1.097	**99.344781**	0.73	0.7	ug/L
⌈>	Bi	209	245892.407	245892.407				mg/L
_	U	238	722419.859	2.938	**99.236322**	1.27	1.3	ug/L
	Kr	83	46.267	3.000				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7	106.248		
Be	9	107.154		
B	11	99.073		
Na	23	102.981		
Mg	24	101.054		
Al	27	105.000		
Si	28	347.677		
K	39	108.241		
Ca	43	103.539		
Sc	45		99.165	
Ti	49	102.355		
Co	59	101.514		
Ni	60	104.114		
Ni	62	104.394		
Cu	63	101.937		
Cu	65	104.474		
Zn	66	107.556		
Zn	67	118.035		
Zn	68	109.198		
V	51	103.416		
Cr	52	102.391		
Cr	53	139.521		
Mn	55	102.887		
Fe	54	105.091		
Fe	57	105.270		
As	75	97.516		
Se	77	102.918		
Se	82	98.922		
Sr	86	100.438		
Sr	87	100.003		
Sr	88	97.492		
Y	89		99.962	
Mo	95	98.366		

Mo	97	97.492	
Mo	98	98.636	
Ag	107	100.386	
Ag	109	98.898	
Cd	111	99.057	
Cd	114	99.224	
In	115		96.506
Sn	120	98.649	
Sb	121	98.598	
Sb	123	99.548	
Ba	135	100.279	
Ba	137	99.841	
Ce	140	139.509	
Tb	159		
Ho	165		100.595
Tl	203	98.967	
Tl	205	98.790	
Pb	208	99.345	
Bi	209		97.730
U	238	99.236	
Kr	83		

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Friday, January 04, 2013 16:04:37
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\QC Std 6.021
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18555.900	0.002				ug/L
|	Li	7	1315.429	0.000	**0.133905**	0.24	176.1	ug/L
|	Be	9	18.000	-0.000	**0.235908**	0.09	38.6	ug/L
|	B	11	331.339	0.000	**1.973573**	0.44	22.3	ug/L
|	Na	23	9204.662	0.003	**11.305099**	0.70	6.2	ug/L
|	Mg	24	1266.755	0.003	**3.095158**	0.33	10.6	ug/L
|	Al	27	2176.928	0.006	**0.901957**	0.16	17.9	ug/L
|	Si	28	52065.339	-0.161	**20293.236151**	298.90	1.5	ug/L
|	K	39	39519.103	-0.011	**-8.990714**	1.93	21.5	ug/L
|	Ca	43	574.685	0.001	**32.064236**	5.82	18.1	ug/L
|	> Sc	45	279140.845	279140.845				ug/L
|	Ti	49	632.022	0.001	**0.465395**	0.17	35.6	ug/L
|	Co	59	70.667	0.000	**0.333952**	0.00	0.7	ug/L
|	Ni	60	62.667	0.000	**-0.272725**	0.03	9.9	ug/L
|	Ni	62	52.000	0.000	**-0.227629**	0.38	165.9	ug/L
|	Cu	63	250.670	0.000	**-0.456476**	0.02	5.3	ug/L
|	Cu	65	140.001	0.000	**-0.544718**	0.02	3.8	ug/L
|	Zn	66	1080.064	0.002	**0.706472**	0.07	10.6	ug/L
|	Zn	67	4064.910	0.008	**10.200272**	2.29	22.4	ug/L
|	Zn	68	880.043	0.002	**1.313369**	0.19	14.3	ug/L
|	V	51	-2029.471	-0.005	**-0.629233**	0.16	25.9	ug/L
|	Cr	52	5050.071	0.004	**0.122552**	0.12	95.2	ug/L
|	Cr	53	48322.956	0.075	**32.810604**	9.52	29.0	ug/L
|	Mn	55	403.342	0.001	**0.179664**	0.01	6.1	ug/L
|	Fe	54	12029.604	0.001	**-1.191687**	2.07	173.4	ug/L
⌊	Fe	57	1291.425	0.000	**-1.780507**	2.05	115.2	ug/L
⌈	As	75	-400.037	0.000	**0.266017**	0.30	112.1	ug/L
|	Se	77	4501.115	0.002	**18.664762**	7.15	38.3	ug/L
|	Se	82	1.925	0.000	**2.248346**	0.01	0.7	ug/L
|	Sr	86	35.687	0.000	**0.780487**	0.02	2.4	ug/L
|	Sr	87	48.423	0.000	**0.426761**	0.03	6.7	ug/L
|	Sr	88	557.351	0.000	**0.816678**	0.01	0.9	ug/L
|	> Y	89	720481.385	720481.385				ug/L
|	Mo	95	40.667	0.000	**0.742427**	0.01	1.6	ug/L
|	Mo	97	42.667	0.000	**0.307829**	0.02	7.1	ug/L
⌊	Mo	98	57.662	0.000	**0.460584**	0.01	2.5	ug/L
⌈	Ag	107	51.333	0.000	**0.381787**	0.00	0.7	ug/L

|	Ag	109	34.000	-0.000	**0.427983**	0.00	0.6	ug/L
|	Cd	111	15.833	0.000	**0.318627**	0.00	1.5	ug/L
|	Cd	114	46.059	0.000	**0.275435**	0.01	3.9	ug/L
|>	In	115	346741.609	346741.609				ug/L
|	Sn	120	625.733	-0.000	**0.702034**	0.03	3.9	ug/L
|	Sb	121	1600.808	0.000	**0.501505**	0.01	1.4	ug/L
L	Sb	123	1279.237	0.000	**0.578925**	0.04	7.4	ug/L
⌈	Ba	135	44.667	0.000	**-0.181648**	0.02	13.4	ug/L
|	Ba	137	56.000	0.000	**0.070349**	0.00	5.3	ug/L
|	Ce	140	23.333	0.000	**27.149486**	3.09	11.4	ug/L
|	Tb	159	497065.018	0.002				ug/L
|>	Ho	165	521576.857	521576.857				ug/L
|	Tl	203	76.667	0.000	**-0.282973**	0.01	2.3	ug/L
|	Tl	205	160.668	0.000	**-0.149549**	0.01	3.5	ug/L
L	Pb	208	185.334	0.000	**-0.171363**	0.00	0.9	ug/L
⌈>	Bi	209	246834.760	246834.760				mg/L
L	U	238	72.667	0.000	**0.463807**	0.00	0.4	ug/L
	Kr	83	43.600	0.333				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		101.128	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		99.215	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	96.301
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.188
Tl	203	
Tl	205	
Pb	208	
Bi	209	98.105
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-01A
Sample Date/Time: Friday, January 04, 2013 16:08:04
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-01A.022
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
								ug/L
	Li	6	18098.629	-0.000				
	Li	7	2589.035	0.005	**18.475885**	0.50	2.7	ug/L
	Be	9	15.333	-0.000	**1.006839**	0.47	46.3	ug/L
	B	11	3041.842	0.010	**126.497009**	2.37	1.9	ug/L
	Na	23	5392417.985	19.211	**51968.662003**	2496.04	4.8	ug/L
	Mg	24	244854.900	0.873	**3658.311306**	134.19	3.7	ug/L
	Al	27	2510.349	0.008	**6.116034**	1.40	22.9	ug/L
	Si	28	3151515.765	10.907	**-21097047.890441**	370494.57	1.8	ug/L
	K	39	167054.939	0.444	**931.931595**	12.13	1.3	ug/L
	Ca	43	5592.387	0.019	**8157.503623**	16.51	0.2	ug/L
								ug/L
>	Sc	45	280086.617	280086.617				
	Ti	49	754.698	0.001	**7.401432**	1.48	19.9	ug/L
	Co	59	145.335	0.000	**1.841569**	0.09	4.9	ug/L
	Ni	60	121.334	0.000	**-0.738346**	0.14	18.8	ug/L
	Ni	62	54.667	0.000	**-0.990194**	1.04	105.2	ug/L
	Cu	63	498.680	0.001	**-1.293595**	0.09	6.9	ug/L
	Cu	65	205.336	0.000	**-2.211459**	0.22	10.1	ug/L
	Zn	66	1488.122	0.004	**8.833267**	1.69	19.2	ug/L
	Zn	67	4810.606	0.010	**106.415071**	17.37	16.3	ug/L
	Zn	68	1313.428	0.004	**14.023090**	0.11	0.8	ug/L
	V	51	-587.538	0.000	**0.455854**	1.72	377.0	ug/L
	Cr	52	5669.770	0.006	**2.326524**	0.85	36.5	ug/L
	Cr	53	54032.305	0.095	**286.836290**	71.32	24.9	ug/L
	Mn	55	19128.103	0.068	**35.434280**	1.06	3.0	ug/L
	Fe	54	15369.887	0.013	**120.118645**	14.36	12.0	ug/L
	Fe	57	1822.183	0.002	**39.420473**	8.02	20.3	ug/L
	As	75	-412.286	0.000	**1.310980**	2.47	188.6	ug/L
	Se	77	5346.905	0.003	**195.003846**	8.63	4.4	ug/L
	Se	82	-1.937	-0.000	**10.841318**	0.27	2.5	ug/L
	Sr	86	8049.444	0.011	**59.413274**	1.67	2.8	ug/L
	Sr	87	5901.215	0.008	**58.164752**	0.29	0.5	ug/L
	Sr	88	66610.611	0.091	**57.524151**	1.74	3.0	ug/L
								ug/L
>	Y	89	732167.450	732167.450				
	Mo	95	2142.253	0.003	**16.634603**	0.49	3.0	ug/L
	Mo	97	1306.761	0.002	**14.257328**	0.18	1.3	ug/L
	Mo	98	3390.140	0.005	**15.335155**	0.45	2.9	ug/L
	Ag	107	32.000	0.000	**1.866023**	0.02	0.9	ug/L

|	Ag	109	28.000	-0.000	**2.126095**	0.02	1.2	ug/L
|	Cd	111	17.667	0.000	**1.608587**	0.01	0.4	ug/L
|	Cd	114	52.357	0.000	**1.400434**	0.06	4.0	ug/L
|>	In	115	350585.755	350585.755				ug/L
|	Sn	120	357.719	-0.001	**2.912265**	0.01	0.4	ug/L
|	Sb	121	1571.469	0.000	**2.387419**	0.20	8.6	ug/L
L	Sb	123	1213.895	-0.000	**2.629571**	0.16	6.2	ug/L
⌈	Ba	135	5123.444	0.010	**51.126656**	0.07	0.1	ug/L
|	Ba	137	8909.032	0.017	**52.264107**	1.53	2.9	ug/L
|	Ce	140	42.000	0.000	**203.109988**	29.77	14.7	ug/L
|	Tb	159	504635.032	0.018				ug/L
|>	Ho	165	520738.623	520738.623				ug/L
|	Tl	203	60.000	0.000	**-1.461498**	0.04	2.5	ug/L
|	Tl	205	123.334	0.000	**-0.791791**	0.01	1.8	ug/L
L	Pb	208	834.015	0.001	**-0.291908**	0.03	11.3	ug/L
⌈>	Bi	209	246298.676	246298.676				mg/L
L	U	238	233.336	0.001	**2.428458**	0.03	1.1	ug/L
	Kr	83	43.067	-0.200				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		101.471	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		100.824	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	97.369
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.027
Tl	203	
Tl	205	
Pb	208	
Bi	209	97.892
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-02A
Sample Date/Time: Friday, January 04, 2013 16:11:00
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-02A.023
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17196.875	-0.004				ug/L
|	Li	7	16616.517	0.054	**211.829503**	6.88	3.2	ug/L
|	Be	9	470.012	0.002	**28.917607**	1.50	5.2	ug/L
|	B	11	7343.633	0.025	**306.935810**	9.15	3.0	ug/L
|	Na	23	33659004.541	118.480	**320261.525653**	21756.71	6.8	ug/L
|	Mg	24	5761079.570	20.276	**84900.102695**	5125.52	6.0	ug/L
|	Al	27	44698559.985	157.194	**215204.532019**	4746.72	2.2	ug/L
|	Si	28	4638890.958	15.963	**-30781223.706729**	223362.69	0.7	ug/L
|	K	39	1070787.861	3.618	**7748.452617**	582.65	7.5	ug/L
|	Ca	43	60152.031	0.210	**93652.603877**	2130.22	2.3	ug/L
|>	Sc	45	284431.036	284431.036				ug/L
|	Ti	49	1364.769	0.003	**32.126239**	3.08	9.6	ug/L
|	Co	59	84731.756	0.298	**193.034752**	4.66	2.4	ug/L
|	Ni	60	23492.988	0.082	**244.945367**	4.25	1.7	ug/L
|	Ni	62	3895.503	0.014	**252.043684**	12.38	4.9	ug/L
|	Cu	63	1080.731	0.003	**0.969357**	0.18	18.8	ug/L
|	Cu	65	530.682	0.002	**0.275939**	0.13	47.7	ug/L
|	Zn	66	27789.090	0.096	**346.941863**	7.39	2.1	ug/L
|	Zn	67	9370.166	0.026	**438.666156**	8.64	2.0	ug/L
|	Zn	68	20708.908	0.072	**344.476332**	4.70	1.4	ug/L
|	V	51	57146.165	0.203	**142.789985**	4.28	3.0	ug/L
|	Cr	52	36763.593	0.115	**88.752272**	3.33	3.7	ug/L
|	Cr	53	58049.467	0.106	**355.029635**	15.02	4.2	ug/L
|	Mn	55	3370657.667	11.855	**6122.247760**	159.11	2.6	ug/L
|	Fe	54	6973116.563	24.488	**261610.102918**	9401.50	3.6	ug/L
⌊	Fe	57	2836515.359	9.970	**255833.207896**	3470.29	1.4	ug/L
⌈	As	75	1109.522	0.001	**10.122094**	0.28	2.7	ug/L
|	Se	77	5541.021	-0.001	**-130.340348**	7.00	5.4	ug/L
|	Se	82	55.259	0.000	**14.026131**	0.25	1.8	ug/L
|	Sr	86	137416.660	0.098	**500.535238**	14.05	2.8	ug/L
|	Sr	87	102911.952	0.073	**516.142547**	22.73	4.4	ug/L
|	Sr	88	1156593.472	0.824	**492.065073**	7.18	1.5	ug/L
|>	Y	89	1402870.066	1402870.066				ug/L
|	Mo	95	292.005	0.000	**4.392878**	0.11	2.5	ug/L
|	Mo	97	190.669	0.000	**2.101880**	0.06	2.6	ug/L
⌊	Mo	98	444.038	0.000	**2.981690**	0.06	1.9	ug/L
⌈	Ag	107	102.001	0.000	**2.019122**	0.01	0.4	ug/L

|	Ag	109	72.000	0.000	**2.223805**	0.04	1.6	ug/L
|	Cd	111	55.667	0.000	**1.973625**	0.03	1.3	ug/L
|	Cd	114	118.769	0.000	**1.675949**	0.08	4.8	ug/L
|>	In	115	346872.170	346872.170				ug/L
|	Sn	120	307.076	-0.001	**2.809233**	0.13	4.6	ug/L
|	Sb	121	1626.146	0.000	**2.573111**	0.16	6.2	ug/L
L	Sb	123	1265.487	0.000	**2.846875**	0.11	3.7	ug/L
⌈	Ba	135	2117.580	0.004	**18.855085**	0.58	3.1	ug/L
|	Ba	137	3562.698	0.006	**19.496623**	0.50	2.5	ug/L
|	Ce	140	1974332.013	3.534	**6657564.668669**	108931.07	1.6	ug/L
|	Tb	159	531164.721	-0.001				ug/L
|>	Ho	165	558700.313	558700.313				ug/L
|	Tl	203	63.334	0.000	**-1.464002**	0.02	1.5	ug/L
|	Tl	205	142.001	0.000	**-0.780927**	0.03	3.5	ug/L
L	Pb	208	1080.691	0.002	**-0.140890**	0.03	22.6	ug/L
⌈>	Bi	209	230452.452	230452.452				mg/L
L	U	238	276.671	0.001	**2.471354**	0.00	0.1	ug/L
	Kr	83	103.267	60.000				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		103.045	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		193.184	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	96.338
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	107.319
Tl	203	
Tl	205	
Pb	208	
Bi	209	91.593
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-03A
Sample Date/Time: Friday, January 04, 2013 16:13:56
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-03A.024
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	17347.654	0.001				ug/L
|	Li	7	3150.546	0.008	**29.123373**	0.80	2.7	ug/L
|	Be	9	11.333	-0.000	**0.800522**	0.19	23.3	ug/L
|	B	11	1516.793	0.005	**64.954719**	3.21	4.9	ug/L
|	Na	23	5531680.176	20.962	**56700.764077**	1885.67	3.3	ug/L
|	Mg	24	375286.070	1.423	**5963.417492**	566.98	9.5	ug/L
|	Al	27	46755.202	0.176	**236.476791**	8.71	3.7	ug/L
|	Si	28	2567331.137	9.394	**-18200002.425411**	576710.19	3.2	ug/L
|	K	39	133574.483	0.354	**739.116410**	10.65	1.4	ug/L
|	Ca	43	8833.625	0.033	**14203.338448**	8.67	0.1	ug/L
| >	Sc	45	263656.663	263656.663				ug/L
|	Ti	49	876.042	0.002	**14.776736**	0.84	5.7	ug/L
|	Co	59	678.692	0.002	**3.161118**	0.10	3.1	ug/L
|	Ni	60	147.335	0.000	**-0.365307**	0.15	42.2	ug/L
|	Ni	62	76.000	0.000	**0.773728**	0.36	46.8	ug/L
|	Cu	63	400.676	0.001	**-1.582390**	0.23	14.5	ug/L
|	Cu	65	177.335	0.000	**-2.343624**	0.27	11.4	ug/L
|	Zn	66	1662.819	0.005	**12.469649**	1.21	9.7	ug/L
|	Zn	67	5120.111	0.013	**153.619673**	22.46	14.6	ug/L
|	Zn	68	1530.796	0.005	**19.412667**	1.87	9.6	ug/L
|	V	51	-2467.605	-0.007	**-4.642347**	2.49	53.6	ug/L
|	Cr	52	5671.769	0.007	**3.327284**	0.29	8.7	ug/L
|	Cr	53	55769.306	0.113	**401.508127**	69.27	17.3	ug/L
|	Mn	55	12065.342	0.045	**23.780390**	0.57	2.4	ug/L
|	Fe	54	20087.123	0.034	**347.475444**	19.65	5.7	ug/L
⌞	Fe	57	3919.513	0.010	**253.702111**	10.59	4.2	ug/L
⌜	As	75	-587.552	-0.000	**-0.574117**	1.16	202.9	ug/L
|	Se	77	5246.849	0.003	**229.665470**	6.69	2.9	ug/L
|	Se	82	6.247	0.000	**11.706737**	1.31	11.2	ug/L
|	Sr	86	13500.166	0.020	**103.754624**	5.45	5.2	ug/L
|	Sr	87	10000.361	0.015	**104.067599**	2.23	2.1	ug/L
|	Sr	88	112318.941	0.164	**100.892687**	4.24	4.2	ug/L
| >	Y	89	685006.286	685006.286				ug/L
|	Mo	95	246.003	0.000	**5.076144**	0.07	1.4	ug/L
|	Mo	97	138.001	0.000	**2.587991**	0.17	6.6	ug/L
⌞	Mo	98	356.335	0.000	**3.563017**	0.10	2.8	ug/L
⌜	Ag	107	26.667	-0.000	**1.858462**	0.02	0.9	ug/L

|	Ag	109	27.333	-0.000	**2.128386**	0.02	1.1	ug/L
|	Cd	111	16.667	0.000	**1.609702**	0.02	1.5	ug/L
|	Cd	114	49.526	0.000	**1.402474**	0.04	2.6	ug/L
|>	In	115	328830.116	328830.116				ug/L
|	Sn	120	213.183	-0.001	**2.629498**	0.06	2.4	ug/L
|	Sb	121	1564.135	0.000	**2.634446**	0.07	2.8	ug/L
L	Sb	123	1189.901	0.000	**2.810870**	0.18	6.4	ug/L
⌈	Ba	135	14651.803	0.029	**154.042324**	0.57	0.4	ug/L
|	Ba	137	25353.977	0.050	**153.949643**	1.67	1.1	ug/L
|	Ce	140	1863.525	0.004	**7033.853450**	482.06	6.9	ug/L
|	Tb	159	481360.236	0.006				ug/L
|>	Ho	165	502982.256	502982.256				ug/L
|	Tl	203	53.333	0.000	**-1.475272**	0.03	2.1	ug/L
|	Tl	205	96.667	0.000	**-0.819875**	0.01	1.4	ug/L
L	Pb	208	1590.056	0.003	**0.415430**	0.03	6.5	ug/L
⌈>	Bi	209	237646.773	237646.773				mg/L
L	U	238	198.669	0.001	**2.409928**	0.01	0.6	ug/L
	Kr	83	45.133	1.867				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		95.519	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		94.330	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	91.327
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	96.616
Tl	203	
Tl	205	
Pb	208	
Bi	209	94.453
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-04A
Sample Date/Time: Friday, January 04, 2013 16:16:53
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-04A.025
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌈	Li	6	17483.369	0.001				ug/L
|	Li	7	1871.526	0.003	**9.731487**	0.40	4.1	ug/L
|	Be	9	19.333	-0.000	**1.321262**	0.43	32.6	ug/L
|	B	11	2326.298	0.008	**100.733853**	1.18	1.2	ug/L
|	Na	23	7324301.905	27.440	**74207.701924**	1145.74	1.5	ug/L
|	Mg	24	16548.382	0.060	**256.416712**	5.27	2.1	ug/L
|	Al	27	3232.243	0.011	**10.435651**	1.18	11.3	ug/L
|	Si	28	1732468.714	6.151	**-11987595.326941**	80931.92	0.7	ug/L
|	K	39	105037.287	0.241	**497.668257**	48.67	9.8	ug/L
|	Ca	43	1326.764	0.004	**1462.604582**	93.39	6.4	ug/L
|								ug/L
| >	Sc	45	266615.539	266615.539				ug/L
|	Ti	49	842.039	0.001	**12.831878**	0.87	6.8	ug/L
|	Co	59	74.667	0.000	**1.687009**	0.02	1.4	ug/L
|	Ni	60	143.334	0.000	**-0.427018**	0.08	18.4	ug/L
|	Ni	62	65.334	0.000	**-0.049109**	1.07	2176.1	ug/L
|	Cu	63	672.692	0.002	**-0.460387**	0.15	32.2	ug/L
|	Cu	65	236.003	0.001	**-1.878683**	0.12	6.5	ug/L
|	Zn	66	1576.137	0.004	**11.007148**	0.42	3.8	ug/L
|	Zn	67	5085.423	0.012	**146.123175**	8.69	5.9	ug/L
|	Zn	68	1200.080	0.004	**13.130987**	2.02	15.4	ug/L
|	V	51	-2344.692	-0.006	**-4.242317**	2.30	54.3	ug/L
|	Cr	52	5792.512	0.007	**3.498850**	0.38	10.8	ug/L
|	Cr	53	57096.806	0.116	**416.526493**	7.90	1.9	ug/L
|	Mn	55	11197.562	0.041	**21.838146**	0.28	1.3	ug/L
|	Fe	54	15331.036	0.015	**147.940815**	13.10	8.9	ug/L
⌊	Fe	57	1841.520	0.003	**49.583614**	2.59	5.2	ug/L
⌈	As	75	-468.068	-0.000	**0.549391**	1.14	207.6	ug/L
|	Se	77	5327.561	0.003	**241.356095**	24.75	10.3	ug/L
|	Se	82	3.061	0.000	**11.381054**	0.80	7.0	ug/L
|	Sr	86	1785.043	0.003	**16.880769**	0.64	3.8	ug/L
|	Sr	87	1295.414	0.002	**14.923533**	0.40	2.7	ug/L
|	Sr	88	15112.552	0.022	**16.703454**	0.48	2.9	ug/L
| >	Y	89	685007.848	685007.848				ug/L
|	Mo	95	256.004	0.000	**5.136498**	0.19	3.6	ug/L
|	Mo	97	170.668	0.000	**2.938866**	0.13	4.5	ug/L
⌊	Mo	98	368.181	0.001	**3.615272**	0.19	5.1	ug/L
⌈	Ag	107	22.667	-0.000	**1.848959**	0.00	0.1	ug/L

|	Ag	109	26.000	-0.000	**2.124643**	0.01	0.6	ug/L
|	Cd	111	13.833	-0.000	**1.580670**	0.06	3.6	ug/L
|	Cd	114	32.083	-0.000	**1.325518**	0.01	0.9	ug/L
|>	In	115	331389.797	331389.797				ug/L
|	Sn	120	210.474	-0.001	**2.619110**	0.02	0.7	ug/L
|	Sb	121	1435.447	0.000	**2.246804**	0.12	5.5	ug/L
|	Sb	123	1110.138	-0.000	**2.496834**	0.22	8.6	ug/L
⌈	Ba	135	1413.444	0.003	**13.828072**	1.02	7.4	ug/L
|	Ba	137	2320.296	0.005	**14.298711**	0.40	2.8	ug/L
|	Ce	140	2924.471	0.006	**11148.219903**	251.83	2.3	ug/L
|	Tb	159	477545.793	0.011				ug/L
|>	Ho	165	496375.442	496375.442				ug/L
|	Tl	203	46.000	0.000	**-1.494294**	0.03	2.3	ug/L
|	Tl	205	83.334	0.000	**-0.834772**	0.01	1.3	ug/L
⌊	Pb	208	846.016	0.001	**-0.245411**	0.03	11.7	ug/L
⌈>	Bi	209	236172.518	236172.518				mg/L
⌊	U	238	213.336	0.001	**2.421355**	0.02	0.7	ug/L
	Kr	83	43.267	0.000				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		96.591	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		94.330	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	92.038
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	95.347
Tl	203	
Tl	205	
Pb	208	
Bi	209	93.867
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-05A
Sample Date/Time: Friday, January 04, 2013 16:19:50
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-05A.026
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	17281.708	0.002				ug/L
|	Li	7	1937.540	0.003	**11.380871**	0.96	8.5	ug/L
|	Be	9	14.000	-0.000	**0.989223**	0.22	22.0	ug/L
|	B	11	2011.556	0.007	**88.712293**	5.99	6.8	ug/L
|	Na	23	7876297.613	30.196	**81657.116933**	274.38	0.3	ug/L
|	Mg	24	10506.237	0.038	**165.286468**	33.84	20.5	ug/L
|	Al	27	2548.691	0.008	**7.221167**	0.50	7.0	ug/L
|	Si	28	2028900.251	7.438	**-14454063.379986**	518152.52	3.6	ug/L
|	K	39	65300.742	0.098	**189.659369**	35.93	18.9	ug/L
|	Ca	43	918.713	0.003	**814.510744**	66.95	8.2	ug/L
|								ug/L
| >	Sc	45	260573.999	260573.999				ug/L
|	Ti	49	762.032	0.001	**10.080840**	0.37	3.7	ug/L
|	Co	59	62.667	0.000	**1.661575**	0.00	0.1	ug/L
|	Ni	60	114.667	0.000	**-0.714855**	0.27	37.5	ug/L
|	Ni	62	54.667	0.000	**-0.690669**	0.80	116.0	ug/L
|	Cu	63	1969.547	0.007	**5.180193**	0.17	3.3	ug/L
|	Cu	65	906.712	0.003	**3.820599**	0.20	5.1	ug/L
|	Zn	66	2679.062	0.009	**26.996209**	0.61	2.3	ug/L
|	Zn	67	5273.529	0.013	**170.914041**	10.42	6.1	ug/L
|	Zn	68	2166.925	0.007	**31.638683**	1.77	5.6	ug/L
|	V	51	-3479.939	-0.011	**-7.447823**	4.83	64.8	ug/L
|	Cr	52	5749.819	0.008	**3.769721**	0.60	15.8	ug/L
|	Cr	53	58474.814	0.126	**480.231395**	38.92	8.1	ug/L
|	Mn	55	2460.333	0.009	**5.028759**	0.20	3.9	ug/L
|	Fe	54	14159.650	0.012	**114.195841**	5.41	4.7	ug/L
⌊	Fe	57	1394.774	0.001	**9.757719**	6.66	68.2	ug/L
⌜	As	75	-711.425	-0.000	**-1.701534**	0.83	48.7	ug/L
|	Se	77	5380.925	0.003	**240.201889**	10.96	4.6	ug/L
|	Se	82	-0.123	0.000	**11.024177**	0.40	3.6	ug/L
|	Sr	86	2053.446	0.003	**18.685366**	0.30	1.6	ug/L
|	Sr	87	1572.134	0.002	**17.565819**	0.84	4.8	ug/L
|	Sr	88	17399.982	0.025	**18.502382**	0.26	1.4	ug/L
| >	Y	89	692736.825	692736.825				ug/L
|	Mo	95	338.673	0.000	**5.657988**	0.06	1.1	ug/L
|	Mo	97	197.335	0.000	**3.201581**	0.13	4.1	ug/L
⌊	Mo	98	448.102	0.001	**3.928512**	0.13	3.4	ug/L
⌜	Ag	107	36.000	0.000	**1.879815**	0.00	0.1	ug/L

|	Ag	109	30.667	-0.000	**2.135782**	0.02	0.8	ug/L
|	Cd	111	15.667	0.000	**1.599671**	0.02	1.2	ug/L
|	Cd	114	39.787	-0.000	**1.360261**	0.03	2.1	ug/L
|>	In	115	329154.441	329154.441				ug/L
|	Sn	120	325.178	-0.001	**2.889295**	0.09	3.0	ug/L
|	Sb	121	1521.461	0.000	**2.515571**	0.26	10.3	ug/L
|	Sb	123	1156.479	-0.000	**2.695446**	0.41	15.2	ug/L
|	Ba	135	1244.752	0.002	**11.943010**	0.74	6.2	ug/L
|	Ba	137	2195.598	0.004	**13.448648**	0.24	1.8	ug/L
|	Ce	140	370.008	0.001	**1446.709116**	180.29	12.5	ug/L
|	Tb	159	480404.633	0.011				ug/L
|>	Ho	165	499456.910	499456.910				ug/L
|	Tl	203	36.667	-0.000	**-1.522673**	0.03	2.0	ug/L
|	Tl	205	82.000	0.000	**-0.837157**	0.00	0.4	ug/L
|	Pb	208	7679.259	0.015	**5.953926**	0.08	1.3	ug/L
|>	Bi	209	234401.691	234401.691				mg/L
|	U	238	42.667	0.000	**2.299954**	0.01	0.4	ug/L
	Kr	83	41.267	-2.000				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		94.402	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		95.394	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	91.417
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	95.939
Tl	203	
Tl	205	
Pb	208	
Bi	209	93.163
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-06A
Sample Date/Time: Friday, January 04, 2013 16:22:47
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-06A.027
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	17277.290	0.000				ug/L
|	Li	7	2092.908	0.003	**13.088006**	1.44	11.0	ug/L
|	Be	9	15.333	-0.000	**1.064582**	0.42	39.6	ug/L
|	B	11	2420.323	0.008	**105.301692**	5.99	5.7	ug/L
|	Na	23	7510860.689	28.215	**76304.292474**	7594.90	10.0	ug/L
|	Mg	24	17817.523	0.065	**276.869352**	21.15	7.6	ug/L
|	Al	27	1750.172	0.005	**2.828820**	1.47	52.1	ug/L
|	Si	28	1705193.617	6.064	**-11821088.287037**	132832.09	1.1	ug/L
|	K	39	137295.658	0.364	**759.805320**	18.51	2.4	ug/L
|	Ca	43	1393.440	0.004	**1580.150571**	94.91	6.0	ug/L
|>	Sc	45	265985.529	265985.529				ug/L
|	Ti	49	873.376	0.002	**14.283813**	2.85	19.9	ug/L
|	Co	59	121.334	0.000	**1.799985**	0.03	1.4	ug/L
|	Ni	60	254.004	0.001	**0.821600**	0.20	23.8	ug/L
|	Ni	62	66.667	0.000	**0.057180**	1.00	1753.2	ug/L
|	Cu	63	1192.745	0.004	**1.735168**	0.08	4.7	ug/L
|	Cu	65	512.015	0.002	**0.408965**	0.48	118.2	ug/L
|	Zn	66	1537.464	0.004	**10.519531**	0.66	6.3	ug/L
|	Zn	67	5066.747	0.012	**145.518098**	13.64	9.4	ug/L
|	Zn	68	1326.764	0.004	**15.462447**	1.15	7.4	ug/L
|	V	51	-2479.704	-0.007	**-4.573426**	1.62	35.4	ug/L
|	Cr	52	6053.351	0.008	**4.307287**	0.49	11.3	ug/L
|	Cr	53	58801.641	0.123	**459.107892**	20.52	4.5	ug/L
|	Mn	55	14184.395	0.053	**27.701779**	1.07	3.9	ug/L
|	Fe	54	15403.144	0.016	**152.401666**	19.90	13.1	ug/L
⌊	Fe	57	1890.863	0.003	**54.758622**	3.00	5.5	ug/L
⌜	As	75	-486.443	-0.000	**0.435701**	1.85	423.8	ug/L
|	Se	77	5622.405	0.003	**268.523078**	7.87	2.9	ug/L
|	Se	82	3.588	0.000	**11.427767**	1.04	9.1	ug/L
|	Sr	86	2047.230	0.003	**18.540508**	0.83	4.5	ug/L
|	Sr	87	1475.081	0.002	**16.490406**	0.37	2.2	ug/L
|	Sr	88	17981.767	0.025	**18.897545**	0.17	0.9	ug/L
|>	Y	89	697510.315	697510.315				ug/L
|	Mo	95	267.337	0.000	**5.182450**	0.17	3.3	ug/L
|	Mo	97	210.002	0.000	**3.320287**	0.26	8.0	ug/L
⌊	Mo	98	449.737	0.001	**3.921099**	0.05	1.2	ug/L
⌜	Ag	107	23.333	-0.000	**1.849853**	0.01	0.8	ug/L

|	Ag	109	24.000	-0.000	**2.119152**	0.02	0.7	ug/L
|	Cd	111	16.667	0.000	**1.606310**	0.02	1.1	ug/L
|	Cd	114	34.646	-0.000	**1.334956**	0.03	2.3	ug/L
|>	In	115	335688.683	335688.683				ug/L
|	Sn	120	221.791	-0.001	**2.638925**	0.04	1.5	ug/L
|	Sb	121	1487.455	0.000	**2.337328**	0.09	3.8	ug/L
L	Sb	123	1155.976	-0.000	**2.603231**	0.12	4.8	ug/L
⌈	Ba	135	1669.487	0.003	**16.544305**	0.27	1.6	ug/L
|	Ba	137	2944.477	0.006	**18.101270**	0.19	1.1	ug/L
|	Ce	140	9426.885	0.019	**35757.843909**	338.58	0.9	ug/L
|	Tb	159	484595.481	0.023				ug/L
|>	Ho	165	497323.076	497323.076				ug/L
|	Tl	203	43.333	0.000	**-1.502540**	0.02	1.3	ug/L
|	Tl	205	74.000	0.000	**-0.846680**	0.02	2.0	ug/L
L	Pb	208	1833.406	0.003	**0.653457**	0.05	7.9	ug/L
⌈>	Bi	209	236138.533	236138.533				mg/L
L	U	238	579.352	0.002	**2.682127**	0.02	0.8	ug/L
	Kr	83	44.067	0.800				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		96.362	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		96.052	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	93.232
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	95.529
Tl	203	
Tl	205	
Pb	208	
Bi	209	93.853
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-10A
Sample Date/Time: Friday, January 04, 2013 16:25:44
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-10A.028
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	17378.007	-0.001				ug/L
|	Li	7	5267.526	0.015	**58.119637**	1.53	2.6	ug/L
|	Be	9	17.333	-0.000	**1.164824**	0.16	14.0	ug/L
|	B	11	1883.528	0.006	**78.871245**	0.74	0.9	ug/L
|	Na	23	47733177.078	175.010	**473043.537286**	47832.89	10.1	ug/L
|	Mg	24	4725129.499	17.339	**72602.239483**	3529.22	4.9	ug/L
|	Al	27	2760.419	0.009	**7.695722**	0.14	1.8	ug/L
|	Si	28	1738053.259	6.029	**-11754839.210257**	28841.84	0.2	ug/L
|	K	39	328982.358	1.054	**2243.193146**	32.11	1.4	ug/L
|	Ca	43	56763.449	0.207	**92235.163599**	1658.89	1.8	ug/L
|								ug/L
|	> Sc	45	272552.986	272552.986				ug/L
|	Ti	49	784.701	0.001	**9.536680**	2.28	23.9	ug/L
|	Co	59	141.334	0.000	**1.840075**	0.03	1.4	ug/L
|	Ni	60	762.032	0.003	**6.324212**	0.14	2.2	ug/L
|	Ni	62	122.668	0.000	**3.802934**	0.90	23.6	ug/L
|	Cu	63	1331.431	0.004	**2.185275**	0.20	9.0	ug/L
|	Cu	65	197.335	0.000	**-2.232473**	0.20	9.1	ug/L
|	Zn	66	2048.231	0.006	**16.887535**	1.76	10.4	ug/L
|	Zn	67	5549.694	0.014	**173.423960**	12.01	6.9	ug/L
|	Zn	68	3321.941	0.011	**50.383488**	1.96	3.9	ug/L
|	V	51	-2368.121	-0.006	**-4.092019**	5.37	131.3	ug/L
|	Cr	52	8108.950	0.015	**9.853966**	0.28	2.8	ug/L
|	Cr	53	59539.118	0.120	**442.943146**	28.20	6.4	ug/L
|	Mn	55	3624.722	0.013	**7.020380**	0.07	1.0	ug/L
|	Fe	54	15238.270	0.014	**131.008908**	15.95	12.2	ug/L
⌊	Fe	57	2809.101	0.006	**136.867959**	3.14	2.3	ug/L
⌜	As	75	-494.871	-0.000	**0.419283**	1.94	462.3	ug/L
|	Se	77	6125.399	0.004	**323.364287**	35.11	10.9	ug/L
|	Se	82	21.252	0.000	**13.296160**	0.78	5.9	ug/L
|	Sr	86	110395.659	0.155	**792.127423**	19.88	2.5	ug/L
|	Sr	87	78916.502	0.111	**780.428457**	7.14	0.9	ug/L
|	Sr	88	911923.707	1.284	**764.300124**	6.00	0.8	ug/L
|								ug/L
|	> Y	89	710266.423	710266.423				ug/L
|	Mo	95	295.338	0.000	**5.330733**	0.13	2.3	ug/L
|	Mo	97	201.336	0.000	**3.192226**	0.21	6.6	ug/L
⌊	Mo	98	457.217	0.001	**3.919260**	0.12	3.0	ug/L
⌜	Ag	107	18.667	-0.000	**1.840284**	0.01	0.7	ug/L

|	Ag	109	18.000	-0.000	**2.106587**	0.02	0.8	ug/L
|	Cd	111	18.333	0.000	**1.627082**	0.02	1.0	ug/L
|	Cd	114	41.022	-0.000	**1.366272**	0.06	4.2	ug/L
|>	In	115	327322.665	327322.665				ug/L
|	Sn	120	262.416	-0.001	**2.745161**	0.07	2.6	ug/L
|	Sb	121	1551.466	0.000	**2.618140**	0.12	4.5	ug/L
_	Sb	123	1191.561	0.000	**2.838024**	0.10	3.4	ug/L
⌈	Ba	135	116978.659	0.233	**1240.071120**	22.83	1.8	ug/L
|	Ba	137	200907.617	0.400	**1220.626927**	10.50	0.9	ug/L
|	Ce	140	122.668	0.000	**510.944741**	59.19	11.6	ug/L
|	Tb	159	484431.277	0.013				ug/L
|>	Ho	165	502610.588	502610.588				ug/L
|	Tl	203	31.333	-0.000	**-1.539638**	0.04	2.6	ug/L
|	Tl	205	74.000	0.000	**-0.847469**	0.02	2.4	ug/L
_	Pb	208	639.342	0.001	**-0.441585**	0.05	10.2	ug/L
⌈>	Bi	209	227098.987	227098.987				mg/L
_	U	238	17167.540	0.076	**14.979383**	0.46	3.1	ug/L
	Kr	83	44.400	1.133				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		98.742	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		97.808	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	90.908
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	96.545
Tl	203	
Tl	205	
Pb	208	
Bi	209	90.261
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-11A
Sample Date/Time: Friday, January 04, 2013 16:28:41
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-11A.029
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌈	Li	6	17522.439	-0.000				ug/L
|	Li	7	5549.694	0.016	**62.066786**	1.31	2.1	ug/L
|	Be	9	19.333	-0.000	**1.290286**	0.41	31.9	ug/L
|	B	11	1848.188	0.006	**77.193338**	1.47	1.9	ug/L
|	Na	23	46918220.396	171.909	**464663.626752**	24399.35	5.3	ug/L
|	Mg	24	4561937.871	16.710	**69969.452196**	3262.66	4.7	ug/L
|	Al	27	4099.260	0.014	**14.392163**	1.26	8.8	ug/L
|	Si	28	1756787.537	6.089	**-11869977.958386**	103097.82	0.9	ug/L
|	K	39	316736.498	1.008	**2143.233390**	142.99	6.7	ug/L
|	Ca	43	58123.923	0.212	**94345.194987**	326.08	0.3	ug/L
|								ug/L
| >	Sc	45	272933.909	272933.909				ug/L
|	Ti	49	769.366	0.001	**8.847685**	0.44	5.0	ug/L
|	Co	59	113.334	0.000	**1.773836**	0.05	2.6	ug/L
|	Ni	60	209.336	0.001	**0.258920**	0.19	74.2	ug/L
|	Ni	62	53.334	0.000	**-0.967859**	1.41	145.4	ug/L
|	Cu	63	1369.437	0.004	**2.330724**	0.29	12.4	ug/L
|	Cu	65	237.336	0.001	**-1.913622**	0.29	15.4	ug/L
|	Zn	66	2332.299	0.007	**20.650844**	1.18	5.7	ug/L
|	Zn	67	5887.240	0.015	**199.095488**	20.04	10.1	ug/L
|	Zn	68	3592.710	0.012	**55.147177**	2.15	3.9	ug/L
|	V	51	-2847.217	-0.008	**-5.386339**	2.40	44.5	ug/L
|	Cr	52	6123.395	0.008	**4.063331**	0.57	13.9	ug/L
|	Cr	53	60975.179	0.125	**474.038694**	46.21	9.7	ug/L
|	Mn	55	4132.940	0.014	**7.970339**	0.18	2.3	ug/L
|	Fe	54	14904.991	0.013	**117.082404**	2.47	2.1	ug/L
⌊	Fe	57	2699.735	0.006	**126.331905**	13.59	10.8	ug/L
⌈	As	75	-565.688	-0.000	**-0.101658**	6.76	6651.2	ug/L
|	Se	77	6356.222	0.004	**339.101459**	21.40	6.3	ug/L
|	Se	82	12.757	0.000	**12.371791**	0.81	6.5	ug/L
|	Sr	86	110233.623	0.152	**776.383141**	5.26	0.7	ug/L
|	Sr	87	81063.670	0.112	**787.039478**	9.32	1.2	ug/L
|	Sr	88	929470.657	1.284	**764.708417**	1.22	0.2	ug/L
|								ug/L
| >	Y	89	723459.569	723459.569				ug/L
|	Mo	95	304.005	0.000	**5.348862**	0.26	4.8	ug/L
|	Mo	97	173.335	0.000	**2.866372**	0.01	0.4	ug/L
⌊	Mo	98	473.957	0.001	**3.950601**	0.11	2.9	ug/L
⌈	Ag	107	24.000	-0.000	**1.851164**	0.01	0.5	ug/L

|	Ag	109	24.000	-0.000	**2.119245**	0.01	0.4	ug/L
|	Cd	111	20.833	0.000	**1.646628**	0.01	0.7	ug/L
|	Cd	114	56.823	0.000	**1.428113**	0.06	3.9	ug/L
|>	In	115	336916.106	336916.106				ug/L
|	Sn	120	246.432	-0.001	**2.692166**	0.04	1.4	ug/L
|	Sb	121	1508.125	0.000	**2.380808**	0.15	6.3	ug/L
\L	Sb	123	1128.387	-0.000	**2.493423**	0.16	6.6	ug/L
⌈	Ba	135	118697.748	0.232	**1236.579190**	20.26	1.6	ug/L
|	Ba	137	206714.436	0.404	**1233.938714**	6.91	0.6	ug/L
|	Ce	140	135.334	0.000	**550.481183**	78.62	14.3	ug/L
|	Tb	159	482491.871	-0.008				ug/L
|>	Ho	165	511470.029	511470.029				ug/L
|	Tl	203	33.333	-0.000	**-1.534771**	0.01	0.5	ug/L
|	Tl	205	58.667	-0.000	**-0.867890**	0.01	0.7	ug/L
\L	Pb	208	1074.692	0.002	**-0.065658**	0.03	49.3	ug/L
⌈>	Bi	209	224067.786	224067.786				mg/L
\L	U	238	17194.920	0.077	**15.168765**	0.30	2.0	ug/L
	Kr	83	48.067	4.800				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		98.880	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		99.625	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	93.573
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	98.247
Tl	203	
Tl	205	
Pb	208	
Bi	209	89.056
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-12A
Sample Date/Time: Friday, January 04, 2013 16:37:38
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-12A.030
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18455.594	0.002				ug/L
|	Li	7	3813.466	0.009	**35.993962**	0.50	1.4	ug/L
|	Be	9	26.667	0.000	**1.727583**	0.45	26.0	ug/L
|	B	11	2846.446	0.009	**118.835869**	2.77	2.3	ug/L
|	Na	23	13293778.750	47.734	**129058.591195**	5721.14	4.4	ug/L
|	Mg	24	1079751.450	3.878	**16240.545460**	723.83	4.5	ug/L
|	Al	27	3724.098	0.012	**12.150335**	1.11	9.2	ug/L
|	Si	28	2811082.579	9.751	**-18882824.512328**	285324.50	1.5	ug/L
|	K	39	310516.350	0.963	**2046.692185**	49.19	2.4	ug/L
|	Ca	43	17153.503	0.061	**26761.312718**	235.80	0.9	ug/L
| >	Sc	45	278351.882	278351.882				ug/L
|	Ti	49	688.693	0.001	**4.798738**	1.38	28.7	ug/L
|	Co	59	298.672	0.001	**2.196532**	0.08	3.8	ug/L
|	Ni	60	166.668	0.000	**-0.243697**	0.24	98.0	ug/L
|	Ni	62	70.667	0.000	**0.125164**	0.15	117.4	ug/L
|	Cu	63	557.351	0.001	**-1.045955**	0.22	21.2	ug/L
|	Cu	65	158.668	0.000	**-2.572306**	0.21	8.0	ug/L
|	Zn	66	1505.458	0.004	**9.164987**	0.43	4.6	ug/L
|	Zn	67	4310.357	0.009	**70.566541**	20.26	28.7	ug/L
|	Zn	68	1614.810	0.005	**19.416392**	0.82	4.2	ug/L
|	V	51	-3238.689	-0.009	**-6.212890**	3.70	59.6	ug/L
|	Cr	52	5532.352	0.006	**2.031116**	0.89	43.6	ug/L
|	Cr	53	51815.960	0.088	**244.734508**	103.32	42.2	ug/L
|	Mn	55	112031.437	0.402	**208.000742**	2.59	1.2	ug/L
|	Fe	54	15080.605	0.012	**112.532796**	14.39	12.8	ug/L
⌊	Fe	57	1810.847	0.002	**39.309036**	0.49	1.3	ug/L
⌈	As	75	-572.292	-0.000	**-0.130852**	2.71	2068.0	ug/L
|	Se	77	5683.111	0.003	**246.150465**	45.87	18.6	ug/L
|	Se	82	3.466	0.000	**11.395560**	0.50	4.4	ug/L
|	Sr	86	30566.048	0.042	**217.091013**	2.96	1.4	ug/L
|	Sr	87	23043.350	0.032	**224.147245**	8.12	3.6	ug/L
|	Sr	88	263079.880	0.362	**218.217093**	3.26	1.5	ug/L
| >	Y	89	726427.452	726427.452				ug/L
|	Mo	95	1006.056	0.001	**9.697352**	0.20	2.0	ug/L
|	Mo	97	665.358	0.001	**7.849409**	0.38	4.9	ug/L
⌊	Mo	98	1566.619	0.002	**8.253939**	0.24	2.9	ug/L
⌈	Ag	107	24.000	-0.000	**1.849695**	0.01	0.3	ug/L

|	Ag	109	22.000	-0.000	**2.113149**	0.01	0.5	ug/L
|	Cd	111	11.833	-0.000	**1.554793**	0.01	0.9	ug/L
|	Cd	114	33.956	-0.000	**1.327427**	0.01	0.9	ug/L
|>	In	115	346515.530	346515.530				ug/L
|	Sn	120	285.809	-0.001	**2.762745**	0.05	1.8	ug/L
|	Sb	121	1524.795	0.000	**2.311419**	0.10	4.5	ug/L
|	Sb	123	1210.817	-0.000	**2.664398**	0.08	3.2	ug/L
⌈	Ba	135	24640.683	0.048	**252.731338**	0.82	0.3	ug/L
|	Ba	137	43333.717	0.084	**255.745249**	3.54	1.4	ug/L
|	Ce	140	32.667	0.000	**170.321916**	58.62	34.4	ug/L
|	Tb	159	492230.698	0.000				ug/L
|>	Ho	165	517377.777	517377.777				ug/L
|	Tl	203	22.667	-0.000	**-1.566177**	0.01	0.8	ug/L
|	Tl	205	60.667	-0.000	**-0.866353**	0.01	1.3	ug/L
⌊	Pb	208	243.335	0.000	**-0.804758**	0.01	1.6	ug/L
⌈>	Bi	209	240600.638	240600.638				mg/L
⌊	U	238	496.014	0.002	**2.615880**	0.03	1.1	ug/L
	Kr	83	42.600	-0.667				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		100.843	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		100.034	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	96.239
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	99.381
Tl	203	
Tl	205	
Pb	208	
Bi	209	95.627
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-13A
Sample Date/Time: Friday, January 04, 2013 16:40:35
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-13A.031
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	18329.613	-0.000				
|	Li	7	5613.733	0.015	**59.740183**	1.19	2.0	ug/L
|	Be	9	18.667	-0.000	**1.197098**	0.12	9.7	ug/L
|	B	11	2654.388	0.008	**108.079965**	1.30	1.2	ug/L
|	Na	23	25587052.645	89.902	**243025.579600**	4839.68	2.0	ug/L
|	Mg	24	3794478.444	13.340	**55859.477525**	381.54	0.7	ug/L
|	Al	27	2268.617	0.007	**4.765864**	0.98	20.5	ug/L
|	Si	28	2940607.188	9.991	**-19343556.772620**	295830.20	1.5	ug/L
|	K	39	485007.438	1.551	**3310.946006**	180.25	5.4	ug/L
|	Ca	43	64531.103	0.226	**100542.543938**	1441.05	1.4	ug/L
|								ug/L
| >	Sc	45	284424.147	284424.147				
|	Ti	49	768.699	0.001	**7.495698**	1.10	14.7	ug/L
|	Co	59	574.685	0.002	**2.806190**	0.06	2.0	ug/L
|	Ni	60	299.338	0.001	**1.106558**	0.30	27.5	ug/L
|	Ni	62	80.000	0.000	**0.663064**	1.54	232.4	ug/L
|	Cu	63	908.045	0.003	**0.288146**	0.05	18.9	ug/L
|	Cu	65	222.669	0.000	**-2.101386**	0.26	12.1	ug/L
|	Zn	66	1718.829	0.005	**11.490088**	0.78	6.8	ug/L
|	Zn	67	5352.245	0.012	**140.995056**	24.58	17.4	ug/L
|	Zn	68	2422.990	0.008	**32.610364**	0.84	2.6	ug/L
|	V	51	-3125.040	-0.008	**-5.748997**	2.70	46.9	ug/L
|	Cr	52	6028.001	0.007	**3.070379**	0.53	17.3	ug/L
|	Cr	53	57065.990	0.102	**333.855977**	43.36	13.0	ug/L
|	Mn	55	453463.140	1.594	**823.562126**	8.58	1.0	ug/L
|	Fe	54	16541.206	0.016	**155.083105**	13.50	8.7	ug/L
⌊	Fe	57	3088.526	0.006	**150.930771**	9.99	6.6	ug/L
⌜	As	75	-527.586	-0.000	**0.365266**	2.63	720.7	ug/L
|	Se	77	6060.688	0.004	**270.755523**	16.37	6.0	ug/L
|	Se	82	11.973	0.000	**12.244148**	0.69	5.6	ug/L
|	Sr	86	110058.701	0.147	**748.205293**	15.35	2.1	ug/L
|	Sr	87	79974.177	0.107	**749.589900**	16.92	2.3	ug/L
|	Sr	88	931364.616	1.242	**739.674154**	6.12	0.8	ug/L
|								ug/L
| >	Y	89	749673.468	749673.468				
|	Mo	95	426.677	0.001	**6.017993**	0.28	4.7	ug/L
|	Mo	97	249.337	0.000	**3.554564**	0.19	5.5	ug/L
⌊	Mo	98	651.457	0.001	**4.564808**	0.14	3.0	ug/L
⌜	Ag	107	22.667	-0.000	**1.846872**	0.02	1.1	ug/L

|	Ag	109	21.333	-0.000	**2.111894**	0.02	1.0	ug/L
|	Cd	111	15.333	-0.000	**1.588459**	0.03	2.1	ug/L
|	Cd	114	42.496	-0.000	**1.362661**	0.02	1.2	ug/L
|>	In	115	345900.488	345900.488				ug/L
|	Sn	120	257.065	-0.001	**2.701186**	0.02	0.7	ug/L
|	Sb	121	1492.123	0.000	**2.232110**	0.12	5.2	ug/L
L	Sb	123	1159.389	-0.000	**2.496720**	0.15	6.1	ug/L
Γ	Ba	135	60381.241	0.114	**609.075239**	12.54	2.1	ug/L
|	Ba	137	105130.426	0.199	**608.240957**	5.45	0.9	ug/L
|	Ce	140	68.000	0.000	**294.190391**	50.19	17.1	ug/L
|	Tb	159	498003.881	-0.008				ug/L
|>	Ho	165	527744.229	527744.229				ug/L
|	Tl	203	28.667	-0.000	**-1.550759**	0.01	0.8	ug/L
|	Tl	205	62.667	-0.000	**-0.865420**	0.01	1.6	ug/L
L	Pb	208	1759.399	0.003	**0.493649**	0.10	19.6	ug/L
Γ>	Bi	209	238429.641	238429.641				mg/L
L	U	238	2164.258	0.009	**3.795281**	0.05	1.3	ug/L
	Kr	83	46.067	2.800				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		103.043	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		103.235	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	96.068
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	101.373
Tl	203	
Tl	205	
Pb	208	
Bi	209	94.764
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Friday, January 04, 2013 17:07:48
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\QC Std 4.032
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	18318.387	-0.001				ug/L
|	Li	7	39412.011	0.133	**104.497550**	0.96	0.9	ug/L
|	Be	9	8487.299	0.030	**103.472069**	3.16	3.1	ug/L
|	B	11	12080.028	0.041	**100.728251**	0.70	0.7	ug/L
|	Na	23	2710256.485	9.433	**5108.406410**	188.28	3.7	ug/L
|	Mg	24	1709343.555	5.963	**4993.932675**	142.57	2.9	ug/L
|	Al	27	5563248.857	19.418	**5315.966340**	134.44	2.5	ug/L
|	Si	28	64853.245	-0.122	**5046.458065**	1346.50	26.7	ug/L
|	K	39	3447055.818	11.870	**5094.433106**	245.20	4.8	ug/L
|	Ca	43	16977.204	0.058	**5135.638497**	114.96	2.2	ug/L
|								ug/L
| >	Sc	45	286650.429	286650.429				ug/L
|	Ti	49	12961.247	0.043	**101.445916**	3.29	3.2	ug/L
|	Co	59	220900.556	0.771	**99.356990**	1.96	2.0	ug/L
|	Ni	60	48755.215	0.170	**101.264390**	1.79	1.8	ug/L
|	Ni	62	7621.870	0.026	**98.646619**	3.16	3.2	ug/L
|	Cu	63	126649.137	0.441	**98.302766**	1.69	1.7	ug/L
|	Cu	65	65359.784	0.228	**99.432879**	1.15	1.2	ug/L
|	Zn	66	42425.615	0.147	**106.132710**	2.17	2.0	ug/L
|	Zn	67	9591.745	0.027	**89.931475**	9.17	10.2	ug/L
|	Zn	68	32288.029	0.112	**107.469332**	2.47	2.3	ug/L
|	V	51	205538.616	0.719	**100.933166**	1.87	1.9	ug/L
|	Cr	52	186687.631	0.637	**100.461308**	1.92	1.9	ug/L
|	Cr	53	57318.332	0.102	**65.923478**	19.87	30.1	ug/L
|	Mn	55	277032.181	0.966	**99.882108**	1.68	1.7	ug/L
|	Fe	54	699294.591	2.397	**5117.554789**	83.56	1.6	ug/L
⌊	Fe	57	289821.906	1.007	**5163.253154**	31.02	0.6	ug/L
⌜	As	75	56427.121	0.075	**97.969119**	2.57	2.6	ug/L
|	Se	77	22738.425	0.025	**480.200242**	4.49	0.9	ug/L
|	Se	82	24376.294	0.032	**489.735877**	1.17	0.2	ug/L
|	Sr	86	72439.876	0.096	**97.749728**	1.25	1.3	ug/L
|	Sr	87	53257.285	0.070	**98.928695**	0.78	0.8	ug/L
|	Sr	88	621735.275	0.820	**97.972776**	2.42	2.5	ug/L
|								ug/L
| >	Y	89	757129.181	757129.181				ug/L
|	Mo	95	81765.838	0.108	**97.957667**	0.78	0.8	ug/L
|	Mo	97	50632.054	0.067	**98.824017**	0.18	0.2	ug/L
⌊	Mo	98	128719.974	0.170	**97.817457**	1.44	1.5	ug/L
⌜	Ag	107	240247.830	0.665	**100.654714**	0.51	0.5	ug/L

|	Ag	109	235748.568	0.652	**101.000791**	1.67	1.7	ug/L
|	Cd	111	55833.300	0.155	**102.671386**	0.35	0.3	ug/L
|	Cd	114	127649.924	0.353	**100.845905**	2.72	2.7	ug/L
|>	In	115	361236.739	361236.739				ug/L
|	Sn	120	236138.327	0.652	**100.040569**	2.96	3.0	ug/L
|	Sb	121	200845.330	0.552	**100.868851**	2.77	2.7	ug/L
|	Sb	123	151971.841	0.417	**99.031940**	1.71	1.7	ug/L
⌈	Ba	135	50825.132	0.097	**103.457686**	1.78	1.7	ug/L
|	Ba	137	88712.354	0.170	**103.618312**	0.37	0.4	ug/L
|	Ce	140	156.001	0.000	**122.784667**	4.74	3.9	ug/L
|	Tb	159	504593.308	0.014				ug/L
|>	Ho	165	522820.446	522820.446				ug/L
|	Tl	203	183419.332	0.351	**102.716813**	0.58	0.6	ug/L
|	Tl	205	427762.137	0.818	**101.670643**	1.27	1.2	ug/L
⌊	Pb	208	589717.290	1.128	**102.087382**	0.48	0.5	ug/L
⌈>	Bi	209	249198.869	249198.869				mg/L
⌊	U	238	738186.838	2.962	**100.030765**	1.59	1.6	ug/L
	Kr	83	46.000	2.733				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7	104.498		
Be	9	103.472		
B	11	100.728		
Na	23	102.168		
Mg	24	99.879		
Al	27	104.235		
Si	28	100.929		
K	39	101.889		
Ca	43	102.713		
Sc	45		103.849	
Ti	49	101.446		
Co	59	99.357		
Ni	60	101.264		
Ni	62	98.647		
Cu	63	98.303		
Cu	65	99.433		
Zn	66	106.133		
Zn	67	89.931		
Zn	68	107.469		
V	51	100.933		
Cr	52	100.461		
Cr	53	65.923		
Mn	55	99.882		
Fe	54	102.351		
Fe	57	103.265		
As	75	97.969		
Se	77	96.040		
Se	82	97.947		
Sr	86	97.750		
Sr	87	98.929		
Sr	88	97.973		
Y	89		104.262	
Mo	95	97.958		

Mo	97	98.824	
Mo	98	97.817	
Ag	107	100.655	
Ag	109	101.001	
Cd	111	102.671	
Cd	114	100.846	
In	115		100.327
Sn	120	100.041	
Sb	121	100.869	
Sb	123	99.032	
Ba	135	103.458	
Ba	137	103.618	
Ce	140	122.785	
Tb	159		
Ho	165		100.427
Tl	203	102.717	
Tl	205	101.671	
Pb	208	102.087	
Bi	209		99.044
U	238	100.031	
Kr	83		

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Friday, January 04, 2013 17:10:47
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\QC Std 6.033
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18064.082	0.001				ug/L
|	Li	7	1300.760	0.000	**0.143051**	0.20	140.0	ug/L
|	Be	9	21.333	0.000	**0.281362**	0.04	14.0	ug/L
|	B	11	264.671	0.000	**1.426464**	0.16	11.5	ug/L
|	Na	23	8937.728	0.003	**11.048447**	0.99	9.0	ug/L
|	Mg	24	900.045	0.001	**2.034770**	0.31	15.1	ug/L
|	Al	27	2178.595	0.007	**0.935509**	0.19	20.5	ug/L
|	Si	28	59419.567	-0.132	**9026.177514**	1389.81	15.4	ug/L
|	K	39	42901.315	0.003	**-2.806690**	5.33	190.0	ug/L
|	Ca	43	534.682	0.001	**21.959587**	18.30	83.3	ug/L
|>	Sc	45	275246.608	275246.608				ug/L
|	Ti	49	574.018	0.000	**0.047488**	0.30	637.4	ug/L
|	Co	59	61.334	0.000	**0.329757**	0.02	5.5	ug/L
|	Ni	60	70.667	0.000	**-0.252904**	0.03	12.6	ug/L
|	Ni	62	57.334	0.000	**-0.145360**	0.09	60.1	ug/L
|	Cu	63	223.336	0.000	**-0.475646**	0.01	2.6	ug/L
|	Cu	65	114.667	0.000	**-0.581845**	0.01	1.8	ug/L
|	Zn	66	1068.063	0.002	**0.712403**	0.17	23.2	ug/L
|	Zn	67	3683.413	0.007	**5.265222**	2.61	49.6	ug/L
|	Zn	68	850.707	0.002	**1.258831**	0.33	26.5	ug/L
|	V	51	-1594.030	-0.003	**-0.410016**	0.83	203.5	ug/L
|	Cr	52	4769.919	0.003	**0.001790**	0.06	3135.7	ug/L
|	Cr	53	43565.548	0.060	**14.734391**	10.33	70.1	ug/L
|	Mn	55	431.344	0.001	**0.191917**	0.02	10.9	ug/L
|	Fe	54	11906.669	0.001	**-0.813693**	1.98	243.0	ug/L
⌊	Fe	57	1288.758	0.000	**-1.509407**	0.84	55.4	ug/L
⌈	As	75	-345.706	0.000	**0.364270**	0.34	94.1	ug/L
|	Se	77	4254.329	0.001	**13.527121**	1.80	13.3	ug/L
|	Se	82	1.328	0.000	**2.237188**	0.09	3.9	ug/L
|	Sr	86	32.856	0.000	**0.777302**	0.04	4.7	ug/L
|	Sr	87	59.870	0.000	**0.451252**	0.02	4.7	ug/L
|	Sr	88	502.014	0.000	**0.808803**	0.00	0.3	ug/L
|>	Y	89	710208.777	710208.777				ug/L
|	Mo	95	51.333	0.000	**0.756447**	0.01	0.8	ug/L
|	Mo	97	46.000	0.000	**0.315499**	0.01	2.5	ug/L
⌊	Mo	98	63.653	0.000	**0.466177**	0.02	3.2	ug/L
⌈	Ag	107	52.667	0.000	**0.382283**	0.01	1.6	ug/L

|	Ag	109	46.000	0.000	**0.433135**	0.00	0.9	ug/L
|	Cd	111	16.167	0.000	**0.319010**	0.01	2.1	ug/L
|	Cd	114	36.302	-0.000	**0.267351**	0.01	4.4	ug/L
|>	In	115	349467.924	349467.924				ug/L
|	Sn	120	609.749	-0.000	**0.693236**	0.02	3.6	ug/L
|	Sb	121	1721.497	0.001	**0.557393**	0.03	5.2	ug/L
L	Sb	123	1330.079	0.000	**0.606154**	0.02	4.0	ug/L
⌈	Ba	135	44.000	0.000	**-0.182396**	0.03	14.5	ug/L
|	Ba	137	78.000	0.000	**0.097219**	0.01	12.8	ug/L
|	Ce	140	17.333	0.000	**23.043089**	3.89	16.9	ug/L
|	Tb	159	486021.941	-0.006				ug/L
|>	Ho	165	514417.705	514417.705				ug/L
|	Tl	203	84.667	0.000	**-0.277509**	0.01	4.2	ug/L
|	Tl	205	146.668	0.000	**-0.152405**	0.00	2.0	ug/L
L	Pb	208	213.334	0.000	**-0.165972**	0.00	1.3	ug/L
⌈>	Bi	209	247235.974	247235.974				mg/L
L	U	238	94.000	0.000	**0.466687**	0.00	0.5	ug/L
	Kr	83	43.267	-0.000				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		99.718	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		97.800	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	97.059
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	98.813
Tl	203	
Tl	205	
Pb	208	
Bi	209	98.264
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-15A
Sample Date/Time: Friday, January 04, 2013 17:15:13
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-15A.034
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
	Li	6	18545.665	0.002				ug/L
	Li	7	1435.447	0.001	**2.300021**	1.38	60.1	ug/L
	Be	9	16.667	-0.000	**1.102084**	0.44	40.3	ug/L
	B	11	3137.209	0.010	**130.612101**	2.49	1.9	ug/L
	Na	23	7250123.060	25.874	**69976.790546**	5882.35	8.4	ug/L
	Mg	24	8136.977	0.027	**118.281967**	5.66	4.8	ug/L
	Al	27	76815.408	0.273	**369.401569**	5.05	1.4	ug/L
	Si	28	1866290.769	6.319	**-12309760.141102**	188723.68	1.5	ug/L
	K	39	115227.656	0.259	**534.558915**	27.89	5.2	ug/L
	Ca	43	4269.004	0.014	**6049.133653**	177.49	2.9	ug/L
>	Sc	45	279917.505	279917.505				ug/L
	Ti	49	1221.416	0.003	**27.033879**	2.59	9.6	ug/L
	Co	59	229.336	0.001	**2.034539**	0.04	1.9	ug/L
	Ni	60	199.336	0.001	**0.096006**	0.08	83.1	ug/L
	Ni	62	68.000	0.000	**-0.063776**	0.93	1458.6	ug/L
	Cu	63	6851.920	0.024	**24.122907**	1.01	4.2	ug/L
	Cu	65	3433.984	0.012	**23.125068**	1.14	4.9	ug/L
	Zn	66	1769.506	0.005	**12.527850**	0.95	7.6	ug/L
	Zn	67	4176.962	0.008	**58.973193**	25.68	43.6	ug/L
	Zn	68	1413.444	0.004	**15.749655**	1.50	9.5	ug/L
	V	51	543.574	0.005	**3.348446**	4.81	143.7	ug/L
	Cr	52	5799.183	0.006	**2.713347**	0.79	29.1	ug/L
	Cr	53	48816.315	0.076	**173.885713**	86.63	49.8	ug/L
	Mn	55	2880.457	0.009	**5.464884**	0.23	4.2	ug/L
	Fe	54	19880.423	0.029	**292.201755**	10.65	3.6	ug/L
	Fe	57	3606.049	0.009	**203.152895**	10.77	5.3	ug/L
	As	75	-114.445	0.000	**3.937687**	1.29	32.7	ug/L
	Se	77	5156.130	0.003	**174.451467**	26.81	15.4	ug/L
	Se	82	4.063	0.000	**11.477975**	0.45	3.9	ug/L
	Sr	86	3322.456	0.005	**26.806095**	1.08	4.0	ug/L
	Sr	87	2424.650	0.003	**25.052398**	1.18	4.7	ug/L
	Sr	88	27944.920	0.038	**26.390929**	0.77	2.9	ug/L
>	Y	89	727720.132	727720.132				ug/L
	Mo	95	531.349	0.001	**6.742535**	0.10	1.5	ug/L
	Mo	97	335.340	0.000	**4.507627**	0.39	8.7	ug/L
	Mo	98	867.402	0.001	**5.494644**	0.21	3.8	ug/L
	Ag	107	50.667	0.000	**1.905613**	0.02	1.2	ug/L

|	Ag	109	48.667	0.000	**2.171190**	0.01	0.5	ug/L
|	Cd	111	30.333	0.000	**1.729312**	0.03	1.9	ug/L
|	Cd	114	88.140	0.000	**1.543387**	0.06	3.6	ug/L
|>	In	115	350495.039	350495.039				ug/L
|	Sn	120	371.829	-0.001	**2.943575**	0.08	2.8	ug/L
|	Sb	121	1686.823	0.001	**2.697413**	0.28	10.4	ug/L
L	Sb	123	1367.007	0.000	**3.147497**	0.11	3.5	ug/L
Γ	Ba	135	1484.788	0.003	**13.812596**	0.41	3.0	ug/L
|	Ba	137	2527.018	0.005	**14.803959**	0.31	2.1	ug/L
|	Ce	140	16785.498	0.032	**60612.729502**	1173.39	1.9	ug/L
|	Tb	159	494744.015	-0.004				ug/L
|>	Ho	165	522355.074	522355.074				ug/L
|	Tl	203	42.000	0.000	**-1.511623**	0.03	1.7	ug/L
|	Tl	205	85.334	0.000	**-0.837321**	0.04	4.5	ug/L
L	Pb	208	7293.143	0.014	**5.318160**	0.17	3.2	ug/L
Γ>	Bi	209	245584.541	245584.541				mg/L
L	U	238	2202.934	0.009	**3.777815**	0.02	0.6	ug/L
	Kr	83	43.067	-0.200				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		101.410	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		100.212	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	97.344
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.338
Tl	203	
Tl	205	
Pb	208	
Bi	209	97.608
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-16A
Sample Date/Time: Friday, January 04, 2013 17:18:10
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-16A.035
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌈	Li	6	18539.181	-0.000				
|	Li	7	2058.900	0.003	**10.233959**	0.74	7.2	ug/L
|	Be	9	19.333	-0.000	**1.215453**	0.45	37.4	ug/L
|	B	11	2200.933	0.007	**87.607679**	0.80	0.9	ug/L
|	Na	23	8249213.059	28.627	**77415.882155**	5060.91	6.5	ug/L
|	Mg	24	16949.128	0.057	**243.013371**	14.84	6.1	ug/L
|	Al	27	10434.328	0.035	**43.378287**	0.98	2.3	ug/L
|	Si	28	2253177.897	7.474	**-14522365.739033**	374678.43	2.6	ug/L
|	K	39	73664.188	0.103	**200.171311**	22.82	11.4	ug/L
|	Ca	43	1138.738	0.003	**1007.467366**	164.25	16.3	ug/L
								ug/L
| >	Sc	45	288207.980	288207.980				
|	Ti	49	782.700	0.001	**7.648355**	1.06	13.8	ug/L
|	Co	59	58.667	0.000	**1.637912**	0.01	0.8	ug/L
|	Ni	60	101.334	0.000	**-0.982225**	0.11	11.7	ug/L
|	Ni	62	68.000	0.000	**-0.198909**	1.33	669.0	ug/L
|	Cu	63	498.014	0.001	**-1.353161**	0.05	3.5	ug/L
|	Cu	65	180.002	0.000	**-2.453067**	0.06	2.5	ug/L
|	Zn	66	3072.519	0.009	**28.419966**	1.97	6.9	ug/L
|	Zn	67	4974.698	0.010	**108.589690**	33.07	30.5	ug/L
|	Zn	68	2333.633	0.007	**30.601773**	2.62	8.6	ug/L
|	V	51	-1119.712	-0.001	**-0.822641**	2.45	297.9	ug/L
|	Cr	52	6104.051	0.007	**3.063492**	0.48	15.7	ug/L
|	Cr	53	54169.054	0.090	**256.661787**	68.80	26.8	ug/L
|	Mn	55	3063.183	0.010	**5.648593**	0.42	7.4	ug/L
|	Fe	54	15393.690	0.011	**104.592258**	14.90	14.2	ug/L
⌊	Fe	57	1580.804	0.001	**13.061168**	2.97	22.8	ug/L
⌈	As	75	-505.939	-0.000	**0.510419**	1.63	320.2	ug/L
|	Se	77	5513.006	0.003	**211.479138**	41.47	19.6	ug/L
|	Se	82	3.046	0.000	**11.350194**	0.24	2.1	ug/L
|	Sr	86	3453.393	0.005	**27.379531**	0.24	0.9	ug/L
|	Sr	87	2469.105	0.003	**25.113151**	0.55	2.2	ug/L
|	Sr	88	28734.697	0.039	**26.683022**	0.45	1.7	ug/L
								ug/L
| >	Y	89	738268.216	738268.216				
|	Mo	95	327.339	0.000	**5.453726**	0.01	0.2	ug/L
|	Mo	97	218.003	0.000	**3.277698**	0.15	4.4	ug/L
⌊	Mo	98	476.268	0.001	**3.921775**	0.12	3.0	ug/L
⌈	Ag	107	31.333	0.000	**1.864882**	0.01	0.6	ug/L

|	Ag	109	24.000	-0.000	**2.116793**	0.01	0.3	ug/L
|	Cd	111	17.667	0.000	**1.608747**	0.02	1.1	ug/L
|	Cd	114	46.781	0.000	**1.376991**	0.02	1.2	ug/L
|>	In	115	351257.787	351257.787				ug/L
|	Sn	120	229.107	-0.001	**2.632827**	0.05	2.0	ug/L
|	Sb	121	1550.132	0.000	**2.321057**	0.06	2.4	ug/L
L	Sb	123	1236.485	-0.000	**2.694359**	0.05	2.0	ug/L
⌈	Ba	135	2056.233	0.004	**19.253210**	0.83	4.3	ug/L
|	Ba	137	3598.045	0.007	**20.669218**	0.44	2.1	ug/L
|	Ce	140	318.006	0.001	**1177.800813**	97.33	8.3	ug/L
|	Tb	159	505580.411	-0.001				ug/L
|>	Ho	165	532166.427	532166.427				ug/L
|	Tl	203	41.333	0.000	**-1.516324**	0.03	1.9	ug/L
|	Tl	205	77.334	0.000	**-0.848703**	0.02	2.1	ug/L
L	Pb	208	606.008	0.001	**-0.501297**	0.04	7.8	ug/L
⌈>	Bi	209	247578.052	247578.052				mg/L
L	U	238	46.667	0.000	**2.301195**	0.00	0.2	ug/L
	Kr	83	45.133	1.867				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		104.413	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		101.664	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	97.556
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	102.222
Tl	203	
Tl	205	
Pb	208	
Bi	209	98.400
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-18A
Sample Date/Time: Friday, January 04, 2013 17:21:05
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-18A.036
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌈	Li	6	18659.237	0.001				
|	Li	7	2052.899	0.003	**10.691491**	1.20	11.2	ug/L
|	Be	9	14.000	-0.000	**0.916828**	0.24	26.2	ug/L
|	B	11	2118.248	0.007	**85.859003**	7.80	9.1	ug/L
|	Na	23	8218894.730	29.061	**78589.620776**	3412.22	4.3	ug/L
|	Mg	24	13076.090	0.044	**190.117481**	10.34	5.4	ug/L
|	Al	27	5681.776	0.019	**21.354843**	0.96	4.5	ug/L
|	Si	28	2227439.757	7.533	**-14636132.418251**	55742.37	0.4	ug/L
|	K	39	75176.577	0.113	**222.514012**	31.11	14.0	ug/L
|	Ca	43	1038.726	0.003	**881.629782**	78.11	8.9	ug/L
|								ug/L
| >	Sc	45	282632.676	282632.676				
|	Ti	49	776.033	0.001	**7.986943**	0.65	8.2	ug/L
|	Co	59	54.667	0.000	**1.631368**	0.01	0.6	ug/L
|	Ni	60	78.667	0.000	**-1.202721**	0.09	7.4	ug/L
|	Ni	62	60.000	0.000	**-0.664751**	1.35	203.0	ug/L
|	Cu	63	460.012	0.001	**-1.466013**	0.18	12.2	ug/L
|	Cu	65	122.668	0.000	**-2.871313**	0.15	5.2	ug/L
|	Zn	66	1376.104	0.003	**7.191589**	0.61	8.4	ug/L
|	Zn	67	4973.362	0.011	**114.922559**	13.89	12.1	ug/L
|	Zn	68	1129.404	0.003	**10.660517**	1.05	9.9	ug/L
|	V	51	-2193.586	-0.005	**-3.501094**	1.25	35.8	ug/L
|	Cr	52	6038.005	0.007	**3.212636**	0.61	19.1	ug/L
|	Cr	53	57086.765	0.104	**342.153315**	48.83	14.3	ug/L
|	Mn	55	2671.059	0.009	**5.031757**	0.09	1.8	ug/L
|	Fe	54	15075.012	0.011	**103.569473**	10.42	10.1	ug/L
⌊	Fe	57	1520.127	0.001	**10.448894**	7.97	76.3	ug/L
⌈	As	75	-553.995	-0.000	**-0.018888**	1.16	6160.7	ug/L
|	Se	77	5849.882	0.004	**272.832880**	19.47	7.1	ug/L
|	Se	82	1.396	0.000	**11.187098**	0.07	0.6	ug/L
|	Sr	86	2544.198	0.004	**21.533664**	0.89	4.2	ug/L
|	Sr	87	1885.128	0.003	**19.973652**	0.07	0.3	ug/L
|	Sr	88	21327.664	0.029	**21.128487**	0.15	0.7	ug/L
|								ug/L
| >	Y	89	721778.479	721778.479				
|	Mo	95	278.671	0.000	**5.196320**	0.23	4.4	ug/L
|	Mo	97	180.668	0.000	**2.945590**	0.23	7.7	ug/L
|	Mo	98	414.621	0.001	**3.718349**	0.16	4.3	ug/L
⌊	Mo	98	414.621	0.001	**3.718349**	0.16	4.3	ug/L
⌈	Ag	107	20.667	-0.000	**1.841956**	0.03	1.4	ug/L

|	Ag	109	20.667	-0.000	**2.109629**	0.02	0.9	ug/L
|	Cd	111	16.167	0.000	**1.594740**	0.04	2.6	ug/L
|	Cd	114	42.338	-0.000	**1.359693**	0.02	1.6	ug/L
|>	In	115	350564.630	350564.630				ug/L
|	Sn	120	270.476	-0.001	**2.722970**	0.03	1.0	ug/L
|	Sb	121	1529.462	0.000	**2.276294**	0.06	2.5	ug/L
|	Sb	123	1194.149	-0.000	**2.560962**	0.11	4.1	ug/L
⌈	Ba	135	1682.156	0.003	**15.970325**	1.03	6.5	ug/L
|	Ba	137	2837.776	0.005	**16.753159**	0.39	2.3	ug/L
|	Ce	140	317.339	0.001	**1205.677694**	63.65	5.3	ug/L
|	Tb	159	497240.742	0.008				ug/L
|>	Ho	165	518098.025	518098.025				ug/L
|	Tl	203	44.000	0.000	**-1.505790**	0.02	1.3	ug/L
|	Tl	205	61.334	-0.000	**-0.865443**	0.01	1.4	ug/L
⌊	Pb	208	1372.707	0.002	**0.182679**	0.04	19.5	ug/L
⌈>	Bi	209	242589.456	242589.456				mg/L
⌊	U	238	36.000	0.000	**2.294507**	0.01	0.2	ug/L
	Kr	83	43.067	-0.200				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		102.394	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		99.394	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	97.363
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	99.520
Tl	203	
Tl	205	
Pb	208	
Bi	209	96.417
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-19A
Sample Date/Time: Friday, January 04, 2013 17:24:01
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-19A.037
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌈	Li	6	18020.088	0.000				
|	Li	7	4597.829	0.012	**47.159179**	1.73	3.7	ug/L
|	Be	9	20.000	-0.000	**1.310059**	0.34	25.6	ug/L
|	B	11	1178.743	0.003	**46.679830**	1.55	3.3	ug/L
|	Na	23	11890242.242	42.750	**115586.735682**	5480.84	4.7	ug/L
|	Mg	24	3691145.592	13.280	**55605.835238**	3143.01	5.7	ug/L
|	Al	27	1783.509	0.005	**2.617630**	0.81	31.1	ug/L
|	Si	28	2468816.676	8.532	**-16548829.887656**	245757.76	1.5	ug/L
|	K	39	194835.999	0.548	**1156.707853**	90.74	7.8	ug/L
|	Ca	43	70731.728	0.253	**112848.898719**	3816.24	3.4	ug/L
|								ug/L
| >	Sc	45	277999.789	277999.789				
|	Ti	49	794.702	0.001	**9.305734**	2.30	24.8	ug/L
|	Co	59	169.335	0.000	**1.898167**	0.07	3.5	ug/L
|	Ni	60	371.341	0.001	**1.958068**	0.06	3.0	ug/L
|	Ni	62	77.334	0.000	**0.572524**	1.50	261.4	ug/L
|	Cu	63	629.355	0.002	**-0.753398**	0.22	29.7	ug/L
|	Cu	65	236.003	0.001	**-1.959530**	0.05	2.3	ug/L
|	Zn	66	1908.200	0.005	**14.488813**	0.46	3.1	ug/L
|	Zn	67	5869.896	0.014	**189.218549**	14.94	7.9	ug/L
|	Zn	68	3900.838	0.013	**59.325873**	2.20	3.7	ug/L
|	V	51	-3103.220	-0.009	**-5.853121**	5.16	88.1	ug/L
|	Cr	52	5942.610	0.007	**3.217710**	0.53	16.5	ug/L
|	Cr	53	58101.101	0.111	**384.931136**	19.33	5.0	ug/L
|	Mn	55	34112.623	0.122	**63.509973**	2.30	3.6	ug/L
|	Fe	54	25143.458	0.048	**499.904060**	9.25	1.9	ug/L
⌊	Fe	57	7115.456	0.021	**529.018176**	31.91	6.0	ug/L
⌈	As	75	-656.333	-0.000	**-0.875340**	2.42	276.7	ug/L
|	Se	77	5998.646	0.004	**286.409748**	29.83	10.4	ug/L
|	Se	82	6.297	0.000	**11.688169**	0.75	6.4	ug/L
|	Sr	86	112599.760	0.155	**788.471099**	24.71	3.1	ug/L
|	Sr	87	81191.197	0.112	**783.720731**	27.07	3.5	ug/L
|	Sr	88	934253.363	1.283	**764.044510**	2.79	0.4	ug/L
|								ug/L
| >	Y	89	727822.885	727822.885				
|	Mo	95	240.670	0.000	**4.945710**	0.08	1.6	ug/L
|	Mo	97	163.335	0.000	**2.756155**	0.14	5.1	ug/L
⌊	Mo	98	345.148	0.000	**3.433217**	0.07	2.0	ug/L
⌈	Ag	107	24.667	-0.000	**1.851133**	0.01	0.7	ug/L

|	Ag	109	16.667	-0.000	**2.101398**	0.01	0.3	ug/L
|	Cd	111	26.000	0.000	**1.690080**	0.03	1.6	ug/L
|	Cd	114	78.592	0.000	**1.510841**	0.05	3.5	ug/L
|>	In	115	346560.855	346560.855				ug/L
|	Sn	120	247.757	-0.001	**2.679763**	0.03	1.2	ug/L
|	Sb	121	1522.128	0.000	**2.304245**	0.17	7.3	ug/L
|	Sb	123	1161.641	-0.000	**2.498936**	0.32	12.7	ug/L
⌈	Ba	135	151898.092	0.289	**1541.895231**	15.04	1.0	ug/L
|	Ba	137	262191.048	0.499	**1524.596247**	26.33	1.7	ug/L
|	Ce	140	145.335	0.000	**572.354250**	35.40	6.2	ug/L
|	Tb	159	506594.747	0.013				ug/L
|>	Ho	165	525199.213	525199.213				ug/L
|	Tl	203	30.000	-0.000	**-1.546831**	0.01	0.8	ug/L
|	Tl	205	63.334	-0.000	**-0.864106**	0.02	2.9	ug/L
⌊	Pb	208	1347.373	0.002	**0.145193**	0.00	0.5	ug/L
⌈>	Bi	209	237130.933	237130.933				mg/L
⌊	U	238	5607.731	0.024	**6.243937**	0.08	1.3	ug/L
	Kr	83	47.200	3.933				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		100.715	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		100.226	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	96.251
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.884
Tl	203	
Tl	205	
Pb	208	
Bi	209	94.248
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-20A
Sample Date/Time: Friday, January 04, 2013 17:26:57
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-20A.038
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
								ug/L
	Li	6	18294.967	0.002	**8.080521**	1.56	19.4	ug/L
	Li	7	1821.516	0.002	**1.319551**	0.16	12.0	ug/L
	Be	9	20.000	-0.000	**133.435379**	3.60	2.7	ug/L
	B	11	3159.216	0.011	**63604.901720**	1866.33	2.9	ug/L
	Na	23	6503887.923	23.517	**3220.292429**	110.30	3.4	ug/L
	Mg	24	212624.607	0.768	**7.690049**	0.92	12.0	ug/L
	Al	27	2795.431	0.009	**-13042200.710089**	124188.53	1.0	ug/L
	Si	28	1947386.659	6.701	**947.463167**	30.50	3.2	ug/L
	K	39	166783.685	0.451	**6403.553123**	354.68	5.5	ug/L
	Ca	43	4429.080	0.015				ug/L
>	Sc	45	276303.331	276303.331	**7.799781**	0.95	12.2	ug/L
	Ti	49	754.031	0.001	**1.746258**	0.03	1.5	ug/L
	Co	59	102.667	0.000	**-0.606460**	0.01	1.8	ug/L
	Ni	60	132.001	0.000	**-1.191018**	0.46	38.3	ug/L
	Ni	62	50.667	0.000	**-1.534545**	0.11	7.2	ug/L
	Cu	63	432.677	0.001	**-2.650365**	0.23	8.8	ug/L
	Cu	65	148.001	0.000	**12.793679**	1.53	12.0	ug/L
	Zn	66	1766.839	0.005	**140.491809**	23.09	16.4	ug/L
	Zn	67	5190.816	0.012	**17.382403**	1.20	6.9	ug/L
	Zn	68	1486.788	0.005	**-3.882105**	3.28	84.4	ug/L
	V	51	-2289.073	-0.006	**4.244595**	0.39	9.2	ug/L
	Cr	52	6263.491	0.008	**425.791680**	36.00	8.5	ug/L
	Cr	53	59562.523	0.117	**26.224332**	0.60	2.3	ug/L
	Mn	55	13952.042	0.050	**261.677595**	36.23	13.8	ug/L
	Fe	54	18813.699	0.026	**176.268976**	9.06	5.1	ug/L
	Fe	57	3270.588	0.007	**7.912509**	1.83	23.1	ug/L
	As	75	324.470	0.001	**289.665646**	18.47	6.4	ug/L
	Se	77	5975.298	0.004	**11.334225**	0.01	0.1	ug/L
	Se	82	2.794	0.000	**50.715774**	0.38	0.8	ug/L
	Sr	86	6697.370	0.009	**50.285712**	0.42	0.8	ug/L
	Sr	87	5006.061	0.007	**49.631901**	0.38	0.8	ug/L
	Sr	88	56048.248	0.077				ug/L
>	Y	89	721740.834	721740.834	**8.001145**	0.39	4.9	ug/L
	Mo	95	728.696	0.001	**5.288366**	0.04	0.8	ug/L
	Mo	97	410.009	0.001	**6.677478**	0.15	2.3	ug/L
	Mo	98	1159.882	0.002	**1.838161**	0.00	0.1	ug/L
	Ag	107	18.667	-0.000				

|	Ag	109	16.000	-0.000	**2.099911**	0.02	0.8	ug/L
|	Cd	111	17.167	0.000	**1.606583**	0.02	1.0	ug/L
|	Cd	114	37.186	-0.000	**1.340781**	0.06	4.6	ug/L
|>	In	115	345165.334	345165.334				ug/L
|	Sn	120	238.347	-0.001	**2.661027**	0.04	1.4	ug/L
|	Sb	121	1488.789	0.000	**2.232764**	0.19	8.6	ug/L
L	Sb	123	1173.554	-0.000	**2.554058**	0.06	2.3	ug/L
Γ	Ba	135	3902.838	0.007	**38.842798**	0.26	0.7	ug/L
|	Ba	137	6905.958	0.013	**40.738190**	1.61	3.9	ug/L
|	Ce	140	97.334	0.000	**405.395831**	86.83	21.4	ug/L
|	Tb	159	496967.262	0.008				ug/L
|>	Ho	165	517863.587	517863.587				ug/L
|	Tl	203	35.333	-0.000	**-1.530331**	0.02	1.4	ug/L
|	Tl	205	67.334	-0.000	**-0.858393**	0.01	0.6	ug/L
L	Pb	208	578.674	0.001	**-0.511369**	0.03	6.2	ug/L
Γ>	Bi	209	240292.529	240292.529				mg/L
L	U	238	19.333	0.000	**2.283095**	0.00	0.1	ug/L
	Kr	83	43.267	-0.000				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		100.100	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		99.388	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	95.864
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	99.475
Tl	203	
Tl	205	
Pb	208	
Bi	209	95.504
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Friday, January 04, 2013 17:29:55
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\QC Std 4.039
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17813.857	-0.002				ug/L
|	Li	7	38777.214	0.132	**103.653982**	1.55	1.5	ug/L
|	Be	9	8286.442	0.029	**101.863002**	1.47	1.4	ug/L
|	B	11	11568.690	0.040	**97.241329**	0.57	0.6	ug/L
|	Na	23	2705203.430	9.488	**5137.908710**	188.62	3.7	ug/L
|	Mg	24	1694596.302	5.960	**4991.528065**	207.02	4.1	ug/L
|	Al	27	5444089.672	19.149	**5242.256766**	183.73	3.5	ug/L
|	Si	28	52610.465	-0.163	**20848.557294**	511.52	2.5	ug/L
|	K	39	3515607.325	12.214	**5242.134689**	333.12	6.4	ug/L
|	Ca	43	17194.914	0.060	**5250.833661**	63.57	1.2	ug/L
|>	Sc	45	284275.338	284275.338				ug/L
|	Ti	49	12606.736	0.043	**99.403078**	0.98	1.0	ug/L
|	Co	59	218012.903	0.767	**98.870237**	3.30	3.3	ug/L
|	Ni	60	48322.115	0.170	**101.207835**	1.39	1.4	ug/L
|	Ni	62	7631.202	0.027	**99.675364**	0.73	0.7	ug/L
|	Cu	63	127294.628	0.447	**99.641267**	1.69	1.7	ug/L
|	Cu	65	66392.247	0.233	**101.893539**	1.24	1.2	ug/L
|	Zn	66	42605.028	0.148	**107.530804**	3.63	3.4	ug/L
|	Zn	67	11242.955	0.033	**115.624557**	5.81	5.0	ug/L
|	Zn	68	31804.908	0.111	**106.784458**	3.00	2.8	ug/L
|	V	51	202634.562	0.715	**100.384708**	1.21	1.2	ug/L
|	Cr	52	185736.231	0.639	**100.840630**	0.83	0.8	ug/L
|	Cr	53	73622.258	0.161	**138.469660**	1.11	0.8	ug/L
|	Mn	55	277171.939	0.974	**100.725157**	1.96	1.9	ug/L
|	Fe	54	698128.444	2.414	**5154.192689**	69.96	1.4	ug/L
⌊	Fe	57	283313.365	0.992	**5089.349838**	80.48	1.6	ug/L
⌈	As	75	55948.509	0.077	**100.256069**	1.85	1.8	ug/L
|	Se	77	23522.449	0.027	**519.471543**	36.43	7.0	ug/L
|	Se	82	24215.235	0.033	**501.988982**	22.13	4.4	ug/L
|	Sr	86	72393.104	0.099	**100.789275**	2.08	2.1	ug/L
|	Sr	87	53105.615	0.072	**101.782001**	3.91	3.8	ug/L
|	Sr	88	618610.550	0.843	**100.607461**	4.73	4.7	ug/L
|>	Y	89	733968.795	733968.795				ug/L
|	Mo	95	80349.022	0.109	**99.321779**	3.25	3.3	ug/L
|	Mo	97	50046.734	0.068	**100.769692**	2.02	2.0	ug/L
⌊	Mo	98	127806.399	0.174	**100.152149**	1.26	1.3	ug/L
⌈	Ag	107	233302.803	0.662	**100.128308**	3.22	3.2	ug/L

|	Ag	109	227810.678	0.646	**100.014373**	3.17	3.2	ug/L
|	Cd	111	53004.920	0.150	**99.851824**	0.77	0.8	ug/L
|	Cd	114	123756.472	0.351	**100.089840**	0.64	0.6	ug/L
|>	In	115	352664.209	352664.209				ug/L
|	Sn	120	229145.349	0.648	**99.382893**	2.75	2.8	ug/L
|	Sb	121	191779.043	0.540	**98.607555**	2.20	2.2	ug/L
L	Sb	123	146840.876	0.413	**97.978604**	1.79	1.8	ug/L
⌈	Ba	135	49710.913	0.093	**99.219096**	2.11	2.1	ug/L
|	Ba	137	87538.828	0.164	**100.277219**	2.29	2.3	ug/L
|	Ce	140	166.002	0.000	**127.596375**	4.10	3.2	ug/L
|	Tb	159	511137.096	0.007				ug/L
|>	Ho	165	533176.131	533176.131				ug/L
|	Tl	203	179935.758	0.337	**98.784384**	1.64	1.7	ug/L
|	Tl	205	423215.357	0.794	**98.606262**	0.92	0.9	ug/L
L	Pb	208	580424.489	1.088	**98.512792**	1.19	1.2	ug/L
⌈>	Bi	209	247835.283	247835.283				mg/L
L	U	238	728907.345	2.941	**99.335479**	1.01	1.0	ug/L
	Kr	83	50.467	7.200				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7	103.654		
Be	9	101.863		
B	11	97.241		
Na	23	102.758		
Mg	24	99.831		
Al	27	102.789		
Si	28	416.971		
K	39	104.843		
Ca	43	105.017		
Sc	45		102.989	
Ti	49	99.403		
Co	59	98.870		
Ni	60	101.208		
Ni	62	99.675		
Cu	63	99.641		
Cu	65	101.894		
Zn	66	107.531		
Zn	67	115.625		
Zn	68	106.784		
V	51	100.385		
Cr	52	100.841		
Cr	53	138.470		
Mn	55	100.725		
Fe	54	103.084		
Fe	57	101.787		
As	75	100.256		
Se	77	103.894		
Se	82	100.398		
Sr	86	100.789		
Sr	87	101.782		
Sr	88	100.607		
Y	89		101.072	
Mo	95	99.322		

Mo	97	100.770	
Mo	98	100.152	
Ag	107	100.128	
Ag	109	100.014	
Cd	111	99.852	
Cd	114	100.090	
In	115		97.946
Sn	120	99.383	
Sb	121	98.608	
Sb	123	97.979	
Ba	135	99.219	
Ba	137	100.277	
Ce	140	127.596	
Tb	159		
Ho	165		102.416
Tl	203	98.784	
Tl	205	98.606	
Pb	208	98.513	
Bi	209		98.502
U	238	99.335	
Kr	83		

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Friday, January 04, 2013 17:32:52
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\QC Std 6.040
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	18672.498	0.002				ug/L
|	Li	7	1269.422	0.000	**-0.020955**	0.07	317.8	ug/L
|	Be	9	20.000	-0.000	**0.257958**	0.04	15.6	ug/L
|	B	11	290.671	0.000	**1.601229**	0.05	3.3	ug/L
|	Na	23	9471.642	0.004	**11.654484**	1.52	13.0	ug/L
|	Mg	24	1000.061	0.002	**2.257678**	1.14	50.6	ug/L
|	Al	27	2405.325	0.007	**1.101316**	0.34	31.3	ug/L
|	Si	28	51781.064	-0.164	**21150.188199**	2169.93	10.3	ug/L
|	K	39	42934.581	-0.000	**-4.219475**	0.12	2.8	ug/L
|	Ca	43	596.020	0.001	**37.543104**	6.72	17.9	ug/L
|>	Sc	45	281203.737	281203.737				ug/L
|	Ti	49	618.688	0.000	**0.321616**	0.28	88.5	ug/L
|	Co	59	81.334	0.000	**0.338537**	0.00	0.9	ug/L
|	Ni	60	76.667	0.000	**-0.243488**	0.02	8.8	ug/L
|	Ni	62	60.000	0.000	**-0.129291**	0.32	250.9	ug/L
|	Cu	63	231.336	0.000	**-0.473366**	0.01	2.6	ug/L
|	Cu	65	117.334	0.000	**-0.582272**	0.07	11.9	ug/L
|	Zn	66	1032.059	0.002	**0.562314**	0.08	13.6	ug/L
|	Zn	67	4557.142	0.009	**17.202713**	2.93	17.0	ug/L
|	Zn	68	901.378	0.002	**1.359646**	0.20	14.7	ug/L
|	V	51	-1969.546	-0.004	**-0.587158**	0.49	83.8	ug/L
|	Cr	52	5515.007	0.005	**0.364776**	0.04	12.2	ug/L
|	Cr	53	52967.919	0.090	**51.803585**	9.92	19.1	ug/L
|	Mn	55	482.013	0.001	**0.207325**	0.01	4.8	ug/L
|	Fe	54	12293.520	0.002	**0.228828**	3.57	1559.1	ug/L
⌞	Fe	57	1366.103	0.000	**-0.572017**	0.89	155.9	ug/L
⌜	As	75	-281.543	0.000	**0.486995**	0.45	93.0	ug/L
|	Se	77	4894.651	0.002	**27.621721**	1.78	6.4	ug/L
|	Se	82	6.523	0.000	**2.343699**	0.01	0.3	ug/L
|	Sr	86	41.185	0.000	**0.788067**	0.03	3.7	ug/L
|	Sr	87	44.719	0.000	**0.419358**	0.03	6.3	ug/L
|	Sr	88	532.016	0.000	**0.811529**	0.00	0.3	ug/L
|>	Y	89	728697.963	728697.963				ug/L
|	Mo	95	46.667	0.000	**0.748954**	0.01	0.7	ug/L
|	Mo	97	43.333	0.000	**0.307470**	0.02	6.1	ug/L
⌞	Mo	98	78.913	0.000	**0.476790**	0.02	4.1	ug/L
⌜	Ag	107	54.000	0.000	**0.382588**	0.00	1.1	ug/L

|	Ag	109	41.333	0.000	**0.431015**	0.00	1.2	ug/L
|	Cd	111	21.000	0.000	**0.327910**	0.00	0.5	ug/L
|	Cd	114	57.489	0.000	**0.284115**	0.01	4.0	ug/L
|>	In	115	351643.982	351643.982				ug/L
|	Sn	120	593.850	-0.000	**0.684129**	0.01	1.6	ug/L
|	Sb	121	1626.813	0.000	**0.503890**	0.07	13.5	ug/L
|	Sb	123	1369.758	0.000	**0.627505**	0.02	3.4	ug/L
⌈	Ba	135	53.333	0.000	**-0.165227**	0.01	5.6	ug/L
|	Ba	137	81.334	0.000	**0.098972**	0.01	9.1	ug/L
|	Ce	140	11.333	-0.000	**18.359421**	2.84	15.5	ug/L
|	Tb	159	505575.905	0.008				ug/L
|>	Ho	165	527181.424	527181.424				ug/L
|	Tl	203	80.000	0.000	**-0.281648**	0.01	4.8	ug/L
|	Tl	205	193.335	0.000	**-0.142230**	0.00	2.1	ug/L
⌊	Pb	208	220.668	0.000	**-0.165738**	0.01	7.3	ug/L
⌈>	Bi	209	249275.970	249275.970				mg/L
⌊	U	238	129.334	0.000	**0.471352**	0.01	1.4	ug/L
	Kr	83	43.933	0.667				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		101.876	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		100.346	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	97.663
In	115	
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	101.265
Ho	165	
Tl	203	
Tl	205	
Pb	208	99.075
Bi	209	
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: ICSA
Sample Date/Time: Friday, January 04, 2013 17:35:49
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\ICSA.041
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	16771.045	-0.004				
|	Li	7	1174.076	-0.000	**-0.234724**	0.07	29.2	ug/L
|	Be	9	12.667	-0.000	**0.171448**	0.07	39.9	ug/L
|	B	11	381.341	0.000	**2.436452**	0.43	17.7	ug/L
|	Na	23	50773094.859	183.600	**99252.107766**	4276.60	4.3	ug/L
|	Mg	24	32675027.460	118.100	**98897.389324**	1400.21	1.4	ug/L
|	Al	27	102807889.177	371.852	**101816.941794**	3324.10	3.3	ug/L
|	Si	28	62036.296	-0.124	**5788.911208**	2950.82	51.0	ug/L
|	K	39	65588503.809	236.939	**101770.832657**	2144.61	2.1	ug/L
|	Ca	43	324499.902	1.173	**104668.004478**	3652.65	3.5	ug/L
|								ug/L
| >	Sc	45	276698.871	276698.871				
|	Ti	49	215640.845	0.777	**1827.073372**	18.80	1.0	ug/L
|	Co	59	4098.260	0.015	**2.203696**	0.07	3.3	ug/L
|	Ni	60	1528.129	0.005	**2.894300**	0.19	6.7	ug/L
|	Ni	62	830.705	0.003	**10.334452**	0.66	6.4	ug/L
|	Cu	63	2769.089	0.009	**1.584294**	0.09	5.8	ug/L
|	Cu	65	1336.099	0.005	**1.355893**	0.21	15.8	ug/L
|	Zn	66	1862.858	0.005	**2.801241**	0.23	8.2	ug/L
|	Zn	67	4671.868	0.010	**20.106503**	4.71	23.4	ug/L
|	Zn	68	913.379	0.002	**1.460203**	0.12	8.3	ug/L
|	V	51	-5411.882	-0.017	**-2.349406**	0.44	18.8	ug/L
|	Cr	52	9791.275	0.021	**2.865204**	0.08	2.9	ug/L
|	Cr	53	49821.528	0.082	**41.542038**	8.30	20.0	ug/L
|	Mn	55	38669.411	0.139	**14.472686**	0.35	2.4	ug/L
|	Fe	54	14341099.206	51.796	**110673.551002**	1401.71	1.3	ug/L
⌊	Fe	57	5987457.384	21.643	**111079.345322**	2126.47	1.9	ug/L
⌜	As	75	-401.304	0.000	**0.304164**	0.74	243.8	ug/L
|	Se	77	5294.208	0.002	**33.528142**	1.51	4.5	ug/L
|	Se	82	-21.912	-0.000	**1.768200**	0.02	1.0	ug/L
|	Sr	86	886.090	0.001	**1.922527**	0.10	5.1	ug/L
|	Sr	87	1017.786	0.001	**2.225610**	0.36	16.3	ug/L
|	Sr	88	8311.799	0.011	**2.031101**	0.03	1.3	ug/L
|								ug/L
| >	Y	89	754032.772	754032.772				
|	Mo	95	1724139.967	2.287	**2060.380554**	47.22	2.3	ug/L
|	Mo	97	1048988.989	1.391	**2051.416891**	58.12	2.8	ug/L
⌊	Mo	98	2864194.666	3.799	**2175.911658**	23.98	1.1	ug/L
⌜	Ag	107	220.003	0.001	**0.456003**	0.00	1.0	ug/L

|	Ag	109	142.001	0.000	**0.476549**	0.01	1.1	ug/L
|	Cd	111	1663.319	0.005	**3.495090**	0.05	1.5	ug/L
|	Cd	114	3050.000	0.009	**2.763881**	0.08	3.0	ug/L
|>	In	115	343573.779	343573.779				ug/L
|	Sn	120	382.386	-0.001	**0.596574**	0.01	0.9	ug/L
|	Sb	121	2903.797	0.004	**1.199226**	0.01	0.8	ug/L
_	Sb	123	2273.432	0.003	**1.269647**	0.05	4.0	ug/L
⌈	Ba	135	1548.132	0.003	**2.953886**	0.14	4.8	ug/L
|	Ba	137	2696.400	0.005	**3.221154**	0.14	4.4	ug/L
|	Ce	140	1428.779	0.003	**1062.162567**	71.10	6.7	ug/L
|	Tb	159	491371.414	0.008				ug/L
|>	Ho	165	512335.033	512335.033				ug/L
|	Tl	203	149.335	0.000	**-0.240604**	0.01	2.7	ug/L
|	Tl	205	322.672	0.000	**-0.109474**	0.00	2.0	ug/L
_	Pb	208	1964.752	0.004	**0.144140**	0.01	3.7	ug/L
⌈>	Bi	209	221978.822	221978.822				mg/L
_	U	238	70.000	0.000	**0.464509**	0.00	0.1	ug/L
	Kr	83	82.334	39.067				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		100.244	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		103.835	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	95.422
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	98.413
Tl	203	
Tl	205	
Pb	208	
Bi	209	88.226
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: ICSAB
Sample Date/Time: Friday, January 04, 2013 17:38:46
Sample Type: Spike - 2 of 114
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\ICSAB.042
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌈	Li	6	16853.921	-0.003				
|	Li	7	1190.078	-0.000	**-0.155377**	0.06	37.1	ug/L
|	Be	9	19.333	-0.000	**0.258753**	0.09	33.1	ug/L
|	B	11	370.674	0.000	**2.379837**	0.36	15.0	ug/L
|	Na	23	50708415.758	185.199	**100116.254346**	7304.00	7.3	ug/L
|	Mg	24	32311505.546	118.049	**98855.017856**	4840.59	4.9	ug/L
|	Al	27	100290601.535	366.341	**100307.996893**	3559.42	3.5	ug/L
|	Si	28	62163.145	-0.121	**4774.719633**	2405.02	50.4	ug/L
|	K	39	66961506.656	244.471	**105006.122755**	4807.47	4.6	ug/L
|	Ca	43	319181.071	1.164	**103922.561049**	1470.45	1.4	ug/L
|								ug/L
| >	Sc	45	273966.515	273966.515				
|	Ti	49	213284.618	0.777	**1826.115952**	50.10	2.7	ug/L
|	Co	59	177036.652	0.646	**83.349753**	1.16	1.4	ug/L
|	Ni	60	38192.176	0.139	**82.904322**	1.30	1.6	ug/L
|	Ni	62	6847.918	0.025	**92.707554**	3.60	3.9	ug/L
|	Cu	63	99885.033	0.364	**81.015535**	2.49	3.1	ug/L
|	Cu	65	50898.368	0.185	**80.870686**	2.51	3.1	ug/L
|	Zn	66	16715.377	0.060	**42.506369**	0.89	2.1	ug/L
|	Zn	67	7294.933	0.020	**61.048981**	3.32	5.4	ug/L
|	Zn	68	12222.880	0.044	**41.577599**	2.10	5.1	ug/L
|	V	51	159334.605	0.584	**81.995022**	1.02	1.2	ug/L
|	Cr	52	150730.847	0.536	**84.525055**	2.53	3.0	ug/L
|	Cr	53	65938.966	0.143	**116.074859**	5.46	4.7	ug/L
|	Mn	55	257409.136	0.939	**97.050370**	1.77	1.8	ug/L
|	Fe	54	14265017.593	52.043	**111201.573990**	1708.17	1.5	ug/L
⌊	Fe	57	5871905.708	21.432	**109997.616373**	1216.60	1.1	ug/L
⌈	As	75	19380.834	0.026	**34.441561**	0.41	1.2	ug/L
|	Se	77	7070.084	0.005	**79.203145**	8.55	10.8	ug/L
|	Se	82	1857.546	0.002	**39.485745**	0.95	2.4	ug/L
|	Sr	86	910.981	0.001	**1.955193**	0.03	1.6	ug/L
|	Sr	87	963.995	0.001	**2.125173**	0.08	3.8	ug/L
|	Sr	88	8376.526	0.011	**2.040384**	0.02	0.9	ug/L
|								ug/L
| >	Y	89	754412.374	754412.374				
|	Mo	95	1717148.390	2.276	**2050.925653**	21.54	1.1	ug/L
|	Mo	97	1071586.353	1.420	**2094.505990**	37.96	1.8	ug/L
⌊	Mo	98	2917264.550	3.866	**2214.474357**	55.10	2.5	ug/L
⌈	Ag	107	44857.194	0.131	**20.053750**	0.24	1.2	ug/L

|	Ag	109	43582.322	0.127	**19.977079**	0.16	0.8	ug/L
|	Cd	111	22060.077	0.064	**42.857932**	0.81	1.9	ug/L
|	Cd	114	50114.242	0.146	**41.767629**	0.69	1.7	ug/L
|>	In	115	343357.026	343357.026				ug/L
|	Sn	120	452.449	-0.001	**0.627883**	0.01	1.4	ug/L
|	Sb	121	2959.149	0.004	**1.230196**	0.06	5.1	ug/L
|	Sb	123	2242.011	0.003	**1.250462**	0.05	4.3	ug/L
⌈	Ba	135	1558.801	0.003	**2.979207**	0.14	4.6	ug/L
|	Ba	137	2687.064	0.005	**3.213467**	0.04	1.2	ug/L
|	Ce	140	1389.440	0.003	**1036.052941**	98.58	9.5	ug/L
|	Tb	159	486858.726	0.001				ug/L
|>	Ho	165	511371.631	511371.631				ug/L
|	Tl	203	138.668	0.000	**-0.246477**	0.01	3.8	ug/L
|	Tl	205	325.339	0.000	**-0.108609**	0.00	3.0	ug/L
⌊	Pb	208	1930.749	0.003	**0.139009**	0.01	7.9	ug/L
⌈>	Bi	209	219488.548	219488.548				mg/L
⌊	U	238	38.000	0.000	**0.459743**	0.00	0.3	ug/L
	Kr	83	84.400	41.134				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		99.254	
Ti	49			
Co	59			101.433
Ni	60			100.013
Ni	62			102.966
Cu	63			99.289
Cu	65			99.393
Zn	66			99.263
Zn	67			102.356
Zn	68			100.293
V	51			105.431
Cr	52			102.075
Cr	53			93.166
Mn	55			103.222
Fe	54			
Fe	57			
As	75			85.343
Se	77			114.188
Se	82			94.294
Sr	86			
Sr	87			
Sr	88			
Y	89		103.887	
Mo	95			

Mo	97		
Mo	98		97.989
Ag	107		97.503
Ag	109		98.407
Cd	111		97.509
Cd	114		
In	115	95.361	
Sn	120		
Sb	121		
Sb	123		
Ba	135		
Ba	137		
Ce	140		
Tb	159		
Ho	165	98.228	
Tl	203		
Tl	205		
Pb	208		
Bi	209	87.236	
U	238		
Kr	83		

Quantitative Analysis - Summary Report

Sample ID: MBLK-117596
Sample Date/Time: Friday, January 04, 2013 17:41:42
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\MBLK-117596.043
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18892.123	-0.001				ug/L
|	Li	7	1338.098	0.000	**-0.009324**	0.05	573.3	ug/L
|	Be	9	16.667	-0.000	**0.208341**	0.12	56.9	ug/L
|	B	11	801.369	0.002	**5.654932**	0.49	8.6	ug/L
|	Na	23	25703.297	0.057	**40.456082**	4.60	11.4	ug/L
|	Mg	24	9638.755	0.031	**26.536453**	7.90	29.8	ug/L
|	Al	27	31239.649	0.104	**27.665783**	4.36	15.8	ug/L
|	Si	28	68499.118	-0.116	**2866.850748**	2815.07	98.2	ug/L
|	K	39	60769.758	0.053	**18.512218**	4.31	23.3	ug/L
|	Ca	43	773.366	0.002	**82.314294**	24.83	30.2	ug/L
|>	Sc	45	295371.487	295371.487				ug/L
|	Ti	49	1286.091	0.003	**5.385796**	0.53	9.8	ug/L
|	Co	59	84.000	0.000	**0.337954**	0.01	2.2	ug/L
|	Ni	60	212.002	0.001	**0.022060**	0.03	123.0	ug/L
|	Ni	62	74.667	0.000	**0.019406**	0.14	704.2	ug/L
|	Cu	63	402.009	0.001	**-0.352447**	0.04	12.6	ug/L
|	Cu	65	217.336	0.000	**-0.442534**	0.08	17.1	ug/L
|	Zn	66	2749.749	0.008	**4.688629**	0.11	2.4	ug/L
|	Zn	67	6344.883	0.015	**39.478980**	5.61	14.2	ug/L
|	Zn	68	1980.216	0.006	**4.758379**	0.19	3.9	ug/L
|	V	51	-5788.166	-0.017	**-2.350415**	0.56	23.7	ug/L
|	Cr	52	6929.309	0.009	**0.976758**	0.21	21.7	ug/L
|	Cr	53	67941.190	0.132	**103.086702**	17.00	16.5	ug/L
|	Mn	55	843.372	0.002	**0.325529**	0.02	5.0	ug/L
|	Fe	54	26134.504	0.046	**95.874991**	7.20	7.5	ug/L
⌊	Fe	57	3160.552	0.006	**29.346233**	3.08	10.5	ug/L
⌈	As	75	-575.061	-0.000	**0.037230**	0.47	1252.2	ug/L
|	Se	77	7148.811	0.005	**75.252415**	7.25	9.6	ug/L
|	Se	82	6.122	0.000	**2.326857**	0.04	1.9	ug/L
|	Sr	86	38.985	0.000	**0.781411**	0.02	2.1	ug/L
|	Sr	87	38.214	0.000	**0.402087**	0.02	4.9	ug/L
|	Sr	88	382.675	0.000	**0.783172**	0.00	0.4	ug/L
|>	Y	89	779745.234	779745.234				ug/L
|	Mo	95	614.688	0.001	**1.400961**	0.07	5.3	ug/L
|	Mo	97	333.340	0.000	**0.849609**	0.12	13.9	ug/L
⌊	Mo	98	891.405	0.001	**1.069298**	0.07	6.1	ug/L
⌈	Ag	107	38.667	0.000	**0.375723**	0.00	0.9	ug/L

|	Ag	109	27.333	-0.000	**0.424603**	0.00	0.7	ug/L
|	Cd	111	19.167	0.000	**0.323727**	0.01	2.2	ug/L
|	Cd	114	45.269	-0.000	**0.273373**	0.01	2.5	ug/L
|>	In	115	359438.253	359438.253				ug/L
|	Sn	120	567.062	-0.000	**0.667326**	0.00	0.3	ug/L
|	Sb	121	1569.469	0.000	**0.456072**	0.01	2.9	ug/L
|	Sb	123	1131.884	-0.000	**0.451719**	0.06	12.2	ug/L
⌈	Ba	135	102.001	0.000	**-0.070020**	0.02	26.0	ug/L
|	Ba	137	168.002	0.000	**0.196584**	0.02	8.8	ug/L
|	Ce	140	30.000	0.000	**31.486286**	10.04	31.9	ug/L
|	Tb	159	508385.095	-0.002				ug/L
|>	Ho	165	535406.474	535406.474				ug/L
|	Tl	203	36.000	-0.000	**-0.306243**	0.01	3.5	ug/L
|	Tl	205	67.334	-0.000	**-0.172180**	0.00	1.9	ug/L
⌊	Pb	208	263.335	0.000	**-0.158996**	0.00	1.2	ug/L
⌈>	Bi	209	246435.071	246435.071				mg/L
⌊	U	238	18.000	0.000	**0.456363**	0.00	0.1	ug/L
	Kr	83	44.067	0.800				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		107.009	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		107.376	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	99.828
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	102.845
Tl	203	
Tl	205	
Pb	208	
Bi	209	97.946
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: LCS-117596
Sample Date/Time: Friday, January 04, 2013 17:44:38
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\LCS-117596.044
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	17711.918	-0.003				ug/L
|	Li	7	42950.113	0.146	**114.506697**	8.05	7.0	ug/L
|	Be	9	8881.011	0.031	**108.500188**	5.91	5.4	ug/L
|	B	11	13506.715	0.046	**113.039344**	8.31	7.4	ug/L
|	Na	23	2991812.699	10.433	**5648.682626**	359.12	6.4	ug/L
|	Mg	24	1959433.235	6.846	**5733.386854**	518.47	9.0	ug/L
|	Al	27	6149331.867	21.507	**5888.054362**	326.09	5.5	ug/L
|	Si	28	80241.504	-0.067	**-15763.863390**	5542.02	35.2	ug/L
|	K	39	3844062.748	13.282	**5700.780457**	77.46	1.4	ug/L
|	Ca	43	19826.940	0.068	**6039.881748**	211.76	3.5	ug/L
|								ug/L
| >	Sc	45	286136.256	286136.256				
|	Ti	49	15137.944	0.051	**119.574165**	6.29	5.3	ug/L
|	Co	59	247282.023	0.865	**111.472883**	7.33	6.6	ug/L
|	Ni	60	54758.873	0.191	**114.131760**	9.37	8.2	ug/L
|	Ni	62	9039.172	0.031	**117.592082**	9.96	8.5	ug/L
|	Cu	63	144233.935	0.504	**112.325473**	6.17	5.5	ug/L
|	Cu	65	73250.164	0.256	**111.820103**	5.08	4.5	ug/L
|	Zn	66	42842.064	0.148	**107.492908**	3.61	3.4	ug/L
|	Zn	67	13598.177	0.041	**149.497522**	13.20	8.8	ug/L
|	Zn	68	32708.084	0.113	**109.170230**	1.79	1.6	ug/L
|	V	51	226112.094	0.793	**111.290458**	4.20	3.8	ug/L
|	Cr	52	211478.114	0.725	**114.485998**	6.68	5.8	ug/L
|	Cr	53	95248.986	0.235	**229.719032**	24.16	10.5	ug/L
|	Mn	55	318106.459	1.112	**114.950878**	8.47	7.4	ug/L
|	Fe	54	828025.745	2.854	**6094.890267**	364.60	6.0	ug/L
⌊	Fe	57	333443.162	1.163	**5963.681713**	482.50	8.1	ug/L
⌜	As	75	57487.745	0.077	**100.522888**	5.13	5.1	ug/L
|	Se	77	26374.277	0.031	**578.018485**	37.53	6.5	ug/L
|	Se	82	24099.836	0.032	**487.494151**	24.54	5.0	ug/L
|	Sr	86	82147.105	0.109	**111.528880**	3.23	2.9	ug/L
|	Sr	87	60487.437	0.080	**113.099033**	5.61	5.0	ug/L
|	Sr	88	696404.914	0.926	**110.446129**	7.66	6.9	ug/L
|								ug/L
| >	Y	89	751997.751	751997.751				
|	Mo	95	91599.040	0.122	**110.416822**	4.75	4.3	ug/L
|	Mo	97	55611.648	0.074	**109.259991**	2.91	2.7	ug/L
⌊	Mo	98	144552.808	0.192	**110.503702**	3.44	3.1	ug/L
⌜	Ag	107	262772.655	0.754	**114.131678**	4.99	4.4	ug/L

|	Ag	109	251924.152	0.723	**111.935730**	4.85	4.3	ug/L
|	Cd	111	55745.115	0.160	**106.302473**	4.02	3.8	ug/L
|	Cd	114	130498.122	0.374	**106.830502**	4.16	3.9	ug/L
|>	In	115	348529.193	348529.193				ug/L
|	Sn	120	252865.769	0.724	**110.988981**	4.96	4.5	ug/L
|	Sb	121	205161.854	0.585	**106.847834**	4.69	4.4	ug/L
|	Sb	123	155036.157	0.442	**104.792396**	6.28	6.0	ug/L
⌈	Ba	135	54487.640	0.104	**110.497884**	5.74	5.2	ug/L
|	Ba	137	94733.258	0.180	**110.204797**	4.20	3.8	ug/L
|	Ce	140	202.002	0.000	**155.227086**	5.27	3.4	ug/L
|	Tb	159	500300.751	0.001				ug/L
|>	Ho	165	525109.460	525109.460				ug/L
|	Tl	203	194510.663	0.370	**108.504380**	5.81	5.4	ug/L
|	Tl	205	454876.443	0.866	**107.667799**	4.98	4.6	ug/L
⌊	Pb	208	625926.682	1.192	**107.919880**	4.54	4.2	ug/L
⌈>	Bi	209	235779.318	235779.318				mg/L
⌊	U	238	778216.261	3.302	**111.459069**	5.78	5.2	ug/L
	Kr	83	48.667	5.400				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		103.663	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		103.555	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	96.798
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.867
Tl	203	
Tl	205	
Pb	208	
Bi	209	93.711
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023947-01B
Sample Date/Time: Friday, January 04, 2013 17:47:34
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023947-01B.045
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18305.553	-0.001				ug/L
|	Li	7	1697.493	0.002	**1.091262**	0.42	38.0	ug/L
|	Be	9	48.000	0.000	**0.595520**	0.35	59.3	ug/L
|	B	11	1638.148	0.005	**12.914053**	0.46	3.5	ug/L
|	Na	23	5027587.426	17.536	**9488.038443**	185.52	2.0	ug/L
|	Mg	24	4193172.852	14.659	**12276.543667**	804.87	6.6	ug/L
|	Al	27	26646.733	0.092	**24.233786**	15.41	63.6	ug/L
|	Si	28	5594142.011	19.192	**-7393106.734742**	56178.23	0.8	ug/L
|	K	39	2629122.908	9.034	**3876.312215**	112.00	2.9	ug/L
|	Ca	43	94939.958	0.331	**29475.093770**	801.94	2.7	ug/L
|>	Sc	45	286310.774	286310.774				ug/L
|	Ti	49	1471.452	0.003	**7.227785**	0.34	4.7	ug/L
|	Co	59	175788.103	0.614	**79.232187**	2.37	3.0	ug/L
|	Ni	60	6209.455	0.022	**12.560922**	0.47	3.8	ug/L
|	Ni	62	994.721	0.003	**12.099872**	0.38	3.2	ug/L
|	Cu	63	3193.232	0.010	**1.840864**	0.28	15.4	ug/L
|	Cu	65	1601.477	0.005	**1.693735**	0.37	21.8	ug/L
|	Zn	66	8809.600	0.029	**20.395216**	0.31	1.5	ug/L
|	Zn	67	8996.450	0.025	**81.410510**	4.54	5.6	ug/L
|	Zn	68	11357.759	0.039	**36.740709**	0.23	0.6	ug/L
|	V	51	-6258.070	-0.019	**-2.673763**	0.37	13.8	ug/L
|	Cr	52	9827.985	0.020	**2.697073**	0.26	9.5	ug/L
|	Cr	53	68137.103	0.140	**112.719264**	6.33	5.6	ug/L
|	Mn	55	3128987.113	10.928	**1128.711419**	15.37	1.4	ug/L
|	Fe	54	5181080.613	18.059	**38584.940621**	694.66	1.8	ug/L
⌊	Fe	57	2033515.040	7.095	**36411.941287**	1380.02	3.8	ug/L
⌈	As	75	1603.257	0.003	**3.572787**	1.09	30.4	ug/L
|	Se	77	7384.998	0.005	**75.376668**	5.08	6.7	ug/L
|	Se	82	85.990	0.000	**3.811745**	0.93	24.4	ug/L
|	Sr	86	363782.498	0.452	**459.176943**	10.00	2.2	ug/L
|	Sr	87	264643.174	0.329	**461.346892**	12.51	2.7	ug/L
|	Sr	88	3232143.472	4.016	**476.621325**	14.63	3.1	ug/L
|>	Y	89	805089.130	805089.130				ug/L
|	Mo	95	354.675	0.000	**1.084409**	0.24	22.2	ug/L
|	Mo	97	239.337	0.000	**0.654211**	0.25	38.5	ug/L
⌊	Mo	98	523.682	0.001	**0.783314**	0.26	33.8	ug/L
⌈	Ag	107	370.680	0.001	**0.519654**	0.17	32.5	ug/L

|	Ag	109	342.678	0.001	**0.564229**	0.17	29.3	ug/L
|	Cd	111	208.836	0.001	**0.685035**	0.25	36.1	ug/L
|	Cd	114	477.835	0.001	**0.627425**	0.22	34.4	ug/L
|>	In	115	348287.401	348287.401				ug/L
|	Sn	120	2513.773	0.005	**1.525657**	0.24	15.4	ug/L
|	Sb	121	2153.598	0.002	**0.786089**	0.27	33.7	ug/L
|	Sb	123	1662.366	0.001	**0.834277**	0.21	25.4	ug/L
⌈	Ba	135	267345.745	0.509	**543.353457**	13.33	2.5	ug/L
|	Ba	137	467422.718	0.891	**543.900588**	10.99	2.0	ug/L
|	Ce	140	92648.437	0.176	**66513.605855**	647.85	1.0	ug/L
|	Tb	159	495823.847	-0.007				ug/L
|>	Ho	165	524921.969	524921.969				ug/L
|	Tl	203	723.370	0.001	**0.075022**	0.25	332.7	ug/L
|	Tl	205	1730.217	0.003	**0.218534**	0.27	124.1	ug/L
⌊	Pb	208	66977.094	0.127	**11.365505**	0.09	0.8	ug/L
⌈>	Bi	209	235470.688	235470.688				mg/L
⌊	U	238	2105.720	0.009	**0.751445**	0.28	36.7	ug/L
	Kr	83	52.533	9.267				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		103.726	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		110.866	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	96.731
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.831
Tl	203	
Tl	205	
Pb	208	
Bi	209	93.588
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023947-01BSD
Sample Date/Time: Friday, January 04, 2013 17:50:30
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023947-01BSD.046
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	17255.090	0.000				ug/L
|	Li	7	1293.426	0.000	**1.298945**	0.59	45.3	ug/L
|	Be	9	20.667	0.000	**1.419104**	0.31	21.6	ug/L
|	B	11	692.693	0.002	**27.061375**	1.52	5.6	ug/L
|	Na	23	934186.362	3.495	**9492.882946**	696.72	7.3	ug/L
|	Mg	24	857318.949	3.230	**13527.835669**	1249.94	9.2	ug/L
|	Al	27	2725.411	0.009	**7.922147**	1.71	21.6	ug/L
|	Si	28	1089434.023	3.763	**-7415777.792494**	485361.01	6.5	ug/L
|	K	39	500390.607	1.735	**3705.986244**	272.57	7.4	ug/L
|	Ca	43	18585.679	0.069	**30561.609435**	2202.75	7.2	ug/L
|>	Sc	45	265272.268	265272.268				ug/L
|	Ti	49	827.371	0.001	**12.394672**	1.21	9.8	ug/L
|	Co	59	32352.235	0.122	**79.987805**	6.07	7.6	ug/L
|	Ni	60	1162.074	0.004	**11.073964**	0.82	7.4	ug/L
|	Ni	62	218.669	0.001	**10.803420**	1.97	18.3	ug/L
|	Cu	63	575.352	0.002	**-0.854866**	0.20	23.6	ug/L
|	Cu	65	341.340	0.001	**-0.989559**	0.43	43.1	ug/L
|	Zn	66	2960.483	0.010	**30.194200**	1.81	6.0	ug/L
|	Zn	67	5697.786	0.015	**197.191817**	18.64	9.5	ug/L
|	Zn	68	3173.887	0.011	**49.339125**	1.86	3.8	ug/L
|	V	51	-3775.360	-0.012	**-8.063473**	4.35	53.9	ug/L
|	Cr	52	5897.913	0.008	**3.901067**	0.29	7.4	ug/L
|	Cr	53	57914.570	0.120	**442.904991**	37.69	8.5	ug/L
|	Mn	55	549291.060	2.072	**1070.705472**	72.62	6.8	ug/L
|	Fe	54	932283.561	3.476	**37124.690797**	3070.46	8.3	ug/L
⌊	Fe	57	373058.460	1.403	**36001.511114**	2656.57	7.4	ug/L
⌜	As	75	86.435	0.001	**5.737679**	2.48	43.1	ug/L
|	Se	77	5055.406	0.002	**162.476057**	12.90	7.9	ug/L
|	Se	82	10.184	0.000	**12.110766**	0.70	5.8	ug/L
|	Sr	86	68655.327	0.095	**483.881015**	30.37	6.3	ug/L
|	Sr	87	50436.066	0.070	**489.363129**	33.91	6.9	ug/L
|	Sr	88	582362.759	0.803	**479.509131**	31.02	6.5	ug/L
|>	Y	89	725405.567	725405.567				ug/L
|	Mo	95	49.333	0.000	**3.762880**	0.03	0.9	ug/L
|	Mo	97	46.000	0.000	**1.567167**	0.05	3.0	ug/L
⌊	Mo	98	59.872	0.000	**2.311407**	0.03	1.1	ug/L
⌜	Ag	107	33.333	0.000	**1.871947**	0.01	0.5	ug/L

|	Ag	109	16.667	-0.000	**2.102525**	0.01	0.6	ug/L
|	Cd	111	32.833	0.000	**1.763056**	0.03	1.7	ug/L
|	Cd	114	80.245	0.000	**1.525981**	0.07	4.6	ug/L
|>	In	115	337947.985	337947.985				ug/L
|	Sn	120	499.160	-0.000	**3.262377**	0.13	3.9	ug/L
|	Sb	121	1474.786	0.000	**2.277880**	0.10	4.3	ug/L
|	Sb	123	1146.226	-0.000	**2.546451**	0.12	4.5	ug/L
|	Ba	135	53072.739	0.105	**556.893817**	39.14	7.0	ug/L
|	Ba	137	92411.720	0.182	**556.103249**	27.62	5.0	ug/L
|	Ce	140	18624.399	0.037	**69213.365682**	3465.01	5.0	ug/L
|	Tb	159	487734.285	0.009				ug/L
|>	Ho	165	507783.091	507783.091				ug/L
|	Tl	203	92.000	0.000	**-1.363282**	0.05	3.9	ug/L
|	Tl	205	217.336	0.000	**-0.673164**	0.04	5.5	ug/L
|	Pb	208	12971.649	0.025	**10.580982**	0.76	7.2	ug/L
|>	Bi	209	237663.633	237663.633				mg/L
|	U	238	56.667	0.000	**2.309652**	0.01	0.4	ug/L
	Kr	83	44.667	1.400				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		96.104	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		99.893	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	93.859
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	97.538
Tl	203	
Tl	205	
Pb	208	
Bi	209	94.460
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023947-01BMS
Sample Date/Time: Friday, January 04, 2013 17:53:26
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023947-01BMS.047
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	17277.024	-0.003				
|	Li	7	41971.332	0.145	**114.086720**	3.96	3.5	ug/L
|	Be	9	8611.413	0.031	**107.240910**	0.87	0.8	ug/L
|	B	11	13688.969	0.048	**116.796452**	3.89	3.3	ug/L
|	Na	23	7692164.296	27.403	**14821.836888**	638.85	4.3	ug/L
|	Mg	24	6159555.515	21.954	**18385.337832**	377.14	2.1	ug/L
|	Al	27	5744146.061	20.485	**5608.145602**	218.27	3.9	ug/L
|	Si	28	5556578.367	19.462	**-7496518.622369**	166697.82	2.2	ug/L
|	K	39	5986420.638	21.193	**9098.920373**	306.20	3.4	ug/L
|	Ca	43	110405.112	0.393	**35012.905358**	1248.88	3.6	ug/L
								ug/L
|>	Sc	45	280633.869	280633.869				
|	Ti	49	14934.260	0.052	**120.298563**	2.33	1.9	ug/L
|	Co	59	407450.061	1.453	**187.035071**	6.21	3.3	ug/L
|	Ni	60	56947.206	0.203	**121.019833**	5.83	4.8	ug/L
|	Ni	62	8861.661	0.031	**117.378173**	5.09	4.3	ug/L
|	Cu	63	141390.396	0.504	**112.276930**	3.48	3.1	ug/L
|	Cu	65	72099.548	0.257	**112.233552**	3.99	3.6	ug/L
|	Zn	66	46466.463	0.164	**119.133317**	4.75	4.0	ug/L
|	Zn	67	15156.632	0.047	**176.788951**	8.89	5.0	ug/L
|	Zn	68	39606.121	0.140	**135.261511**	5.27	3.9	ug/L
|	V	51	217782.483	0.779	**109.291386**	3.05	2.8	ug/L
|	Cr	52	203667.570	0.712	**112.361308**	3.82	3.4	ug/L
|	Cr	53	87884.106	0.215	**205.485368**	15.85	7.7	ug/L
|	Mn	55	3426194.803	12.209	**1261.046798**	40.06	3.2	ug/L
|	Fe	54	5950740.530	21.174	**45241.265292**	1103.24	2.4	ug/L
⌊	Fe	57	2447086.114	8.724	**44774.715273**	2095.82	4.7	ug/L
⌜	As	75	58501.301	0.075	**98.318530**	3.43	3.5	ug/L
|	Se	77	24279.713	0.026	**499.478445**	23.62	4.7	ug/L
|	Se	82	23021.208	0.029	**447.577097**	15.45	3.5	ug/L
|	Sr	86	432482.340	0.552	**560.915148**	6.14	1.1	ug/L
|	Sr	87	319396.002	0.408	**572.230863**	9.55	1.7	ug/L
|	Sr	88	3892647.428	4.973	**589.932052**	16.75	2.8	ug/L
								ug/L
|>	Y	89	783287.399	783287.399				
|	Mo	95	88257.840	0.113	**102.232526**	2.17	2.1	ug/L
|	Mo	97	54309.072	0.069	**102.548218**	4.00	3.9	ug/L
⌊	Mo	98	139745.983	0.178	**102.658796**	2.64	2.6	ug/L
⌜	Ag	107	246083.099	0.736	**111.336558**	3.84	3.4	ug/L

|	Ag	109	238530.590	0.713	**110.353119**	2.59	2.3	ug/L
|	Cd	111	53365.196	0.160	**106.015205**	3.67	3.5	ug/L
|	Cd	114	122266.655	0.366	**104.285831**	3.55	3.4	ug/L
|>	In	115	334703.137	334703.137				ug/L
|	Sn	120	240805.775	0.719	**110.142220**	5.13	4.7	ug/L
|	Sb	121	194765.011	0.578	**105.656341**	3.93	3.7	ug/L
_	Sb	123	148737.631	0.441	**104.710305**	4.17	4.0	ug/L
⌈	Ba	135	313716.783	0.599	**639.257313**	12.67	2.0	ug/L
|	Ba	137	556317.149	1.063	**649.072583**	17.81	2.7	ug/L
|	Ce	140	93004.088	0.178	**66937.830767**	655.44	1.0	ug/L
|	Tb	159	492926.399	-0.010				ug/L
|>	Ho	165	523617.647	523617.647				ug/L
|	Tl	203	186993.800	0.357	**104.580450**	1.51	1.4	ug/L
|	Tl	205	439363.163	0.839	**104.285521**	2.21	2.1	ug/L
_	Pb	208	660733.490	1.262	**114.266999**	2.61	2.3	ug/L
⌈>	Bi	209	230134.302	230134.302				mg/L
_	U	238	746603.405	3.245	**109.542869**	1.45	1.3	ug/L
	Kr	83	58.667	15.400				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		101.669	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		107.864	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	92.958
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.580
Tl	203	
Tl	205	
Pb	208	
Bi	209	91.467
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023947-01BMSD
Sample Date/Time: Friday, January 04, 2013 17:56:22
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023947-01BMSD.048
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17608.923	-0.003				ug/L
|	Li	7	43101.305	0.147	**115.478465**	4.16	3.6	ug/L
|	Be	9	8736.197	0.031	**107.240249**	1.23	1.1	ug/L
|	B	11	14089.583	0.049	**118.451073**	3.23	2.7	ug/L
|	Na	23	8025665.914	28.165	**15233.397564**	171.89	1.1	ug/L
|	Mg	24	6390470.577	22.449	**18799.535878**	569.47	3.0	ug/L
|	Al	27	5881335.141	20.660	**5656.046565**	93.00	1.6	ug/L
|	Si	28	5637773.882	19.456	**-7494297.060608**	63930.61	0.9	ug/L
|	K	39	6188869.513	21.585	**9267.481233**	214.85	2.3	ug/L
|	Ca	43	114841.049	0.402	**35876.045302**	398.44	1.1	ug/L
\>	Sc	45	284680.704	284680.704				ug/L
|	Ti	49	14856.820	0.050	**117.801872**	5.27	4.5	ug/L
|	Co	59	425856.737	1.496	**192.560903**	1.61	0.8	ug/L
|	Ni	60	58454.704	0.205	**122.340112**	0.92	0.8	ug/L
|	Ni	62	9551.683	0.033	**124.837005**	3.10	2.5	ug/L
|	Cu	63	140059.387	0.491	**109.550521**	0.45	0.4	ug/L
|	Cu	65	72454.265	0.254	**111.109416**	0.33	0.3	ug/L
|	Zn	66	48506.403	0.169	**122.564901**	1.82	1.5	ug/L
|	Zn	67	15658.820	0.048	**180.862042**	8.35	4.6	ug/L
|	Zn	68	42170.967	0.147	**141.964085**	3.79	2.7	ug/L
|	V	51	217696.972	0.767	**107.667649**	1.22	1.1	ug/L
|	Cr	52	212837.354	0.733	**115.771540**	2.40	2.1	ug/L
|	Cr	53	89244.616	0.215	**205.576751**	7.23	3.5	ug/L
|	Mn	55	3475418.552	12.209	**1261.014673**	28.91	2.3	ug/L
|	Fe	54	6155712.670	21.579	**46106.668439**	969.97	2.1	ug/L
⌊	Fe	57	2492256.616	8.751	**44909.363891**	1613.12	3.6	ug/L
⌈	As	75	57103.162	0.072	**93.400319**	5.51	5.9	ug/L
|	Se	77	25084.583	0.027	**502.383324**	19.77	3.9	ug/L
|	Se	82	22982.921	0.029	**434.733532**	11.70	2.7	ug/L
|	Sr	86	448163.660	0.557	**565.712654**	11.55	2.0	ug/L
|	Sr	87	323498.002	0.402	**564.005392**	16.29	2.9	ug/L
|	Sr	88	3917761.014	4.869	**577.630315**	9.24	1.6	ug/L
\>	Y	89	804610.727	804610.727				ug/L
|	Mo	95	89971.199	0.112	**101.417191**	2.49	2.5	ug/L
|	Mo	97	54183.091	0.067	**99.510477**	3.15	3.2	ug/L
⌊	Mo	98	139759.335	0.174	**99.896074**	2.19	2.2	ug/L
⌈	Ag	107	251199.496	0.736	**111.392808**	1.91	1.7	ug/L

	Ag	109	240782.334	0.706	**109.223599**	3.16	2.9	ug/L
	Cd	111	54079.943	0.158	**105.298281**	1.89	1.8	ug/L
	Cd	114	123539.860	0.362	**103.283292**	2.88	2.8	ug/L
>	In	115	341128.698	341128.698				ug/L
	Sn	120	249209.680	0.729	**111.677435**	1.98	1.8	ug/L
	Sb	121	198950.455	0.579	**105.773875**	1.25	1.2	ug/L
	Sb	123	151789.600	0.441	**104.722813**	1.05	1.0	ug/L
	Ba	135	323322.969	0.617	**657.912592**	16.35	2.5	ug/L
	Ba	137	561560.973	1.071	**654.281627**	21.99	3.4	ug/L
	Ce	140	93887.035	0.179	**67487.892873**	1494.28	2.2	ug/L
	Tb	159	503923.567	0.010				ug/L
>	Ho	165	524304.100	524304.100				ug/L
	Tl	203	186026.582	0.355	**103.886879**	2.33	2.2	ug/L
	Tl	205	441556.240	0.842	**104.658781**	3.09	3.0	ug/L
	Pb	208	664094.343	1.267	**114.680214**	2.66	2.3	ug/L
>	Bi	209	229415.361	229415.361				mg/L
	U	238	735803.926	3.207	**108.284569**	1.42	1.3	ug/L
	Kr	83	58.067	14.800				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		103.135	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		110.800	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	94.743
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.712
Tl	203	
Tl	205	
Pb	208	
Bi	209	91.181
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023947-01BPDSD
Sample Date/Time: Friday, January 04, 2013 18:02:13
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023947-01BPDSD.050
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	17695.845	0.000				ug/L
|	Li	7	42265.369	0.151	**593.994792**	12.53	2.1	ug/L
|	Be	9	9093.213	0.033	**585.188126**	14.16	2.4	ug/L
|	B	11	13189.564	0.048	**581.170990**	9.75	1.7	ug/L
|	Na	23	3831832.533	14.085	**38115.527902**	1172.66	3.1	ug/L
|	Mg	24	2728817.448	10.049	**42079.082745**	1109.54	2.6	ug/L
|	Al	27	5856231.709	21.573	**29530.469271**	1660.85	5.6	ug/L
|	Si	28	1088761.252	3.661	**-7219820.828057**	126185.15	1.7	ug/L
|	K	39	4096075.842	14.939	**32063.440014**	2013.51	6.3	ug/L
|	Ca	43	36427.555	0.133	**59152.090275**	1901.24	3.2	ug/L
|								ug/L
| >	Sc	45	271547.363	271547.363				ug/L
|	Ti	49	14064.206	0.050	**584.557551**	7.06	1.2	ug/L
|	Co	59	267532.877	0.985	**634.563937**	6.63	1.0	ug/L
|	Ni	60	52114.999	0.192	**571.594590**	6.54	1.1	ug/L
|	Ni	62	8463.940	0.031	**579.348546**	9.21	1.6	ug/L
|	Cu	63	134693.407	0.495	**552.225488**	3.58	0.6	ug/L
|	Cu	65	68472.940	0.252	**550.369239**	4.40	0.8	ug/L
|	Zn	66	44161.678	0.161	**584.407340**	4.49	0.8	ug/L
|	Zn	67	12066.675	0.038	**681.183760**	17.39	2.6	ug/L
|	Zn	68	34429.143	0.126	**606.118336**	16.98	2.8	ug/L
|	V	51	217787.602	0.805	**564.528734**	8.49	1.5	ug/L
|	Cr	52	198806.047	0.718	**566.775803**	17.69	3.1	ug/L
|	Cr	53	76795.694	0.185	**838.960432**	5.27	0.6	ug/L
|	Mn	55	855748.920	3.151	**1627.642995**	44.26	2.7	ug/L
|	Fe	54	1688557.094	6.176	**65969.904009**	123.04	0.2	ug/L
⌊	Fe	57	688101.182	2.530	**64903.379383**	383.25	0.6	ug/L
⌜	As	75	57449.167	0.080	**520.955462**	23.65	4.5	ug/L
|	Se	77	23893.363	0.028	**2684.100115**	82.57	3.1	ug/L
|	Se	82	24412.294	0.034	**2560.278442**	77.17	3.0	ug/L
|	Sr	86	146601.209	0.202	**1028.658982**	15.19	1.5	ug/L
|	Sr	87	107076.283	0.148	**1036.473140**	13.44	1.3	ug/L
|	Sr	88	1237647.855	1.706	**1014.215109**	13.00	1.3	ug/L
|								ug/L
| >	Y	89	725553.227	725553.227				ug/L
|	Mo	95	86326.222	0.119	**539.418372**	6.44	1.2	ug/L
|	Mo	97	52635.599	0.072	**535.660229**	10.58	2.0	ug/L
|	Mo	98	136974.726	0.189	**542.539358**	6.09	1.1	ug/L
⌊	Mo	98	136974.726	0.189	**542.539358**	6.09	1.1	ug/L
⌜	Ag	107	243854.396	0.731	**553.149377**	19.90	3.6	ug/L

|	Ag	109	237963.253	0.714	**552.155123**	12.04	2.2	ug/L
|	Cd	111	55071.425	0.165	**548.519093**	8.65	1.6	ug/L
|	Cd	114	126781.256	0.380	**542.184145**	6.21	1.1	ug/L
|>	In	115	333354.334	333354.334				ug/L
|	Sn	120	241145.596	0.721	**552.803435**	11.04	2.0	ug/L
|	Sb	121	202580.255	0.603	**551.078062**	7.82	1.4	ug/L
_	Sb	123	154288.044	0.459	**544.540719**	12.43	2.3	ug/L
⌈	Ba	135	104427.237	0.203	**1084.472949**	11.87	1.1	ug/L
|	Ba	137	183910.693	0.358	**1094.248727**	9.73	0.9	ug/L
|	Ce	140	18572.963	0.036	**68230.921853**	714.82	1.0	ug/L
|	Tb	159	490984.431	0.006				ug/L
|>	Ho	165	513217.322	513217.322				ug/L
|	Tl	203	190975.360	0.372	**545.021531**	10.84	2.0	ug/L
|	Tl	205	446128.052	0.869	**540.100843**	6.86	1.3	ug/L
_	Pb	208	624508.863	1.217	**550.690523**	3.11	0.6	ug/L
⌈>	Bi	209	233745.157	233745.157				mg/L
_	U	238	758022.649	3.243	**547.375619**	5.20	0.9	ug/L
	Kr	83	47.267	4.000				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		98.377	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		99.913	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	92.583
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	98.582
Tl	203	
Tl	205	
Pb	208	
Bi	209	92.902
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Friday, January 04, 2013 18:05:09
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\QC Std 4.051
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	17246.630	-0.002				ug/L
|	Li	7	38267.067	0.134	**105.449146**	3.44	3.3	ug/L
|	Be	9	8521.326	0.031	**107.912253**	2.57	2.4	ug/L
|	B	11	11812.345	0.042	**102.359882**	5.60	5.5	ug/L
|	Na	23	2719554.106	9.820	**5317.243635**	86.90	1.6	ug/L
|	Mg	24	1577925.761	5.715	**4786.262506**	114.28	2.4	ug/L
|	Al	27	5356978.419	19.429	**5318.959427**	308.86	5.8	ug/L
|	Si	28	49545.995	-0.168	**22928.095901**	3021.20	13.2	ug/L
|	K	39	3438178.645	12.313	**5284.667438**	270.62	5.1	ug/L
|	Ca	43	16531.020	0.059	**5200.700894**	215.93	4.2	ug/L
|	Sc	45	276087.386	276087.386				ug/L
|	Ti	49	12851.755	0.045	**104.587684**	2.51	2.4	ug/L
|	Co	59	214938.334	0.779	**100.410265**	2.32	2.3	ug/L
|	Ni	60	46752.587	0.169	**100.888055**	2.56	2.5	ug/L
|	Ni	62	7382.997	0.027	**99.387178**	4.11	4.1	ug/L
|	Cu	63	126114.890	0.456	**101.719651**	2.50	2.5	ug/L
|	Cu	65	64471.826	0.233	**101.939787**	2.49	2.4	ug/L
|	Zn	66	41459.681	0.149	**107.871580**	5.19	4.8	ug/L
|	Zn	67	11060.065	0.033	**117.958506**	9.51	8.1	ug/L
|	Zn	68	32179.520	0.116	**111.420728**	3.97	3.6	ug/L
|	V	51	194688.195	0.707	**99.264422**	1.97	2.0	ug/L
|	Cr	52	180418.192	0.639	**100.858651**	0.92	0.9	ug/L
|	Cr	53	71859.587	0.162	**140.294386**	10.07	7.2	ug/L
|	Mn	55	272286.337	0.986	**101.913493**	1.77	1.7	ug/L
|	Fe	54	689434.087	2.456	**5245.123073**	121.92	2.3	ug/L
⌞	Fe	57	280301.313	1.012	**5191.481843**	269.94	5.2	ug/L
⌜	As	75	53853.805	0.075	**98.232600**	1.51	1.5	ug/L
|	Se	77	22537.235	0.027	**504.002522**	16.05	3.2	ug/L
|	Se	82	23519.413	0.033	**496.151914**	12.57	2.5	ug/L
|	Sr	86	71068.369	0.099	**100.699880**	1.31	1.3	ug/L
|	Sr	87	51480.613	0.071	**100.446737**	3.22	3.2	ug/L
|	Sr	88	589900.798	0.818	**97.673775**	3.64	3.7	ug/L
|	Y	89	721215.081	721215.081				ug/L
|	Mo	95	77468.781	0.107	**97.452434**	1.19	1.2	ug/L
|	Mo	97	47947.461	0.066	**98.251200**	0.72	0.7	ug/L
⌞	Mo	98	122268.404	0.170	**97.523578**	2.76	2.8	ug/L
⌜	Ag	107	220915.453	0.662	**100.116847**	1.28	1.3	ug/L

|	Ag	109	214172.943	0.641	**99.304494**	1.38	1.4	ug/L
|	Cd	111	50781.972	0.152	**101.030757**	0.61	0.6	ug/L
|	Cd	114	115869.140	0.347	**98.969096**	1.24	1.3	ug/L
|>	In	115	333934.257	333934.257				ug/L
|	Sn	120	216336.962	0.646	**99.085323**	0.89	0.9	ug/L
|	Sb	121	184430.120	0.548	**100.175762**	1.98	2.0	ug/L
_	Sb	123	142024.014	0.422	**100.103602**	1.67	1.7	ug/L
⌈	Ba	135	47276.643	0.091	**97.243076**	1.16	1.2	ug/L
|	Ba	137	83671.354	0.162	**98.772058**	0.75	0.8	ug/L
|	Ce	140	164.668	0.000	**130.120321**	18.77	14.4	ug/L
|	Tb	159	488518.231	-0.007				ug/L
|>	Ho	165	517302.560	517302.560				ug/L
|	Tl	203	172352.847	0.333	**97.526529**	1.76	1.8	ug/L
|	Tl	205	406773.301	0.786	**97.688747**	1.25	1.3	ug/L
_	Pb	208	557728.654	1.078	**97.563097**	0.23	0.2	ug/L
⌈>	Bi	209	238645.224	238645.224				mg/L
_	U	238	692028.994	2.900	**97.947317**	0.87	0.9	ug/L
	Kr	83	46.200	2.933				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7	105.449		
Be	9	107.912		
B	11	102.360		
Na	23	106.345		
Mg	24	95.725		
Al	27	104.293		
Si	28	458.562		
K	39	105.693		
Ca	43	104.014		
Sc	45		100.022	
Ti	49	104.588		
Co	59	100.410		
Ni	60	100.888		
Ni	62	99.387		
Cu	63	101.720		
Cu	65	101.940		
Zn	66	107.872		
Zn	67	117.959		
Zn	68	111.421		
V	51	99.264		
Cr	52	100.859		
Cr	53	140.294		
Mn	55	101.913		
Fe	54	104.902		
Fe	57	103.830		
As	75	98.233		
Se	77	100.801		
Se	82	99.230		
Sr	86	100.700		
Sr	87	100.447		
Sr	88	97.674		
Y	89		99.316	
Mo	95	97.452		

Mo	97	98.251	
Mo	98	97.524	
Ag	107	100.117	
Ag	109	99.304	
Cd	111	101.031	
Cd	114	98.969	
In	115		92.744
Sn	120	99.085	
Sb	121	100.176	
Sb	123	100.104	
Ba	135	97.243	
Ba	137	98.772	
Ce	140	130.120	
Tb	159		
Ho	165		99.367
Tl	203	97.527	
Tl	205	97.689	
Pb	208	97.563	
Bi	209		94.850
U	238	97.947	
Kr	83		

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Friday, January 04, 2013 18:08:06
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\QC Std 6.052
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17790.302	0.001				ug/L
|	Li	7	1266.088	0.000	**0.114739**	0.07	62.8	ug/L
|	Be	9	16.667	-0.000	**0.227003**	0.09	41.2	ug/L
|	B	11	383.342	0.000	**2.538424**	0.55	21.7	ug/L
|	Na	23	7136.133	-0.003	**7.770386**	0.30	3.9	ug/L
|	Mg	24	1300.098	0.003	**3.318117**	1.05	31.7	ug/L
|	Al	27	2401.984	0.008	**1.201495**	0.10	8.3	ug/L
|	Si	28	48241.669	-0.169	**23290.345113**	1001.65	4.3	ug/L
|	K	39	42532.613	0.005	**-2.115454**	2.06	97.6	ug/L
|	Ca	43	637.356	0.001	**58.946571**	27.36	46.4	ug/L
|>	Sc	45	269997.035	269997.035				ug/L
|	Ti	49	713.361	0.001	**1.356437**	0.28	20.6	ug/L
|	Co	59	85.334	0.000	**0.342136**	0.01	3.9	ug/L
|	Ni	60	72.000	0.000	**-0.247405**	0.03	10.9	ug/L
|	Ni	62	33.333	-0.000	**-0.464391**	0.11	23.9	ug/L
|	Cu	63	228.003	0.000	**-0.468222**	0.02	3.7	ug/L
|	Cu	65	113.334	0.000	**-0.580547**	0.01	1.0	ug/L
|	Zn	66	1374.771	0.004	**1.603004**	0.32	20.2	ug/L
|	Zn	67	4358.379	0.009	**16.848732**	2.30	13.7	ug/L
|	Zn	68	1102.734	0.003	**2.219530**	0.32	14.3	ug/L
|	V	51	-3094.151	-0.009	**-1.220090**	0.55	45.1	ug/L
|	Cr	52	5056.741	0.004	**0.223131**	0.07	29.7	ug/L
|	Cr	53	49934.779	0.087	**47.408403**	2.66	5.6	ug/L
|	Mn	55	583.352	0.001	**0.253683**	0.02	8.0	ug/L
|	Fe	54	12059.457	0.003	**2.195417**	3.79	172.9	ug/L
⌊	Fe	57	1352.767	0.001	**0.197565**	1.18	596.6	ug/L
⌈	As	75	-421.521	0.000	**0.215830**	0.14	64.8	ug/L
|	Se	77	4273.671	0.002	**15.059833**	0.73	4.8	ug/L
|	Se	82	2.136	0.000	**2.253743**	0.12	5.2	ug/L
|	Sr	86	35.795	0.000	**0.782173**	0.01	1.3	ug/L
|	Sr	87	55.739	0.000	**0.444273**	0.02	3.8	ug/L
|	Sr	88	580.685	0.000	**0.822760**	0.01	0.7	ug/L
|>	Y	89	704105.680	704105.680				ug/L
|	Mo	95	56.667	0.000	**0.763818**	0.01	1.6	ug/L
|	Mo	97	37.333	0.000	**0.298200**	0.02	5.3	ug/L
⌊	Mo	98	63.653	0.000	**0.466748**	0.00	0.4	ug/L
⌈	Ag	107	53.333	0.000	**0.383394**	0.01	1.3	ug/L

|	Ag	109	50.667	0.000	**0.436154**	0.01	1.8	ug/L
|	Cd	111	23.500	0.000	**0.334708**	0.01	1.6	ug/L
|	Cd	114	49.496	0.000	**0.279604**	0.01	3.5	ug/L
|>	In	115	335725.468	335725.468				ug/L
|	Sn	120	655.803	0.000	**0.724741**	0.03	4.1	ug/L
|	Sb	121	1618.811	0.001	**0.538617**	0.03	5.1	ug/L
|	Sb	123	1258.572	0.000	**0.592854**	0.03	4.8	ug/L
⌈	Ba	135	68.000	0.000	**-0.129768**	0.01	10.0	ug/L
|	Ba	137	92.667	0.000	**0.116627**	0.02	17.5	ug/L
|	Ce	140	11.333	-0.000	**18.719738**	2.27	12.1	ug/L
|	Tb	159	483364.726	0.004				ug/L
|>	Ho	165	506202.252	506202.252				ug/L
|	Tl	203	92.667	0.000	**-0.272333**	0.01	2.1	ug/L
|	Tl	205	226.669	0.000	**-0.132126**	0.00	0.9	ug/L
⌊	Pb	208	222.001	0.000	**-0.163821**	0.00	2.2	ug/L
⌈>	Bi	209	237808.871	237808.871				mg/L
⌊	U	238	118.667	0.000	**0.470709**	0.00	0.4	ug/L
	Kr	83	42.200	-1.067				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		97.816	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		96.960	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	93.242
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	97.235
Tl	203	
Tl	205	
Pb	208	
Bi	209	94.517
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-22A
Sample Date/Time: Friday, January 04, 2013 18:11:02
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-22A.053
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	19107.741	-0.003				ug/L
|	Li	7	5933.271	0.015	**11.592862**	0.49	4.3	ug/L
|	Be	9	88.000	0.000	**1.013693**	0.21	20.5	ug/L
|	B	11	8740.868	0.028	**67.663102**	2.19	3.2	ug/L
|	Na	23	18744003.682	60.985	**32974.354268**	2397.96	7.3	ug/L
|	Mg	24	820426.077	2.666	**2233.489353**	46.56	2.1	ug/L
|	Al	27	1014682.028	3.299	**902.524070**	31.36	3.5	ug/L
|	Si	28	21880292.614	70.803	**-27162917.162572**	437371.25	1.6	ug/L
|	K	39	614524.938	1.843	**787.613810**	39.76	5.0	ug/L
|	Ca	43	22019.985	0.071	**6242.046715**	87.00	1.4	ug/L
|>	Sc	45	307616.091	307616.091				ug/L
|	Ti	49	2613.709	0.007	**15.131540**	0.91	6.0	ug/L
|	Co	59	11284.336	0.037	**5.016994**	0.10	2.0	ug/L
|	Ni	60	4254.996	0.014	**7.867174**	0.26	3.3	ug/L
|	Ni	62	677.359	0.002	**7.335828**	0.73	9.9	ug/L
|	Cu	63	2264.282	0.007	**0.991748**	0.05	4.8	ug/L
|	Cu	65	993.388	0.003	**0.654899**	0.09	14.5	ug/L
|	Zn	66	8406.555	0.026	**17.892531**	1.14	6.4	ug/L
|	Zn	67	7737.967	0.018	**54.833527**	3.48	6.4	ug/L
|	Zn	68	6890.612	0.022	**19.989958**	0.62	3.1	ug/L
|	V	51	6253.595	0.023	**3.228940**	0.68	21.2	ug/L
|	Cr	52	15129.253	0.035	**5.052501**	0.14	2.7	ug/L
|	Cr	53	68576.344	0.125	**93.958361**	10.02	10.7	ug/L
|	Mn	55	431925.060	1.403	**145.052140**	2.98	2.1	ug/L
|	Fe	54	609482.688	1.939	**4139.961857**	43.54	1.1	ug/L
⌞	Fe	57	242324.502	0.783	**4017.066100**	28.97	0.7	ug/L
⌜	As	75	4596.232	0.006	**8.274997**	0.40	4.9	ug/L
|	Se	77	7535.131	0.005	**75.068358**	6.98	9.3	ug/L
|	Se	82	24.893	0.000	**2.666579**	0.01	0.5	ug/L
|	Sr	86	23567.661	0.029	**29.795815**	0.63	2.1	ug/L
|	Sr	87	17972.593	0.022	**30.979419**	0.47	1.5	ug/L
|	Sr	88	197827.990	0.240	**29.249352**	0.52	1.8	ug/L
|>	Y	89	822065.347	822065.347				ug/L
|	Mo	95	94.667	0.000	**0.795781**	0.03	3.6	ug/L
|	Mo	97	82.667	0.000	**0.368965**	0.03	8.7	ug/L
⌞	Mo	98	131.654	0.000	**0.506403**	0.01	2.9	ug/L
⌜	Ag	107	47.333	0.000	**0.379996**	0.01	1.4	ug/L

|	Ag	109	35.333	0.000	**0.428492**	0.00	0.8	ug/L
|	Cd	111	76.500	0.000	**0.433730**	0.01	3.1	ug/L
|	Cd	114	174.811	0.000	**0.380547**	0.03	7.6	ug/L
|>	In	115	348789.708	348789.708				ug/L
|	Sn	120	1749.281	0.003	**1.191380**	0.05	4.0	ug/L
|	Sb	121	12100.716	0.030	**5.974520**	0.09	1.6	ug/L
|	Sb	123	9454.072	0.024	**6.104149**	0.17	2.7	ug/L
|	Ba	135	31704.528	0.059	**63.146848**	0.73	1.2	ug/L
|	Ba	137	55292.995	0.104	**63.301675**	0.89	1.4	ug/L
|	Ce	140	131226.560	0.246	**92681.200903**	549.33	0.6	ug/L
|	Tb	159	512808.067	0.010				ug/L
|>	Ho	165	533516.258	533516.258				ug/L
|	Tl	203	80.667	0.000	**-0.281673**	0.00	0.7	ug/L
|	Tl	205	187.335	0.000	**-0.144052**	0.01	5.3	ug/L
|	Pb	208	26271.545	0.049	**4.261470**	0.04	0.8	ug/L
|>	Bi	209	235799.329	235799.329				mg/L
|	U	238	1936.207	0.008	**0.730097**	0.02	2.3	ug/L
	Kr	83	47.667	4.400				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		111.445	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		113.204	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	96.870
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	102.481
Tl	203	
Tl	205	
Pb	208	
Bi	209	93.719
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-23A
Sample Date/Time: Friday, January 04, 2013 18:13:57
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-23A.054
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	17491.629	-0.006				ug/L
|	Li	7	36741.467	0.120	**93.962089**	1.20	1.3	ug/L
|	Be	9	928.047	0.003	**10.964283**	0.18	1.6	ug/L
|	B	11	4817.279	0.015	**38.322331**	1.46	3.8	ug/L
|	Na	23	48535197.939	163.905	**88606.358288**	2236.51	2.5	ug/L
|	Mg	24	10995664.060	37.129	**31092.449266**	894.02	2.9	ug/L
|	Al	27	8528081.413	28.801	**7885.110945**	253.05	3.2	ug/L
|	Si	28	23715686.277	79.736	**-30584844.916063**	473630.91	1.5	ug/L
|	K	39	1405196.724	4.593	**1968.640165**	9.87	0.5	ug/L
|	Ca	43	252131.098	0.850	**75880.394476**	1878.49	2.5	ug/L
|								ug/L
| >	Sc	45	296109.650	296109.650				ug/L
|	Ti	49	1764.838	0.004	**9.151302**	0.29	3.2	ug/L
|	Co	59	106951.578	0.361	**46.708936**	1.19	2.6	ug/L
|	Ni	60	24599.932	0.083	**49.250953**	0.97	2.0	ug/L
|	Ni	62	3944.856	0.013	**48.990622**	0.78	1.6	ug/L
|	Cu	63	2482.339	0.008	**1.219497**	0.06	4.9	ug/L
|	Cu	65	1054.728	0.003	**0.801162**	0.06	7.6	ug/L
|	Zn	66	51406.267	0.172	**124.936217**	2.26	1.8	ug/L
|	Zn	67	14634.453	0.043	**157.278230**	7.71	4.9	ug/L
|	Zn	68	39444.096	0.132	**127.477494**	2.34	1.8	ug/L
|	V	51	92959.073	0.316	**44.425001**	1.30	2.9	ug/L
|	Cr	52	67855.039	0.215	**33.583425**	0.08	0.2	ug/L
|	Cr	53	73338.022	0.149	**124.583375**	4.25	3.4	ug/L
|	Mn	55	6825118.605	23.044	**2380.039550**	38.79	1.6	ug/L
|	Fe	54	5229431.117	17.613	**37631.951160**	962.20	2.6	ug/L
⌊	Fe	57	2038347.540	6.874	**35276.519356**	2249.57	6.4	ug/L
⌜	As	75	1241.492	0.002	**2.432244**	0.07	2.7	ug/L
|	Se	77	7990.845	0.003	**35.127429**	2.40	6.8	ug/L
|	Se	82	46.851	0.000	**2.839463**	0.04	1.3	ug/L
|	Sr	86	353039.185	0.314	**319.077374**	10.16	3.2	ug/L
|	Sr	87	258543.074	0.230	**322.473476**	6.46	2.0	ug/L
|	Sr	88	3096890.403	2.753	**326.940720**	7.47	2.3	ug/L
|								ug/L
| >	Y	89	1125301.993	1125301.993				ug/L
|	Mo	95	71.334	0.000	**0.748605**	0.01	1.4	ug/L
|	Mo	97	50.667	0.000	**0.286410**	0.01	4.5	ug/L
⌊	Mo	98	61.214	0.000	**0.446051**	0.00	1.0	ug/L
⌜	Ag	107	62.667	0.000	**0.387368**	0.00	1.1	ug/L

|	Ag	109	33.333	0.000	**0.428089**	0.00	0.8	ug/L
|	Cd	111	1293.592	0.004	**2.819909**	0.07	2.4	ug/L
|	Cd	114	2857.410	0.008	**2.638599**	0.05	2.0	ug/L
|>	In	115	338635.606	338635.606				ug/L
|	Sn	120	382.233	-0.001	**0.598739**	0.01	2.4	ug/L
|	Sb	121	1602.808	0.000	**0.523202**	0.03	5.5	ug/L
_	Sb	123	1289.061	0.000	**0.606829**	0.01	1.4	ug/L
⌈	Ba	135	7519.112	0.014	**14.539168**	0.37	2.5	ug/L
|	Ba	137	13161.525	0.024	**14.845062**	0.09	0.6	ug/L
|	Ce	140	677800.595	1.252	**471557.275066**	2667.22	0.6	ug/L
|	Tb	159	517377.130	0.004				ug/L
|>	Ho	165	541521.818	541521.818				ug/L
|	Tl	203	98.667	0.000	**-0.272625**	0.00	0.8	ug/L
|	Tl	205	257.337	0.000	**-0.128649**	0.01	4.0	ug/L
_	Pb	208	8401.526	0.015	**1.203617**	0.03	2.4	ug/L
⌈>	Bi	209	221085.724	221085.724				mg/L
_	U	238	11906.459	0.054	**2.264784**	0.02	0.9	ug/L
	Kr	83	87.134	43.867				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		107.276	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		154.961	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	94.050
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	104.019
Tl	203	
Tl	205	
Pb	208	
Bi	209	87.871
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-25A
Sample Date/Time: Friday, January 04, 2013 18:16:54
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-25A.055
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌈	Li	6	18413.946	0.000				
|	Li	7	4901.989	0.013	**10.036487**	0.16	1.6	ug/L
|	Be	9	20.000	-0.000	**0.256565**	0.08	31.8	ug/L
|	B	11	12616.082	0.044	**106.557999**	0.89	0.8	ug/L
|	Na	23	32106706.100	113.373	**61291.865888**	2816.17	4.6	ug/L
|	Mg	24	751353.105	2.652	**2221.822811**	49.87	2.2	ug/L
|	Al	27	12900.822	0.044	**11.238573**	0.25	2.2	ug/L
|	Si	28	11347127.401	39.727	**-15258982.814151**	219431.11	1.4	ug/L
|	K	39	664757.826	2.195	**938.793744**	30.35	3.2	ug/L
|	Ca	43	15754.978	0.055	**4819.596157**	173.00	3.6	ug/L
|>	Sc	45	283152.500	283152.500				ug/L
|	Ti	49	1329.431	0.003	**6.181285**	0.53	8.6	ug/L
|	Co	59	210.669	0.001	**0.397157**	0.01	2.7	ug/L
|	Ni	60	428.010	0.001	**0.497055**	0.02	4.8	ug/L
|	Ni	62	94.667	0.000	**0.327382**	0.22	66.6	ug/L
|	Cu	63	2160.924	0.007	**1.051745**	0.02	1.9	ug/L
|	Cu	65	705.361	0.002	**0.330232**	0.07	22.0	ug/L
|	Zn	66	2224.273	0.006	**3.620519**	0.26	7.1	ug/L
|	Zn	67	6857.255	0.017	**50.947444**	3.81	7.5	ug/L
|	Zn	68	2022.892	0.006	**5.189929**	0.38	7.4	ug/L
|	V	51	-4258.956	-0.012	**-1.713648**	0.55	31.9	ug/L
|	Cr	52	8180.346	0.015	**1.836328**	0.15	8.0	ug/L
|	Cr	53	70706.126	0.152	**127.162666**	13.45	10.6	ug/L
|	Mn	55	33061.357	0.116	**12.089076**	0.03	0.3	ug/L
|	Fe	54	32652.473	0.073	**153.163111**	3.14	2.1	ug/L
⌊	Fe	57	6231.471	0.018	**87.393312**	3.06	3.5	ug/L
⌈	As	75	184.149	0.001	**1.319111**	0.50	37.6	ug/L
|	Se	77	7618.529	0.006	**98.631182**	11.30	11.5	ug/L
|	Se	82	1.575	0.000	**2.240464**	0.21	9.4	ug/L
|	Sr	86	24736.850	0.034	**34.884183**	0.43	1.2	ug/L
|	Sr	87	18174.641	0.025	**35.013412**	0.91	2.6	ug/L
|	Sr	88	207682.203	0.282	**34.219107**	0.38	1.1	ug/L
|>	Y	89	734588.749	734588.749				ug/L
|	Mo	95	2115.580	0.003	**3.285467**	0.01	0.3	ug/L
|	Mo	97	1247.419	0.002	**2.723602**	0.11	3.9	ug/L
⌊	Mo	98	3172.727	0.004	**2.888886**	0.04	1.5	ug/L
⌈	Ag	107	32.000	0.000	**0.373986**	0.00	0.7	ug/L

|	Ag	109	21.333	-0.000	**0.422779**	0.00	0.7	ug/L
|	Cd	111	24.167	0.000	**0.336515**	0.00	0.9	ug/L
|	Cd	114	60.722	0.000	**0.289570**	0.00	1.3	ug/L
|>	In	115	332712.005	332712.005				ug/L
|	Sn	120	438.355	-0.001	**0.627529**	0.02	2.5	ug/L
|	Sb	121	1486.122	0.000	**0.474194**	0.00	0.3	ug/L
L	Sb	123	1130.215	-0.000	**0.510205**	0.01	2.4	ug/L
⌈	Ba	135	13089.420	0.025	**26.349720**	0.58	2.2	ug/L
|	Ba	137	22413.600	0.043	**26.092330**	0.27	1.0	ug/L
|	Ce	140	794.701	0.001	**580.954343**	12.78	2.2	ug/L
|	Tb	159	496912.073	-0.004				ug/L
|>	Ho	165	524645.388	524645.388				ug/L
|	Tl	203	29.333	-0.000	**-0.309687**	0.00	0.2	ug/L
|	Tl	205	60.667	-0.000	**-0.173461**	0.00	0.7	ug/L
L	Pb	208	1790.736	0.003	**0.105926**	0.01	9.8	ug/L
⌈>	Bi	209	226901.450	226901.450				mg/L
L	U	238	56.667	0.000	**0.462303**	0.00	0.4	ug/L
	Kr	83	45.800	2.533				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		102.582	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		101.158	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	92.405
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.777
Tl	203	
Tl	205	
Pb	208	
Bi	209	90.182
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-27A
Sample Date/Time: Friday, January 04, 2013 18:19:49
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-27A.056
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	17421.064	-0.001				
|	Li	7	16102.251	0.055	**43.041699**	1.44	3.3	ug/L
|	Be	9	14.000	-0.000	**0.188969**	0.09	46.4	ug/L
|	B	11	8296.454	0.030	**72.739935**	1.04	1.4	ug/L
|	Na	23	43761880.232	161.080	**87079.331676**	1325.46	1.5	ug/L
|	Mg	24	7975417.385	29.360	**24586.626211**	354.09	1.4	ug/L
|	Al	27	9948.778	0.035	**8.798838**	0.45	5.1	ug/L
|	Si	28	12748534.476	46.575	**-17882250.695561**	29788.38	0.2	ug/L
|	K	39	1640621.877	5.890	**2525.785411**	90.31	3.6	ug/L
|	Ca	43	162273.024	0.597	**53211.225271**	915.75	1.7	ug/L
|								ug/L
| >	Sc	45	271701.263	271701.263				
|	Ti	49	1225.416	0.003	**5.745396**	0.21	3.7	ug/L
|	Co	59	394.675	0.001	**0.488100**	0.02	3.2	ug/L
|	Ni	60	720.695	0.003	**1.180203**	0.06	5.5	ug/L
|	Ni	62	129.334	0.000	**0.850386**	0.35	41.2	ug/L
|	Cu	63	2018.224	0.007	**1.006618**	0.05	5.1	ug/L
|	Cu	65	600.020	0.002	**0.206530**	0.08	36.9	ug/L
|	Zn	66	3243.248	0.010	**6.598601**	0.55	8.3	ug/L
|	Zn	67	8067.578	0.023	**74.145870**	4.65	6.3	ug/L
|	Zn	68	6906.624	0.025	**22.915475**	0.03	0.1	ug/L
|	V	51	1796.665	0.009	**1.321263**	0.50	38.1	ug/L
|	Cr	52	7351.640	0.013	**1.544517**	0.05	3.5	ug/L
|	Cr	53	69584.765	0.158	**134.962199**	1.94	1.4	ug/L
|	Mn	55	6533.682	0.023	**2.515562**	0.11	4.2	ug/L
|	Fe	54	23889.727	0.046	**94.669031**	2.84	3.0	ug/L
⌊	Fe	57	6139.406	0.018	**90.518269**	3.95	4.4	ug/L
⌜	As	75	-700.492	-0.000	**-0.299671**	0.36	121.2	ug/L
|	Se	77	8377.863	0.007	**126.499013**	10.68	8.4	ug/L
|	Se	82	2.787	0.000	**2.271649**	0.13	5.5	ug/L
|	Sr	86	253443.533	0.357	**362.995554**	5.79	1.6	ug/L
|	Sr	87	186837.805	0.263	**369.491863**	12.15	3.3	ug/L
|	Sr	88	2237522.995	3.153	**374.366793**	12.26	3.3	ug/L
|								ug/L
| >	Y	89	709895.216	709895.216				
|	Mo	95	2240.944	0.003	**3.539272**	0.26	7.3	ug/L
|	Mo	97	1449.449	0.002	**3.232382**	0.07	2.0	ug/L
⌊	Mo	98	3633.859	0.005	**3.350662**	0.16	4.9	ug/L
⌜	Ag	107	29.333	0.000	**0.373442**	0.00	0.9	ug/L

|	Ag	109	19.333	-0.000	**0.422267**	0.00	0.4	ug/L
|	Cd	111	30.000	0.000	**0.351322**	0.02	4.4	ug/L
|	Cd	114	72.594	0.000	**0.302901**	0.01	1.7	ug/L
|>	In	115	316218.248	316218.248				ug/L
|	Sn	120	340.232	-0.001	**0.590821**	0.01	1.8	ug/L
|	Sb	121	1622.145	0.001	**0.594666**	0.03	4.3	ug/L
|	Sb	123	1261.057	0.000	**0.649793**	0.04	6.3	ug/L
⌈	Ba	135	258946.962	0.518	**552.892997**	9.89	1.8	ug/L
|	Ba	137	457938.758	0.917	**559.819398**	10.02	1.8	ug/L
|	Ce	140	960.718	0.002	**734.759339**	33.52	4.6	ug/L
|	Tb	159	474327.612	-0.002				ug/L
|>	Ho	165	499507.632	499507.632				ug/L
|	Tl	203	36.667	-0.000	**-0.304538**	0.00	0.8	ug/L
|	Tl	205	89.334	0.000	**-0.165608**	0.00	1.7	ug/L
⌊	Pb	208	2509.469	0.005	**0.251998**	0.02	7.9	ug/L
⌈>	Bi	209	211889.626	211889.626				mg/L
⌊	U	238	12931.191	0.061	**2.505733**	0.03	1.2	ug/L
	Kr	83	52.667	9.400				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		98.433	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		97.757	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	87.824
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	95.949
Tl	203	
Tl	205	
Pb	208	
Bi	209	84.216
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-28A
Sample Date/Time: Friday, January 04, 2013 18:22:45
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-28A.057
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18505.210	0.002				ug/L
|	Li	7	3251.915	0.007	**5.606033**	0.30	5.3	ug/L
|	Be	9	42.667	0.000	**0.543790**	0.06	10.4	ug/L
|	B	11	10986.641	0.038	**94.150756**	1.34	1.4	ug/L
|	Na	23	50967132.164	182.824	**98832.509647**	691.76	0.7	ug/L
|	Mg	24	5955948.289	21.332	**17864.071946**	973.25	5.4	ug/L
|	Al	27	367710.086	1.318	**359.986752**	9.05	2.5	ug/L
|	Si	28	7224469.178	25.563	**-9833744.801977**	44928.54	0.5	ug/L
|	K	39	2970154.326	10.490	**4501.779572**	193.04	4.3	ug/L
|	Ca	43	101382.024	0.363	**32315.573102**	676.67	2.1	ug/L
| >	Sc	45	278783.677	278783.677				ug/L
|	Ti	49	504.014	0.000	**-0.601050**	0.52	86.2	ug/L
|	Co	59	11433.863	0.041	**5.571708**	0.06	1.0	ug/L
|	Ni	60	2112.913	0.007	**4.121418**	0.14	3.5	ug/L
|	Ni	62	332.006	0.001	**3.547694**	0.42	11.8	ug/L
|	Cu	63	1608.810	0.005	**0.633828**	0.07	11.6	ug/L
|	Cu	65	421.343	0.001	**-0.101775**	0.05	52.4	ug/L
|	Zn	66	4843.959	0.016	**10.591811**	0.42	3.9	ug/L
|	Zn	67	3071.189	0.004	**-4.803132**	4.02	83.7	ug/L
|	Zn	68	4610.502	0.016	**14.310094**	0.50	3.5	ug/L
|	V	51	4614.562	0.019	**2.709805**	0.17	6.3	ug/L
|	Cr	52	4771.921	0.003	**-0.031608**	0.11	353.5	ug/L
|	Cr	53	26652.142	-0.003	**-62.594369**	14.32	22.9	ug/L
|	Mn	55	1197862.876	4.296	**443.780162**	5.98	1.3	ug/L
|	Fe	54	642117.878	2.262	**4830.426463**	124.49	2.6	ug/L
⌊	Fe	57	259339.567	0.926	**4748.081014**	36.64	0.8	ug/L
⌈	As	75	66395.976	0.092	**120.501641**	0.96	0.8	ug/L
|	Se	77	1193.413	-0.003	**-70.786820**	5.18	7.3	ug/L
|	Se	82	15.856	0.000	**2.541169**	0.09	3.7	ug/L
|	Sr	86	159228.572	0.220	**224.025314**	3.43	1.5	ug/L
|	Sr	87	116291.177	0.161	**225.735004**	3.07	1.4	ug/L
|	Sr	88	1313142.694	1.816	**215.884919**	3.62	1.7	ug/L
| >	Y	89	723521.353	723521.353				ug/L
|	Mo	95	730.696	0.001	**1.601866**	0.02	1.5	ug/L
|	Mo	97	430.010	0.001	**1.100600**	0.12	11.1	ug/L
⌊	Mo	98	1071.205	0.001	**1.263116**	0.04	3.5	ug/L
⌈	Ag	107	25.333	-0.000	**0.370887**	0.00	0.5	ug/L

|	Ag	109	26.667	-0.000	**0.425173**	0.00	0.4	ug/L
|	Cd	111	320.172	0.001	**0.922060**	0.03	3.4	ug/L
|	Cd	114	771.321	0.002	**0.892802**	0.01	1.2	ug/L
|>	In	115	335089.892	335089.892				ug/L
|	Sn	120	167.755	-0.001	**0.503214**	0.00	0.7	ug/L
|	Sb	121	1441.448	0.000	**0.444210**	0.02	5.3	ug/L
L	Sb	123	1171.642	-0.000	**0.534485**	0.04	7.8	ug/L
⌈	Ba	135	59872.948	0.118	**125.330561**	1.79	1.4	ug/L
|	Ba	137	104611.828	0.206	**125.585806**	1.60	1.3	ug/L
|	Ce	140	31849.087	0.063	**23614.774224**	452.72	1.9	ug/L
|	Tb	159	486341.741	0.005				ug/L
|>	Ho	165	508670.729	508670.729				ug/L
|	Tl	203	60.000	0.000	**-0.291365**	0.00	1.4	ug/L
|	Tl	205	128.001	0.000	**-0.156474**	0.00	1.8	ug/L
L	Pb	208	5955.426	0.011	**0.858975**	0.03	3.8	ug/L
⌈>	Bi	209	228916.557	228916.557				mg/L
L	U	238	600.020	0.003	**0.541959**	0.00	0.5	ug/L
	Kr	83	43.933	0.667				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		100.999	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		99.634	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	93.065
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	97.709
Tl	203	
Tl	205	
Pb	208	
Bi	209	90.983
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-30A
Sample Date/Time: Friday, January 04, 2013 18:25:41
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-30A.058
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	19523.882	0.005				ug/L
|	Li	7	4823.946	0.013	**9.971605**	0.43	4.3	ug/L
|	Be	9	17.333	-0.000	**0.227997**	0.06	26.6	ug/L
|	B	11	11299.686	0.039	**96.463690**	4.99	5.2	ug/L
|	Na	23	45340050.314	161.578	**87348.627770**	4032.40	4.6	ug/L
|	Mg	24	189015.488	0.672	**563.990838**	19.02	3.4	ug/L
|	Al	27	48836.153	0.173	**46.456847**	1.34	2.9	ug/L
|	Si	28	9534791.116	33.687	**-12945452.067540**	169918.57	1.3	ug/L
|	K	39	485051.842	1.578	**673.599775**	5.70	0.8	ug/L
|	Ca	43	6801.215	0.023	**2015.014141**	40.56	2.0	ug/L
| >	Sc	45	280233.266	280233.266				ug/L
|	Ti	49	426.677	-0.000	**-1.277323**	0.05	3.7	ug/L
|	Co	59	245.337	0.001	**0.414588**	0.03	6.6	ug/L
|	Ni	60	1957.544	0.007	**3.768616**	0.02	0.5	ug/L
|	Ni	62	401.342	0.001	**4.436066**	0.58	13.1	ug/L
|	Cu	63	2170.926	0.007	**1.077140**	0.06	5.3	ug/L
|	Cu	65	685.359	0.002	**0.309505**	0.04	13.8	ug/L
|	Zn	66	2230.942	0.007	**3.694712**	0.27	7.3	ug/L
|	Zn	67	1888.196	-0.000	**-22.785546**	1.09	4.8	ug/L
|	Zn	68	1812.181	0.006	**4.538110**	0.47	10.3	ug/L
|	V	51	1406.294	0.008	**1.102693**	0.41	37.0	ug/L
|	Cr	52	3427.980	-0.002	**-0.805027**	0.05	6.4	ug/L
|	Cr	53	19486.919	-0.029	**-94.537099**	5.55	5.9	ug/L
|	Mn	55	105169.526	0.375	**38.821447**	1.24	3.2	ug/L
|	Fe	54	21102.605	0.033	**67.708105**	2.78	4.1	ug/L
⌊	Fe	57	4916.663	0.013	**64.575121**	2.86	4.4	ug/L
⌜	As	75	492.942	0.001	**1.890098**	0.06	3.0	ug/L
|	Se	77	784.701	-0.003	**-81.475213**	0.74	0.9	ug/L
|	Se	82	-4.264	-0.000	**2.115520**	0.12	5.7	ug/L
|	Sr	86	11219.466	0.016	**16.613436**	0.33	2.0	ug/L
|	Sr	87	7996.252	0.011	**15.984775**	0.35	2.2	ug/L
|	Sr	88	92578.405	0.129	**16.029453**	0.28	1.7	ug/L
| >	Y	89	716476.716	716476.716				ug/L
|	Mo	95	1224.749	0.002	**2.229736**	0.06	2.9	ug/L
|	Mo	97	747.364	0.001	**1.756771**	0.09	5.1	ug/L
⌊	Mo	98	1864.146	0.003	**1.904428**	0.03	1.7	ug/L
⌜	Ag	107	18.000	-0.000	**0.367430**	0.00	0.5	ug/L

|	Ag	109	21.333	-0.000	**0.422497**	0.00	0.9	ug/L
|	Cd	111	35.667	0.000	**0.357362**	0.01	2.3	ug/L
|	Cd	114	90.969	0.000	**0.312960**	0.00	1.2	ug/L
|>	In	115	343144.158	343144.158				ug/L
|	Sn	120	682.514	0.000	**0.729457**	0.03	3.8	ug/L
|	Sb	121	1467.452	-0.000	**0.440056**	0.02	5.1	ug/L
|	Sb	123	1135.642	-0.000	**0.489807**	0.02	4.8	ug/L
⌈	Ba	135	7864.738	0.015	**15.817489**	0.33	2.1	ug/L
|	Ba	137	13719.681	0.026	**16.072981**	0.17	1.1	ug/L
|	Ce	140	7469.068	0.014	**5406.944010**	28.21	0.5	ug/L
|	Tb	159	497684.777	0.003				ug/L
|>	Ho	165	521418.806	521418.806				ug/L
|	Tl	203	26.000	-0.000	**-0.311511**	0.00	1.2	ug/L
|	Tl	205	54.667	-0.000	**-0.174790**	0.00	1.1	ug/L
⌊	Pb	208	7486.550	0.014	**1.098613**	0.02	1.9	ug/L
⌈>	Bi	209	237663.991	237663.991				mg/L
⌊	U	238	720.695	0.003	**0.555774**	0.01	1.7	ug/L
	Kr	83	42.200	-1.067				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		101.524	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		98.663	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	95.302
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.158
Tl	203	
Tl	205	
Pb	208	
Bi	209	94.460
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-33A
Sample Date/Time: Friday, January 04, 2013 18:28:36
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-33A.059
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	19027.717	0.005				ug/L
|	Li	7	4094.256	0.010	**8.146302**	0.25	3.1	ug/L
|	Be	9	16.667	-0.000	**0.222629**	0.04	17.8	ug/L
|	B	11	13138.155	0.047	**114.506605**	2.08	1.8	ug/L
|	Na	23	32675882.195	118.891	**64274.353822**	2962.58	4.6	ug/L
|	Mg	24	1005484.646	3.661	**3066.315620**	98.89	3.2	ug/L
|	Al	27	3040.509	0.010	**1.800049**	0.15	8.5	ug/L
|	Si	28	9802711.817	35.353	**-13583747.651216**	56390.67	0.4	ug/L
|	K	39	640967.305	2.183	**933.331433**	38.05	4.1	ug/L
|	Ca	43	18752.658	0.067	**5948.624185**	59.57	1.0	ug/L
| >	Sc	45	274593.090	274593.090				ug/L
|	Ti	49	182.669	-0.001	**-3.292650**	0.11	3.4	ug/L
|	Co	59	169.335	0.000	**0.380894**	0.02	4.0	ug/L
|	Ni	60	273.337	0.001	**0.188146**	0.01	6.9	ug/L
|	Ni	62	68.000	0.000	**-0.003899**	0.37	9468.3	ug/L
|	Cu	63	1047.394	0.003	**0.197736**	0.06	30.0	ug/L
|	Cu	65	238.670	0.001	**-0.383743**	0.05	12.1	ug/L
|	Zn	66	1762.838	0.005	**2.571915**	0.07	2.5	ug/L
|	Zn	67	1586.806	-0.001	**-26.879453**	1.54	5.7	ug/L
|	Zn	68	1736.166	0.005	**4.391583**	0.28	6.3	ug/L
|	V	51	946.157	0.006	**0.873114**	0.17	19.0	ug/L
|	Cr	52	2997.828	-0.003	**-1.014547**	0.04	4.1	ug/L
|	Cr	53	16098.929	-0.040	**-108.031566**	1.84	1.7	ug/L
|	Mn	55	34219.622	0.124	**12.904902**	0.30	2.3	ug/L
|	Fe	54	23070.847	0.042	**86.255461**	0.41	0.5	ug/L
⌊	Fe	57	6413.596	0.019	**94.417352**	4.77	5.1	ug/L
⌈	As	75	3903.993	0.006	**8.245137**	0.21	2.5	ug/L
|	Se	77	654.690	-0.004	**-84.622861**	1.02	1.2	ug/L
|	Se	82	-3.698	-0.000	**2.128447**	0.08	3.9	ug/L
|	Sr	86	30330.056	0.043	**44.616579**	1.59	3.6	ug/L
|	Sr	87	21536.164	0.031	**43.390827**	1.08	2.5	ug/L
|	Sr	88	251058.020	0.358	**43.138632**	0.56	1.3	ug/L
| >	Y	89	701498.473	701498.473				ug/L
|	Mo	95	3241.912	0.005	**4.853224**	0.12	2.5	ug/L
|	Mo	97	2004.888	0.003	**4.434357**	0.09	2.1	ug/L
⌊	Mo	98	5049.202	0.007	**4.540254**	0.18	3.9	ug/L
⌈	Ag	107	18.000	-0.000	**0.367637**	0.00	0.8	ug/L

|	Ag	109	18.000	-0.000	**0.421208**	0.00	0.4	ug/L
|	Cd	111	25.833	0.000	**0.339957**	0.00	1.2	ug/L
|	Cd	114	71.368	0.000	**0.298734**	0.01	4.5	ug/L
|>	In	115	331615.227	331615.227				ug/L
|	Sn	120	217.183	-0.001	**0.526781**	0.01	1.0	ug/L
|	Sb	121	1441.448	0.000	**0.452258**	0.02	3.7	ug/L
L	Sb	123	1075.887	-0.000	**0.473849**	0.02	3.9	ug/L
⌈	Ba	135	16983.185	0.033	**35.169253**	0.77	2.2	ug/L
|	Ba	137	29933.209	0.058	**35.750695**	0.67	1.9	ug/L
|	Ce	140	90.000	0.000	**76.615950**	4.87	6.4	ug/L
|	Tb	159	489293.134	0.005				ug/L
|>	Ho	165	511364.876	511364.876				ug/L
|	Tl	203	15.333	-0.000	**-0.317289**	0.00	0.6	ug/L
|	Tl	205	54.000	-0.000	**-0.174705**	0.00	1.7	ug/L
L	Pb	208	882.684	0.001	**-0.047046**	0.00	8.5	ug/L
⌈>	Bi	209	238865.684	238865.684				mg/L
L	U	238	72.667	0.000	**0.464127**	0.00	0.3	ug/L
	Kr	83	38.067	-5.200				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		99.481	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		96.601	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	92.100
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	98.226
Tl	203	
Tl	205	
Pb	208	
Bi	209	94.937
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-34A
Sample Date/Time: Friday, January 04, 2013 18:31:34
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-34A.060
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌜	Li	6	18517.158	0.005				ug/L
|	Li	7	6158.754	0.019	**14.673482**	0.41	2.8	ug/L
|	Be	9	108.667	0.000	**1.442345**	0.11	7.4	ug/L
|	B	11	6683.123	0.024	**59.851989**	1.49	2.5	ug/L
|	Na	23	12362803.929	46.566	**25180.030310**	448.55	1.8	ug/L
|	Mg	24	2498994.699	9.416	**7885.438600**	293.87	3.7	ug/L
|	Al	27	6529566.739	24.613	**6738.435696**	112.83	1.7	ug/L
|	Si	28	8010978.293	29.845	**-11473986.635432**	43760.70	0.4	ug/L
|	K	39	2637506.905	9.785	**4198.968780**	178.61	4.3	ug/L
|	Ca	43	53192.679	0.199	**17750.981118**	528.34	3.0	ug/L
|								ug/L
| >	Sc	45	265313.910	265313.910				ug/L
|	Ti	49	413.343	-0.000	**-1.197581**	0.27	22.3	ug/L
|	Co	59	28647.756	0.108	**14.178847**	0.32	2.3	ug/L
|	Ni	60	8730.861	0.033	**19.262078**	0.46	2.4	ug/L
|	Ni	62	1373.437	0.005	**18.480037**	1.28	7.0	ug/L
|	Cu	63	16090.898	0.060	**12.929237**	0.30	2.3	ug/L
|	Cu	65	8187.687	0.031	**12.801510**	0.37	2.9	ug/L
|	Zn	66	31881.142	0.119	**85.804324**	0.37	0.4	ug/L
|	Zn	67	6191.441	0.016	**47.229090**	1.16	2.4	ug/L
|	Zn	68	23848.576	0.089	**85.460562**	0.93	1.1	ug/L
|	V	51	1518.352	0.008	**1.192498**	0.57	48.0	ug/L
|	Cr	52	6296.181	0.009	**1.016760**	0.10	9.4	ug/L
|	Cr	53	14129.654	-0.045	**-114.619785**	2.83	2.5	ug/L
|	Mn	55	1670577.894	6.295	**650.254928**	9.92	1.5	ug/L
|	Fe	54	33257.692	0.083	**174.545803**	4.66	2.7	ug/L
⌊	Fe	57	10939.247	0.037	**186.071411**	2.62	1.4	ug/L
⌜	As	75	491.206	0.001	**1.796876**	0.08	4.6	ug/L
|	Se	77	538.683	-0.004	**-89.654620**	0.77	0.9	ug/L
|	Se	82	19.011	0.000	**2.567528**	0.04	1.4	ug/L
|	Sr	86	58075.304	0.073	**74.445440**	2.28	3.1	ug/L
|	Sr	87	43251.555	0.054	**76.174965**	1.63	2.1	ug/L
|	Sr	88	481192.739	0.601	**72.027807**	0.14	0.2	ug/L
|								ug/L
| >	Y	89	799568.865	799568.865				ug/L
|	Mo	95	59.334	0.000	**0.758388**	0.01	1.4	ug/L
|	Mo	97	22.000	-0.000	**0.260738**	0.01	2.9	ug/L
⌊	Mo	98	53.653	0.000	**0.453257**	0.01	1.6	ug/L
⌜	Ag	107	34.000	0.000	**0.375547**	0.00	1.1	ug/L

|	Ag	109	28.000	-0.000	**0.426353**	0.01	1.5	ug/L
|	Cd	111	16620.853	0.052	**34.748576**	0.47	1.3	ug/L
|	Cd	114	38749.405	0.121	**34.744800**	0.48	1.4	ug/L
|>	In	115	319503.224	319503.224				ug/L
|	Sn	120	161.840	-0.001	**0.504338**	0.01	2.6	ug/L
|	Sb	121	3099.195	0.005	**1.426562**	0.01	0.8	ug/L
\L	Sb	123	2385.387	0.004	**1.468884**	0.13	8.5	ug/L
\[	Ba	135	14433.468	0.029	**30.484887**	0.95	3.1	ug/L
|	Ba	137	25039.780	0.050	**30.554108**	0.34	1.1	ug/L
|	Ce	140	429513.070	0.858	**323281.973063**	7403.87	2.3	ug/L
|	Tb	159	475497.402	-0.001				ug/L
|>	Ho	165	500528.495	500528.495				ug/L
|	Tl	203	164.668	0.000	**-0.229349**	0.01	4.7	ug/L
|	Tl	205	350.673	0.001	**-0.100684**	0.01	6.9	ug/L
\L	Pb	208	127512.969	0.254	**22.902174**	0.46	2.0	ug/L
\[>	Bi	209	230449.968	230449.968				mg/L
\L	U	238	7890.089	0.034	**1.605052**	0.01	0.9	ug/L
	Kr	83	49.667	6.400				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		96.119	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		110.106	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	88.736
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	96.145
Tl	203	
Tl	205	
Pb	208	
Bi	209	91.592
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-35A
Sample Date/Time: Friday, January 04, 2013 18:34:30
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\L0023792-35A.061
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	18669.193	0.004				ug/L
|	Li	7	17002.572	0.059	**45.905957**	2.11	4.6	ug/L
|	Be	9	410.009	0.001	**5.310999**	0.31	5.8	ug/L
|	B	11	14594.399	0.053	**129.246859**	1.02	0.8	ug/L
|	Na	23	49906394.896	184.651	**99820.363492**	2707.98	2.7	ug/L
|	Mg	24	4103603.149	15.178	**12710.720398**	319.74	2.5	ug/L
|	Al	27	5997268.418	22.199	**6077.509588**	174.83	2.9	ug/L
|	Si	28	38363556.944	141.531	**-54255760.196960**	716207.17	1.3	ug/L
|	K	39	1324991.480	4.745	**2034.108532**	48.56	2.4	ug/L
|	Ca	43	26193.857	0.096	**8493.650518**	325.73	3.8	ug/L
|>	Sc	45	270401.147	270401.147				ug/L
|	Ti	49	390.008	-0.000	**-1.461324**	0.18	12.3	ug/L
|	Co	59	73842.979	0.273	**35.427890**	1.02	2.9	ug/L
|	Ni	60	21037.680	0.078	**46.124314**	0.69	1.5	ug/L
|	Ni	62	3368.625	0.012	**45.805270**	1.63	3.6	ug/L
|	Cu	63	13935.345	0.051	**10.900045**	0.42	3.8	ug/L
|	Cu	65	6549.031	0.024	**9.880558**	0.30	3.0	ug/L
|	Zn	66	58892.980	0.217	**157.380970**	4.61	2.9	ug/L
|	Zn	67	10203.056	0.031	**108.227910**	6.70	6.2	ug/L
|	Zn	68	44188.505	0.163	**157.033477**	7.33	4.7	ug/L
|	V	51	1821.240	0.009	**1.331483**	0.33	24.8	ug/L
|	Cr	52	6304.856	0.009	**0.951638**	0.03	2.7	ug/L
|	Cr	53	12886.462	-0.050	**-121.429217**	2.10	1.7	ug/L
|	Mn	55	1433608.095	5.304	**547.908273**	12.63	2.3	ug/L
|	Fe	54	440764.566	1.589	**3392.060964**	99.04	2.9	ug/L
⌊	Fe	57	176455.251	0.649	**3325.531584**	95.65	2.9	ug/L
⌈	As	75	222.226	0.001	**1.368950**	0.14	10.0	ug/L
|	Se	77	514.015	-0.004	**-89.785907**	1.26	1.4	ug/L
|	Se	82	34.317	0.000	**2.881037**	0.17	6.0	ug/L
|	Sr	86	43733.390	0.057	**58.426420**	0.31	0.5	ug/L
|	Sr	87	34257.684	0.045	**62.808637**	1.18	1.9	ug/L
|	Sr	88	359865.123	0.468	**56.176433**	0.54	1.0	ug/L
|>	Y	89	768919.963	768919.963				ug/L
|	Mo	95	24.000	-0.000	**0.719527**	0.01	1.4	ug/L
|	Mo	97	25.333	-0.000	**0.268352**	0.01	5.5	ug/L
⌊	Mo	98	27.735	0.000	**0.435711**	0.00	1.1	ug/L
⌈	Ag	107	58.000	0.000	**0.387618**	0.00	1.2	ug/L

|	Ag	109	49.333	0.000	**0.437340**	0.00	0.5	ug/L
|	Cd	111	18360.876	0.059	**39.546766**	0.44	1.1	ug/L
|	Cd	114	43478.600	0.140	**40.180053**	0.65	1.6	ug/L
|>	In	115	309863.720	309863.720				ug/L
|	Sn	120	173.866	-0.001	**0.512326**	0.01	1.9	ug/L
|	Sb	121	1442.781	0.000	**0.508965**	0.02	3.4	ug/L
L	Sb	123	1075.388	-0.000	**0.526942**	0.05	9.8	ug/L
⌈	Ba	135	8052.236	0.016	**17.101385**	0.35	2.0	ug/L
|	Ba	137	14093.594	0.028	**17.414361**	0.58	3.3	ug/L
|	Ce	140	341465.208	0.690	**260153.333863**	875.11	0.3	ug/L
|	Tb	159	465864.095	-0.009				ug/L
|>	Ho	165	494537.384	494537.384				ug/L
|	Tl	203	486.680	0.001	**-0.037342**	0.01	29.6	ug/L
|	Tl	205	1060.729	0.002	**0.079101**	0.02	23.1	ug/L
L	Pb	208	14850.723	0.030	**2.520558**	0.04	1.7	ug/L
⌈>	Bi	209	224291.354	224291.354				mg/L
L	U	238	4987.370	0.022	**1.201227**	0.01	1.0	ug/L
	Kr	83	44.667	1.400				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		97.962	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		105.885	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	86.059
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	94.994
Tl	203	
Tl	205	
Pb	208	
Bi	209	89.145
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Friday, January 04, 2013 18:37:28
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\QC Std 4.062
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16647.668	0.004				ug/L
|	Li	7	36867.943	0.147	**115.763460**	2.10	1.8	ug/L
|	Be	9	8028.211	0.033	**115.503114**	0.78	0.7	ug/L
|	B	11	10962.606	0.044	**107.951053**	1.69	1.6	ug/L
|	Na	23	2345830.171	9.626	**5212.466373**	284.45	5.5	ug/L
|	Mg	24	1457815.624	6.000	**5025.212134**	160.25	3.2	ug/L
|	Al	27	4694599.747	19.328	**5291.315667**	71.73	1.4	ug/L
|	Si	28	55818.174	-0.118	**3707.911060**	848.10	22.9	ug/L
|	K	39	2923302.577	11.887	**5101.941407**	248.33	4.9	ug/L
|	Ca	43	14414.090	0.058	**5147.736779**	64.25	1.2	ug/L
| >	Sc	45	242903.822	242903.822				ug/L
|	Ti	49	10715.653	0.042	**98.838623**	3.51	3.6	ug/L
|	Co	59	185711.800	0.764	**98.561737**	1.78	1.8	ug/L
|	Ni	60	41183.103	0.169	**100.943528**	0.93	0.9	ug/L
|	Ni	62	6210.123	0.025	**94.879803**	3.17	3.3	ug/L
|	Cu	63	107630.520	0.442	**98.587924**	2.45	2.5	ug/L
|	Cu	65	56029.688	0.230	**100.610655**	3.59	3.6	ug/L
|	Zn	66	36422.162	0.149	**107.594153**	0.71	0.7	ug/L
|	Zn	67	8564.048	0.028	**97.454890**	9.74	10.0	ug/L
|	Zn	68	27480.172	0.112	**108.015833**	3.94	3.6	ug/L
|	V	51	175951.285	0.727	**102.017071**	1.51	1.5	ug/L
|	Cr	52	160990.340	0.648	**102.325821**	2.13	2.1	ug/L
|	Cr	53	57456.473	0.138	**110.665087**	19.67	17.8	ug/L
|	Mn	55	238738.223	0.982	**101.520976**	1.76	1.7	ug/L
|	Fe	54	600186.088	2.429	**5185.967447**	65.49	1.3	ug/L
⌊	Fe	57	244149.271	1.001	**5133.108728**	55.97	1.1	ug/L
⌈	As	75	47402.326	0.074	**96.752259**	2.66	2.8	ug/L
|	Se	77	20408.906	0.027	**511.876591**	25.00	4.9	ug/L
|	Se	82	20853.850	0.032	**492.141818**	14.80	3.0	ug/L
|	Sr	86	62635.872	0.097	**99.308258**	3.82	3.8	ug/L
|	Sr	87	45005.535	0.070	**98.228858**	2.16	2.2	ug/L
|	Sr	88	522952.315	0.811	**96.856321**	0.67	0.7	ug/L
| >	Y	89	644539.229	644539.229				ug/L
|	Mo	95	69009.610	0.107	**97.138299**	0.84	0.9	ug/L
|	Mo	97	42260.673	0.066	**96.895850**	1.25	1.3	ug/L
⌊	Mo	98	107481.498	0.167	**95.922790**	2.14	2.2	ug/L
⌈	Ag	107	198913.400	0.657	**99.376599**	1.40	1.4	ug/L

|	Ag	109	191527.188	0.632	**97.886705**	0.90	0.9	ug/L
|	Cd	111	45504.449	0.150	**99.804654**	1.88	1.9	ug/L
|	Cd	114	105678.522	0.349	**99.501947**	1.52	1.5	ug/L
|>	In	115	302928.491	302928.491				ug/L
|	Sn	120	196660.933	0.647	**99.291791**	0.95	1.0	ug/L
|	Sb	121	165446.742	0.542	**99.035288**	1.04	1.1	ug/L
|	Sb	123	126251.977	0.413	**98.066655**	0.73	0.7	ug/L
⌈	Ba	135	42969.311	0.091	**97.158699**	0.90	0.9	ug/L
|	Ba	137	74674.785	0.159	**96.899433**	0.11	0.1	ug/L
|	Ce	140	216.003	0.000	**183.209620**	1.68	0.9	ug/L
|	Tb	159	442358.263	-0.011				ug/L
|>	Ho	165	470610.842	470610.842				ug/L
|	Tl	203	158119.991	0.336	**98.349371**	0.85	0.9	ug/L
|	Tl	205	374035.639	0.795	**98.738624**	2.03	2.1	ug/L
⌊	Pb	208	515904.256	1.096	**99.210752**	1.72	1.7	ug/L
⌈>	Bi	209	218673.839	218673.839				mg/L
⌊	U	238	636764.557	2.913	**98.373279**	2.44	2.5	ug/L
	Kr	83	45.933	2.667				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7	115.763		
Be	9	115.503		
B	11	107.951		
Na	23	104.249		
Mg	24	100.504		
Al	27	103.751		
Si	28	74.158		
K	39	102.039		
Ca	43	102.955		
Sc	45		88.000	
Ti	49	98.839		
Co	59	98.562		
Ni	60	100.944		
Ni	62	94.880		
Cu	63	98.588		
Cu	65	100.611		
Zn	66	107.594		
Zn	67	97.455		
Zn	68	108.016		
V	51	102.017		
Cr	52	102.326		
Cr	53	110.665		
Mn	55	101.521		
Fe	54	103.719		
Fe	57	102.662		
As	75	96.752		
Se	77	102.375		
Se	82	98.428		
Sr	86	99.308		
Sr	87	98.229		
Sr	88	96.856		
Y	89		88.757	
Mo	95	97.138		

Mo	97	96.896	
Mo	98	95.923	
Ag	107	99.377	
Ag	109	97.887	
Cd	111	99.805	
Cd	114	99.502	
In	115		84.133
Sn	120	99.292	
Sb	121	99.035	
Sb	123	98.067	
Ba	135	97.159	
Ba	137	96.899	
Ce	140	183.210	
Tb	159		
Ho	165		90.398
Tl	203	98.349	
Tl	205	98.739	
Pb	208	99.211	
Bi	209		86.912
U	238	98.373	
Kr	83		

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Friday, January 04, 2013 18:40:25
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\QC Std 6.063
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	17864.185	0.008				ug/L
|	Li	7	1269.422	0.001	**0.505623**	0.02	3.8	ug/L
|	Be	9	14.667	-0.000	**0.220212**	0.07	33.3	ug/L
|	B	11	433.344	0.001	**3.379282**	0.31	9.0	ug/L
|	Na	23	9404.890	0.009	**14.259506**	2.05	14.4	ug/L
|	Mg	24	1333.435	0.004	**3.851226**	1.05	27.3	ug/L
|	Al	27	2416.990	0.008	**1.471654**	0.27	18.6	ug/L
|	Si	28	48619.003	-0.149	**15641.736584**	1443.82	9.2	ug/L
|	K	39	36673.972	-0.003	**-5.414653**	4.13	76.3	ug/L
|	Ca	43	504.014	0.001	**32.127595**	6.06	18.9	ug/L
|>	Sc	45	244761.044	244761.044				ug/L
|	Ti	49	497.347	0.000	**-0.080135**	0.12	149.5	ug/L
|	Co	59	94.667	0.000	**0.351098**	0.00	1.1	ug/L
|	Ni	60	66.000	0.000	**-0.245666**	0.03	11.1	ug/L
|	Ni	62	41.333	-0.000	**-0.293204**	0.22	74.2	ug/L
|	Cu	63	228.003	0.000	**-0.448960**	0.01	2.1	ug/L
|	Cu	65	124.001	0.000	**-0.542824**	0.06	11.7	ug/L
|	Zn	66	924.047	0.002	**0.639325**	0.30	46.6	ug/L
|	Zn	67	3492.674	0.007	**8.975889**	4.84	53.9	ug/L
|	Zn	68	733.363	0.002	**1.162676**	0.26	22.0	ug/L
|	V	51	-2272.647	-0.007	**-0.906175**	1.00	110.3	ug/L
|	Cr	52	5030.059	0.006	**0.512409**	0.09	18.1	ug/L
|	Cr	53	46671.663	0.092	**54.406256**	8.97	16.5	ug/L
|	Mn	55	652.023	0.002	**0.305558**	0.00	1.5	ug/L
|	Fe	54	10888.043	0.002	**1.798687**	2.45	136.0	ug/L
⌊	Fe	57	1294.759	0.001	**1.628509**	1.39	85.1	ug/L
⌈	As	75	-465.401	-0.000	**0.080894**	0.32	401.1	ug/L
|	Se	77	4868.639	0.003	**40.154566**	7.37	18.3	ug/L
|	Se	82	2.497	0.000	**2.266022**	0.08	3.3	ug/L
|	Sr	86	32.448	0.000	**0.780278**	0.02	2.4	ug/L
|	Sr	87	39.595	0.000	**0.417157**	0.04	8.5	ug/L
|	Sr	88	576.018	0.000	**0.828222**	0.00	0.1	ug/L
|>	Y	89	661442.278	661442.278				ug/L
|	Mo	95	55.334	0.000	**0.766661**	0.00	0.4	ug/L
|	Mo	97	38.000	0.000	**0.304950**	0.02	5.7	ug/L
⌊	Mo	98	59.278	0.000	**0.466320**	0.00	0.6	ug/L
⌈	Ag	107	54.667	0.000	**0.386290**	0.00	0.5	ug/L

|	Ag	109	46.000	0.000	**0.435897**	0.01	1.6	ug/L
|	Cd	111	23.667	0.000	**0.339335**	0.00	0.6	ug/L
|	Cd	114	62.929	0.000	**0.295931**	0.01	5.0	ug/L
|>	In	115	307476.264	307476.264				ug/L
|	Sn	120	536.487	-0.000	**0.692833**	0.01	1.2	ug/L
|	Sb	121	1477.454	0.001	**0.535958**	0.04	7.8	ug/L
\L	Sb	123	1156.810	0.000	**0.596185**	0.01	1.6	ug/L
⌈	Ba	135	42.000	0.000	**-0.178747**	0.01	4.6	ug/L
|	Ba	137	71.334	0.000	**0.096554**	0.01	7.6	ug/L
|	Ce	140	24.667	0.000	**29.827190**	7.44	25.0	ug/L
|	Tb	159	454117.110	0.005				ug/L
|>	Ho	165	474994.930	474994.930				ug/L
|	Tl	203	87.334	0.000	**-0.272074**	0.01	2.7	ug/L
|	Tl	205	172.668	0.000	**-0.142624**	0.01	5.6	ug/L
\L	Pb	208	214.001	0.000	**-0.162762**	0.00	1.6	ug/L
⌈>	Bi	209	224977.972	224977.972				mg/L
\L	U	238	138.001	0.001	**0.474543**	0.00	0.6	ug/L
	Kr	83	38.667	-4.600				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		88.673	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		91.085	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	85.396
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	91.240
Tl	203	
Tl	205	
Pb	208	
Bi	209	89.418
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: ICSA
Sample Date/Time: Friday, January 04, 2013 18:43:22
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\ICSA.064
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	16730.483	-0.000				ug/L
|	Li	7	1180.077	0.000	**-0.011603**	0.15	1323.8	ug/L
|	Be	9	16.000	-0.000	**0.224800**	0.05	23.3	ug/L
|	B	11	482.013	0.001	**3.567636**	0.34	9.5	ug/L
|	Na	23	47047578.600	180.610	**97635.735123**	3953.25	4.0	ug/L
|	Mg	24	29934631.490	114.905	**96221.925370**	1020.28	1.1	ug/L
|	Al	27	93353608.450	358.459	**98149.674285**	3759.41	3.8	ug/L
|	Si	28	60045.697	-0.117	**3449.637056**	1787.04	51.8	ug/L
|	K	39	60270090.483	231.237	**99321.901047**	2679.01	2.7	ug/L
|	Ca	43	304506.059	1.168	**104257.762059**	2518.75	2.4	ug/L
| >	Sc	45	260541.498	260541.498				ug/L
|	Ti	49	204031.523	0.782	**1836.637998**	33.63	1.8	ug/L
|	Co	59	3714.092	0.014	**2.133872**	0.03	1.5	ug/L
|	Ni	60	1414.110	0.005	**2.838655**	0.12	4.1	ug/L
|	Ni	62	741.364	0.003	**9.740900**	0.31	3.2	ug/L
|	Cu	63	2682.396	0.010	**1.648562**	0.03	1.9	ug/L
|	Cu	65	1280.090	0.005	**1.393588**	0.12	8.5	ug/L
|	Zn	66	1785.510	0.005	**2.895434**	0.60	20.6	ug/L
|	Zn	67	4154.283	0.009	**16.027530**	1.40	8.7	ug/L
|	Zn	68	861.374	0.002	**1.461073**	0.15	10.4	ug/L
|	V	51	-5630.501	-0.019	**-2.631214**	0.83	31.7	ug/L
|	Cr	52	9031.818	0.020	**2.751488**	0.10	3.6	ug/L
|	Cr	53	43400.066	0.068	**24.829938**	6.44	25.9	ug/L
|	Mn	55	36691.242	0.140	**14.580813**	0.51	3.5	ug/L
|	Fe	54	13607373.228	52.190	**111515.728406**	1604.22	1.4	ug/L
⌞	Fe	57	5624061.499	21.583	**110768.889580**	790.46	0.7	ug/L
⌜	As	75	-430.869	0.000	**0.204088**	0.40	195.6	ug/L
|	Se	77	4920.000	0.002	**31.498833**	7.13	22.6	ug/L
|	Se	82	-20.694	-0.000	**1.768275**	0.11	6.0	ug/L
|	Sr	86	862.913	0.001	**1.962150**	0.12	5.9	ug/L
|	Sr	87	874.931	0.001	**2.057215**	0.26	12.4	ug/L
|	Sr	88	7922.789	0.011	**2.044453**	0.06	2.8	ug/L
| >	Y	89	711495.970	711495.970				ug/L
|	Mo	95	1598178.107	2.246	**2024.231930**	14.86	0.7	ug/L
|	Mo	97	993687.416	1.396	**2059.197521**	22.39	1.1	ug/L
⌞	Mo	98	2706324.393	3.803	**2178.732528**	21.24	1.0	ug/L
⌜	Ag	107	166.668	0.000	**0.439594**	0.01	2.1	ug/L

|	Ag	109	126.668	0.000	**0.475043**	0.01	1.3	ug/L
|	Cd	111	1492.456	0.005	**3.436208**	0.14	4.1	ug/L
|	Cd	114	2809.946	0.009	**2.782608**	0.04	1.5	ug/L
|>	In	115	314137.364	314137.364				ug/L
|	Sn	120	335.102	-0.001	**0.589458**	0.01	0.9	ug/L
|	Sb	121	2703.069	0.004	**1.226738**	0.03	2.2	ug/L
_	Sb	123	2122.565	0.003	**1.303329**	0.05	3.7	ug/L
⌈	Ba	135	1468.119	0.003	**2.909573**	0.08	2.9	ug/L
|	Ba	137	2538.355	0.005	**3.156170**	0.21	6.7	ug/L
|	Ce	140	1291.425	0.003	**999.417338**	48.81	4.9	ug/L
|	Tb	159	462621.704	-0.011				ug/L
|>	Ho	165	492150.312	492150.312				ug/L
|	Tl	203	146.668	0.000	**-0.238592**	0.01	3.3	ug/L
|	Tl	205	329.339	0.001	**-0.104424**	0.01	12.5	ug/L
_	Pb	208	1832.740	0.003	**0.134300**	0.02	15.1	ug/L
⌈>	Bi	209	209205.520	209205.520				mg/L
_	U	238	81.334	0.000	**0.466959**	0.00	0.4	ug/L
	Kr	83	71.600	28.334				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		94.390	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		97.978	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	87.246
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	94.536
Tl	203	
Tl	205	
Pb	208	
Bi	209	83.149
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: ICSAB
Sample Date/Time: Friday, January 04, 2013 18:46:19
Sample Type: Spike - 2 of 133
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301041443MS\ICSAB.065
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16438.386	-0.002				ug/L
|	Li	7	1224.749	0.000	**0.089531**	0.02	18.4	ug/L
|	Be	9	12.667	-0.000	**0.179182**	0.03	18.7	ug/L
|	B	11	476.012	0.001	**3.477917**	0.27	7.8	ug/L
|	Na	23	46866477.115	178.171	**96317.467569**	268.22	0.3	ug/L
|	Mg	24	29179624.437	110.943	**92904.277377**	1975.57	2.1	ug/L
|	Al	27	93346851.639	354.890	**97172.517670**	1007.81	1.0	ug/L
|	Si	28	59521.606	-0.122	**5045.920271**	699.59	13.9	ug/L
|	K	39	58802397.784	223.523	**96008.413981**	3861.01	4.0	ug/L
|	Ca	43	312515.631	1.187	**105987.449083**	1361.59	1.3	ug/L
|>	Sc	45	263007.877	263007.877				ug/L
|	Ti	49	203117.712	0.770	**1810.192774**	40.90	2.3	ug/L
|	Co	59	165682.279	0.630	**81.264038**	1.29	1.6	ug/L
|	Ni	60	36689.287	0.139	**82.971608**	1.30	1.6	ug/L
|	Ni	62	6296.849	0.024	**88.774241**	1.65	1.9	ug/L
|	Cu	63	92192.426	0.350	**77.839189**	2.10	2.7	ug/L
|	Cu	65	47900.589	0.182	**79.286943**	0.60	0.8	ug/L
|	Zn	66	16014.100	0.059	**42.439471**	1.41	3.3	ug/L
|	Zn	67	6375.569	0.017	**51.056555**	1.58	3.1	ug/L
|	Zn	68	11532.645	0.043	**40.796405**	0.24	0.6	ug/L
|	V	51	152537.174	0.582	**81.726120**	2.09	2.6	ug/L
|	Cr	52	145312.873	0.538	**84.809395**	2.59	3.1	ug/L
|	Cr	53	60982.671	0.134	**105.119825**	7.13	6.8	ug/L
|	Mn	55	248884.506	0.945	**97.759262**	3.06	3.1	ug/L
|	Fe	54	13939448.447	52.949	**113137.362858**	2972.99	2.6	ug/L
⌊	Fe	57	5715037.462	21.719	**111470.668195**	3183.83	2.9	ug/L
⌈	As	75	18194.407	0.026	**34.540099**	0.25	0.7	ug/L
|	Se	77	6377.572	0.004	**72.522207**	4.41	6.1	ug/L
|	Se	82	1702.250	0.002	**38.705365**	0.45	1.2	ug/L
|	Sr	86	840.623	0.001	**1.939169**	0.07	3.4	ug/L
|	Sr	87	843.903	0.001	**2.010594**	0.16	7.9	ug/L
|	Sr	88	7844.052	0.011	**2.040796**	0.01	0.3	ug/L
|>	Y	89	706267.673	706267.673				ug/L
|	Mo	95	1604154.388	2.272	**2047.595023**	48.00	2.3	ug/L
|	Mo	97	990049.846	1.402	**2067.351145**	25.52	1.2	ug/L
⌊	Mo	98	2767231.211	3.919	**2244.841381**	27.76	1.2	ug/L
⌈	Ag	107	42044.340	0.135	**20.664498**	0.47	2.3	ug/L

|	Ag	109	40009.187	0.128	**20.164934**	0.25	1.3	ug/L
|	Cd	111	19935.842	0.064	**42.577487**	0.78	1.8	ug/L
|	Cd	114	45779.095	0.146	**41.944362**	0.90	2.2	ug/L
|>	In	115	312312.997	312312.997				ug/L
|	Sn	120	366.487	-0.001	**0.605451**	0.03	4.5	ug/L
|	Sb	121	2827.773	0.005	**1.309626**	0.08	5.9	ug/L
|	Sb	123	2069.723	0.003	**1.272578**	0.02	1.3	ug/L
⌈	Ba	135	1461.451	0.003	**2.943695**	0.20	6.7	ug/L
|	Ba	137	2424.990	0.005	**3.061543**	0.01	0.2	ug/L
|	Ce	140	1332.098	0.003	**1046.544427**	59.25	5.7	ug/L
|	Tb	159	459440.075	-0.003				ug/L
|>	Ho	165	484433.522	484433.522				ug/L
|	Tl	203	146.001	0.000	**-0.237711**	0.01	3.2	ug/L
|	Tl	205	322.006	0.001	**-0.105159**	0.00	1.9	ug/L
⌊	Pb	208	1874.743	0.004	**0.147569**	0.02	10.2	ug/L
⌈>	Bi	209	208261.025	208261.025				mg/L
⌊	U	238	48.667	0.000	**0.461749**	0.00	0.3	ug/L
	Kr	83	75.334	32.067				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		95.284	
Ti	49			
Co	59			98.913
Ni	60			100.166
Ni	62			98.792
Cu	63			95.238
Cu	65			97.367
Zn	66			98.860
Zn	67			87.573
Zn	68			98.338
V	51			105.447
Cr	52			102.572
Cr	53			100.362
Mn	55			103.973
Fe	54			
Fe	57			
As	75			85.840
Se	77			102.558
Se	82			92.343
Sr	86			
Sr	87			
Sr	88			
Y	89		97.258	
Mo	95			

Mo	97		
Mo	98		
Ag	107		101.125
Ag	109		98.449
Cd	111		97.853
Cd	114		97.904
In	115	86.739	
Sn	120		
Sb	121		
Sb	123		
Ba	135		
Ba	137		
Ce	140		
Tb	159		
Ho	165	93.053	
Tl	203		
Tl	205		
Pb	208		
Bi	209	82.773	
U	238		
Kr	83		

Run List

Sample File Name: 11.18.08.sam

AS Loc.	Sample ID	Batch Index	Sample Type
1	Cal Blank		Blank
1	Std 1		Standard
2	Std 2		Standard
3	Std 3		Standard
4	Std 4		Standard
5	Std 5		Standard
6	Std 6		Standard
7	QC Std 1		QC Std
1	QC Std 2		QC Std
8	QC Std 3		QC Std
9	ICSA	2	Sample
10	ICSAB	3	Spike - 2 of 2

Run List

Sample File Name: 11.18.08.sam

AS Loc.	Sample ID	Batch Index	Sample Type
301	L0023792-01A	62	Sample
302	L0023792-02A	63	Sample
303	L0023792-03A	64	Sample
304	L0023792-04A	65	Sample
305	L0023792-05A	66	Sample
306	L0023792-06A	67	Sample
307	L0023792-12A	68	Sample
308	L0023792-15A	69	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
309	L0023792-16A	70	Sample
310	L0023792-18A	71	Sample
311	L0023792-19A	72	Sample
312	L0023792-20A	73	Sample
313	L0023792-23A	74	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
9	ICSA	75	Sample
10	ICSAB	76	Spike - 2 of 75
116	MBLK-117753	77	Sample
117	LCS-117753	78	Sample
118	L0023122-01A	79	Sample
119	L0023122-01ASD	80	Sample
120	L0023122-01AMS	81	Sample
121	L0023122-01APDS	82	Sample
122	L0023122-01ADUP	83	Sample
123	L0024122-01A	84	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
9	ICSA	85	Sample
10	ICSAB	86	Spike - 2 of 85
219	L0024089-01B	87	Sample
220	L0024089-02B	88	Sample
227	L0024092-03C	89	Sample
228	L0024092-04C	90	Sample
229	L0024092-05C	91	Sample
230	L0024092-06C	92	Sample
231	L0024092-07C	93	Sample
232	L0024092-08C	94	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
9	ICSA	95	Sample
10	ICSAB	96	Spike - 2 of 95
101	MBLK-117752	97	Sample

102	LCS-117752	98	Sample
103	L0024092-01C	99	Sample
104	L0024092-01CSD	100	Sample
105	L0024092-01CMS	101	Sample
106	L0024092-01CMSD	102	Sample
107	L0024092-01CPDS	103	Sample
108	L0024092-01CPDSD	104	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
109	L0024092-02C	105	Sample
110	L0024092-03C	106	Sample
111	L0024092-04C	107	Sample
112	L0024092-05C	108	Sample
113	L0024092-06C	109	Sample
114	L0024092-07C	110	Sample
115	L0024092-08C	111	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
9	ICSA	112	Sample
10	ICSAB	113	Spike - 2 of 112
201	MBLK-117694	114	Sample
202	LCS-117694	115	Sample
203	L0024078-01D	116	Sample
204	L0024078-01DSD	117	Sample
205	L0024078-01DMS	118	Sample
206	L0024078-01DMSD	119	Sample
207	L0024078-01DPDS	120	Sample
208	L0024078-01DPDSD	121	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
9	ICSA	122	Sample
10	ICSAB	123	Spike - 2 of 122

Instrument Tuning Report

File Name: default.tun
File Path: C:\elandata\Tuning\default.tun

Analyte	Exact Mass	Meas. Mass	Mass DAC	Res. DAC	Meas. Pk. Width	Custom Res.
Be	9.012	9.026	2032	2105	0.581	
C	12.000	12.029	2763	2105	0.592	
Mg	23.985	23.978	5667	2115	0.604	
Co	58.933	58.929	14150	2145	0.611	
In	114.904	114.928	27769	2215	0.602	
Ce	139.905	139.928	33843	2240	0.591	
Pb	207.977	207.979	50426	2320	0.610	
U	238.050	238.076	57729	2355	0.602	

Daily Performance Report

Sample ID: Sample
Sample Date/Time: Monday, January 07, 2013 15:10:10
Sample Description:
Method File: C:\Elandata\Method\Accutest Daily.mth
Dataset File: C:\Elandata\DataSet\Daily Performance\Sample.2887
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Dual Detector Mode: Pulse

Acq. Dead Time(ns): 55
Current Dead Time (ns): 55

Summary

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD
	Be	9.0	2345.8	2345.836	31.021	1.3
	C	12.0	425824.4	425824.354	3912.594	0.9
	Mg	24.0	39913.6	39913.570	452.125	1.1
	Co	58.9	75618.9	75618.909	998.828	1.3
	In	114.9	219913.4	219913.387	1796.269	0.8
	Pb	208.0	101474.5	101474.453	1154.826	1.1
	U	238.1	246416.3	246416.256	2134.620	0.9
⌈>	Ce	139.9	234222.0	234222.001	1364.760	0.6
⌊	CeO	155.9	3004.6	0.013	0.000	1.3
⌈>	Ba	137.9	187674.6	187674.621	1606.451	0.9
⌊	Ba++	69.0	2828.6	0.015	0.000	1.8
	220	220.0	12.2	12.200	1.102	9.0

Current Optimization File Data

Current Value	Description
1.02	Nebulizer Gas Flow [NEB]
1.20	Auxiliary Gas Flow
18.00	Plasma Gas Flow
6.00	Lens Voltage
1400.00	ICP RF Power
-1625.00	Analog Stage Voltage
900.00	Pulse Stage Voltage
0.00	Quadrupole Rod Offset Std [QRO]
-17.00	Cell Rod Offset Std [CRO]
34.00	Discriminator Threshold
-18.00	Cell Path Voltage Std [CPV]
0.00	RPa
0.25	RPq
1.00	DRC Mode NEB
-6.00	DRC Mode QRO
-1.00	DRC Mode CRO
-15.00	DRC Mode CPV
0.00	Cell Gas A
0.00	Cell Gas B

Current Autolens Data

Analyte	Mass	Num of Pts	DAC Value	Maximum Intensity
Be	9	36	4.2	2629.2
Co	59	36	4.8	76693.7

In	115	36	6.0	219603.6

Quantitative Analysis - Summary Report

Sample ID: Cal Blank
Sample Date/Time: Monday, January 07, 2013 15:49:41
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\Cal Blank.001
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Li	6	14687.593					ug/L
	Li	7	1080.064					ug/L
	Be	9	22.000					ug/L
	B	11	308.005					ug/L
	Na	23	7169.542					ug/L
	Mg	24	1033.422					ug/L
	Al	27	596.686					ug/L
	Si	28	63790.358					ug/L
	K	39	41494.541					ug/L
	Ca	43	244.003					ug/L
>	Sc	45	259157.534					ug/L
	Ti	49	507.348					ug/L
	Co	59	69.334					ug/L
	Ni	60	31.333					ug/L
	Ni	62	62.667					ug/L
	Cu	63	277.338					ug/L
	Cu	65	125.334					ug/L
	Zn	66	540.016					ug/L
	Zn	67	1213.417					ug/L
	Zn	68	372.008					ug/L
	V	51	-116.895					ug/L
	Cr	52	3602.047					ug/L
	Cr	53	20597.357					ug/L
	Mn	55	228.670					ug/L
	Fe	54	11186.001					ug/L
	Fe	57	1224.749					ug/L
	As	75	-493.873					ug/L
	Se	77	2961.817					ug/L
	Se	82	0.923					ug/L
	Sr	86	19.185					ug/L
	Sr	87	30.327					ug/L
	Sr	88	415.343					ug/L
>	Y	89	636579.633					ug/L
	Mo	95	26.000					ug/L
	Mo	97	23.333					ug/L
	Mo	98	18.474					ug/L
	Ag	107	33.333					ug/L

|	Ag	109	29.333	ug/L
|	Cd	111	14.833	ug/L
|	Cd	114	33.513	ug/L
|>	In	115	320033.698	ug/L
|	Sn	120	207.090	ug/L
|	Sb	121	1438.114	ug/L
|	Sb	123	1175.643	ug/L
⌈	Ba	135	28.000	ug/L
|	Ba	137	49.333	ug/L
|	Ce	140	16.667	ug/L
|	Tb	159	462805.906	ug/L
|>	Ho	165	478906.887	ug/L
|	Tl	203	50.000	ug/L
|	Tl	205	98.001	ug/L
⌊	Pb	208	205.334	ug/L
⌈>	Bi	209	229161.506	mg/L
⌊	U	238	8.000	ug/L
	Kr	83	43.933	ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45			
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89			
Mo	95			

Mo	97
Mo	98
Ag	107
Ag	109
Cd	111
Cd	114
In	115
Sn	120
Sb	121
Sb	123
Ba	135
Ba	137
Ce	140
Tb	159
Ho	165
Tl	203
Tl	205
Pb	208
Bi	209
U	238
Kr	83

Quantitative Analysis - Summary Report

Sample ID: Std 1
Sample Date/Time: Monday, January 07, 2013 15:52:38
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\Std 1.002
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	15104.362	0.001				ug/L
|	Li	7	1312.762	0.001				ug/L
|	Be	9	58.000	0.000				ug/L
|	B	11	294.672	-0.000				ug/L
|	Na	23	6435.640	-0.003				ug/L
|	Mg	24	500.014	-0.002				ug/L
|	Al	27	2325.297	0.007				ug/L
|	Si	28	57769.680	-0.026				ug/L
|	K	39	41661.928	-0.001				ug/L
|	Ca	43	286.671	0.000				ug/L
|>	Sc	45	261915.513	261915.513				ug/L
|	Ti	49	616.021	0.000				ug/L
|	Co	59	1130.737	0.004				ug/L
|	Ni	60	252.004	0.001				ug/L
|	Ni	62	78.667	0.000				ug/L
|	Cu	63	865.375	0.002				ug/L
|	Cu	65	448.011	0.001				ug/L
|	Zn	66	762.699	0.001				ug/L
|	Zn	67	2078.907	0.003				ug/L
|	Zn	68	576.018	0.001				ug/L
|	V	51	1062.402	0.005				ug/L
|	Cr	52	4680.539	0.004				ug/L
|	Cr	53	29362.835	0.033				ug/L
|	Mn	55	1488.122	0.005				ug/L
|	Fe	54	11503.999	0.001				ug/L
⌊	Fe	57	1274.089	0.000				ug/L
⌈	As	75	-205.705	0.000				ug/L
|	Se	77	3278.591	0.000				ug/L
|	Se	82	95.799	0.000				ug/L
|	Sr	86	304.232	0.000				ug/L
|	Sr	87	250.893	0.000				ug/L
|	Sr	88	2715.072	0.004				ug/L
|>	Y	89	647864.094	647864.094				ug/L
|	Mo	95	363.341	0.001				ug/L
|	Mo	97	222.669	0.000				ug/L
⌊	Mo	98	577.077	0.001				ug/L
⌈	Ag	107	1063.396	0.003				ug/L

|	Ag	109	1078.731	0.003	ug/L
|	Cd	111	259.337	0.001	ug/L
|	Cd	114	567.104	0.002	ug/L
|>	In	115	320302.387	320302.387	ug/L
|	Sn	120	1147.202	0.003	ug/L
|	Sb	121	2330.966	0.003	ug/L
|	Sb	123	1832.171	0.002	ug/L
|	Ba	135	258.670	0.000	ug/L
|	Ba	137	412.009	0.001	ug/L
|	Ce	140	20.667	0.000	ug/L
|	Tb	159	464991.330	0.002	ug/L
|>	Ho	165	480200.954	480200.954	ug/L
|	Tl	203	858.041	0.002	ug/L
|	Tl	205	2120.915	0.004	ug/L
|	Pb	208	2845.510	0.006	ug/L
|>	Bi	209	237795.035	237795.035	mg/L
|	U	238	3615.386	0.015	ug/L
	Kr	83	42.800	-1.133	ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45			
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89			
Mo	95			

Mo	97
Mo	98
Ag	107
Ag	109
Cd	111
Cd	114
In	115
Sn	120
Sb	121
Sb	123
Ba	135
Ba	137
Ce	140
Tb	159
Ho	165
Tl	203
Tl	205
Pb	208
Bi	209
U	238
Kr	83

Quantitative Analysis - Summary Report

Sample ID: Std 2
Sample Date/Time: Monday, January 07, 2013 15:55:36
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\Std 2.003
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	14277.619	-0.001				ug/L
|	Li	7	1405.442	0.001	**1.000000**	0.30	30.3	ug/L
|	Be	9	95.334	0.000	**1.000000**	0.10	9.7	ug/L
|	B	11	310.672	0.000				ug/L
|	Na	23	11040.048	0.015				ug/L
|	Mg	24	2767.099	0.007				ug/L
|	Al	27	11417.168	0.042				ug/L
|	Si	28	53295.780	-0.038				ug/L
|	K	39	46284.305	0.020				ug/L
|	Ca	43	330.673	0.000				ug/L
|>	Sc	45	256698.541	256698.541				ug/L
|	Ti	49	730.029	0.001	**1.000000**	0.13	13.2	ug/L
|	Co	59	2152.255	0.008	**1.000000**	0.01	1.1	ug/L
|	Ni	60	486.013	0.002	**1.000000**	0.12	12.4	ug/L
|	Ni	62	128.001	0.000	**1.000000**	0.23	22.7	ug/L
|	Cu	63	1434.113	0.005	**1.000000**	0.02	2.5	ug/L
|	Cu	65	764.032	0.002	**1.000000**	0.13	12.7	ug/L
|	Zn	66	872.042	0.001				ug/L
|	Zn	67	2369.642	0.005				ug/L
|	Zn	68	708.028	0.001				ug/L
|	V	51	721.279	0.003	**1.000000**	1.73	173.1	ug/L
|	Cr	52	5839.875	0.009	**1.000000**	0.06	5.5	ug/L
|	Cr	53	32896.120	0.049	**1.000000**	0.23	23.3	ug/L
|	Mn	55	2785.094	0.010	**1.000000**	0.01	1.3	ug/L
|	Fe	54	12423.214	0.005				ug/L
⌊	Fe	57	1738.833	0.002				ug/L
⌜	As	75	244.691	0.001	**1.000000**	0.21	21.2	ug/L
|	Se	77	3525.350	0.001	**5.000000**	0.24	4.8	ug/L
|	Se	82	209.946	0.000	**5.000000**	0.13	2.6	ug/L
|	Sr	86	622.177	0.001	**1.000000**	0.03	3.1	ug/L
|	Sr	87	481.465	0.001	**1.000000**	0.17	16.6	ug/L
|	Sr	88	5480.318	0.008	**1.000000**	0.02	2.0	ug/L
|>	Y	89	623033.925	623033.925				ug/L
|	Mo	95	749.364	0.001	**1.000000**	0.05	5.3	ug/L
|	Mo	97	468.012	0.001	**1.000000**	0.10	9.6	ug/L
⌊	Mo	98	1148.474	0.002	**1.000000**	0.04	4.1	ug/L
⌜	Ag	107	2234.942	0.007	**1.000000**	0.03	3.1	ug/L

|	Ag	109	2124.915	0.007	**1.000000**	0.00	0.4	ug/L
|	Cd	111	500.014	0.002	**1.000000**	0.03	2.6	ug/L
|	Cd	114	1115.355	0.003	**1.000000**	0.07	7.0	ug/L
|>	In	115	312464.805	312464.805				ug/L
|	Sn	120	2302.012	0.007	**1.000000**	0.00	0.3	ug/L
|	Sb	121	3164.551	0.006	**1.000000**	0.05	5.1	ug/L
|	Sb	123	2368.874	0.004	**1.000000**	0.06	6.4	ug/L
⌈	Ba	135	500.014	0.001	**1.000000**	0.06	6.0	ug/L
|	Ba	137	826.704	0.002	**1.000000**	0.06	6.4	ug/L
|	Ce	140	16.667	0.000	**1.000000**	0.95	95.3	ug/L
|	Tb	159	449399.192	0.005				ug/L
|>	Ho	165	462563.595	462563.595				ug/L
|	Tl	203	1714.162	0.004	**1.000000**	0.02	2.3	ug/L
|	Tl	205	4110.264	0.009	**1.000000**	0.02	1.7	ug/L
⌊	Pb	208	5718.038	0.012	**1.000000**	0.01	0.5	ug/L
⌈>	Bi	209	230990.861	230990.861				mg/L
⌊	U	238	7266.904	0.031	**1.000000**	0.01	1.3	ug/L
	Kr	83	49.933	6.000				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45			
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89			
Mo	95			

Mo	97
Mo	98
Ag	107
Ag	109
Cd	111
Cd	114
In	115
Sn	120
Sb	121
Sb	123
Ba	135
Ba	137
Ce	140
Tb	159
Ho	165
Tl	203
Tl	205
Pb	208
Bi	209
U	238
Kr	83

Quantitative Analysis - Summary Report

Sample ID: Std 3
Sample Date/Time: Monday, January 07, 2013 15:58:33
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\Std 3.004
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	14017.650	0.002				ug/L
|	Li	7	2568.363	0.007	**5.008193**	0.11	2.3	ug/L
|	Be	9	336.673	0.001	**4.995345**	0.71	14.3	ug/L
|	B	11	663.358	0.002	**5.000000**	0.49	9.8	ug/L
|	Na	23	28778.875	0.092	**50.000000**	2.59	5.2	ug/L
|	Mg	24	16047.501	0.063	**50.000000**	1.06	2.1	ug/L
|	Al	27	49700.519	0.205	**55.000000**	1.04	1.9	ug/L
|	Si	28	49512.472	-0.040	**50.000000**	130.55	261.1	ug/L
|	K	39	68322.465	0.125	**50.000000**	3.08	6.2	ug/L
|	Ca	43	446.678	0.001	**50.000000**	15.19	30.4	ug/L
| >	Sc	45	239860.264	239860.264				ug/L
|	Ti	49	1073.397	0.003	**4.964463**	0.58	11.6	ug/L
|	Co	59	9651.795	0.040	**4.999448**	0.31	6.2	ug/L
|	Ni	60	2158.923	0.009	**4.998655**	0.14	2.7	ug/L
|	Ni	62	389.342	0.001	**4.988975**	0.73	14.6	ug/L
|	Cu	63	5900.582	0.024	**5.001081**	0.22	4.3	ug/L
|	Cu	65	3140.543	0.013	**5.000120**	0.21	4.1	ug/L
|	Zn	66	2284.287	0.007	**5.000000**	0.05	0.9	ug/L
|	Zn	67	2784.427	0.007	**5.000000**	1.16	23.2	ug/L
|	Zn	68	1648.150	0.005	**5.000000**	0.57	11.4	ug/L
|	V	51	6730.387	0.028	**5.042540**	0.60	11.8	ug/L
|	Cr	52	11570.694	0.034	**4.985905**	0.03	0.6	ug/L
|	Cr	53	34358.171	0.064	**4.862701**	1.15	23.6	ug/L
|	Mn	55	12110.730	0.050	**4.998840**	0.09	1.8	ug/L
|	Fe	54	16355.373	0.025	**50.000000**	2.66	5.3	ug/L
⌊	Fe	57	3604.715	0.010	**50.000000**	1.82	3.6	ug/L
⌈	As	75	1934.085	0.004	**4.975778**	0.30	6.0	ug/L
|	Se	77	4175.626	0.003	**24.738270**	2.32	9.4	ug/L
|	Se	82	972.761	0.002	**24.981508**	1.36	5.4	ug/L
|	Sr	86	2780.119	0.005	**4.996611**	0.34	6.9	ug/L
|	Sr	87	2213.057	0.004	**4.999557**	0.16	3.2	ug/L
|	Sr	88	24428.149	0.041	**4.996873**	0.24	4.8	ug/L
| >	Y	89	583622.506	583622.506				ug/L
|	Mo	95	3135.208	0.005	**4.993704**	0.30	6.0	ug/L
|	Mo	97	1931.539	0.003	**4.992539**	0.26	5.2	ug/L
⌊	Mo	98	5218.861	0.009	**4.998039**	0.26	5.2	ug/L
⌈	Ag	107	10060.230	0.034	**4.996293**	0.06	1.3	ug/L

|	Ag	109	9379.503	0.032	**4.997309**	0.11	2.2	ug/L
|	Cd	111	2234.275	0.008	**4.998357**	0.09	1.8	ug/L
|	Cd	114	5159.980	0.017	**4.999129**	0.10	1.9	ug/L
|>	In	115	295165.661	295165.661				ug/L
|	Sn	120	9903.179	0.033	**4.995753**	0.07	1.4	ug/L
|	Sb	121	9383.509	0.027	**4.998531**	0.20	4.0	ug/L
|	Sb	123	7197.420	0.021	**5.003204**	0.20	3.9	ug/L
⌈	Ba	135	2154.255	0.005	**4.996168**	0.04	0.8	ug/L
|	Ba	137	3793.458	0.009	**4.997693**	0.14	2.8	ug/L
|	Ce	140	64.667	0.000	**5.047024**	0.89	17.5	ug/L
|	Tb	159	428248.031	0.007				ug/L
|>	Ho	165	439768.740	439768.740				ug/L
|	Tl	203	7896.095	0.018	**4.997884**	0.15	3.1	ug/L
|	Tl	205	18506.824	0.042	**4.997934**	0.17	3.4	ug/L
⌊	Pb	208	25606.396	0.058	**4.996703**	0.14	2.7	ug/L
⌈>	Bi	209	214616.086	214616.086				mg/L
⌊	U	238	33505.645	0.156	**4.998835**	0.10	2.1	ug/L
	Kr	83	46.267	2.333				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45			
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89			
Mo	95			

Mo	97
Mo	98
Ag	107
Ag	109
Cd	111
Cd	114
In	115
Sn	120
Sb	121
Sb	123
Ba	135
Ba	137
Ce	140
Tb	159
Ho	165
Tl	203
Tl	205
Pb	208
Bi	209
U	238
Kr	83

Quantitative Analysis - Summary Report

Sample ID: Std 4
Sample Date/Time: Monday, January 07, 2013 16:01:31
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\Std 4.005
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
								ug/L
⌈	Li	6	14236.828	-0.002				
|	Li	7	16464.229	0.060	**49.979165**	0.70	1.4	ug/L
|	Be	9	3544.692	0.014	**50.011352**	2.79	5.6	ug/L
|	B	11	5191.482	0.019	**49.998383**	1.53	3.1	ug/L
|	Na	23	52585.170	0.176	**99.052063**	4.69	4.7	ug/L
|	Mg	24	31554.679	0.118	**98.398142**	1.25	1.3	ug/L
|	Al	27	142056.329	0.547	**149.837719**	2.21	1.5	ug/L
|	Si	28	49891.236	-0.053	**109.363758**	23.76	21.7	ug/L
|	K	39	93040.563	0.200	**96.286551**	5.37	5.6	ug/L
|	Ca	43	721.362	0.002	**101.644565**	9.61	9.5	ug/L
|								ug/L
| >	Sc	45	258586.611	258586.611				
|	Ti	49	5950.614	0.021	**49.979266**	0.61	1.2	ug/L
|	Co	59	98892.593	0.382	**49.988238**	1.42	2.8	ug/L
|	Ni	60	21695.859	0.084	**49.983287**	0.80	1.6	ug/L
|	Ni	62	3482.001	0.013	**49.976146**	1.78	3.6	ug/L
|	Cu	63	57844.782	0.223	**49.983027**	0.50	1.0	ug/L
|	Cu	65	29577.380	0.114	**49.970639**	1.03	2.1	ug/L
|	Zn	66	18557.619	0.070	**49.982801**	2.93	5.9	ug/L
|	Zn	67	5683.110	0.017	**49.761736**	3.04	6.1	ug/L
|	Zn	68	14180.391	0.053	**50.005464**	1.93	3.9	ug/L
|	V	51	88604.180	0.343	**50.044602**	0.90	1.8	ug/L
|	Cr	52	85266.019	0.316	**49.986775**	0.05	0.1	ug/L
|	Cr	53	45265.149	0.096	**48.826093**	5.42	11.1	ug/L
|	Mn	55	123652.816	0.477	**49.989153**	1.38	2.8	ug/L
|	Fe	54	23532.905	0.048	**99.469789**	1.23	1.2	ug/L
⌊	Fe	57	6335.541	0.020	**99.434608**	2.92	2.9	ug/L
⌈	As	75	23800.922	0.039	**50.001608**	2.19	4.4	ug/L
|	Se	77	11405.817	0.014	**249.188223**	7.28	2.9	ug/L
|	Se	82	10194.999	0.016	**249.977412**	9.12	3.6	ug/L
|	Sr	86	29912.992	0.048	**50.004704**	0.86	1.7	ug/L
|	Sr	87	22069.286	0.036	**49.984153**	1.20	2.4	ug/L
|	Sr	88	253392.086	0.409	**49.995491**	1.12	2.2	ug/L
|								ug/L
| >	Y	89	618304.899	618304.899				
|	Mo	95	32922.217	0.053	**50.000932**	0.79	1.6	ug/L
|	Mo	97	20795.765	0.034	**50.007747**	0.37	0.7	ug/L
⌊	Mo	98	52986.292	0.086	**49.988990**	0.33	0.7	ug/L
⌈	Ag	107	101693.139	0.326	**49.988471**	2.22	4.4	ug/L

|	Ag	109	99346.042	0.318	**50.002840**	1.37	2.7	ug/L
|	Cd	111	23168.489	0.074	**49.997134**	1.15	2.3	ug/L
|	Cd	114	53801.483	0.172	**49.996641**	0.25	0.5	ug/L
|>	In	115	312420.379	312420.379				ug/L
|	Sn	120	99146.798	0.317	**49.988533**	1.57	3.1	ug/L
|	Sb	121	83843.553	0.264	**49.992108**	1.60	3.2	ug/L
|	Sb	123	63975.683	0.201	**49.990711**	1.45	2.9	ug/L
|	Ba	135	21427.892	0.046	**49.988339**	1.57	3.1	ug/L
|	Ba	137	38103.719	0.082	**49.987419**	0.33	0.7	ug/L
|	Ce	140	19.333	0.000	**62.564924**	63.01	100.7	ug/L
|	Tb	159	448140.702	-0.000				ug/L
|>	Ho	165	463866.562	463866.562				ug/L
|	Tl	203	79833.797	0.172	**49.989139**	0.27	0.5	ug/L
|	Tl	205	189802.782	0.409	**49.994502**	0.26	0.5	ug/L
|	Pb	208	258601.815	0.557	**49.989996**	0.85	1.7	ug/L
|>	Bi	209	230195.232	230195.232				mg/L
|	U	238	343166.058	1.491	**49.987195**	0.20	0.4	ug/L
	Kr	83	47.200	3.267				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45			
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89			
Mo	95			

Mo	97
Mo	98
Ag	107
Ag	109
Cd	111
Cd	114
In	115
Sn	120
Sb	121
Sb	123
Ba	135
Ba	137
Ce	140
Tb	159
Ho	165
Tl	203
Tl	205
Pb	208
Bi	209
U	238
Kr	83

Quantitative Analysis - Summary Report

Sample ID: Std 5
Sample Date/Time: Monday, January 07, 2013 16:04:27
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\Std 5.006
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	14533.769	-0.003				ug/L
|	Li	7	33748.553	0.121	**100.306980**	1.29	1.3	ug/L
|	Be	9	7466.399	0.028	**100.206954**	4.13	4.1	ug/L
|	B	11	10522.757	0.038	**99.831624**	0.86	0.9	ug/L
|	Na	23	525512.856	1.919	**1000.333562**	102.58	10.3	ug/L
|	Mg	24	362314.421	1.338	**1000.367885**	27.54	2.8	ug/L
|	Al	27	1120589.513	4.146	**1100.379394**	12.07	1.1	ug/L
|	Si	28	50180.168	-0.060	**965.113842**	28.12	2.9	ug/L
|	K	39	675801.153	2.341	**1000.685396**	45.77	4.6	ug/L
|	Ca	43	3590.043	0.012	**998.288254**	21.80	2.2	ug/L
|>	Sc	45	270115.774	270115.774				ug/L
|	Ti	49	12148.120	0.043	**100.535901**	3.48	3.5	ug/L
|	Co	59	206615.472	0.765	**100.031922**	3.83	3.8	ug/L
|	Ni	60	46015.515	0.170	**100.305389**	2.87	2.9	ug/L
|	Ni	62	7337.631	0.027	**100.312123**	4.64	4.6	ug/L
|	Cu	63	124620.086	0.460	**100.604512**	1.24	1.2	ug/L
|	Cu	65	63038.036	0.233	**100.423962**	2.76	2.8	ug/L
|	Zn	66	39535.115	0.144	**100.605682**	1.74	1.7	ug/L
|	Zn	67	9173.962	0.029	**99.681919**	5.05	5.1	ug/L
|	Zn	68	29004.874	0.106	**99.890567**	0.66	0.7	ug/L
|	V	51	195646.198	0.725	**100.910858**	3.88	3.8	ug/L
|	Cr	52	175612.192	0.636	**100.192230**	3.85	3.8	ug/L
|	Cr	53	58271.704	0.136	**97.716860**	5.98	6.1	ug/L
|	Mn	55	261519.286	0.967	**100.249699**	1.65	1.6	ug/L
|	Fe	54	140425.107	0.477	**1000.031697**	26.58	2.7	ug/L
⌊	Fe	57	55802.745	0.202	**1000.112189**	18.46	1.8	ug/L
⌈	As	75	50409.618	0.077	**99.768357**	2.49	2.5	ug/L
|	Se	77	21160.618	0.028	**501.852911**	9.93	2.0	ug/L
|	Se	82	22161.439	0.034	**501.864411**	6.06	1.2	ug/L
|	Sr	86	64307.317	0.098	**100.180834**	1.91	1.9	ug/L
|	Sr	87	46455.907	0.071	**99.814004**	4.53	4.5	ug/L
|	Sr	88	546899.231	0.830	**100.260422**	1.99	2.0	ug/L
|>	Y	89	657877.399	657877.399				ug/L
|	Mo	95	72808.634	0.111	**100.700643**	1.89	1.9	ug/L
|	Mo	97	45487.540	0.069	**100.500302**	0.74	0.7	ug/L
⌊	Mo	98	114161.119	0.173	**100.238632**	3.29	3.3	ug/L
⌈	Ag	107	224070.779	0.691	**101.056330**	1.92	1.9	ug/L

	Ag	109	214402.982	0.661	**100.693087**	2.66	2.6	ug/L
	Cd	111	49292.471	0.152	**100.443624**	2.62	2.6	ug/L
	Cd	114	113660.576	0.350	**100.318273**	2.64	2.6	ug/L
>	In	115	324182.938	324182.938				ug/L
	Sn	120	212258.144	0.654	**100.567788**	2.19	2.2	ug/L
	Sb	121	180308.784	0.552	**100.790297**	1.22	1.2	ug/L
	Sb	123	138022.137	0.422	**100.847602**	1.52	1.5	ug/L
	Ba	135	47333.061	0.097	**100.954600**	3.22	3.2	ug/L
	Ba	137	81839.078	0.168	**100.457410**	2.55	2.5	ug/L
	Ce	140	48.667	0.000	**176.438791**	168.90	95.7	ug/L
	Tb	159	478232.955	0.017				ug/L
>	Ho	165	486019.999	486019.999				ug/L
	Tl	203	169916.523	0.349	**100.293537**	2.37	2.4	ug/L
	Tl	205	401417.398	0.826	**100.181769**	4.48	4.5	ug/L
	Pb	208	553310.786	1.138	**100.389555**	3.02	3.0	ug/L
>	Bi	209	239583.146	239583.146				mg/L
	U	238	735426.272	3.069	**100.533632**	1.41	1.4	ug/L
	Kr	83	54.067	10.133				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45			
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89			
Mo	95			

Mo	97
Mo	98
Ag	107
Ag	109
Cd	111
Cd	114
In	115
Sn	120
Sb	121
Sb	123
Ba	135
Ba	137
Ce	140
Tb	159
Ho	165
Tl	203
Tl	205
Pb	208
Bi	209
U	238
Kr	83

Quantitative Analysis - Summary Report

Sample ID: Std 6
Sample Date/Time: Monday, January 07, 2013 16:07:24
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\Std 6.007
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	13805.313	-0.007				ug/L
|	Li	7	68839.777	0.243	**200.444388**	4.56	2.3	ug/L
|	Be	9	15377.673	0.055	**200.083784**	2.25	1.1	ug/L
|	B	11	22344.130	0.079	**201.501937**	4.31	2.1	ug/L
|	Na	23	5376582.975	19.306	**10000.187912**	578.25	5.8	ug/L
|	Mg	24	3738115.071	13.432	**9999.888823**	475.48	4.8	ug/L
|	Al	27	10882818.471	39.130	**10201.377815**	220.92	2.2	ug/L
|	Si	28	50600.610	-0.064	**9370.568012**	1459.04	15.6	ug/L
|	K	39	6587109.383	23.506	**10000.071622**	448.36	4.5	ug/L
|	Ca	43	32623.789	0.116	**9997.672206**	137.62	1.4	ug/L
|>	Sc	45	278218.374	278218.374				ug/L
|	Ti	49	24964.243	0.088	**201.147060**	1.18	0.6	ug/L
|	Co	59	430058.147	1.546	**200.436678**	2.97	1.5	ug/L
|	Ni	60	93125.242	0.335	**199.416574**	5.58	2.8	ug/L
|	Ni	62	15096.531	0.054	**200.232926**	7.16	3.6	ug/L
|	Cu	63	251377.409	0.903	**199.409917**	2.28	1.1	ug/L
|	Cu	65	129578.064	0.465	**200.125401**	2.86	1.4	ug/L
|	Zn	66	79328.649	0.283	**199.444446**	3.73	1.9	ug/L
|	Zn	67	15762.990	0.052	**198.609780**	2.61	1.3	ug/L
|	Zn	68	59390.850	0.212	**200.063018**	10.80	5.4	ug/L
|	V	51	405286.175	1.458	**200.441004**	6.65	3.3	ug/L
|	Cr	52	359145.007	1.278	**200.273581**	5.49	2.7	ug/L
|	Cr	53	80330.784	0.209	**194.940177**	3.17	1.6	ug/L
|	Mn	55	546460.558	1.964	**200.691511**	5.19	2.6	ug/L
|	Fe	54	1329692.524	4.737	**9999.614658**	284.87	2.8	ug/L
⌞	Fe	57	544815.302	1.955	**9997.637977**	286.43	2.9	ug/L
⌜	As	75	105763.248	0.154	**199.761151**	2.20	1.1	ug/L
|	Se	77	39269.989	0.052	**992.449640**	25.30	2.5	ug/L
|	Se	82	45944.421	0.067	**998.041300**	19.76	2.0	ug/L
|	Sr	86	134527.052	0.195	**199.910326**	3.86	1.9	ug/L
|	Sr	87	99241.366	0.144	**200.689809**	4.79	2.4	ug/L
|	Sr	88	1154553.111	1.671	**200.326708**	2.62	1.3	ug/L
|>	Y	89	690636.230	690636.230				ug/L
|	Mo	95	151094.820	0.219	**199.765784**	2.13	1.1	ug/L
|	Mo	97	94478.934	0.137	**199.718510**	7.52	3.8	ug/L
⌞	Mo	98	243876.780	0.353	**200.792828**	1.63	0.8	ug/L
⌜	Ag	107	451380.162	1.357	**199.600554**	2.73	1.4	ug/L

|	Ag	109	437355.221	1.315	**199.981809**	4.32	2.2	ug/L
|	Cd	111	103205.419	0.310	**200.966169**	2.16	1.1	ug/L
|	Cd	114	242817.743	0.730	**201.725248**	5.18	2.6	ug/L
|>	In	115	332695.345	332695.345				ug/L
|	Sn	120	442641.101	1.330	**200.858776**	2.18	1.1	ug/L
|	Sb	121	375532.809	1.124	**201.017360**	1.92	1.0	ug/L
|	Sb	123	286841.990	0.859	**200.955777**	2.05	1.0	ug/L
|	Ba	135	97692.173	0.191	**199.484357**	2.96	1.5	ug/L
|	Ba	137	172092.335	0.336	**200.086344**	6.26	3.1	ug/L
|	Ce	140	301.338	0.001	**241.669807**	29.21	12.1	ug/L
|	Tb	159	497235.465	0.004				ug/L
|>	Ho	165	512404.936	512404.936				ug/L
|	Tl	203	357292.448	0.697	**200.015206**	2.66	1.3	ug/L
|	Tl	205	843508.988	1.646	**199.939451**	2.29	1.1	ug/L
|	Pb	208	1147481.773	2.239	**199.480176**	5.47	2.7	ug/L
|>	Bi	209	244498.860	244498.860				mg/L
|	U	238	1532220.435	6.268	**201.025644**	5.42	2.7	ug/L
	Kr	83	57.934	14.000				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45			
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89			
Mo	95			

Mo	97
Mo	98
Ag	107
Ag	109
Cd	111
Cd	114
In	115
Sn	120
Sb	121
Sb	123
Ba	135
Ba	137
Ce	140
Tb	159
Ho	165
Tl	203
Tl	205
Pb	208
Bi	209
U	238
Kr	83

File Name: 01-07.cal
File Path: C:\Elandata\System\01-07.cal
Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Li	6.015	Simple Linear	0.000000000	0.000000000	0.000000
Li	7.016	Simple Linear	0.001214414	-0.000108409	0.999975
Be	9.012	Simple Linear	0.000276026	-0.000047081	0.999995
B	11.009	Simple Linear	0.000396235	-0.000739534	0.999778
Na	22.990	Simple Linear	0.001931535	-0.009491049	1.000000
Mg	23.985	Simple Linear	0.001344109	-0.008485679	1.000000
Al	26.982	Simple Linear	0.003838361	-0.026538061	0.999998
Si	27.977	Simple Linear	-0.000001837	-0.047107527	-0.679895
K	38.964	Simple Linear	0.002351619	-0.010495932	0.999999
Ca	42.959	Simple Linear	0.000011586	0.000498775	0.999990
Sc	44.956	Simple Linear	0.000000000	0.000000000	0.000000
Ti	48.948	Simple Linear	0.000436306	0.000017894	0.999868
Co	58.933	Simple Linear	0.007715398	-0.000939336	0.999985
Ni	59.933	Simple Linear	0.001676502	0.000444734	0.999964
Ni	61.928	Simple Linear	0.000270294	-0.000077614	0.999985
Cu	62.930	Simple Linear	0.004524103	0.000501907	0.999939
Cu	64.928	Simple Linear	0.002324618	-0.000083410	0.999981
Zn	65.926	Simple Linear	0.001418853	0.000160582	0.999928
Zn	66.927	Simple Linear	0.000235243	0.005264879	0.999480
Zn	67.925	Simple Linear	0.001059594	0.000225239	0.999998
V	50.944	Simple Linear	0.007311178	-0.007360831	0.999905
Cr	51.941	Simple Linear	0.006375603	0.000688643	0.999990
Cr	52.941	Simple Linear	0.000823324	0.048803590	0.989097
Mn	54.938	Simple Linear	0.009803883	-0.003657591	0.999957
Fe	53.940	Simple Linear	0.000473617	0.001353775	1.000000
Fe	56.935	Simple Linear	0.000195321	0.001754060	0.999995
As	74.922	Simple Linear	0.000768561	0.000384799	0.999989
Se	76.920	Simple Linear	0.000051732	0.000870277	0.999708
Se	81.917	Simple Linear	0.000066643	0.000008474	0.999975
Sr	85.909	Simple Linear	0.000974631	-0.000084083	0.999996
Sr	86.909	Simple Linear	0.000716366	-0.000127833	0.999959
Sr	87.906	Simple Linear	0.008354175	-0.002436736	0.999986
Y	88.905	Simple Linear	0.000000000	0.000000000	0.000000
Mo	94.906	Simple Linear	0.001095854	-0.000186800	0.999952
Mo	96.906	Simple Linear	0.000685156	-0.000083315	0.999971
Mo	97.906	Simple Linear	0.001762032	-0.000723224	0.999945
Ag	106.905	Simple Linear	0.006802807	-0.001304361	0.999887
Ag	108.905	Simple Linear	0.006582680	-0.001882681	0.999958
Cd	110.904	Simple Linear	0.001548238	-0.000971645	0.999910
Cd	113.904	Simple Linear	0.003635820	-0.003550051	0.999758
In	114.904	Simple Linear	0.000000000	0.000000000	0.000000
Sn	119.902	Simple Linear	0.006641325	-0.004034084	0.999914
Sb	120.904	Simple Linear	0.005614677	-0.004300544	0.999866
Sb	122.904	Simple Linear	0.004289664	-0.003464179	0.999867
Ba	134.906	Simple Linear	0.000955985	-0.000059200	0.999897
Ba	136.905	Simple Linear	0.001680568	-0.000322223	0.999981
Ce	139.905	Simple Linear	0.000002347	-0.000014954	0.868228
Tb	158.925	Simple Linear	0.000000000	0.000000000	0.000000

Ho	164.930	Simple Linear	0.000000000	0.000000000	0.000000
Tl	202.972	Simple Linear	0.003487555	-0.000231320	0.999992
Tl	204.975	Simple Linear	0.008232980	0.000112537	0.999997
Pb	207.977	Simple Linear	0.011217394	0.001810083	0.999965
Bi	208.980	Simple Linear	0.000000000	0.000000000	0.000000
U	238.050	Simple Linear	0.031282218	-0.020211963	0.999893
Kr	82.914	Simple Linear	0.000000000	0.000000000	0.000000

Quantitative Analysis - Summary Report

Sample ID: QC Std 1
Sample Date/Time: Monday, January 07, 2013 16:10:20
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\QC Std 1.008
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	14162.934	-0.004				ug/L
|	Li	7	33399.982	0.121	**99.836846**	1.45	1.5	ug/L
|	Be	9	7290.260	0.027	**98.934276**	2.28	2.3	ug/L
|	B	11	10682.277	0.039	**100.030301**	1.47	1.5	ug/L
|	Na	23	2541451.612	9.505	**4926.041243**	65.97	1.3	ug/L
|	Mg	24	1693543.416	6.346	**4727.846069**	93.68	2.0	ug/L
|	Al	27	5261256.924	19.733	**5147.925400**	15.66	0.3	ug/L
|	Si	28	48813.370	-0.063	**8523.687304**	5117.25	60.0	ug/L
|	K	39	3114901.573	11.532	**4908.483994**	216.94	4.4	ug/L
|	Ca	43	15845.817	0.059	**5006.875375**	134.15	2.7	ug/L
| >	Sc	45	266615.661	266615.661				ug/L
|	Ti	49	12025.977	0.043	**98.779549**	2.90	2.9	ug/L
|	Co	59	205164.801	0.769	**99.796208**	1.25	1.3	ug/L
|	Ni	60	44257.683	0.166	**98.660224**	1.47	1.5	ug/L
|	Ni	62	6878.603	0.026	**94.897874**	1.95	2.1	ug/L
|	Cu	63	118468.496	0.443	**97.883665**	0.51	0.5	ug/L
|	Cu	65	60239.021	0.226	**97.085970**	2.17	2.2	ug/L
|	Zn	66	38323.375	0.142	**99.745193**	1.66	1.7	ug/L
|	Zn	67	8913.709	0.029	**99.815302**	1.50	1.5	ug/L
|	Zn	68	29332.598	0.109	**102.340212**	2.54	2.5	ug/L
|	V	51	192213.148	0.721	**99.674350**	1.53	1.5	ug/L
|	Cr	52	174288.068	0.640	**100.220249**	0.78	0.8	ug/L
|	Cr	53	59255.160	0.143	**114.475567**	10.95	9.6	ug/L
|	Mn	55	258331.886	0.968	**99.159721**	1.88	1.9	ug/L
|	Fe	54	661905.759	2.439	**5146.289452**	148.02	2.9	ug/L
⌊	Fe	57	266251.118	0.994	**5081.812264**	91.89	1.8	ug/L
⌈	As	75	49299.655	0.076	**98.583726**	1.08	1.1	ug/L
|	Se	77	20422.947	0.027	**497.032513**	10.58	2.1	ug/L
|	Se	82	21373.199	0.033	**490.196720**	2.67	0.5	ug/L
|	Sr	86	63421.338	0.097	**99.520961**	1.09	1.1	ug/L
|	Sr	87	46164.767	0.071	**98.625383**	1.33	1.4	ug/L
|	Sr	88	532314.174	0.813	**97.598971**	1.40	1.4	ug/L
| >	Y	89	653984.177	653984.177				ug/L
|	Mo	95	71412.810	0.109	**99.733767**	1.51	1.5	ug/L
|	Mo	97	43368.067	0.066	**96.840175**	0.47	0.5	ug/L
⌊	Mo	98	113643.780	0.174	**99.057123**	1.46	1.5	ug/L
⌈	Ag	107	213098.698	0.656	**96.572297**	4.30	4.5	ug/L

|	Ag	109	206546.185	0.635	**96.758844**	2.84	2.9	ug/L
|	Cd	111	47659.720	0.146	**95.231808**	2.51	2.6	ug/L
|	Cd	114	109974.301	0.338	**93.811019**	1.17	1.2	ug/L
|>	In	115	325552.103	325552.103				ug/L
|	Sn	120	206785.296	0.635	**96.194918**	1.53	1.6	ug/L
|	Sb	121	175280.697	0.535	**95.974965**	2.42	2.5	ug/L
|	Sb	123	134271.543	0.410	**96.295092**	4.23	4.4	ug/L
|	Ba	135	45605.730	0.094	**98.231404**	0.69	0.7	ug/L
|	Ba	137	78692.593	0.162	**96.555988**	0.93	1.0	ug/L
|	Ce	140	153.335	0.000	**125.316247**	18.12	14.5	ug/L
|	Tb	159	462999.904	-0.013				ug/L
|>	Ho	165	485666.480	485666.480				ug/L
|	Tl	203	164578.671	0.339	**97.208394**	0.75	0.8	ug/L
|	Tl	205	390501.846	0.804	**97.662722**	1.86	1.9	ug/L
|	Pb	208	530719.636	1.093	**97.294349**	1.85	1.9	ug/L
|>	Bi	209	231971.653	231971.653				mg/L
|	U	238	709294.441	3.057	**98.359652**	1.62	1.7	ug/L
	Kr	83	50.600	6.667				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7	99.837		
Be	9	98.934		
B	11	100.030		
Na	23	98.521		
Mg	24	94.557		
Al	27	100.940		
Si	28	170.474		
K	39	98.170		
Ca	43	100.138		
Sc	45		102.878	
Ti	49	98.780		
Co	59	99.796		
Ni	60	98.660		
Ni	62	94.898		
Cu	63	97.884		
Cu	65	97.086		
Zn	66	99.745		
Zn	67	99.815		
Zn	68	102.340		
V	51	99.674		
Cr	52	100.220		
Cr	53	114.476		
Mn	55	99.160		
Fe	54	102.926		
Fe	57	101.636		
As	75	98.584		
Se	77	99.407		
Se	82	98.039		
Sr	86	99.521		
Sr	87	98.625		
Sr	88	97.599		
Y	89		102.734	
Mo	95	99.734		

Mo	97	96.840	
Mo	98	99.057	
Ag	107	96.572	
Ag	109	96.759	
Cd	111	95.232	
Cd	114	93.811	
In	115		101.724
Sn	120	96.195	
Sb	121	95.975	
Sb	123	96.295	
Ba	135	98.231	
Ba	137	96.556	
Ce	140	125.316	
Tb	159		
Ho	165		101.411
Tl	203	97.208	
Tl	205	97.663	
Pb	208	97.294	
Bi	209		101.226
U	238	98.360	
Kr	83		

Quantitative Analysis - Summary Report

Sample ID: QC Std 2
Sample Date/Time: Monday, January 07, 2013 16:13:17
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\QC Std 2.009
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	14815.325	0.000				ug/L
|	Li	7	1762.171	0.003	**2.224408**	0.34	15.1	ug/L
|	Be	9	168.668	0.001	**2.207264**	0.03	1.5	ug/L
|	B	11	2537.021	0.009	**23.425976**	1.39	5.9	ug/L
|	Na	23	57984.417	0.195	**105.773267**	4.04	3.8	ug/L
|	Mg	24	17383.305	0.063	**52.981426**	3.29	6.2	ug/L
|	Al	27	52742.590	0.200	**59.022104**	0.54	0.9	ug/L
|	Si	28	49102.320	-0.058	**5783.649825**	4036.37	69.8	ug/L
|	K	39	82405.346	0.156	**70.799713**	3.78	5.3	ug/L
|	Ca	43	1052.061	0.003	**224.058869**	14.83	6.6	ug/L
|>	Sc	45	260688.873	260688.873				ug/L
|	Ti	49	1225.416	0.003	**6.252395**	0.86	13.7	ug/L
|	Co	59	4401.067	0.017	**2.275805**	0.12	5.2	ug/L
|	Ni	60	966.051	0.004	**1.873171**	0.02	1.1	ug/L
|	Ni	62	193.335	0.001	**2.139168**	0.37	17.4	ug/L
|	Cu	63	2703.069	0.009	**1.945099**	0.14	7.2	ug/L
|	Cu	65	1357.435	0.005	**2.066907**	0.13	6.3	ug/L
|	Zn	66	2780.426	0.009	**5.933664**	0.41	6.9	ug/L
|	Zn	67	3383.297	0.008	**12.912092**	3.49	27.1	ug/L
|	Zn	68	2158.923	0.007	**6.249389**	0.27	4.3	ug/L
|	V	51	17625.152	0.068	**10.313608**	0.37	3.6	ug/L
|	Cr	52	11447.206	0.030	**4.600776**	0.23	5.1	ug/L
|	Cr	53	41681.428	0.080	**38.461206**	9.57	24.9	ug/L
|	Mn	55	5644.420	0.021	**2.491797**	0.08	3.2	ug/L
|	Fe	54	24975.414	0.053	**108.322997**	9.05	8.4	ug/L
⌊	Fe	57	6515.669	0.020	**94.801439**	3.78	4.0	ug/L
⌜	As	75	1403.364	0.003	**3.430048**	0.41	12.0	ug/L
|	Se	77	4211.645	0.002	**23.183423**	6.44	27.8	ug/L
|	Se	82	219.864	0.000	**5.120816**	0.30	5.8	ug/L
|	Sr	86	661.270	0.001	**1.139536**	0.05	4.8	ug/L
|	Sr	87	513.724	0.001	**1.256409**	0.14	11.2	ug/L
|	Sr	88	5665.098	0.008	**1.296836**	0.03	2.0	ug/L
|>	Y	89	626189.886	626189.886				ug/L
|	Mo	95	1542.131	0.002	**2.382878**	0.20	8.2	ug/L
|	Mo	97	962.718	0.002	**2.312208**	0.11	4.7	ug/L
⌊	Mo	98	2386.350	0.004	**2.556498**	0.03	1.0	ug/L
⌜	Ag	107	1643.482	0.005	**0.938605**	0.03	3.5	ug/L

|	Ag	109	1598.808	0.005	**1.039095**	0.06	5.3	ug/L
|	Cd	111	1006.722	0.003	**2.650508**	0.07	2.6	ug/L
|	Cd	114	2325.853	0.007	**2.967243**	0.08	2.7	ug/L
|>	In	115	316947.692	316947.692				ug/L
|	Sn	120	9058.182	0.028	**4.814381**	0.11	2.4	ug/L
|	Sb	121	10074.246	0.027	**5.630354**	0.19	3.4	ug/L
|	Sb	123	7990.240	0.022	**5.831831**	0.20	3.4	ug/L
⌈	Ba	135	2412.987	0.005	**5.317728**	0.12	2.3	ug/L
|	Ba	137	4286.344	0.009	**5.503751**	0.18	3.2	ug/L
|	Ce	140	16.000	-0.000	**5.898815**	6.43	109.0	ug/L
|	Tb	159	457179.903	-0.003				ug/L
|>	Ho	165	474797.871	474797.871				ug/L
|	Tl	203	3564.032	0.007	**2.189051**	0.04	1.9	ug/L
|	Tl	205	8418.565	0.018	**2.115807**	0.08	3.9	ug/L
⌊	Pb	208	5814.726	0.012	**0.892383**	0.02	2.8	ug/L
⌈>	Bi	209	232855.844	232855.844				mg/L
⌊	U	238	200.002	0.001	**0.672444**	0.01	0.9	ug/L
	Kr	83	51.867	7.933				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7	111.220		
Be	9	110.363		
B	11	117.130		
Na	23	105.773		
Mg	24	105.963		
Al	27	118.044		
Si	28	5783.650		
K	39	94.400		
Ca	43	112.029		
Sc	45		100.591	
Ti	49	125.048		
Co	59	113.790		
Ni	60	93.659		
Ni	62	106.958		
Cu	63	97.255		
Cu	65	103.345		
Zn	66	98.894		
Zn	67	215.202		
Zn	68	104.156		
V	51	103.136		
Cr	52	115.019		
Cr	53	961.530		
Mn	55	124.590		
Fe	54	108.323		
Fe	57	94.801		
As	75	85.751		
Se	77	463.668		
Se	82	102.416		
Sr	86	113.954		
Sr	87	125.641		
Sr	88	129.684		
Y	89		98.368	
Mo	95	119.144		

Mo	97	115.610	
Mo	98	127.825	
Ag	107	93.861	
Ag	109	103.910	
Cd	111	132.525	
Cd	114	148.362	
In	115		99.036
Sn	120	120.360	
Sb	121	112.607	
Sb	123	116.637	
Ba	135	106.355	
Ba	137	110.075	
Ce	140	589.881	
Tb	159		
Ho	165		99.142
Tl	203	109.453	
Tl	205	105.790	
Pb	208	89.238	
Bi	209		101.612
U	238	67.244	
Kr	83		

Quantitative Analysis - Summary Report

Sample ID: QC Std 3
Sample Date/Time: Monday, January 07, 2013 16:16:14
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\QC Std 3.010
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	14770.613	-0.001				ug/L
|	Li	7	1094.066	-0.000	**0.043562**	0.08	194.7	ug/L
|	Be	9	19.333	-0.000	**0.126606**	0.06	51.3	ug/L
|	B	11	400.009	0.000	**2.661158**	0.09	3.4	ug/L
|	Na	23	7336.302	-0.000	**4.856440**	0.80	16.4	ug/L
|	Mg	24	600.020	-0.002	**5.023819**	0.28	5.5	ug/L
|	Al	27	1435.113	0.003	**7.719182**	0.06	0.8	ug/L
|	Si	28	47926.671	-0.066	**10304.926855**	829.56	8.1	ug/L
|	K	39	38481.302	-0.015	**-2.117964**	2.05	96.6	ug/L
|	Ca	43	468.012	0.001	**27.551951**	9.58	34.8	ug/L
| >	Sc	45	266121.757	266121.757				ug/L
|	Ti	49	651.357	0.000	**1.080763**	0.15	13.6	ug/L
|	Co	59	76.000	0.000	**0.124062**	0.00	2.3	ug/L
|	Ni	60	48.667	0.000	**-0.228028**	0.03	13.8	ug/L
|	Ni	62	42.667	-0.000	**-0.014936**	0.08	524.1	ug/L
|	Cu	63	238.670	-0.000	**-0.149419**	0.02	12.6	ug/L
|	Cu	65	126.668	-0.000	**0.033136**	0.06	193.8	ug/L
|	Zn	66	902.712	0.001	**0.810552**	0.28	34.3	ug/L
|	Zn	67	3363.289	0.008	**11.453431**	2.53	22.1	ug/L
|	Zn	68	746.697	0.001	**1.079976**	0.13	11.9	ug/L
|	V	51	-1054.492	-0.004	**0.527886**	0.27	51.0	ug/L
|	Cr	52	4654.525	0.004	**0.455442**	0.04	7.9	ug/L
|	Cr	53	42523.263	0.080	**38.302778**	6.09	15.9	ug/L
|	Mn	55	402.009	0.001	**0.437135**	0.01	2.3	ug/L
|	Fe	54	12180.955	0.003	**2.648607**	0.22	8.4	ug/L
⌊	Fe	57	1354.768	0.000	**-7.116260**	0.94	13.3	ug/L
⌜	As	75	-366.677	0.000	**-0.234621**	0.14	57.6	ug/L
|	Se	77	4156.952	0.002	**18.799664**	3.97	21.1	ug/L
|	Se	82	1.034	0.000	**-0.123970**	0.16	131.3	ug/L
|	Sr	86	-0.364	-0.000	**0.055220**	0.02	42.6	ug/L
|	Sr	87	29.804	-0.000	**0.176489**	0.02	12.6	ug/L
|	Sr	88	329.339	-0.000	**0.275150**	0.00	1.2	ug/L
| >	Y	89	639842.267	639842.267				ug/L
|	Mo	95	27.333	0.000	**0.172112**	0.01	4.7	ug/L
|	Mo	97	33.333	0.000	**0.143805**	0.02	11.4	ug/L
⌊	Mo	98	36.465	0.000	**0.426322**	0.00	0.8	ug/L
⌜	Ag	107	40.667	0.000	**0.195144**	0.01	3.2	ug/L

|	Ag	109	44.667	0.000	**0.293246**	0.00	0.6	ug/L
|	Cd	111	16.667	0.000	**0.631139**	0.00	0.0	ug/L
|	Cd	114	52.237	0.000	**0.992229**	0.00	0.4	ug/L
|>	In	115	321345.086	321345.086				ug/L
|	Sn	120	413.763	0.001	**0.703923**	0.00	0.3	ug/L
|	Sb	121	1487.455	0.000	**0.790835**	0.04	4.5	ug/L
L	Sb	123	1164.975	-0.000	**0.795908**	0.02	2.1	ug/L
Γ	Ba	135	37.333	0.000	**0.081375**	0.03	40.0	ug/L
|	Ba	137	49.333	-0.000	**0.191607**	0.01	5.8	ug/L
|	Ce	140	14.000	-0.000	**3.848178**	3.02	78.5	ug/L
|	Tb	159	466711.899	0.003				ug/L
|>	Ho	165	481325.955	481325.955				ug/L
|	Tl	203	70.000	0.000	**0.078410**	0.01	13.4	ug/L
|	Tl	205	185.335	0.000	**0.008315**	0.00	27.6	ug/L
L	Pb	208	212.668	0.000	**-0.160243**	0.00	1.0	ug/L
Γ>	Bi	209	236916.355	236916.355				mg/L
L	U	238	90.000	0.000	**0.657159**	0.00	0.1	ug/L
	Kr	83	46.733	2.800				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		102.687	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		100.513	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	100.410
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	100.505
Tl	203	
Tl	205	
Pb	208	
Bi	209	103.384
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: ICSA
Sample Date/Time: Monday, January 07, 2013 16:19:11
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\ICSA.011
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	13189.149	-0.006				ug/L
|	Li	7	1073.397	-0.000	**0.057480**	0.18	317.6	ug/L
|	Be	9	20.667	-0.000	**0.151002**	0.04	26.3	ug/L
|	B	11	570.018	0.001	**4.398851**	0.48	10.9	ug/L
|	Na	23	49297774.287	189.649	**98190.290908**	5408.62	5.5	ug/L
|	Mg	24	33611795.470	129.326	**96223.366055**	2533.91	2.6	ug/L
|	Al	27	103693782.233	399.160	**103999.254340**	1157.82	1.1	ug/L
|	Si	28	58644.570	-0.020	**-14573.271985**	3960.98	27.2	ug/L
|	K	39	67829496.961	260.789	**110902.059470**	4677.95	4.2	ug/L
|	Ca	43	317279.541	1.220	**105264.013834**	2556.48	2.4	ug/L
| >	Sc	45	259810.777	259810.777				ug/L
|	Ti	49	211012.924	0.810	**1856.891475**	54.45	2.9	ug/L
|	Co	59	3871.491	0.015	**2.018207**	0.03	1.4	ug/L
|	Ni	60	1478.120	0.006	**3.054798**	0.12	3.9	ug/L
|	Ni	62	701.360	0.002	**9.380226**	0.21	2.2	ug/L
|	Cu	63	2838.443	0.010	**2.067139**	0.07	3.5	ug/L
|	Cu	65	1400.108	0.005	**2.145205**	0.07	3.3	ug/L
|	Zn	66	1904.199	0.005	**3.585122**	0.14	3.9	ug/L
|	Zn	67	3554.029	0.009	**15.854384**	1.31	8.3	ug/L
|	Zn	68	902.711	0.002	**1.712879**	0.11	6.1	ug/L
|	V	51	-4045.366	-0.015	**-1.052415**	0.85	80.6	ug/L
|	Cr	52	8812.938	0.020	**3.031889**	0.05	1.8	ug/L
|	Cr	53	41815.960	0.082	**39.737837**	5.32	13.4	ug/L
|	Mn	55	30598.085	0.117	**12.297898**	0.27	2.2	ug/L
|	Fe	54	13347789.496	51.319	**108352.126309**	2741.71	2.5	ug/L
⌊	Fe	57	5545127.690	21.335	**109222.935156**	1489.93	1.4	ug/L
⌈	As	75	-443.928	0.000	**-0.406198**	0.37	90.7	ug/L
|	Se	77	5204.157	0.004	**52.459096**	7.52	14.3	ug/L
|	Se	82	-22.207	-0.000	**-0.677075**	0.19	28.0	ug/L
|	Sr	86	824.743	0.001	**1.393712**	0.03	2.3	ug/L
|	Sr	87	835.815	0.001	**1.960570**	0.28	14.0	ug/L
|	Sr	88	7640.544	0.011	**1.660263**	0.02	1.0	ug/L
| >	Y	89	632119.030	632119.030				ug/L
|	Mo	95	1545711.566	2.445	**2231.309037**	24.41	1.1	ug/L
|	Mo	97	950789.037	1.504	**2195.406411**	3.84	0.2	ug/L
⌊	Mo	98	2527203.972	3.998	**2269.101078**	34.01	1.5	ug/L
⌈	Ag	107	168.002	0.000	**0.259442**	0.00	1.5	ug/L

|	Ag	109	130.001	0.000	**0.338578**	0.01	2.9	ug/L
|	Cd	111	1487.789	0.005	**3.827184**	0.12	3.2	ug/L
|	Cd	114	2911.649	0.010	**3.636752**	0.24	6.5	ug/L
|>	In	115	297397.761	297397.761				ug/L
|	Sn	120	397.181	0.001	**0.711015**	0.01	1.7	ug/L
|	Sb	121	2608.374	0.004	**1.528283**	0.06	3.6	ug/L
L	Sb	123	2108.650	0.003	**1.604363**	0.04	2.3	ug/L
⌈	Ba	135	1564.801	0.003	**3.526171**	0.07	1.9	ug/L
|	Ba	137	2653.054	0.006	**3.530390**	0.06	1.7	ug/L
|	Ce	140	1354.101	0.003	**1234.581735**	81.61	6.6	ug/L
|	Tb	159	448570.008	-0.000				ug/L
|>	Ho	165	464527.580	464527.580				ug/L
|	Tl	203	150.001	0.000	**0.129228**	0.01	8.3	ug/L
|	Tl	205	342.006	0.001	**0.050758**	0.01	11.4	ug/L
L	Pb	208	1854.743	0.004	**0.156694**	0.01	9.1	ug/L
⌈>	Bi	209	206179.837	206179.837				mg/L
L	U	238	54.667	0.000	**0.653473**	0.00	0.0	ug/L
	Kr	83	77.467	33.534				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		100.252	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		99.299	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	92.927
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	96.997
Tl	203	
Tl	205	
Pb	208	
Bi	209	89.971
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: ICSAB
Sample Date/Time: Monday, January 07, 2013 16:22:08
Sample Type: Spike - 2 of 2
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\ICSAB.012
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	13821.246	-0.006				ug/L
|	Li	7	1034.059	-0.000	**-0.195201**	0.14	74.0	ug/L
|	Be	9	24.000	0.000	**0.185191**	0.08	41.1	ug/L
|	B	11	522.682	0.001	**3.742786**	0.32	8.5	ug/L
|	Na	23	53954609.434	199.327	**103201.184295**	2180.25	2.1	ug/L
|	Mg	24	36198393.707	133.760	**99521.859281**	2622.40	2.6	ug/L
|	Al	27	109625511.925	405.121	**105552.256991**	3281.90	3.1	ug/L
|	Si	28	59145.169	-0.028	**-10592.478193**	2138.28	20.2	ug/L
|	K	39	68492325.922	252.986	**107584.038696**	4311.45	4.0	ug/L
|	Ca	43	344420.595	1.272	**109739.714303**	4120.26	3.8	ug/L
|>	Sc	45	270718.640	270718.640				ug/L
|	Ti	49	217750.707	0.803	**1839.362336**	34.29	1.9	ug/L
|	Co	59	175152.670	0.647	**83.983022**	2.66	3.2	ug/L
|	Ni	60	38298.585	0.141	**84.075398**	3.84	4.6	ug/L
|	Ni	62	6582.384	0.024	**89.345727**	1.90	2.1	ug/L
|	Cu	63	97983.886	0.361	**79.678565**	1.62	2.0	ug/L
|	Cu	65	49884.569	0.184	**79.122169**	2.94	3.7	ug/L
|	Zn	66	16742.075	0.060	**42.033824**	1.98	4.7	ug/L
|	Zn	67	6190.109	0.018	**55.000977**	5.88	10.7	ug/L
|	Zn	68	11946.512	0.043	**40.097268**	1.26	3.1	ug/L
|	V	51	166710.230	0.616	**85.322929**	1.87	2.2	ug/L
|	Cr	52	152525.701	0.550	**86.100475**	1.63	1.9	ug/L
|	Cr	53	59687.374	0.141	**111.981014**	2.71	2.4	ug/L
|	Mn	55	248109.802	0.916	**93.809338**	3.48	3.7	ug/L
|	Fe	54	13996450.135	51.665	**109083.635962**	2778.91	2.5	ug/L
⌊	Fe	57	5828618.001	21.532	**110229.776861**	2410.77	2.2	ug/L
⌈	As	75	18546.535	0.028	**36.092064**	0.38	1.0	ug/L
|	Se	77	6676.452	0.005	**83.539119**	5.59	6.7	ug/L
|	Se	82	1706.498	0.003	**37.608214**	0.27	0.7	ug/L
|	Sr	86	868.146	0.001	**1.368593**	0.03	2.5	ug/L
|	Sr	87	824.468	0.001	**1.809393**	0.20	11.2	ug/L
|	Sr	88	7863.400	0.011	**1.601493**	0.02	1.1	ug/L
|>	Y	89	678197.802	678197.802				ug/L
|	Mo	95	1611091.295	2.376	**2168.060696**	37.60	1.7	ug/L
|	Mo	97	1007980.936	1.486	**2169.522217**	45.71	2.1	ug/L
⌊	Mo	98	2682087.961	3.955	**2244.856097**	21.56	1.0	ug/L
⌈	Ag	107	43913.811	0.137	**20.324080**	0.29	1.4	ug/L

|	Ag	109	41454.975	0.129	**19.927381**	0.28	1.4	ug/L
|	Cd	111	20924.386	0.065	**42.777833**	0.26	0.6	ug/L
|	Cd	114	48546.329	0.151	**42.622948**	0.86	2.0	ug/L
|>	In	115	320419.359	320419.359				ug/L
|	Sn	120	506.384	0.001	**0.747953**	0.02	2.0	ug/L
|	Sb	121	2750.416	0.004	**1.494378**	0.01	0.8	ug/L
|	Sb	123	2121.311	0.003	**1.494382**	0.06	3.9	ug/L
⌈	Ba	135	1542.798	0.003	**3.397617**	0.25	7.4	ug/L
|	Ba	137	2722.408	0.006	**3.538812**	0.04	1.1	ug/L
|	Ce	140	1390.107	0.003	**1239.086758**	108.83	8.8	ug/L
|	Tb	159	461832.799	0.005				ug/L
|>	Ho	165	475347.918	475347.918				ug/L
|	Tl	203	154.668	0.000	**0.129988**	0.02	16.0	ug/L
|	Tl	205	333.339	0.000	**0.046600**	0.01	18.3	ug/L
⌊	Pb	208	1902.080	0.004	**0.157225**	0.01	4.7	ug/L
⌈>	Bi	209	210150.999	210150.999				mg/L
⌊	U	238	46.000	0.000	**0.652005**	0.00	0.1	ug/L
	Kr	83	77.867	33.934				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		104.461	
Ti	49			
Co	59			102.456
Ni	60			101.276
Ni	62			99.957
Cu	63			97.014
Cu	65			96.221
Zn	66			96.122
Zn	67			97.866
Zn	68			95.961
V	51			107.969
Cr	52			103.836
Cr	53			90.304
Mn	55			101.889
Fe	54			
Fe	57			
As	75			91.246
Se	77			77.700
Se	82			95.713
Sr	86			
Sr	87			
Sr	88			
Y	89		106.538	
Mo	95			

Mo	97		
Mo	98		
Ag	107		100.323
Ag	109		97.944
Cd	111		97.377
Cd	114		97.465
In	115	100.121	
Sn	120		
Sb	121		
Sb	123		
Ba	135		
Ba	137		
Ce	140		
Tb	159		
Ho	165	99.257	
Tl	203		
Tl	205		
Pb	208		
Bi	209	91.704	
U	238		
Kr	83		

Quantitative Analysis - Summary Report

Sample ID: L0023792-01A
Sample Date/Time: Monday, January 07, 2013 16:31:07
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\L0023792-01A.013
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	14471.191	-0.003				ug/L
|	Li	7	6573.043	0.020	**16.710086**	0.69	4.1	ug/L
|	Be	9	24.000	0.000	**0.185164**	0.06	30.1	ug/L
|	B	11	10474.042	0.038	**96.704375**	1.89	2.0	ug/L
|	Na	23	25069295.872	92.971	**48138.296858**	3171.06	6.6	ug/L
|	Mg	24	1150773.987	4.264	**3178.734064**	195.36	6.1	ug/L
|	Al	27	12768.962	0.045	**18.653883**	0.79	4.2	ug/L
|	Si	28	13555863.074	49.922	**-27199290.773603**	503646.10	1.9	ug/L
|	K	39	661919.569	2.296	**980.648038**	71.00	7.2	ug/L
|	Ca	43	23142.779	0.085	**7273.767116**	221.88	3.1	ug/L
|>	Sc	45	270264.799	270264.799				ug/L
|	Ti	49	934.048	0.002	**3.408819**	0.41	12.0	ug/L
|	Co	59	428.010	0.001	**0.292992**	0.02	5.7	ug/L
|	Ni	60	356.674	0.001	**0.448631**	0.07	15.1	ug/L
|	Ni	62	96.001	0.000	**0.692321**	0.40	58.3	ug/L
|	Cu	63	1835.519	0.006	**1.156796**	0.08	7.0	ug/L
|	Cu	65	702.694	0.002	**0.946221**	0.04	3.9	ug/L
|	Zn	66	2277.619	0.006	**4.365862**	0.35	7.9	ug/L
|	Zn	67	3960.865	0.010	**20.267251**	7.26	35.8	ug/L
|	Zn	68	2196.266	0.007	**6.104852**	0.43	7.1	ug/L
|	V	51	1050.863	0.005	**1.627753**	0.71	43.8	ug/L
|	Cr	52	5887.241	0.008	**1.138577**	0.28	24.3	ug/L
|	Cr	53	48994.978	0.103	**65.566929**	30.82	47.0	ug/L
|	Mn	55	83031.716	0.306	**31.618150**	0.19	0.6	ug/L
|	Fe	54	24317.467	0.047	**96.103726**	5.20	5.4	ug/L
⌊	Fe	57	3922.181	0.010	**41.149483**	0.77	1.9	ug/L
⌜	As	75	-5.013	0.001	**0.495996**	0.39	78.3	ug/L
|	Se	77	5989.976	0.005	**72.068668**	12.83	17.8	ug/L
|	Se	82	2.368	0.000	**-0.095217**	0.15	160.3	ug/L
|	Sr	86	33084.201	0.051	**52.430073**	0.62	1.2	ug/L
|	Sr	87	24350.478	0.038	**52.550858**	1.28	2.4	ug/L
|	Sr	88	285043.270	0.439	**52.861322**	0.73	1.4	ug/L
|>	Y	89	648180.110	648180.110				ug/L
|	Mo	95	9251.373	0.014	**13.159797**	0.21	1.6	ug/L
|	Mo	97	5753.155	0.009	**13.021923**	0.42	3.2	ug/L
⌊	Mo	98	14781.014	0.023	**13.336762**	0.35	2.6	ug/L
⌜	Ag	107	47.333	0.000	**0.198864**	0.00	1.8	ug/L

|	Ag	109	38.667	0.000	**0.290867**	0.01	2.1	ug/L
|	Cd	111	27.000	0.000	**0.653748**	0.01	0.9	ug/L
|	Cd	114	45.679	0.000	**0.988286**	0.01	1.4	ug/L
|>	In	115	311099.919	311099.919				ug/L
|	Sn	120	707.799	0.002	**0.852465**	0.03	3.0	ug/L
|	Sb	121	1538.130	0.000	**0.846357**	0.02	2.0	ug/L
|	Sb	123	1199.147	0.000	**0.849704**	0.05	6.0	ug/L
⌈	Ba	135	21945.800	0.046	**48.374198**	1.51	3.1	ug/L
|	Ba	137	38199.427	0.080	**48.020598**	0.56	1.2	ug/L
|	Ce	140	185.335	0.000	**158.040987**	43.31	27.4	ug/L
|	Tb	159	454818.429	-0.008				ug/L
|>	Ho	165	474642.674	474642.674				ug/L
|	Tl	203	32.667	-0.000	**0.056125**	0.00	4.5	ug/L
|	Tl	205	99.334	0.000	**-0.013070**	0.01	47.1	ug/L
⌊	Pb	208	3224.231	0.006	**0.405943**	0.04	10.3	ug/L
⌈>	Bi	209	222464.061	222464.061				mg/L
⌊	U	238	822.704	0.004	**0.763218**	0.00	0.5	ug/L
	Kr	83	46.600	2.667				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		104.286	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		101.822	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	97.208
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	99.110
Tl	203	
Tl	205	
Pb	208	
Bi	209	97.077
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-02A
Sample Date/Time: Monday, January 07, 2013 16:34:03
Sample Type: Sample
Sample Description: 25
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\L0023792-02A.014
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 0.4000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	14271.880	-0.000				ug/L
|	Li	7	3505.343	0.010	**201.735985**	3.50	1.7	ug/L
|	Be	9	92.667	0.000	**29.727158**	3.95	13.3	ug/L
|	B	11	1427.445	0.004	**327.735906**	0.17	0.1	ug/L
|	Na	23	5972431.499	23.590	**305454.776335**	8239.72	2.7	ug/L
|	Mg	24	1055165.774	4.171	**77731.478767**	4556.60	5.9	ug/L
|	Al	27	7736865.831	30.588	**199396.830843**	1473.78	0.7	ug/L
|	Si	28	796611.825	2.903	**-40148039.270343**	709931.58	1.8	ug/L
|	K	39	207270.527	0.660	**7126.049847**	394.05	5.5	ug/L
|	Ca	43	10571.477	0.041	**87079.752925**	540.58	0.6	ug/L
|>	Sc	45	252942.845	252942.845				ug/L
|	Ti	49	633.355	0.001	**30.258530**	8.08	26.7	ug/L
|	Co	59	14168.378	0.056	**183.625965**	4.06	2.2	ug/L
|	Ni	60	3914.844	0.015	**222.350038**	10.44	4.7	ug/L
|	Ni	62	676.025	0.002	**232.211813**	20.36	8.8	ug/L
|	Cu	63	322.006	0.000	**-1.644964**	0.80	48.5	ug/L
|	Cu	65	165.335	0.000	**2.718702**	0.58	21.2	ug/L
|	Zn	66	5261.522	0.019	**327.102662**	10.26	3.1	ug/L
|	Zn	67	4138.275	0.012	**681.540421**	4.17	0.6	ug/L
|	Zn	68	4082.250	0.015	**341.710402**	10.99	3.2	ug/L
|	V	51	4844.754	0.020	**92.384737**	13.70	14.8	ug/L
|	Cr	52	9557.690	0.024	**90.961539**	1.94	2.1	ug/L
|	Cr	53	44987.759	0.098	**1504.938236**	52.62	3.5	ug/L
|	Mn	55	524920.156	2.074	**5299.164019**	59.66	1.1	ug/L
|	Fe	54	1083074.129	4.238	**223640.204428**	2647.66	1.2	ug/L
⌊	Fe	57	436833.941	1.722	**220222.223884**	600.70	0.3	ug/L
⌈	As	75	104.358	0.001	**17.522257**	10.83	61.8	ug/L
|	Se	77	4576.486	0.002	**395.464633**	158.03	40.0	ug/L
|	Se	82	9.241	0.000	**1.088974**	2.92	268.1	ug/L
|	Sr	86	20305.033	0.028	**722.869202**	18.03	2.5	ug/L
|	Sr	87	15477.504	0.021	**750.815296**	22.86	3.0	ug/L
|	Sr	88	171229.111	0.237	**715.154335**	15.01	2.1	ug/L
|>	Y	89	721988.378	721988.378				ug/L
|	Mo	95	67.334	0.000	**5.457155**	0.19	3.4	ug/L
|	Mo	97	51.333	0.000	**4.295130**	0.36	8.4	ug/L
⌊	Mo	98	100.548	0.000	**11.827438**	0.28	2.4	ug/L
⌈	Ag	107	33.333	0.000	**4.813582**	0.10	2.0	ug/L

|	Ag	109	22.667	-0.000	**7.085373**	0.08	1.1	ug/L
|	Cd	111	24.333	0.000	**16.233897**	0.13	0.8	ug/L
|	Cd	114	71.451	0.000	**25.306459**	0.34	1.3	ug/L
|>	In	115	303983.172	303983.172				ug/L
|	Sn	120	171.798	-0.000	**14.877745**	0.35	2.4	ug/L
|	Sb	121	1307.427	-0.000	**18.290395**	0.52	2.8	ug/L
L	Sb	123	1036.045	-0.000	**18.643131**	0.55	3.0	ug/L
⌈	Ba	135	354.674	0.001	**19.811264**	2.37	11.9	ug/L
|	Ba	137	668.025	0.001	**24.431244**	0.75	3.1	ug/L
|	Ce	140	326079.754	0.695	**7399885.213225**	59717.40	0.8	ug/L
|	Tb	159	449513.436	-0.008				ug/L
|>	Ho	165	469289.606	469289.606				ug/L
|	Tl	203	50.667	0.000	**1.683026**	0.18	10.6	ug/L
|	Tl	205	102.001	0.000	**-0.300219**	0.24	79.5	ug/L
L	Pb	208	299.335	0.000	**-3.567026**	0.10	2.9	ug/L
⌈>	Bi	209	222574.122	222574.122				mg/L
L	U	238	48.667	0.000	**16.299973**	0.05	0.3	ug/L
	Kr	83	54.333	10.400				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		97.602	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		113.417	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	94.985
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	97.992
Tl	203	
Tl	205	
Pb	208	
Bi	209	97.125
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-03A
Sample Date/Time: Monday, January 07, 2013 16:36:59
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\L0023792-03A.015
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	15272.198	-0.002				ug/L
|	Li	7	9474.268	0.030	**24.845060**	0.28	1.1	ug/L
|	Be	9	20.000	-0.000	**0.123886**	0.09	73.1	ug/L
|	B	11	4939.343	0.017	**43.886972**	1.18	2.7	ug/L
|	Na	23	26932029.931	97.301	**50379.627463**	3333.72	6.6	ug/L
|	Mg	24	1920557.101	6.934	**5165.201612**	226.22	4.4	ug/L
|	Al	27	210664.518	0.759	**204.591421**	5.13	2.5	ug/L
|	Si	28	11965554.167	42.978	**-23419653.026925**	234343.57	1.0	ug/L
|	K	39	495984.968	1.631	**698.121281**	17.14	2.5	ug/L
|	Ca	43	41619.064	0.149	**12853.656473**	85.69	0.7	ug/L
|>	Sc	45	276803.172	276803.172				ug/L
|	Ti	49	1422.778	0.003	**7.249618**	0.47	6.5	ug/L
|	Co	59	3011.165	0.011	**1.497188**	0.01	1.0	ug/L
|	Ni	60	554.684	0.002	**0.858052**	0.11	12.5	ug/L
|	Ni	62	121.334	0.000	**1.015414**	0.31	30.1	ug/L
|	Cu	63	1627.479	0.005	**0.952638**	0.04	4.7	ug/L
|	Cu	65	554.684	0.002	**0.689374**	0.08	10.9	ug/L
|	Zn	66	8235.729	0.028	**19.391128**	0.33	1.7	ug/L
|	Zn	67	6194.110	0.018	**52.878718**	3.13	5.9	ug/L
|	Zn	68	7290.923	0.025	**23.292125**	0.09	0.4	ug/L
|	V	51	876.836	0.003	**1.484876**	1.53	102.8	ug/L
|	Cr	52	6977.344	0.011	**1.667050**	0.15	8.9	ug/L
|	Cr	53	59772.931	0.137	**106.685337**	18.85	17.7	ug/L
|	Mn	55	52267.179	0.188	**19.544133**	0.12	0.6	ug/L
|	Fe	54	46844.464	0.126	**263.407787**	7.64	2.9	ug/L
⌊	Fe	57	12961.235	0.042	**206.564094**	2.78	1.3	ug/L
⌈	As	75	-434.547	0.000	**-0.340284**	0.76	223.0	ug/L
|	Se	77	7248.224	0.006	**99.676903**	12.13	12.2	ug/L
|	Se	82	19.095	0.000	**0.276264**	0.19	70.2	ug/L
|	Sr	86	60296.385	0.089	**91.137113**	2.54	2.8	ug/L
|	Sr	87	43415.608	0.064	**89.339734**	2.09	2.3	ug/L
|	Sr	88	511368.685	0.752	**90.325457**	1.91	2.1	ug/L
|>	Y	89	679521.833	679521.833				ug/L
|	Mo	95	1056.728	0.002	**1.552556**	0.03	2.1	ug/L
|	Mo	97	628.688	0.001	**1.419934**	0.11	7.6	ug/L
⌊	Mo	98	1613.732	0.002	**1.741903**	0.01	0.4	ug/L
⌈	Ag	107	30.000	-0.000	**0.190403**	0.00	1.3	ug/L

|	Ag	109	24.667	-0.000	**0.283938**	0.01	1.8	ug/L
|	Cd	111	33.167	0.000	**0.665740**	0.01	1.0	ug/L
|	Cd	114	68.497	0.000	**1.007490**	0.00	0.5	ug/L
|>	In	115	314593.437	314593.437				ug/L
|	Sn	120	347.795	0.000	**0.676559**	0.02	2.4	ug/L
|	Sb	121	1464.118	0.000	**0.795081**	0.04	4.6	ug/L
_	Sb	123	1215.984	0.000	**0.852345**	0.04	4.9	ug/L
⌈	Ba	135	65842.928	0.136	**142.153138**	1.39	1.0	ug/L
|	Ba	137	115848.944	0.239	**142.411325**	2.75	1.9	ug/L
|	Ce	140	7034.721	0.014	**6177.267347**	129.12	2.1	ug/L
|	Tb	159	463188.994	-0.010				ug/L
|>	Ho	165	484550.015	484550.015				ug/L
|	Tl	203	43.333	-0.000	**0.062063**	0.00	4.6	ug/L
|	Tl	205	93.334	-0.000	**-0.015122**	0.00	9.1	ug/L
_	Pb	208	6596.953	0.013	**1.013936**	0.02	2.2	ug/L
⌈>	Bi	209	228188.032	228188.032				mg/L
_	U	238	794.035	0.003	**0.756259**	0.00	0.3	ug/L
	Kr	83	47.467	3.533				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		106.809	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		106.746	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	98.300
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	101.178
Tl	203	
Tl	205	
Pb	208	
Bi	209	99.575
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-04A
Sample Date/Time: Monday, January 07, 2013 16:39:55
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\L0023792-04A.016
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	15199.571	0.001				ug/L
|	Li	7	4020.890	0.011	**9.200362**	0.19	2.0	ug/L
|	Be	9	15.333	-0.000	**0.073349**	0.01	16.1	ug/L
|	B	11	8652.787	0.032	**81.588536**	1.79	2.2	ug/L
|	Na	23	32791880.824	124.341	**64379.310432**	5532.90	8.6	ug/L
|	Mg	24	89641.374	0.336	**256.144422**	19.87	7.8	ug/L
|	Al	27	7341.298	0.026	**13.565006**	0.34	2.5	ug/L
|	Si	28	8089860.532	30.403	**-16574665.197324**	259138.48	1.6	ug/L
|	K	39	364466.799	1.221	**523.691238**	17.59	3.4	ug/L
|	Ca	43	4551.808	0.016	**1363.684412**	43.09	3.2	ug/L
| >	Sc	45	263921.187	263921.187				ug/L
|	Ti	49	1446.115	0.004	**8.024402**	0.46	5.8	ug/L
|	Co	59	202.669	0.001	**0.186645**	0.01	6.5	ug/L
|	Ni	60	581.352	0.002	**0.976462**	0.06	5.9	ug/L
|	Ni	62	144.001	0.000	**1.408546**	0.48	33.7	ug/L
|	Cu	63	2501.678	0.008	**1.747646**	0.04	2.1	ug/L
|	Cu	65	877.376	0.003	**1.255482**	0.18	14.4	ug/L
|	Zn	66	2284.287	0.007	**4.516502**	0.16	3.5	ug/L
|	Zn	67	5077.420	0.015	**39.459531**	2.89	7.3	ug/L
|	Zn	68	1936.207	0.006	**5.350230**	0.48	8.9	ug/L
|	V	51	-4268.708	-0.016	**-1.157056**	1.19	103.2	ug/L
|	Cr	52	8343.164	0.018	**2.669383**	0.13	4.7	ug/L
|	Cr	53	65972.809	0.170	**147.720100**	7.53	5.1	ug/L
|	Mn	55	49282.045	0.186	**19.324127**	0.44	2.3	ug/L
|	Fe	54	26082.584	0.056	**114.745160**	9.64	8.4	ug/L
⌊	Fe	57	4209.642	0.011	**48.485742**	1.16	2.4	ug/L
⌈	As	75	-751.361	-0.000	**-0.972366**	0.52	53.7	ug/L
|	Se	77	8301.135	0.008	**138.648141**	22.38	16.1	ug/L
|	Se	82	-0.963	-0.000	**-0.167516**	0.24	140.6	ug/L
|	Sr	86	7690.885	0.012	**12.106090**	0.12	1.0	ug/L
|	Sr	87	5649.449	0.009	**12.157672**	0.30	2.5	ug/L
|	Sr	88	65031.354	0.099	**12.103911**	0.41	3.4	ug/L
| >	Y	89	654897.093	654897.093				ug/L
|	Mo	95	1080.064	0.002	**1.638926**	0.09	5.2	ug/L
|	Mo	97	668.691	0.001	**1.560558**	0.10	6.3	ug/L
⌊	Mo	98	1690.559	0.003	**1.858595**	0.02	1.0	ug/L
⌈	Ag	107	46.667	0.000	**0.198537**	0.00	1.0	ug/L

|	Ag	109	56.667	0.000	**0.299701**	0.00	1.0	ug/L
|	Cd	111	20.000	0.000	**0.638995**	0.01	1.2	ug/L
|	Cd	114	41.552	0.000	**0.984079**	0.01	1.2	ug/L
|>	In	115	311057.945	311057.945				ug/L
|	Sn	120	415.848	0.001	**0.711533**	0.02	2.5	ug/L
|	Sb	121	1392.773	-0.000	**0.763005**	0.00	0.5	ug/L
|	Sb	123	1057.134	-0.000	**0.745025**	0.07	9.4	ug/L
|	Ba	135	5961.956	0.012	**13.073711**	0.41	3.2	ug/L
|	Ba	137	10793.738	0.023	**13.596444**	0.38	2.8	ug/L
|	Ce	140	13001.300	0.027	**11597.547496**	208.22	1.8	ug/L
|	Tb	159	457893.273	-0.007				ug/L
|>	Ho	165	477165.364	477165.364				ug/L
|	Tl	203	37.333	-0.000	**0.058877**	0.00	6.9	ug/L
|	Tl	205	75.334	-0.000	**-0.019345**	0.00	16.0	ug/L
|	Pb	208	3420.253	0.007	**0.439861**	0.03	6.0	ug/L
|>	Bi	209	223864.346	223864.346				mg/L
|	U	238	902.045	0.004	**0.773836**	0.00	0.6	ug/L
	Kr	83	46.333	2.400				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		101.838	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		102.877	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	97.195
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	99.636
Tl	203	
Tl	205	
Pb	208	
Bi	209	97.688
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-05A
Sample Date/Time: Monday, January 07, 2013 16:42:51
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\L0023792-05A.017
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	15280.035	0.002				ug/L
|	Li	7	4434.415	0.013	**10.583048**	0.47	4.5	ug/L
|	Be	9	16.000	-0.000	**0.084255**	0.03	35.5	ug/L
|	B	11	6977.344	0.025	**66.044428**	2.67	4.0	ug/L
|	Na	23	36362121.103	138.557	**71738.868228**	2519.89	3.5	ug/L
|	Mg	24	51345.083	0.192	**148.915203**	7.48	5.0	ug/L
|	Al	27	7880.083	0.028	**14.141801**	0.18	1.3	ug/L
|	Si	28	9173665.653	34.735	**-18932558.862866**	69888.85	0.4	ug/L
|	K	39	175142.575	0.507	**220.159989**	11.58	5.3	ug/L
|	Ca	43	2269.617	0.008	**622.877584**	34.34	5.5	ug/L
| >	Sc	45	262265.597	262265.597				ug/L
|	Ti	49	1072.063	0.002	**4.840435**	0.04	0.8	ug/L
|	Co	59	90.667	0.000	**0.131928**	0.01	4.7	ug/L
|	Ni	60	360.007	0.001	**0.482223**	0.05	10.3	ug/L
|	Ni	62	90.667	0.000	**0.674756**	0.34	50.8	ug/L
|	Cu	63	8421.232	0.031	**6.753161**	0.19	2.7	ug/L
|	Cu	65	3914.176	0.014	**6.248021**	0.05	0.8	ug/L
|	Zn	66	7042.728	0.025	**17.355660**	0.82	4.7	ug/L
|	Zn	67	6148.748	0.019	**57.484711**	6.57	11.4	ug/L
|	Zn	68	5555.030	0.020	**18.435516**	0.76	4.1	ug/L
|	V	51	-5653.078	-0.021	**-1.887985**	0.96	50.8	ug/L
|	Cr	52	7843.385	0.016	**2.406145**	0.24	10.2	ug/L
|	Cr	53	71046.658	0.192	**173.481247**	15.91	9.2	ug/L
|	Mn	55	9559.024	0.036	**4.003118**	0.14	3.5	ug/L
|	Fe	54	21053.502	0.037	**75.634426**	9.46	12.5	ug/L
⌊	Fe	57	1774.173	0.002	**1.488753**	2.02	135.4	ug/L
⌈	As	75	-724.567	-0.000	**-0.946182**	0.52	54.4	ug/L
|	Se	77	9575.043	0.010	**179.340759**	6.52	3.6	ug/L
|	Se	82	1.590	0.000	**-0.112058**	0.04	34.0	ug/L
|	Sr	86	8836.409	0.014	**14.072521**	0.18	1.3	ug/L
|	Sr	87	6605.484	0.010	**14.367657**	0.26	1.8	ug/L
|	Sr	88	76176.562	0.117	**14.309545**	0.15	1.0	ug/L
| >	Y	89	646856.974	646856.974				ug/L
|	Mo	95	1260.087	0.002	**1.910876**	0.10	5.1	ug/L
|	Mo	97	790.034	0.001	**1.851606**	0.13	7.1	ug/L
⌊	Mo	98	1982.390	0.003	**2.133370**	0.03	1.3	ug/L
⌈	Ag	107	88.000	0.000	**0.218376**	0.00	0.4	ug/L

|	Ag	109	74.667	0.000	**0.308907**	0.00	1.0	ug/L
|	Cd	111	19.167	0.000	**0.637801**	0.00	0.4	ug/L
|	Cd	114	50.413	0.000	**0.992520**	0.01	0.6	ug/L
|>	In	115	308299.019	308299.019				ug/L
|	Sn	120	763.820	0.002	**0.882970**	0.01	1.2	ug/L
|	Sb	121	1504.125	0.000	**0.834608**	0.03	3.6	ug/L
L	Sb	123	1147.308	0.000	**0.818792**	0.06	6.8	ug/L
⌈	Ba	135	5678.441	0.012	**12.555418**	0.11	0.9	ug/L
|	Ba	137	9714.524	0.020	**12.350805**	0.29	2.3	ug/L
|	Ce	140	1452.116	0.003	**1298.744535**	50.13	3.9	ug/L
|	Tb	159	458163.078	0.002				ug/L
|>	Ho	165	473224.406	473224.406				ug/L
|	Tl	203	39.333	-0.000	**0.060286**	0.01	11.5	ug/L
|	Tl	205	76.000	-0.000	**-0.019022**	0.00	6.4	ug/L
L	Pb	208	33123.741	0.070	**6.043642**	0.13	2.2	ug/L
⌈>	Bi	209	219325.717	219325.717				mg/L
L	U	238	145.335	0.001	**0.666194**	0.00	0.5	ug/L
	Kr	83	43.800	-0.133				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		101.199	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		101.614	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	96.333
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	98.813
Tl	203	
Tl	205	
Pb	208	
Bi	209	95.708
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-06A
Sample Date/Time: Monday, January 07, 2013 16:45:47
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\L0023792-06A.018
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	15190.171	0.001				ug/L
|	Li	7	4622.509	0.013	**11.143640**	0.60	5.4	ug/L
|	Be	9	17.333	-0.000	**0.101223**	0.04	36.3	ug/L
|	B	11	8927.737	0.033	**84.430024**	4.26	5.0	ug/L
|	Na	23	34589936.616	131.426	**68047.095748**	3486.46	5.1	ug/L
|	Mg	24	86207.286	0.324	**247.209436**	3.46	1.4	ug/L
|	Al	27	6529.026	0.022	**12.773955**	0.45	3.6	ug/L
|	Si	28	7586249.520	28.576	**-15580136.983292**	749045.16	4.8	ug/L
|	K	39	448276.710	1.543	**660.728927**	72.79	11.0	ug/L
|	Ca	43	4455.762	0.016	**1336.543509**	48.23	3.6	ug/L
|>	Sc	45	263015.630	263015.630				ug/L
|	Ti	49	1778.175	0.005	**10.956614**	1.00	9.1	ug/L
|	Co	59	386.675	0.001	**0.277565**	0.01	5.0	ug/L
|	Ni	60	1106.734	0.004	**2.169553**	0.11	5.1	ug/L
|	Ni	62	202.669	0.001	**2.244174**	0.33	14.8	ug/L
|	Cu	63	5047.407	0.018	**3.890784**	0.22	5.8	ug/L
|	Cu	65	2244.278	0.008	**3.499241**	0.22	6.2	ug/L
|	Zn	66	2448.330	0.007	**4.982196**	0.27	5.4	ug/L
|	Zn	67	5561.702	0.016	**47.632956**	1.91	4.0	ug/L
|	Zn	68	2073.573	0.006	**5.860816**	0.79	13.5	ug/L
|	V	51	-5094.538	-0.019	**-1.574858**	1.50	95.4	ug/L
|	Cr	52	8374.527	0.018	**2.706619**	0.13	4.8	ug/L
|	Cr	53	72765.487	0.197	**180.389890**	6.35	3.5	ug/L
|	Mn	55	61795.680	0.234	**24.256832**	1.08	4.4	ug/L
|	Fe	54	26811.163	0.059	**121.312854**	5.12	4.2	ug/L
⌊	Fe	57	4447.088	0.012	**53.532934**	5.51	10.3	ug/L
⌜	As	75	-91.756	0.001	**0.318406**	1.44	453.0	ug/L
|	Se	77	9652.456	0.010	**182.010307**	3.64	2.0	ug/L
|	Se	82	2.481	0.000	**-0.090919**	0.22	241.3	ug/L
|	Sr	86	8570.599	0.013	**13.664075**	0.38	2.8	ug/L
|	Sr	87	6421.498	0.010	**13.983623**	0.54	3.9	ug/L
|	Sr	88	74701.541	0.115	**14.050609**	0.65	4.6	ug/L
|>	Y	89	646115.817	646115.817				ug/L
|	Mo	95	1162.741	0.002	**1.775071**	0.10	5.5	ug/L
|	Mo	97	722.029	0.001	**1.698626**	0.17	10.0	ug/L
⌊	Mo	98	1869.408	0.003	**2.035355**	0.17	8.3	ug/L
⌜	Ag	107	40.000	0.000	**0.195555**	0.01	3.6	ug/L

|	Ag	109	23.333	-0.000	**0.283667**	0.00	1.5	ug/L
|	Cd	111	20.167	0.000	**0.640000**	0.02	2.4	ug/L
|	Cd	114	40.951	0.000	**0.984375**	0.01	1.0	ug/L
|>	In	115	306727.511	306727.511				ug/L
|	Sn	120	359.820	0.001	**0.686576**	0.01	1.0	ug/L
|	Sb	121	1382.105	0.000	**0.767922**	0.04	5.0	ug/L
|	Sb	123	1098.887	-0.000	**0.786309**	0.02	3.0	ug/L
|	Ba	135	7295.606	0.015	**16.132101**	1.01	6.3	ug/L
|	Ba	137	12557.364	0.026	**15.928856**	0.93	5.8	ug/L
|	Ce	140	39906.949	0.084	**35941.309215**	1660.41	4.6	ug/L
|	Tb	159	460594.550	0.008				ug/L
|>	Ho	165	472720.316	472720.316				ug/L
|	Tl	203	39.333	-0.000	**0.060263**	0.00	5.3	ug/L
|	Tl	205	74.000	-0.000	**-0.019506**	0.00	16.7	ug/L
|	Pb	208	8128.765	0.017	**1.332717**	0.07	5.3	ug/L
|>	Bi	209	222573.420	222573.420				mg/L
|	U	238	2700.402	0.012	**1.032712**	0.02	1.5	ug/L
	Kr	83	49.267	5.333				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		101.489	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		101.498	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	95.842
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	98.708
Tl	203	
Tl	205	
Pb	208	
Bi	209	97.125
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-12A
Sample Date/Time: Monday, January 07, 2013 16:48:43
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\L0023792-12A.019
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	14179.096	0.000				ug/L
|	Li	7	10624.873	0.038	**31.700054**	0.68	2.1	ug/L
|	Be	9	24.667	0.000	**0.220350**	0.04	16.3	ug/L
|	B	11	9195.988	0.036	**91.806656**	3.61	3.9	ug/L
|	Na	23	49634101.270	198.735	**102894.826996**	1472.43	1.4	ug/L
|	Mg	24	4535503.885	18.163	**13519.391956**	814.71	6.0	ug/L
|	Al	27	5329.895	0.019	**11.876880**	0.16	1.4	ug/L
|	Si	28	10721350.919	42.702	**-23269345.596506**	1198517.07	5.2	ug/L
|	K	39	1084145.282	4.186	**1784.685190**	117.99	6.6	ug/L
|	Ca	43	67233.530	0.268	**23128.468322**	1585.70	6.9	ug/L
| >	Sc	45	249770.988	249770.988				ug/L
|	Ti	49	914.713	0.002	**3.875322**	0.45	11.6	ug/L
|	Co	59	1024.058	0.004	**0.619338**	0.05	8.4	ug/L
|	Ni	60	476.679	0.002	**0.801031**	0.12	14.8	ug/L
|	Ni	62	97.334	0.000	**0.841128**	0.32	38.3	ug/L
|	Cu	63	2090.240	0.007	**1.504091**	0.10	6.8	ug/L
|	Cu	65	572.018	0.002	**0.813807**	0.06	7.0	ug/L
|	Zn	66	1892.197	0.005	**3.759908**	0.17	4.6	ug/L
|	Zn	67	5413.614	0.017	**49.989763**	7.09	14.2	ug/L
|	Zn	68	2992.494	0.011	**9.751482**	0.84	8.7	ug/L
|	V	51	-4933.288	-0.019	**-1.617930**	0.80	49.4	ug/L
|	Cr	52	7172.829	0.015	**2.219502**	0.16	7.3	ug/L
|	Cr	53	69313.960	0.198	**181.491109**	12.74	7.0	ug/L
|	Mn	55	439355.094	1.759	**179.755519**	6.09	3.4	ug/L
|	Fe	54	23218.347	0.050	**102.354825**	4.82	4.7	ug/L
⌊	Fe	57	4580.488	0.014	**60.774319**	4.34	7.1	ug/L
⌜	As	75	-767.880	-0.000	**-1.144383**	0.58	50.3	ug/L
|	Se	77	9332.790	0.011	**188.685175**	11.35	6.0	ug/L
|	Se	82	9.274	0.000	**0.072817**	0.20	270.2	ug/L
|	Sr	86	113974.289	0.187	**191.777298**	12.98	6.8	ug/L
|	Sr	87	83013.454	0.136	**190.034012**	10.76	5.7	ug/L
|	Sr	88	958873.653	1.571	**188.354001**	11.61	6.2	ug/L
| >	Y	89	611270.351	611270.351				ug/L
|	Mo	95	3916.178	0.006	**5.984788**	0.27	4.5	ug/L
|	Mo	97	2418.322	0.004	**5.855969**	0.47	8.1	ug/L
⌊	Mo	98	6157.222	0.010	**6.119370**	0.43	7.0	ug/L
⌜	Ag	107	28.667	-0.000	**0.191082**	0.01	3.0	ug/L

|	Ag	109	31.333	0.000	**0.288521**	0.00	0.7	ug/L
|	Cd	111	22.667	0.000	**0.648439**	0.00	0.7	ug/L
|	Cd	114	47.692	0.000	**0.992942**	0.01	1.4	ug/L
|>	In	115	288565.823	288565.823				ug/L
|	Sn	120	459.757	0.001	**0.750697**	0.03	3.8	ug/L
|	Sb	121	1339.432	0.000	**0.791522**	0.03	3.5	ug/L
|	Sb	123	1061.545	0.000	**0.809522**	0.06	7.2	ug/L
⌈	Ba	135	95368.350	0.218	**228.427764**	7.28	3.2	ug/L
|	Ba	137	168833.481	0.387	**230.254199**	10.61	4.6	ug/L
|	Ce	140	141.335	0.000	**129.183740**	58.88	45.6	ug/L
|	Tb	159	428642.678	0.015				ug/L
|>	Ho	165	437032.809	437032.809				ug/L
|	Tl	203	43.333	-0.000	**0.064833**	0.00	5.8	ug/L
|	Tl	205	72.000	-0.000	**-0.018586**	0.00	17.8	ug/L
⌊	Pb	208	608.675	0.001	**-0.075321**	0.00	5.9	ug/L
⌈>	Bi	209	206866.298	206866.298				mg/L
⌊	U	238	1970.880	0.009	**0.949660**	0.01	0.8	ug/L
	Kr	83	50.200	6.267				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		96.378	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		96.024	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	90.167
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	91.256
Tl	203	
Tl	205	
Pb	208	
Bi	209	90.271
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-15A
Sample Date/Time: Monday, January 07, 2013 16:51:39
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\L0023792-15A.020
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	13662.197	0.002				ug/L
|	Li	7	1770.173	0.003	**2.899549**	0.22	7.7	ug/L
|	Be	9	22.000	0.000	**0.203010**	0.12	58.2	ug/L
|	B	11	10516.749	0.044	**112.610652**	4.37	3.9	ug/L
|	Na	23	30437591.944	130.464	**67549.199850**	4597.59	6.8	ug/L
|	Mg	24	65534.340	0.275	**211.157312**	91.16	43.2	ug/L
|	Al	27	314314.155	1.344	**357.174619**	11.74	3.3	ug/L
|	Si	28	7520337.645	31.979	**-17432627.821807**	464445.08	2.7	ug/L
|	K	39	326043.847	1.237	**530.415622**	9.15	1.7	ug/L
|	Ca	43	16132.976	0.068	**5839.987952**	47.26	0.8	ug/L
| >	Sc	45	233439.150	233439.150				ug/L
|	Ti	49	2725.075	0.010	**22.243382**	1.30	5.8	ug/L
|	Co	59	672.025	0.003	**0.459727**	0.04	8.4	ug/L
|	Ni	60	621.355	0.003	**1.248239**	0.20	16.2	ug/L
|	Ni	62	140.001	0.000	**1.610875**	0.49	30.4	ug/L
|	Cu	63	26112.115	0.111	**24.383426**	0.49	2.0	ug/L
|	Cu	65	13023.992	0.055	**23.838774**	0.89	3.7	ug/L
|	Zn	66	2129.583	0.007	**4.849682**	0.16	3.3	ug/L
|	Zn	67	5154.795	0.017	**51.611157**	2.88	5.6	ug/L
|	Zn	68	1724.164	0.006	**5.406983**	0.31	5.7	ug/L
|	V	51	3814.026	0.017	**3.297904**	1.09	33.1	ug/L
|	Cr	52	8495.304	0.023	**3.423642**	0.30	8.8	ug/L
|	Cr	53	68308.431	0.213	**199.782569**	14.88	7.4	ug/L
|	Mn	55	14592.221	0.061	**6.642243**	1.53	23.1	ug/L
|	Fe	54	40454.450	0.130	**272.075998**	14.11	5.2	ug/L
⌊	Fe	57	10512.077	0.040	**197.481644**	9.47	4.8	ug/L
⌈	As	75	1359.985	0.003	**3.488563**	0.63	18.1	ug/L
|	Se	77	9045.164	0.011	**187.120295**	4.57	2.4	ug/L
|	Se	82	11.152	0.000	**0.131503**	0.07	54.2	ug/L
|	Sr	86	13290.490	0.022	**22.958454**	1.73	7.6	ug/L
|	Sr	87	10037.169	0.017	**23.652678**	1.18	5.0	ug/L
|	Sr	88	114880.330	0.192	**23.314247**	1.06	4.6	ug/L
| >	Y	89	595052.419	595052.419				ug/L
|	Mo	95	1937.540	0.003	**3.104636**	0.02	0.5	ug/L
|	Mo	97	1202.746	0.002	**3.018244**	0.06	2.1	ug/L
⌊	Mo	98	3137.912	0.005	**3.387500**	0.07	2.0	ug/L
⌈	Ag	107	121.334	0.000	**0.242481**	0.00	1.5	ug/L

|	Ag	109	116.001	0.000	**0.337462**	0.01	1.9	ug/L
|	Cd	111	80.667	0.000	**0.790926**	0.02	2.9	ug/L
|	Cd	114	176.536	0.001	**1.127551**	0.01	0.5	ug/L
|>	In	115	269917.682	269917.682				ug/L
|	Sn	120	769.744	0.002	**0.939892**	0.03	3.6	ug/L
|	Sb	121	1812.847	0.002	**1.162027**	0.03	2.8	ug/L
|	Sb	123	1498.604	0.002	**1.246500**	0.07	5.4	ug/L
|	Ba	135	6393.604	0.015	**15.671547**	1.79	11.4	ug/L
|	Ba	137	11234.984	0.026	**15.798298**	1.43	9.1	ug/L
|	Ce	140	65892.654	0.154	**65809.893840**	441.13	0.7	ug/L
|	Tb	159	412530.593	0.001				ug/L
|>	Ho	165	426481.275	426481.275				ug/L
|	Tl	203	38.667	-0.000	**0.062345**	0.01	11.6	ug/L
|	Tl	205	82.000	-0.000	**-0.015201**	0.01	37.9	ug/L
|	Pb	208	28442.286	0.066	**5.746834**	0.16	2.7	ug/L
|>	Bi	209	200267.189	200267.189				mg/L
|	U	238	9208.663	0.046	**2.115843**	0.06	3.1	ug/L
	Kr	83	48.733	4.800				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		90.076	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		93.477	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	84.340
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	89.053
Tl	203	
Tl	205	
Pb	208	
Bi	209	87.391
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Monday, January 07, 2013 16:54:38
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\QC Std 4.021
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	12759.637	0.000				ug/L
|	Li	7	29778.702	0.129	**106.185010**	1.17	1.1	ug/L
|	Be	9	6622.413	0.030	**107.090903**	5.39	5.0	ug/L
|	B	11	8977.769	0.039	**100.031081**	1.36	1.4	ug/L
|	Na	23	2171572.778	9.676	**5014.320600**	179.54	3.6	ug/L
|	Mg	24	1416138.659	6.325	**4711.924366**	186.97	4.0	ug/L
|	Al	27	4376020.780	19.541	**5098.016808**	22.44	0.4	ug/L
|	Si	28	50883.056	-0.019	**-15566.166553**	30061.85	193.1	ug/L
|	K	39	2578079.160	11.359	**4834.886651**	143.94	3.0	ug/L
|	Ca	43	13638.228	0.060	**5133.273013**	123.69	2.4	ug/L
|>	Sc	45	223924.300	223924.300				ug/L
|	Ti	49	10210.398	0.044	**100.062104**	4.47	4.5	ug/L
|	Co	59	170377.988	0.761	**98.728112**	1.31	1.3	ug/L
|	Ni	60	37040.649	0.165	**98.356681**	1.45	1.5	ug/L
|	Ni	62	5919.260	0.026	**97.208597**	1.75	1.8	ug/L
|	Cu	63	99693.092	0.444	**98.111194**	3.23	3.3	ug/L
|	Cu	65	50878.066	0.227	**97.563516**	0.53	0.5	ug/L
|	Zn	66	31743.324	0.140	**98.380687**	2.79	2.8	ug/L
|	Zn	67	8617.419	0.034	**121.413877**	8.09	6.7	ug/L
|	Zn	68	24490.290	0.108	**101.660831**	1.37	1.3	ug/L
|	V	51	157839.667	0.705	**97.500351**	1.17	1.2	ug/L
|	Cr	52	144686.342	0.632	**99.094272**	2.00	2.0	ug/L
|	Cr	53	66042.418	0.216	**202.645599**	14.29	7.1	ug/L
|	Mn	55	217357.735	0.970	**99.328136**	2.65	2.7	ug/L
|	Fe	54	550095.824	2.414	**5093.849028**	65.31	1.3	ug/L
⌊	Fe	57	223951.848	0.996	**5088.715120**	80.86	1.6	ug/L
⌈	As	75	41256.650	0.076	**98.219408**	3.68	3.7	ug/L
|	Se	77	19480.186	0.031	**578.900878**	16.33	2.8	ug/L
|	Se	82	18193.090	0.033	**496.863812**	3.72	0.7	ug/L
|	Sr	86	52127.062	0.095	**97.428505**	1.28	1.3	ug/L
|	Sr	87	38712.483	0.070	**98.508251**	2.07	2.1	ug/L
|	Sr	88	453174.976	0.824	**98.976956**	1.71	1.7	ug/L
|>	Y	89	549268.138	549268.138				ug/L
|	Mo	95	59728.949	0.109	**99.369312**	1.99	2.0	ug/L
|	Mo	97	37190.594	0.068	**98.903390**	2.15	2.2	ug/L
⌊	Mo	98	96715.770	0.176	**100.342990**	3.60	3.6	ug/L
⌈	Ag	107	178465.595	0.679	**100.069297**	2.24	2.2	ug/L

|	Ag	109	171995.319	0.655	**99.774818**	2.95	3.0	ug/L
|	Cd	111	39737.839	0.151	**98.347496**	3.24	3.3	ug/L
|	Cd	114	91721.618	0.349	**96.984343**	0.42	0.4	ug/L
|>	In	115	262681.669	262681.669				ug/L
|	Sn	120	174341.233	0.663	**100.450862**	1.00	1.0	ug/L
|	Sb	121	145094.486	0.548	**98.336627**	0.53	0.5	ug/L
|	Sb	123	112100.870	0.423	**99.434451**	0.30	0.3	ug/L
|	Ba	135	38440.436	0.094	**98.666152**	0.17	0.2	ug/L
|	Ba	137	67681.709	0.166	**98.946078**	0.62	0.6	ug/L
|	Ce	140	194.669	0.000	**195.686172**	122.90	62.8	ug/L
|	Tb	159	391629.506	-0.005				ug/L
|>	Ho	165	407545.203	407545.203				ug/L
|	Tl	203	144158.087	0.354	**101.466106**	1.50	1.5	ug/L
|	Tl	205	345511.036	0.848	**102.943634**	1.64	1.6	ug/L
|	Pb	208	471829.788	1.157	**103.011258**	1.65	1.6	ug/L
|>	Bi	209	199254.092	199254.092				mg/L
|	U	238	618643.512	3.105	**99.917240**	1.45	1.4	ug/L
	Kr	83	51.200	7.267				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7	106.185		
Be	9	107.091		
B	11	100.031		
Na	23	100.286		
Mg	24	94.238		
Al	27	99.961		
Si	28	-311.323		
K	39	96.698		
Ca	43	102.665		
Sc	45		86.405	
Ti	49	100.062		
Co	59	98.728		
Ni	60	98.357		
Ni	62	97.209		
Cu	63	98.111		
Cu	65	97.564		
Zn	66	98.381		
Zn	67	121.414		
Zn	68	101.661		
V	51	97.500		
Cr	52	99.094		
Cr	53	202.646		
Mn	55	99.328		
Fe	54	101.877		
Fe	57	101.774		
As	75	98.219		
Se	77	115.780		
Se	82	99.373		
Sr	86	97.429		
Sr	87	98.508		
Sr	88	98.977		
Y	89		86.284	
Mo	95	99.369		

Mo	97	98.903	
Mo	98	100.343	
Ag	107	100.069	
Ag	109	99.775	
Cd	111	98.347	
Cd	114	96.984	
In	115		82.079
Sn	120	100.451	
Sb	121	98.337	
Sb	123	99.434	
Ba	135	98.666	
Ba	137	98.946	
Ce	140	195.686	
Tb	159		
Ho	165		85.099
Tl	203	101.466	
Tl	205	102.944	
Pb	208	103.011	
Bi	209		86.949
U	238	99.917	
Kr	83		

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Monday, January 07, 2013 16:57:45
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\QC Std 6.022
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	13536.880	0.004				ug/L
|	Li	7	991.388	0.000	**0.295684**	0.26	86.4	ug/L
|	Be	9	26.000	0.000	**0.282945**	0.06	20.4	ug/L
|	B	11	378.675	0.000	**3.124133**	0.29	9.2	ug/L
|	Na	23	6302.217	0.000	**5.135393**	2.25	43.8	ug/L
|	Mg	24	600.020	-0.001	**5.334259**	0.32	6.0	ug/L
|	Al	27	1328.431	0.004	**7.855471**	0.16	2.1	ug/L
|	Si	28	40417.653	-0.066	**10298.292722**	1634.54	15.9	ug/L
|	K	39	34063.800	-0.008	**0.919351**	2.95	321.0	ug/L
|	Ca	43	478.679	0.001	**59.798912**	10.93	18.3	ug/L
|>	Sc	45	224413.539	224413.539				ug/L
|	Ti	49	536.683	0.000	**0.954594**	0.37	38.8	ug/L
|	Co	59	64.000	0.000	**0.124036**	0.00	1.8	ug/L
|	Ni	60	43.333	0.000	**-0.222187**	0.01	5.7	ug/L
|	Ni	62	48.000	-0.000	**0.185195**	0.35	190.6	ug/L
|	Cu	63	190.669	-0.000	**-0.159753**	0.02	9.7	ug/L
|	Cu	65	84.000	-0.000	**-0.011123**	0.03	249.0	ug/L
|	Zn	66	880.043	0.002	**1.181638**	0.12	10.1	ug/L
|	Zn	67	3591.377	0.011	**25.760382**	4.29	16.7	ug/L
|	Zn	68	600.020	0.001	**0.956147**	0.09	9.9	ug/L
|	V	51	-2627.814	-0.011	**-0.531022**	0.48	90.6	ug/L
|	Cr	52	4747.908	0.007	**1.030249**	0.14	14.0	ug/L
|	Cr	53	48414.606	0.136	**106.249585**	6.36	6.0	ug/L
|	Mn	55	382.008	0.001	**0.456738**	0.01	2.4	ug/L
|	Fe	54	10625.019	0.004	**5.966541**	2.58	43.2	ug/L
⌞	Fe	57	1177.410	0.001	**-6.317487**	0.70	11.1	ug/L
⌜	As	75	-258.253	0.000	**-0.100670**	0.68	676.5	ug/L
|	Se	77	5019.386	0.004	**68.395093**	1.76	2.6	ug/L
|	Se	82	-7.122	-0.000	**-0.340544**	0.18	51.9	ug/L
|	Sr	86	2.552	-0.000	**0.059639**	0.02	40.7	ug/L
|	Sr	87	47.355	0.000	**0.230786**	0.02	10.0	ug/L
|	Sr	88	314.005	-0.000	**0.281556**	0.01	2.4	ug/L
|>	Y	89	554056.840	554056.840				ug/L
|	Mo	95	31.333	0.000	**0.185071**	0.02	9.0	ug/L
|	Mo	97	36.667	0.000	**0.165353**	0.03	19.7	ug/L
⌞	Mo	98	41.881	0.000	**0.437056**	0.01	2.2	ug/L
⌜	Ag	107	36.667	0.000	**0.196073**	0.00	2.0	ug/L

|	Ag	109	26.667	0.000	**0.286824**	0.00	1.1	ug/L
|	Cd	111	18.833	0.000	**0.641993**	0.01	2.0	ug/L
|	Cd	114	47.297	0.000	**0.995157**	0.02	1.7	ug/L
|>	In	115	274490.232	274490.232				ug/L
|	Sn	120	340.444	0.001	**0.696688**	0.02	2.2	ug/L
|	Sb	121	1309.428	0.000	**0.815476**	0.02	3.0	ug/L
_	Sb	123	1021.792	0.000	**0.819681**	0.07	8.5	ug/L
⌈	Ba	135	31.333	0.000	**0.079544**	0.04	55.7	ug/L
|	Ba	137	54.000	0.000	**0.207941**	0.03	14.2	ug/L
|	Ce	140	14.000	-0.000	**5.996872**	4.29	71.5	ug/L
|	Tb	159	399561.349	-0.001				ug/L
|>	Ho	165	413757.590	413757.590				ug/L
|	Tl	203	59.334	0.000	**0.077391**	0.01	15.1	ug/L
|	Tl	205	135.334	0.000	**0.001128**	0.01	702.0	ug/L
_	Pb	208	175.334	-0.000	**-0.161834**	0.00	1.7	ug/L
⌈>	Bi	209	206990.910	206990.910				mg/L
_	U	238	72.000	0.000	**0.656112**	0.00	0.1	ug/L
	Kr	83	49.667	5.733				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		86.593	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		87.037	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	85.769
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	86.396
Tl	203	
Tl	205	
Pb	208	
Bi	209	90.325
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-16A
Sample Date/Time: Monday, January 07, 2013 17:16:24
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\L0023792-16A.023
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16496.019	-0.000				ug/L
|	Li	7	4386.392	0.011	**9.058666**	0.31	3.4	ug/L
|	Be	9	17.333	-0.000	**0.077877**	0.09	116.8	ug/L
|	B	11	8244.404	0.027	**70.302606**	1.07	1.5	ug/L
|	Na	23	38483568.225	132.118	**68405.278168**	3225.62	4.7	ug/L
|	Mg	24	84390.821	0.286	**218.905677**	13.20	6.0	ug/L
|	Al	27	41586.598	0.140	**43.515019**	1.07	2.5	ug/L
|	Si	28	10264311.664	34.994	**-19073800.927608**	255074.06	1.3	ug/L
|	K	39	197934.666	0.520	**225.448494**	16.53	7.3	ug/L
|	Ca	43	3443.319	0.011	**896.077599**	21.77	2.4	ug/L
|>	Sc	45	291292.698	291292.698				ug/L
|	Ti	49	1063.396	0.002	**3.833014**	0.74	19.4	ug/L
|	Co	59	168.002	0.000	**0.161862**	0.01	3.4	ug/L
|	Ni	60	366.007	0.001	**0.412413**	0.05	12.7	ug/L
|	Ni	62	93.334	0.000	**0.579206**	0.17	28.9	ug/L
|	Cu	63	4176.292	0.013	**2.821712**	0.03	1.1	ug/L
|	Cu	65	1672.154	0.005	**2.298134**	0.12	5.3	ug/L
|	Zn	66	9323.447	0.030	**20.974141**	0.31	1.5	ug/L
|	Zn	67	5420.306	0.014	**36.787048**	11.44	31.1	ug/L
|	Zn	68	7100.106	0.023	**21.442860**	0.86	4.0	ug/L
|	V	51	-5778.321	-0.019	**-1.641419**	0.69	42.1	ug/L
|	Cr	52	7735.293	0.013	**1.876791**	0.14	7.3	ug/L
|	Cr	53	55996.863	0.113	**77.628592**	27.07	34.9	ug/L
|	Mn	55	15147.944	0.051	**5.587498**	0.02	0.3	ug/L
|	Fe	54	33374.310	0.071	**147.952177**	7.68	5.2	ug/L
⌊	Fe	57	6308.189	0.017	**77.707367**	3.21	4.1	ug/L
⌈	As	75	-1172.513	-0.001	**-1.640247**	0.82	50.0	ug/L
|	Se	77	7995.531	0.007	**112.340637**	25.14	22.4	ug/L
|	Se	82	8.378	0.000	**0.029819**	0.04	126.4	ug/L
|	Sr	86	14427.860	0.020	**21.007096**	0.94	4.5	ug/L
|	Sr	87	10999.095	0.016	**21.838792**	0.80	3.7	ug/L
|	Sr	88	127729.039	0.180	**21.834030**	0.38	1.7	ug/L
|>	Y	89	707394.061	707394.061				ug/L
|	Mo	95	1362.102	0.002	**1.890735**	0.02	0.9	ug/L
|	Mo	97	880.043	0.001	**1.885768**	0.09	4.9	ug/L
⌊	Mo	98	2092.634	0.003	**2.073485**	0.04	1.9	ug/L
⌈	Ag	107	58.000	0.000	**0.201741**	0.01	3.6	ug/L

|	Ag	109	54.667	0.000	**0.296706**	0.00	0.1	ug/L
|	Cd	111	28.333	0.000	**0.651847**	0.01	1.3	ug/L
|	Cd	114	61.707	0.000	**0.997911**	0.00	0.4	ug/L
|>	In	115	337244.241	337244.241				ug/L
|	Sn	120	602.491	0.001	**0.779030**	0.01	1.5	ug/L
|	Sb	121	1546.132	0.000	**0.781772**	0.05	6.1	ug/L
|	Sb	123	1196.149	-0.000	**0.778063**	0.01	0.7	ug/L
|	Ba	135	8967.087	0.018	**18.621828**	0.17	0.9	ug/L
|	Ba	137	15863.833	0.031	**18.868103**	0.25	1.3	ug/L
|	Ce	140	1240.751	0.002	**1040.672245**	37.21	3.6	ug/L
|	Tb	159	489884.493	0.006				ug/L
|>	Ho	165	503750.618	503750.618				ug/L
|	Tl	203	62.000	0.000	**0.071697**	0.00	5.8	ug/L
|	Tl	205	144.668	0.000	**-0.003637**	0.00	68.0	ug/L
|	Pb	208	2508.800	0.005	**0.244396**	0.00	0.6	ug/L
|>	Bi	209	238957.729	238957.729				mg/L
|	U	238	149.335	0.001	**0.664993**	0.00	0.7	ug/L
	Kr	83	45.400	1.467				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		112.400	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		111.124	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	105.378
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	105.188
Tl	203	
Tl	205	
Pb	208	
Bi	209	104.275
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-18A
Sample Date/Time: Monday, January 07, 2013 17:19:21
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\L0023792-18A.024
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	15987.142	-0.001				ug/L
|	Li	7	4577.819	0.012	**9.858935**	0.31	3.2	ug/L
|	Be	9	21.333	-0.000	**0.133025**	0.02	12.6	ug/L
|	B	11	8051.566	0.027	**70.025465**	1.47	2.1	ug/L
|	Na	23	40294559.671	141.100	**73055.620723**	2584.60	3.5	ug/L
|	Mg	24	63454.250	0.219	**168.883677**	11.81	7.0	ug/L
|	Al	27	25667.870	0.088	**29.762204**	1.52	5.1	ug/L
|	Si	28	10150857.493	35.290	**-19234863.158383**	212425.84	1.1	ug/L
|	K	39	184284.117	0.485	**210.873313**	12.01	5.7	ug/L
|	Ca	43	2707.071	0.009	**693.581897**	61.12	8.8	ug/L
|>	Sc	45	285748.587	285748.587				ug/L
|	Ti	49	1146.072	0.002	**4.691275**	0.97	20.6	ug/L
|	Co	59	110.667	0.000	**0.137253**	0.01	5.7	ug/L
|	Ni	60	187.335	0.001	**0.053493**	0.05	92.6	ug/L
|	Ni	62	62.667	-0.000	**0.197945**	0.20	99.6	ug/L
|	Cu	63	1670.154	0.005	**0.945169**	0.03	3.5	ug/L
|	Cu	65	368.007	0.001	**0.384085**	0.07	19.2	ug/L
|	Zn	66	1882.862	0.005	**3.064271**	0.08	2.5	ug/L
|	Zn	67	5262.858	0.014	**36.136701**	5.07	14.0	ug/L
|	Zn	68	1666.820	0.004	**3.941272**	0.17	4.4	ug/L
|	V	51	-7619.005	-0.026	**-2.591637**	0.51	19.8	ug/L
|	Cr	52	8197.029	0.015	**2.216296**	0.19	8.8	ug/L
|	Cr	53	68137.899	0.160	**134.476342**	21.37	15.9	ug/L
|	Mn	55	11853.725	0.041	**4.518417**	0.13	2.9	ug/L
|	Fe	54	24211.551	0.042	**84.934341**	9.85	11.6	ug/L
⌊	Fe	57	2514.348	0.004	**11.926587**	1.67	14.0	ug/L
⌈	As	75	-967.682	-0.001	**-1.308256**	0.24	18.0	ug/L
|	Se	77	9239.360	0.009	**150.558788**	7.08	4.7	ug/L
|	Se	82	1.636	0.000	**-0.113779**	0.12	104.2	ug/L
|	Sr	86	11397.841	0.016	**16.892711**	0.32	1.9	ug/L
|	Sr	87	8465.029	0.012	**17.133437**	0.22	1.3	ug/L
|	Sr	88	98519.563	0.141	**17.193442**	0.31	1.8	ug/L
|>	Y	89	694345.639	694345.639				ug/L
|	Mo	95	1202.746	0.002	**1.713443**	0.05	2.7	ug/L
|	Mo	97	782.034	0.001	**1.712705**	0.05	2.9	ug/L
⌊	Mo	98	1926.003	0.003	**1.968473**	0.02	0.8	ug/L
⌈	Ag	107	38.000	0.000	**0.193730**	0.00	1.7	ug/L

|	Ag	109	30.000	0.000	**0.286221**	0.00	0.9	ug/L
|	Cd	111	27.667	0.000	**0.653009**	0.00	0.4	ug/L
|	Cd	114	62.528	0.000	**1.000994**	0.02	1.6	ug/L
|>	In	115	322669.521	322669.521				ug/L
|	Sn	120	394.395	0.001	**0.693997**	0.01	1.0	ug/L
|	Sb	121	1442.115	-0.000	**0.761308**	0.05	6.1	ug/L
|	Sb	123	1076.628	-0.000	**0.728987**	0.01	0.9	ug/L
|	Ba	135	7316.944	0.015	**15.616795**	0.18	1.1	ug/L
|	Ba	137	12818.366	0.026	**15.691378**	0.16	1.0	ug/L
|	Ce	140	1420.111	0.003	**1226.255457**	60.00	4.9	ug/L
|	Tb	159	472567.046	-0.002				ug/L
|>	Ho	165	490148.329	490148.329				ug/L
|	Tl	203	34.000	-0.000	**0.056295**	0.01	12.6	ug/L
|	Tl	205	83.334	-0.000	**-0.017876**	0.00	1.9	ug/L
|	Pb	208	6044.787	0.012	**0.899756**	0.02	1.7	ug/L
|>	Bi	209	235910.047	235910.047				mg/L
|	U	238	136.668	0.001	**0.663516**	0.00	0.1	ug/L
	Kr	83	46.533	2.600				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		110.261	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		109.074	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	100.824
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	102.347
Tl	203	
Tl	205	
Pb	208	
Bi	209	102.945
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-19A
Sample Date/Time: Monday, January 07, 2013 17:22:16
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\L0023792-19A.025
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	15316.386	-0.001				ug/L
|	Li	7	15642.114	0.052	**43.302191**	0.82	1.9	ug/L
|	Be	9	22.667	-0.000	**0.160049**	0.08	51.6	ug/L
|	B	11	3695.418	0.012	**32.637898**	0.37	1.1	ug/L
|	Na	23	55506887.816	200.991	**104062.324939**	5141.93	4.9	ug/L
|	Mg	24	16487379.135	59.694	**44417.826506**	2675.47	6.0	ug/L
|	Al	27	6243.814	0.020	**12.202055**	0.23	1.9	ug/L
|	Si	28	10800162.488	38.858	**-21176864.742471**	191043.37	0.9	ug/L
|	K	39	686803.819	2.327	**994.064912**	54.39	5.5	ug/L
|	Ca	43	330272.696	1.195	**103091.733850**	1063.41	1.0	ug/L
|>	Sc	45	276211.918	276211.918				ug/L
|	Ti	49	1245.419	0.003	**5.809771**	0.19	3.3	ug/L
|	Co	59	616.021	0.002	**0.376139**	0.02	6.3	ug/L
|	Ni	60	1501.458	0.005	**2.903237**	0.11	3.7	ug/L
|	Ni	62	213.336	0.001	**2.254003**	0.26	11.6	ug/L
|	Cu	63	2620.378	0.008	**1.750841**	0.12	7.1	ug/L
|	Cu	65	992.054	0.003	**1.374437**	0.09	6.8	ug/L
|	Zn	66	3759.444	0.012	**8.012419**	0.08	1.0	ug/L
|	Zn	67	8754.881	0.027	**92.491870**	2.46	2.7	ug/L
|	Zn	68	13335.107	0.047	**44.023428**	1.54	3.5	ug/L
|	V	51	-4308.335	-0.015	**-1.060027**	1.08	102.0	ug/L
|	Cr	52	6917.965	0.011	**1.641853**	0.12	7.2	ug/L
|	Cr	53	64252.968	0.153	**126.829282**	6.70	5.3	ug/L
|	Mn	55	155478.467	0.562	**57.711072**	0.71	1.2	ug/L
|	Fe	54	68410.342	0.204	**428.757082**	10.87	2.5	ug/L
⌊	Fe	57	27332.368	0.094	**473.541097**	5.42	1.1	ug/L
⌈	As	75	-584.997	-0.000	**-0.600691**	0.54	89.7	ug/L
|	Se	77	9506.970	0.009	**162.717756**	6.33	3.9	ug/L
|	Se	82	28.445	0.000	**0.476171**	0.07	14.8	ug/L
|	Sr	86	484673.609	0.711	**729.089509**	8.87	1.2	ug/L
|	Sr	87	353897.879	0.519	**724.403011**	4.79	0.7	ug/L
|	Sr	88	4274964.765	6.267	**750.453184**	3.72	0.5	ug/L
|>	Y	89	682096.703	682096.703				ug/L
|	Mo	95	934.715	0.001	**1.384469**	0.06	4.7	ug/L
|	Mo	97	592.686	0.001	**1.338702**	0.19	14.1	ug/L
⌊	Mo	98	1416.659	0.002	**1.572904**	0.08	5.2	ug/L
⌈	Ag	107	34.667	0.000	**0.192646**	0.00	0.8	ug/L

|	Ag	109	26.000	-0.000	**0.284668**	0.00	1.5	ug/L
|	Cd	111	91.834	0.000	**0.786373**	0.00	0.2	ug/L
|	Cd	114	217.099	0.001	**1.137474**	0.03	2.2	ug/L
|>	In	115	314274.213	314274.213				ug/L
|	Sn	120	334.779	0.000	**0.670300**	0.02	2.5	ug/L
|	Sb	121	1374.104	-0.000	**0.744404**	0.01	2.0	ug/L
L	Sb	123	1196.541	0.000	**0.838768**	0.01	1.3	ug/L
⌈	Ba	135	665802.224	1.373	**1436.131952**	40.76	2.8	ug/L
|	Ba	137	1166227.765	2.404	**1430.743599**	11.93	0.8	ug/L
|	Ce	140	564.684	0.001	**487.080528**	28.49	5.8	ug/L
|	Tb	159	470612.087	0.004				ug/L
|>	Ho	165	485120.918	485120.918				ug/L
|	Tl	203	47.333	-0.000	**0.064346**	0.00	3.6	ug/L
|	Tl	205	90.667	-0.000	**-0.015818**	0.00	21.3	ug/L
L	Pb	208	5717.378	0.011	**0.851085**	0.01	0.7	ug/L
⌈>	Bi	209	220741.385	220741.385				mg/L
L	U	238	27618.573	0.125	**4.644240**	0.05	1.1	ug/L
	Kr	83	62.400	18.467				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		106.581	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		107.150	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	98.200
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	101.298
Tl	203	
Tl	205	
Pb	208	
Bi	209	96.326
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-20A
Sample Date/Time: Monday, January 07, 2013 17:25:11
Sample Type: Sample
Sample Description: 1
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\L0023792-20A.026
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	16218.466	-0.000				ug/L
|	Li	7	3756.776	0.009	**7.392544**	0.23	3.1	ug/L
|	Be	9	20.000	-0.000	**0.115670**	0.06	50.2	ug/L
|	B	11	12339.045	0.042	**106.882859**	2.21	2.1	ug/L
|	Na	23	32507296.453	112.854	**58431.999904**	4012.94	6.9	ug/L
|	Mg	24	1056463.139	3.660	**2729.198104**	181.51	6.7	ug/L
|	Al	27	10088.935	0.033	**15.448887**	0.70	4.6	ug/L
|	Si	28	9293362.372	31.993	**-17440098.769491**	300229.46	1.7	ug/L
|	K	39	673607.715	2.178	**930.672220**	38.15	4.1	ug/L
|	Ca	43	19595.776	0.067	**5743.847583**	103.23	1.8	ug/L
|>	Sc	45	288300.964	288300.964				ug/L
|	Ti	49	1262.754	0.002	**5.519024**	0.33	6.0	ug/L
|	Co	59	301.338	0.001	**0.222454**	0.00	2.1	ug/L
|	Ni	60	436.677	0.001	**0.565181**	0.05	8.4	ug/L
|	Ni	62	113.334	0.000	**0.849787**	0.19	22.8	ug/L
|	Cu	63	1684.157	0.005	**0.945249**	0.12	12.2	ug/L
|	Cu	65	492.013	0.001	**0.562426**	0.06	10.3	ug/L
|	Zn	66	2248.278	0.006	**3.915647**	0.06	1.5	ug/L
|	Zn	67	6239.476	0.017	**49.802158**	5.30	10.6	ug/L
|	Zn	68	2148.254	0.006	**5.466661**	0.19	3.4	ug/L
|	V	51	-7595.324	-0.026	**-2.546414**	1.87	73.4	ug/L
|	Cr	52	8612.751	0.016	**2.398889**	0.20	8.3	ug/L
|	Cr	53	76510.509	0.186	**166.706621**	17.79	10.7	ug/L
|	Mn	55	66170.729	0.229	**23.703224**	0.50	2.1	ug/L
|	Fe	54	44781.480	0.112	**234.211578**	11.23	4.8	ug/L
⌊	Fe	57	10607.522	0.032	**155.301952**	6.30	4.1	ug/L
⌜	As	75	2659.386	0.005	**5.383573**	1.07	19.9	ug/L
|	Se	77	10718.327	0.010	**184.043826**	10.47	5.7	ug/L
|	Se	82	5.420	0.000	**-0.036100**	0.09	255.8	ug/L
|	Sr	86	30792.016	0.043	**44.416356**	0.16	0.4	ug/L
|	Sr	87	22170.514	0.031	**43.562000**	0.20	0.4	ug/L
|	Sr	88	260996.525	0.366	**44.075160**	0.53	1.2	ug/L
|>	Y	89	712231.706	712231.706				ug/L
|	Mo	95	3204.565	0.004	**4.242237**	0.19	4.6	ug/L
|	Mo	97	2108.912	0.003	**4.389462**	0.16	3.6	ug/L
⌊	Mo	98	5157.190	0.007	**4.506392**	0.20	4.5	ug/L
⌜	Ag	107	28.000	-0.000	**0.188729**	0.00	1.9	ug/L

|	Ag	109	23.333	-0.000	**0.282722**	0.00	0.2	ug/L
|	Cd	111	19.333	0.000	**0.635063**	0.01	0.8	ug/L
|	Cd	114	43.104	0.000	**0.983097**	0.01	0.9	ug/L
|>	In	115	333132.566	333132.566				ug/L
|	Sn	120	453.799	0.001	**0.715044**	0.02	2.3	ug/L
|	Sb	121	1462.118	-0.000	**0.747710**	0.03	3.5	ug/L
L	Sb	123	1122.638	-0.000	**0.736805**	0.01	1.8	ug/L
⌈	Ba	135	17667.823	0.035	**36.164264**	0.65	1.8	ug/L
|	Ba	137	30443.556	0.059	**35.578549**	0.13	0.4	ug/L
|	Ce	140	444.011	0.001	**361.759263**	34.44	9.5	ug/L
|	Tb	159	493581.676	-0.001				ug/L
|>	Ho	165	511032.207	511032.207				ug/L
|	Tl	203	28.000	-0.000	**0.052090**	0.01	15.5	ug/L
|	Tl	205	74.000	-0.000	**-0.020937**	0.00	2.1	ug/L
L	Pb	208	2498.803	0.004	**0.236356**	0.02	7.8	ug/L
⌈>	Bi	209	235708.475	235708.475				mg/L
L	U	238	74.667	0.000	**0.655117**	0.00	0.1	ug/L
	Kr	83	48.467	4.533				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		111.245	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		111.884	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	104.093
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	106.708
Tl	203	
Tl	205	
Pb	208	
Bi	209	102.857
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: L0023792-23A
Sample Date/Time: Monday, January 07, 2013 17:28:08
Sample Type: Sample
Sample Description: 5
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\L0023792-23A.027
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL): 2.0000
Diluted to Volume (mL): 10
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	16123.537	0.003				ug/L
|	Li	7	7606.515	0.024	**98.463546**	3.40	3.5	ug/L
|	Be	9	200.002	0.001	**12.602997**	1.90	15.1	ug/L
|	B	11	1094.733	0.003	**45.121086**	0.70	1.6	ug/L
|	Na	23	9221705.884	33.875	**87713.715906**	3771.27	4.3	ug/L
|	Mg	24	2346507.742	8.615	**32077.414015**	1985.63	6.2	ug/L
|	Al	27	1573238.056	5.782	**7565.820699**	295.85	3.9	ug/L
|	Si	28	4493418.409	16.270	**-44407758.768031**	242377.66	0.5	ug/L
|	K	39	298662.211	0.938	**2016.788657**	66.96	3.3	ug/L
|	Ca	43	47030.893	0.172	**73963.041142**	2420.08	3.3	ug/L
|	> Sc	45	272044.386	272044.386				ug/L
|	Ti	49	792.701	0.001	**10.733073**	1.60	14.9	ug/L
|	Co	59	19742.763	0.072	**47.462594**	0.52	1.1	ug/L
|	Ni	60	4718.559	0.017	**50.047870**	1.56	3.1	ug/L
|	Ni	62	830.705	0.003	**53.478483**	2.63	4.9	ug/L
|	Cu	63	552.683	0.001	**0.510515**	0.15	30.2	ug/L
|	Cu	65	293.338	0.001	**1.461582**	0.18	12.2	ug/L
|	Zn	66	10926.565	0.038	**133.703668**	5.21	3.9	ug/L
|	Zn	67	6156.752	0.018	**269.725924**	15.47	5.7	ug/L
|	Zn	68	8290.448	0.029	**135.947101**	1.64	1.2	ug/L
|	V	51	12813.329	0.047	**37.475226**	7.35	19.6	ug/L
|	Cr	52	17064.673	0.049	**37.768124**	1.23	3.3	ug/L
|	Cr	53	60167.849	0.142	**565.174941**	61.61	10.9	ug/L
|	Mn	55	1178672.129	4.333	**2211.854171**	53.88	2.4	ug/L
|	Fe	54	922654.650	3.349	**35341.993029**	626.46	1.8	ug/L
⌊	Fe	57	367953.868	1.348	**34459.688480**	317.32	0.9	ug/L
⌈	As	75	-304.751	0.000	**-0.161339**	2.30	1427.9	ug/L
|	Se	77	7119.457	0.005	**397.970083**	66.05	16.6	ug/L
|	Se	82	6.875	0.000	**-0.041384**	0.31	752.4	ug/L
|	Sr	86	59141.323	0.080	**410.593917**	21.24	5.2	ug/L
|	Sr	87	43977.253	0.059	**415.717283**	4.69	1.1	ug/L
|	Sr	88	507234.841	0.685	**411.635961**	2.55	0.6	ug/L
|	> Y	89	739375.108	739375.108				ug/L
|	Mo	95	25.333	-0.000	**0.822141**	0.03	4.2	ug/L
|	Mo	97	30.667	0.000	**0.641715**	0.11	16.9	ug/L
⌊	Mo	98	31.433	0.000	**2.090455**	0.01	0.7	ug/L
⌈	Ag	107	27.333	-0.000	**0.945515**	0.00	0.3	ug/L

|	Ag	109	17.333	-0.000	**1.402022**	0.01	0.9	ug/L
|	Cd	111	255.837	0.001	**5.593867**	0.11	2.0	ug/L
|	Cd	114	591.992	0.002	**7.307190**	0.23	3.2	ug/L
|>	In	115	317101.306	317101.306				ug/L
|	Sn	120	124.421	-0.000	**2.845290**	0.01	0.5	ug/L
|	Sb	121	1402.108	-0.000	**3.765824**	0.14	3.7	ug/L
L	Sb	123	1090.966	-0.000	**3.766105**	0.27	7.2	ug/L
⌈	Ba	135	1391.440	0.003	**14.655927**	0.67	4.5	ug/L
|	Ba	137	2525.685	0.005	**15.769711**	0.67	4.2	ug/L
|	Ce	140	127367.515	0.256	**546113.466832**	13694.49	2.5	ug/L
|	Tb	159	480231.894	0.001				ug/L
|>	Ho	165	496730.615	496730.615				ug/L
|	Tl	203	36.000	-0.000	**0.285758**	0.02	7.7	ug/L
|	Tl	205	87.334	-0.000	**-0.085810**	0.02	24.2	ug/L
L	Pb	208	1742.063	0.003	**0.565278**	0.05	9.6	ug/L
⌈>	Bi	209	236787.860	236787.860				mg/L
L	U	238	2555.026	0.011	**4.949281**	0.07	1.4	ug/L
	Kr	83	50.067	6.133				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		104.973	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		116.148	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	99.084
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	103.722
Tl	203	
Tl	205	
Pb	208	
Bi	209	103.328
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: QC Std 4
Sample Date/Time: Monday, January 07, 2013 17:31:05
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\QC Std 4.028
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	**Conc. Mean**	Conc. SD	Conc. RSD	Sample Unit
	Li	6	14950.870	-0.000				ug/L
	Li	7	34396.333	0.125	**103.279052**	2.44	2.4	ug/L
	Be	9	7571.824	0.028	**103.079560**	2.44	2.4	ug/L
	B	11	10346.557	0.038	**97.157201**	2.32	2.4	ug/L
	Na	23	2605523.519	9.773	**5064.440519**	167.39	3.3	ug/L
	Mg	24	1662756.818	6.252	**4657.918006**	137.71	3.0	ug/L
	Al	27	5058611.233	19.035	**4966.129065**	270.56	5.4	ug/L
	Si	28	46771.402	-0.070	**12378.465317**	6110.74	49.4	ug/L
	K	39	3018978.781	11.193	**4764.295992**	151.41	3.2	ug/L
	Ca	43	15732.283	0.058	**4985.474975**	29.55	0.6	ug/L
>	Sc	45	265707.458	265707.458				ug/L
	Ti	49	12118.746	0.044	**100.015311**	1.43	1.4	ug/L
	Co	59	202185.138	0.761	**98.695011**	1.00	1.0	ug/L
	Ni	60	44392.952	0.167	**99.293892**	1.08	1.1	ug/L
	Ni	62	7048.069	0.026	**97.538137**	3.27	3.3	ug/L
	Cu	63	116213.635	0.436	**96.315309**	0.57	0.6	ug/L
	Cu	65	60827.099	0.228	**98.290196**	1.51	1.5	ug/L
	Zn	66	39383.914	0.146	**102.861791**	1.22	1.2	ug/L
	Zn	67	10273.814	0.034	**122.054747**	5.72	4.7	ug/L
	Zn	68	29511.906	0.110	**103.219642**	1.47	1.4	ug/L
	V	51	188123.750	0.708	**97.894365**	0.81	0.8	ug/L
	Cr	52	175222.371	0.646	**101.138991**	1.04	1.0	ug/L
	Cr	53	71821.392	0.191	**172.586740**	4.29	2.5	ug/L
	Mn	55	259420.146	0.975	**99.816624**	2.25	2.3	ug/L
	Fe	54	661298.206	2.444	**5156.851313**	166.28	3.2	ug/L
	Fe	57	268278.129	1.005	**5136.402309**	89.35	1.7	ug/L
	As	75	48661.160	0.075	**96.616614**	3.99	4.1	ug/L
	Se	77	22219.142	0.029	**544.885555**	16.42	3.0	ug/L
	Se	82	21375.360	0.032	**486.782465**	19.00	3.9	ug/L
	Sr	86	63082.316	0.096	**98.245948**	1.68	1.7	ug/L
	Sr	87	46234.052	0.070	**98.016842**	1.88	1.9	ug/L
	Sr	88	536465.115	0.813	**97.606593**	2.30	2.4	ug/L
>	Y	89	659354.177	659354.177				ug/L
	Mo	95	70913.138	0.108	**98.278394**	0.64	0.7	ug/L
	Mo	97	43946.673	0.067	**97.395111**	1.86	1.9	ug/L
	Mo	98	114112.567	0.173	**98.619001**	0.32	0.3	ug/L
	Ag	107	210702.782	0.661	**97.425422**	1.48	1.5	ug/L

|	Ag	109	199100.793	0.625	**95.234905**	0.93	1.0	ug/L
|	Cd	111	46904.627	0.147	**95.705153**	0.28	0.3	ug/L
|	Cd	114	110727.234	0.347	**96.532173**	1.18	1.2	ug/L
|>	In	115	318525.189	318525.189				ug/L
|	Sn	120	205775.529	0.646	**97.823652**	1.78	1.8	ug/L
|	Sb	121	174076.578	0.542	**97.337045**	1.81	1.9	ug/L
|	Sb	123	132489.541	0.412	**96.941311**	1.14	1.2	ug/L
|	Ba	135	45440.662	0.094	**98.181301**	1.26	1.3	ug/L
|	Ba	137	78916.739	0.163	**97.096559**	1.56	1.6	ug/L
|	Ce	140	160.668	0.000	**132.741771**	11.56	8.7	ug/L
|	Tb	159	466449.943	-0.003				ug/L
|>	Ho	165	484289.888	484289.888				ug/L
|	Tl	203	169250.723	0.349	**100.202728**	1.78	1.8	ug/L
|	Tl	205	402370.597	0.831	**100.870618**	2.60	2.6	ug/L
|	Pb	208	546294.324	1.127	**100.349853**	1.19	1.2	ug/L
|>	Bi	209	238058.480	238058.480				mg/L
|	U	238	716789.596	3.012	**96.928638**	1.15	1.2	ug/L
	Kr	83	50.800	6.867				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7	103.279		
Be	9	103.080		
B	11	97.157		
Na	23	101.289		
Mg	24	93.158		
Al	27	97.375		
Si	28	247.569		
K	39	95.286		
Ca	43	99.709		
Sc	45		102.527	
Ti	49	100.015		
Co	59	98.695		
Ni	60	99.294		
Ni	62	97.538		
Cu	63	96.315		
Cu	65	98.290		
Zn	66	102.862		
Zn	67	122.055		
Zn	68	103.220		
V	51	97.894		
Cr	52	101.139		
Cr	53	172.587		
Mn	55	99.817		
Fe	54	103.137		
Fe	57	102.728		
As	75	96.617		
Se	77	108.977		
Se	82	97.356		
Sr	86	98.246		
Sr	87	98.017		
Sr	88	97.607		
Y	89		103.578	
Mo	95	98.278		

Mo	97	97.395	
Mo	98	98.619	
Ag	107	97.425	
Ag	109	95.235	
Cd	111	95.705	
Cd	114	96.532	
In	115		99.529
Sn	120	97.824	
Sb	121	97.337	
Sb	123	96.941	
Ba	135	98.181	
Ba	137	97.097	
Ce	140	132.742	
Tb	159		
Ho	165		101.124
Tl	203	100.203	
Tl	205	100.871	
Pb	208	100.350	
Bi	209		103.882
U	238	96.929	
Kr	83		

Quantitative Analysis - Summary Report

Sample ID: QC Std 6
Sample Date/Time: Monday, January 07, 2013 17:34:01
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\QC Std 6.029
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	14937.130	0.003				ug/L
|	Li	7	1082.731	0.000	**0.186243**	0.14	75.6	ug/L
|	Be	9	21.333	-0.000	**0.170406**	0.09	51.9	ug/L
|	B	11	370.674	0.000	**2.582593**	0.57	21.9	ug/L
|	Na	23	7970.248	0.004	**6.879822**	2.51	36.5	ug/L
|	Mg	24	666.697	-0.001	**5.344620**	1.27	23.7	ug/L
|	Al	27	1433.447	0.003	**7.791569**	0.09	1.1	ug/L
|	Si	28	42986.774	-0.076	**15569.699727**	2439.53	15.7	ug/L
|	K	39	36674.053	-0.014	**-1.633687**	6.77	414.4	ug/L
|	Ca	43	481.346	0.001	**40.415932**	25.29	62.6	ug/L
| >	Sc	45	252375.788	252375.788				ug/L
|	Ti	49	588.019	0.000	**0.814230**	0.07	8.7	ug/L
|	Co	59	78.667	0.000	**0.127547**	0.01	6.1	ug/L
|	Ni	60	43.333	0.000	**-0.234493**	0.02	9.4	ug/L
|	Ni	62	41.333	-0.000	**-0.000158**	0.05	34751.9	ug/L
|	Cu	63	218.669	-0.000	**-0.156956**	0.03	22.0	ug/L
|	Cu	65	86.667	-0.000	**-0.024506**	0.03	108.6	ug/L
|	Zn	66	1434.780	0.004	**2.429638**	0.26	10.6	ug/L
|	Zn	67	4006.216	0.011	**25.266503**	2.49	9.8	ug/L
|	Zn	68	1106.734	0.003	**2.575856**	0.16	6.3	ug/L
|	V	51	-5061.238	-0.019	**-1.647677**	0.94	56.9	ug/L
|	Cr	52	5100.768	0.006	**0.879845**	0.08	8.6	ug/L
|	Cr	53	51614.225	0.125	**92.669305**	4.27	4.6	ug/L
|	Mn	55	464.012	0.001	**0.470464**	0.01	1.2	ug/L
|	Fe	54	11574.914	0.003	**2.877944**	2.00	69.5	ug/L
⌊	Fe	57	1286.758	0.000	**-7.088639**	1.03	14.6	ug/L
⌈	As	75	-565.270	-0.000	**-0.665254**	0.37	55.2	ug/L
|	Se	77	5354.910	0.004	**59.178908**	8.61	14.5	ug/L
|	Se	82	0.839	0.000	**-0.126051**	0.12	98.5	ug/L
|	Sr	86	5.206	-0.000	**0.064001**	0.01	16.3	ug/L
|	Sr	87	39.917	0.000	**0.201047**	0.00	1.9	ug/L
|	Sr	88	347.340	-0.000	**0.280306**	0.01	2.0	ug/L
| >	Y	89	624923.668	624923.668				ug/L
|	Mo	95	39.333	0.000	**0.190500**	0.00	2.6	ug/L
|	Mo	97	34.667	0.000	**0.150162**	0.03	21.2	ug/L
⌊	Mo	98	41.132	0.000	**0.431413**	0.01	1.9	ug/L
⌈	Ag	107	42.000	0.000	**0.196936**	0.00	0.7	ug/L

|	Ag	109	46.667	0.000	**0.295725**	0.00	1.0	ug/L
|	Cd	111	19.333	0.000	**0.639213**	0.01	1.4	ug/L
|	Cd	114	44.290	0.000	**0.987675**	0.02	1.7	ug/L
|>	In	115	300789.003	300789.003				ug/L
|	Sn	120	301.109	0.000	**0.660426**	0.01	1.7	ug/L
|	Sb	121	1380.772	0.000	**0.783383**	0.04	4.5	ug/L
|	Sb	123	1119.803	0.000	**0.820384**	0.05	6.0	ug/L
⌈	Ba	135	30.667	0.000	**0.071070**	0.01	7.4	ug/L
|	Ba	137	72.667	0.000	**0.225027**	0.00	1.8	ug/L
|	Ce	140	18.000	0.000	**8.419526**	5.88	69.9	ug/L
|	Tb	159	440741.079	-0.002				ug/L
|>	Ho	165	457153.114	457153.114				ug/L
|	Tl	203	71.334	0.000	**0.081009**	0.01	6.4	ug/L
|	Tl	205	141.334	0.000	**-0.000986**	0.00	184.9	ug/L
⌊	Pb	208	191.334	-0.000	**-0.162241**	0.01	5.0	ug/L
⌈>	Bi	209	227748.580	227748.580				mg/L
⌊	U	238	114.667	0.000	**0.661244**	0.00	0.6	ug/L
	Kr	83	46.133	2.200				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		97.383	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		98.169	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	93.987
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	95.458
Tl	203	
Tl	205	
Pb	208	
Bi	209	99.383
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: ICSA
Sample Date/Time: Monday, January 07, 2013 17:36:58
Sample Type: Sample
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\ICSA.030
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌜	Li	6	14257.100	-0.004				ug/L
|	Li	7	1119.402	-0.000	**0.050682**	0.14	268.6	ug/L
|	Be	9	16.667	-0.000	**0.086886**	0.07	80.1	ug/L
|	B	11	426.677	0.000	**2.833381**	0.15	5.4	ug/L
|	Na	23	50927666.589	187.374	**97012.578403**	7082.96	7.3	ug/L
|	Mg	24	33863464.488	124.808	**92861.746260**	4555.82	4.9	ug/L
|	Al	27	99748555.105	367.585	**95773.091882**	1795.19	1.9	ug/L
|	Si	28	61006.826	-0.021	**-14000.180758**	1133.63	8.1	ug/L
|	K	39	61911381.242	227.684	**96824.628332**	6124.58	6.3	ug/L
|	Ca	43	315669.367	1.162	**100265.414488**	984.29	1.0	ug/L
| >	Sc	45	271443.349	271443.349				ug/L
|	Ti	49	206290.804	0.758	**1737.263676**	8.76	0.5	ug/L
|	Co	59	3748.774	0.014	**1.879158**	0.12	6.5	ug/L
|	Ni	60	1395.441	0.005	**2.729874**	0.11	4.1	ug/L
|	Ni	62	760.032	0.003	**9.751083**	0.84	8.6	ug/L
|	Cu	63	2917.135	0.010	**2.029241**	0.06	2.9	ug/L
|	Cu	65	1514.793	0.005	**2.229265**	0.04	1.7	ug/L
|	Zn	66	1918.869	0.005	**3.399535**	0.06	1.7	ug/L
|	Zn	67	4079.583	0.010	**21.597448**	0.43	2.0	ug/L
|	Zn	68	936.048	0.002	**1.683507**	0.17	10.4	ug/L
|	V	51	-3986.657	-0.014	**-0.924696**	0.73	78.6	ug/L
|	Cr	52	9775.923	0.022	**3.363113**	0.17	5.2	ug/L
|	Cr	53	45092.294	0.087	**45.985972**	3.51	7.6	ug/L
|	Mn	55	29053.020	0.106	**11.210917**	0.48	4.3	ug/L
|	Fe	54	13336945.158	49.128	**103725.619508**	3616.32	3.5	ug/L
⌞	Fe	57	5467784.041	20.154	**103174.525696**	3747.47	3.6	ug/L
⌜	As	75	-291.295	0.000	**-0.049851**	0.13	270.6	ug/L
|	Se	77	5444.966	0.003	**48.628975**	5.41	11.1	ug/L
|	Se	82	-25.339	-0.000	**-0.710275**	0.07	9.3	ug/L
|	Sr	86	763.705	0.001	**1.212258**	0.03	2.7	ug/L
|	Sr	87	781.778	0.001	**1.722110**	0.25	14.7	ug/L
|	Sr	88	7435.707	0.010	**1.528028**	0.03	1.9	ug/L
| >	Y	89	677225.091	677225.091				ug/L
|	Mo	95	1554446.638	2.295	**2094.850842**	40.78	1.9	ug/L
|	Mo	97	957738.098	1.414	**2064.130367**	11.40	0.6	ug/L
⌞	Mo	98	2566541.102	3.790	**2151.072644**	16.77	0.8	ug/L
⌜	Ag	107	166.668	0.000	**0.254848**	0.01	2.8	ug/L

|	Ag	109	130.001	0.000	**0.335290**	0.00	0.3	ug/L
|	Cd	111	1477.620	0.005	**3.652287**	0.09	2.4	ug/L
|	Cd	114	2743.173	0.009	**3.362256**	0.07	2.1	ug/L
|>	In	115	312445.951	312445.951				ug/L
|	Sn	120	355.761	0.000	**0.681417**	0.01	1.3	ug/L
|	Sb	121	2704.402	0.004	**1.507212**	0.04	2.6	ug/L
|	Sb	123	2047.131	0.003	**1.478520**	0.05	3.2	ug/L
⌈	Ba	135	1448.115	0.003	**3.173916**	0.07	2.1	ug/L
|	Ba	137	2601.706	0.005	**3.371193**	0.07	2.1	ug/L
|	Ce	140	1328.764	0.003	**1177.384751**	35.86	3.0	ug/L
|	Tb	159	465247.142	0.008				ug/L
|>	Ho	165	477600.796	477600.796				ug/L
|	Tl	203	126.001	0.000	**0.112068**	0.00	1.2	ug/L
|	Tl	205	307.339	0.000	**0.039636**	0.01	26.0	ug/L
⌊	Pb	208	1788.736	0.003	**0.134555**	0.02	11.4	ug/L
⌈>	Bi	209	215348.152	215348.152				mg/L
⌊	U	238	55.334	0.000	**0.653205**	0.00	0.2	ug/L
	Kr	83	77.267	33.334				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		104.741	
Ti	49			
Co	59			
Ni	60			
Ni	62			
Cu	63			
Cu	65			
Zn	66			
Zn	67			
Zn	68			
V	51			
Cr	52			
Cr	53			
Mn	55			
Fe	54			
Fe	57			
As	75			
Se	77			
Se	82			
Sr	86			
Sr	87			
Sr	88			
Y	89		106.385	
Mo	95			

Mo	97	
Mo	98	
Ag	107	
Ag	109	
Cd	111	
Cd	114	
In	115	97.629
Sn	120	
Sb	121	
Sb	123	
Ba	135	
Ba	137	
Ce	140	
Tb	159	
Ho	165	99.727
Tl	203	
Tl	205	
Pb	208	
Bi	209	93.972
U	238	
Kr	83	

Quantitative Analysis - Summary Report

Sample ID: ICSAB
Sample Date/Time: Monday, January 07, 2013 17:39:55
Sample Type: Spike - 2 of 75
Sample Description:
Method File: C:\Elandata\Method\Accutest 0.5ppb all metals.mth
Dataset File: C:\elandata\Dataset\1301071524MS\ICSAB.031
Tuning File: C:\elandata\Tuning\default.tun
Optimization File: C:\elandata\Optimize\default.dac
Sample Prep Volume (mL):
Initial Sample Quantity (mg):
Aliquot Volume (mL):
Diluted to Volume (mL):
Solids Ratio:

Concentration Results

	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Conc. Mean	Conc. SD	Conc. RSD	Sample Unit
⌈	Li	6	14505.676	-0.004				ug/L
|	Li	7	1108.735	-0.000	**-0.047830**	0.30	633.9	ug/L
|	Be	9	17.333	-0.000	**0.089471**	0.04	41.0	ug/L
|	B	11	395.342	0.000	**2.470155**	0.40	16.1	ug/L
|	Na	23	52570494.543	189.849	**98293.966744**	6500.77	6.6	ug/L
|	Mg	24	34590508.317	124.881	**92915.835206**	4190.98	4.5	ug/L
|	Al	27	100819885.098	364.279	**94911.796061**	3045.24	3.2	ug/L
|	Si	28	65397.743	-0.010	**-20242.222904**	467.03	2.3	ug/L
|	K	39	64278627.530	231.948	**98637.584876**	2793.19	2.8	ug/L
|	Ca	43	331434.090	1.197	**103227.542744**	4678.48	4.5	ug/L
| >	Sc	45	276854.092	276854.092				ug/L
|	Ti	49	211670.779	0.763	**1747.670547**	14.69	0.8	ug/L
|	Co	59	168226.309	0.607	**78.831463**	2.10	2.7	ug/L
|	Ni	60	36592.878	0.132	**78.516547**	2.77	3.5	ug/L
|	Ni	62	6375.571	0.023	**84.588860**	3.04	3.6	ug/L
|	Cu	63	93951.865	0.338	**74.656529**	0.96	1.3	ug/L
|	Cu	65	47483.726	0.171	**73.604151**	0.59	0.8	ug/L
|	Zn	66	15557.305	0.054	**38.019329**	0.34	0.9	ug/L
|	Zn	67	6336.875	0.018	**55.018871**	1.58	2.9	ug/L
|	Zn	68	11169.525	0.039	**36.512547**	0.57	1.6	ug/L
|	V	51	158908.326	0.574	**79.558397**	2.32	2.9	ug/L
|	Cr	52	151065.559	0.532	**83.287057**	1.65	2.0	ug/L
|	Cr	53	63009.658	0.148	**120.641231**	4.95	4.1	ug/L
|	Mn	55	243673.927	0.879	**90.053508**	2.66	3.0	ug/L
|	Fe	54	13859665.242	50.012	**105594.088951**	1395.41	1.3	ug/L
⌊	Fe	57	5650376.449	20.405	**104460.399087**	2290.54	2.2	ug/L
⌈	As	75	18163.108	0.027	**35.131379**	0.55	1.6	ug/L
|	Se	77	6806.548	0.005	**85.988953**	3.87	4.5	ug/L
|	Se	82	1676.595	0.002	**36.710501**	0.49	1.3	ug/L
|	Sr	86	791.449	0.001	**1.245466**	0.05	4.1	ug/L
|	Sr	87	797.355	0.001	**1.743295**	0.08	4.8	ug/L
|	Sr	88	7571.152	0.010	**1.541543**	0.04	2.6	ug/L
| >	Y	89	682624.454	682624.454				ug/L
|	Mo	95	1548996.992	2.269	**2071.005179**	17.33	0.8	ug/L
|	Mo	97	956712.319	1.402	**2045.898452**	32.78	1.6	ug/L
⌊	Mo	98	2609740.297	3.824	**2170.442239**	29.99	1.4	ug/L
⌈	Ag	107	42383.911	0.132	**19.548255**	0.05	0.3	ug/L

|	Ag	109	39695.148	0.123	**19.022265**	0.21	1.1	ug/L
|	Cd	111	20159.666	0.063	**41.087806**	0.93	2.3	ug/L
|	Cd	114	46481.806	0.144	**40.697740**	0.59	1.4	ug/L
|>	In	115	321615.590	321615.590				ug/L
|	Sn	120	683.155	0.001	**0.829817**	0.01	0.9	ug/L
|	Sb	121	2741.747	0.004	**1.483916**	0.06	4.2	ug/L
|	Sb	123	2111.565	0.003	**1.481779**	0.06	4.3	ug/L
|	Ba	135	1494.790	0.003	**3.218612**	0.17	5.3	ug/L
|	Ba	137	2479.672	0.005	**3.163203**	0.08	2.5	ug/L
|	Ce	140	1371.437	0.003	**1193.076226**	56.21	4.7	ug/L
|	Tb	159	471395.941	0.003				ug/L
|>	Ho	165	486337.158	486337.158				ug/L
|	Tl	203	130.668	0.000	**0.113507**	0.01	7.5	ug/L
|	Tl	205	307.339	0.000	**0.038211**	0.00	6.5	ug/L
|	Pb	208	1848.073	0.003	**0.139242**	0.01	4.2	ug/L
|>	Bi	209	217007.934	217007.934				mg/L
|	U	238	40.000	0.000	**0.650907**	0.00	0.2	ug/L
	Kr	83	81.867	37.934				ug/L

QC Calculated Values

Analyte	Mass	QC Std % Recovery	Int Std % Recovery	Spike % Recovery
Li	6			
Li	7			
Be	9			
B	11			
Na	23			
Mg	24			
Al	27			
Si	28			
K	39			
Ca	43			
Sc	45		106.828	
Ti	49			
Co	59			96.190
Ni	60			94.733
Ni	62			93.547
Cu	63			90.784
Cu	65			89.219
Zn	66			86.549
Zn	67			83.554
Zn	68			87.073
V	51			100.604
Cr	52			99.905
Cr	53			93.319
Mn	55			98.553
Fe	54			
Fe	57			
As	75			87.953
Se	77			93.400
Se	82			93.552
Sr	86			
Sr	87			
Sr	88			
Y	89		107.233	
Mo	95			

Mo	97		
Mo	98		
Ag	107		96.467
Ag	109		93.435
Cd	111		93.589
Cd	114		93.339
In	115	100.494	
Sn	120		
Sb	121		
Sb	123		
Ba	135		
Ba	137		
Ce	140		
Tb	159		
Ho	165	101.552	
Tl	203		
Tl	205		
Pb	208		
Bi	209	94.697	
U	238		
Kr	83		

Reprocessing Form for all ICP (6010 or 200.7) data:

Analyst: Brandy Broussard

Date: 1-9-13

Dataset: 130109104300

Rep: 130109104300Rep1

☐ Change the number of points per peak (place final # of pts/pk in each box)

☐ Al ☐ Sb ☐ As ☐ Ba ☐ Be ☐ B ☐ Cd ☐ Ca ☐ Cr ☐ Co ☐ Cu ☐ Fe ☐ Pb ☐ Li ☐ Mg ☐ Mn ☐ Mo ☐ Ni

☐ P ☐ K ☐ Se ☐ Si ☐ Ag ☐ Na ☐ Sr ☐ Tl ☐ Sn ☐ Ti ☐ V ☐ Zn

Reason for making changes:

1. Width of the viewing window is too narrow.
2. Width of the viewing window is too wide.
3. Adjacent peak present in viewing window.
4. Baseline shift.
5. Sample baseline different than calibration baseline.

☐ Adjust background points for: (place # of reason in each box)

☐ Al ☐ Sb ☐ As ☐ Ba ☐ Be ☐ B ☐ Cd ☐ Ca ☐ Cr ☐ Co ☐ Cu ☐ Fe ☐ Pb ☐ Li ☐ Mg ☐ Mn ☐ Mo ☐ Ni

☐ P ☐ K ☐ Se ☐ Si ☐ Ag ☐ Na ☐ Sr ☐ Tl ☐ Sn ☐ Ti ☐ V ☐ Zn

Reason for making changes:

1. Width of the viewing window is too narrow.
2. Width of the viewing window is too wide.
3. Adjacent peak present in viewing window.
4. Baseline shift.
5. Sample baseline different than calibration baseline.

☐ Adjust IEC table. (Formula provided in PE Advanced Optima ICP N0220027 Rev. A pg.31)

☐ Al ☐ Sb ☐ As ☐ Ba ☐ Be ☐ B ☐ Cd ☐ Ca ☐ Cr ☐ Co ☐ Cu ☐ Fe ☐ Pb ☐ Li ☐ Mg ☐ Mn ☐ Mo ☐ Ni

☐ P ☐ K ☐ Se ☒ Si ☐ Ag ☐ Na ☐ Sr ☐ Tl ☐ Sn ☐ Ti ☐ V ☐ Zn

List manuel calculation for each metal:

Se −72.8 ÷ 488.5 + −0.0281833 = −0.1772109

Reviewed by:

Date:

Nebulizer Parameters: Hg_ReAlign

Analyte	Back Pressure	Flow
All	127.0 kPa	0.65 L/min

1/9/2013 10:35:01 AM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): 0.000 Slit adjustment: 2

Align View XY Axial for analyte Mn 257.610

X-position	Y-position	Intensity
-2.0	15.0	117234.0
-1.6	15.0	169969.0
-1.2	15.0	226993.2
-0.8	15.0	294499.4
-0.4	15.0	332893.8
0.0	15.0	344814.1
0.4	15.0	327745.7
0.8	15.0	293878.6
1.2	15.0	246612.3
1.6	15.0	198372.4
2.0	15.0	146338.6
0.0	10.0	10570.9
0.0	10.5	34277.4
0.0	11.0	52384.7
0.0	11.5	76226.9
0.0	12.0	101782.0
0.0	12.5	173301.7
0.0	13.0	219357.4
0.0	13.5	257960.7
0.0	14.0	297390.7
0.0	14.5	337301.5
0.0	15.0	349525.3
0.0	15.5	315462.3
0.0	16.0	275021.7
0.0	16.5	184218.5
0.0	17.0	134329.2
0.0	17.5	94540.3
0.0	18.0	65361.7
0.0	18.5	22454.0
0.0	19.0	6264.3
0.0	19.5	1592.4
0.0	20.0	758.4
-0.8	15.0	284057.4
-0.4	15.0	326256.0
0.0	15.0	333520.0
0.4	15.0	335968.1
0.8	15.0	294247.9
0.4	13.0	208416.1
0.4	13.5	248601.4
0.4	14.0	285716.9
0.4	14.5	332619.4
0.4	15.0	328479.2
0.4	15.5	300821.5
0.4	16.0	275183.6
0.4	16.5	184328.3
0.4	17.0	132542.6

1/9/2013 10:37:47 AM aligned for analyte Mn 257.610
X viewing position set to 0.4 mm having Peak intensity 332619.4 for Axial viewing
Y viewing position set to 14.5 mm having Peak intensity 332619.4 for Axial viewing

Align View X Radial for analyte Mn 257.610

X-position	Y-position	Intensity
-7.0	15.0	1310.6
-6.5	15.0	1879.8
-6.0	15.0	2590.7
-5.5	15.0	3929.6
-5.0	15.0	6362.3
-4.5	15.0	9694.2

Analysis Begun

Start Time: 1/9/2013 10:44:30 AM
Plasma On Time: 1/9/2013 10:14:24 AM
Logged In Analyst: LAFMETALS
Technique: ICP Continuous
Spectrometer Model: Optima 7300 DV, S/N 077C0052103Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130108.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Method Loaded
Method Name: spl dan 6010B.C 200
Method Last Saved: 1/8/2013 10:52:10 AM
IEC File: dan spl.iec
MSF File:
Method Description: 6010 200.7

Sequence No.: 1
Autosampler Location: 1
Sample ID: Calib Blank
Date Collected: 1/9/2013 10:44:40 AM
Analyst:
Data Type: Original
Initial Sample Wt:
Initial Sample Vol:
Dilution:
Sample Prep Vol:
User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 10:45:06 AM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103 Autosampler Model: Cetac

Plasma On Time: 1/9/2013 10:14:24 AM
Technique: ICP Continuous

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 1
Sample ID: Calib Blank
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/9/2013 10:45:07 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Blank

Analyte	Back Pressure	Flow
All	127.0 kPa	0.65 L/min

Mean Data: Calib Blank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Yttrium	603881.5	687.16	0.11%	100.0	%
Aluminumt	865.9	49.08	5.67%	[0.00]	mg/L
Antimonyt	9.6	3.70	38.45%	[0.00]	mg/L
Arsenict	1.5	2.72	175.52%	[0.00]	mg/L
Bariumt	-56.3	7.66	13.61%	[0.00]	mg/L
Berylliumt	919.4	96.12	10.45%	[0.00]	mg/L
Boront	8.8	13.32	152.00%	[0.00]	mg/L
Cadmiumt	25.7	4.01	15.63%	[0.00]	mg/L
Chromiumt	62.8	26.20	41.74%	[0.00]	mg/L
Cobaltt	-5.3	1.36	25.48%	[0.00]	mg/L
Coppert	204.1	178.66	87.51%	[0.00]	mg/L
Lithiumt	581.0	175.94	30.28%	[0.00]	mg/L
Manganeset	173.5	20.65	11.90%	[0.00]	mg/L
Molybdenumt	9.6	9.57	100.16%	[0.00]	mg/L
Nickelt	44.4	6.16	13.88%	[0.00]	mg/L
Leadt	15.5	4.40	28.36%	[0.00]	mg/L
Seleniumt	-21.6	2.08	9.61%	[0.00]	mg/L
Silvert	-1024.9	104.35	10.18%	[0.00]	mg/L
Strontiumt	4272.0	91.43	2.14%	[0.00]	mg/L
Tint	11.3	5.40	47.68%	[0.00]	mg/L
Thalliumt	-31.9	6.36	19.94%	[0.00]	mg/L
Titaniumt	512.1	88.20	17.22%	[0.00]	mg/L
Vanadiumt	2812.2	47.51	1.69%	[0.00]	mg/L
Zinct	2.1	9.63	450.65%	[0.00]	mg/L
Sodiumt	2155.6	29.17	1.35%	[0.00]	mg/L
Magnesiumt	366.6	65.99	18.00%	[0.00]	mg/L
Iront	96.3	7.27	7.55%	[0.00]	mg/L
Calciumt	5521.3	48.28	0.87%	[0.00]	mg/L
Potassiumt	-1357.1	169.28	12.47%	[0.00]	mg/L
Aluminum radialt	137.7	19.19	13.94%	[0.00]	mg/L
Calcium radialt	165.9	20.14	12.14%	[0.00]	mg/L
Iron radialt	27.7	2.80	10.11%	[0.00]	mg/L
Magnesium radialt	34.5	3.94	11.40%	[0.00]	mg/L
Sodium radialt	-29.9	20.94	70.13%	[0.00]	mg/L
Potassium radialt	-627.9	31.75	5.06%	[0.00]	mg/L
Strontium radialt	472.9	11.10	2.35%	[0.00]	mg/L

Sequence No.: 2
Sample ID: Calib Std 1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/9/2013 10:48:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Std 1

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Yttrium	610344.0	3754.79	0.62%	101.1	%
Aluminumt	316.4	52.94	16.73%	[0.005]	mg/L
Antimonyt	3.2	2.53	80.08%	[0.005]	mg/L
Arsenict	2.4	3.58	149.68%	[0.005]	mg/L
Bariumt	104.0	9.43	9.07%	[0.005]	mg/L
Berylliumt	9156.7	209.64	2.29%	[0.005]	mg/L
Boront	61.6	16.27	26.43%	[0.005]	mg/L
Chromiumt	243.9	0.56	0.23%	[0.005]	mg/L
Cobaltt	19.2	1.04	5.41%	[0.005]	mg/L
Coppert	335.3	93.13	27.77%	[0.005]	mg/L
Lithiumt	57760.7	87.95	0.15%	[0.005]	mg/L
Manganeset	1643.2	25.20	1.53%	[0.005]	mg/L
Molybdenumt	19.5	6.15	31.64%	[0.005]	mg/L
Nickelt	14.5	3.76	25.99%	[0.005]	mg/L
Leadt	-0.5	4.07	897.45%	[0.005]	mg/L
Standard intensity and concentration values are not in the same order.					
Seleniumt	7.9	4.25	53.82%	[0.005]	mg/L
Silvert	584.8	105.75	18.08%	[0.005]	mg/L
Strontiumt	39502.1	222.57	0.56%	[0.0025]	mg/L
Tint	5.7	1.77	30.82%	[0.005]	mg/L
Thalliumt	-0.0	3.23	>999.9%	[0.005]	mg/L
Standard intensity and concentration values are not in the same order.					
Titaniumt	1918.0	126.15	6.58%	[0.005]	mg/L
Vanadiumt	357.6	50.16	14.02%	[0.005]	mg/L
Argon	4584628.4	11738.02	0.26%	[100]	mg/L
The required calibration blank has not been analyzed.					
Sodiumt	13407.0	200.92	1.50%	[0.05]	mg/L
Magnesiumt	872.1	87.35	10.02%	[0.005]	mg/L
Iront	86.0	4.04	4.70%	[0.005]	mg/L
Calciumt	841.1	83.32	9.91%	[0.005]	mg/L
Potassiumt	6105.2	128.82	2.11%	[0.05]	mg/L
Aluminum radialt	2.4	16.73	695.22%	[0.05]	mg/L
Calcium radialt	25.0	11.53	46.11%	[0.05]	mg/L
Iron radialt	2.7	2.23	83.61%	[0.05]	mg/L
Magnesium radialt	18.8	7.47	39.66%	[0.05]	mg/L
Sodium radialt	233.9	19.31	8.25%	[0.05]	mg/L
Potassium radialt	42.5	39.31	92.49%	[0.05]	mg/L
Strontium radialt	1162.2	47.97	4.13%	[0.0025]	mg/L

Sequence No.: 3
Sample ID: Calib Std 2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 1/9/2013 10:51:38 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Std 2

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Yttrium	600373.6	4000.32	0.67%	99.42	%
Aluminumt	3394.8	89.76	2.64%	[0.05]	mg/L
Antimonyt	19.8	4.00	20.22%	[0.05]	mg/L
Arsenict	33.5	0.66	1.96%	[0.05]	mg/L
Bariumt	1060.1	21.50	2.03%	[0.05]	mg/L
Berylliumt	101987.3	199.23	0.20%	[0.05]	mg/L
Boront	898.5	25.42	2.83%	[0.05]	mg/L
Cadmiumt	251.4	8.10	3.22%	[0.05]	mg/L
Chromiumt	2633.7	30.32	1.15%	[0.05]	mg/L
Cobaltt	215.7	1.78	0.83%	[0.05]	mg/L
Coppert	4508.9	253.31	5.62%	[0.05]	mg/L
Lithiumt	641404.7	3405.66	0.53%	[0.05]	mg/L
Manganeset	18387.6	200.30	1.09%	[0.05]	mg/L
Molybdenumt	215.6	9.18	4.26%	[0.05]	mg/L
Nickelt	224.9	4.69	2.09%	[0.05]	mg/L
Leadt	34.7	6.24	17.96%	[0.05]	mg/L
Standard intensity and concentration values are not in the same order.					
Seleniumt	31.2	3.42	10.95%	[0.05]	mg/L
Silvert	5929.8	138.76	2.34%	[0.05]	mg/L
Strontiumt	435352.5	1306.59	0.30%	[0.025]	mg/L
Tint	79.8	6.77	8.48%	[0.05]	mg/L
Thalliumt	50.4	4.94	9.81%	[0.05]	mg/L
Standard intensity and concentration values are not in the same order.					
Titaniumt	21074.1	376.42	1.79%	[0.05]	mg/L
Vanadiumt	3240.8	109.08	3.37%	[0.05]	mg/L
Zinct	360.5	4.37	1.21%	[0.05]	mg/L
Sodiumt	154061.4	592.04	0.38%	[0.50]	mg/L
Magnesiumt	9108.3	154.33	1.69%	[0.05]	mg/L
Iront	878.6	7.46	0.85%	[0.05]	mg/L
Calciumt	7503.3	371.38	4.95%	[0.05]	mg/L
Potassiumt	70083.4	353.11	0.50%	[0.50]	mg/L
Aluminum radialt	133.7	37.76	28.24%	[0.05]	mg/L
Standard intensity and concentration values are not in the same order.					
Calcium radialt	200.5	10.44	5.21%	[0.05]	mg/L
Standard intensity and concentration values are not in the same order.					
Iron radialt	15.8	3.09	19.52%	[0.05]	mg/L
Standard intensity and concentration values are not in the same order.					
Magnesium radialt	244.3	2.37	0.97%	[0.05]	mg/L
Standard intensity and concentration values are not in the same order.					
Sodium radialt	2235.8	111.29	4.98%	[0.50]	mg/L
Potassium radialt	519.4	95.32	18.35%	[0.50]	mg/L
Strontium radialt	13528.3	334.13	2.47%	[0.025]	mg/L

Sequence No.: 4
Sample ID: Calib Std 3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 1/9/2013 10:54:24 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Std 3

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: Calib Std 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Yttrium	607837.5	1504.09	0.25%	100.7	%
Aluminumt	6373.1	89.08	1.40%	[0.10]	mg/L
Antimonyt	41.6	5.17	12.42%	[0.10]	mg/L
Arsenict	66.7	4.29	6.44%	[0.10]	mg/L
Bariumt	1897.2	15.92	0.84%	[0.10]	mg/L
Berylliumt	184766.0	574.62	0.31%	[0.10]	mg/L
Boront	1637.9	8.09	0.49%	[0.10]	mg/L
Cadmiumt	456.3	10.92	2.39%	[0.10]	mg/L
Chromiumt	4761.7	38.25	0.80%	[0.10]	mg/L
Cobaltt	382.9	4.61	1.20%	[0.10]	mg/L
Coppert	8054.4	31.48	0.39%	[0.10]	mg/L
Lithiumt	1158908.5	2834.24	0.24%	[0.10]	mg/L
Manganeset	33189.8	260.22	0.78%	[0.10]	mg/L
Molybdenumt	371.6	8.12	2.18%	[0.10]	mg/L
Nickelt	418.8	11.84	2.83%	[0.10]	mg/L
Leadt	77.6	3.78	4.88%	[0.10]	mg/L
Standard intensity and concentration values are not in the same order.					
Seleniumt	46.6	7.80	16.76%	[0.10]	mg/L
Silvert	10696.7	203.90	1.91%	[0.10]	mg/L
Strontiumt	786698.1	1396.53	0.18%	[0.05]	mg/L
Tint	146.2	5.15	3.52%	[0.10]	mg/L
Thalliumt	98.7	8.27	8.38%	[0.10]	mg/L
Standard intensity and concentration values are not in the same order.					
Titaniumt	37893.9	427.06	1.13%	[0.10]	mg/L
Vanadiumt	5648.2	28.77	0.51%	[0.10]	mg/L
Zinct	639.9	6.35	0.99%	[0.10]	mg/L
Sodiumt	283837.4	620.53	0.22%	[1.00]	mg/L
Magnesiumt	16239.6	64.19	0.40%	[0.10]	mg/L
Iront	1575.8	17.55	1.11%	[0.10]	mg/L
Calciumt	13179.6	240.68	1.83%	[0.10]	mg/L
Potassiumt	128349.6	548.68	0.43%	[1.00]	mg/L
Aluminum radialt	233.0	61.00	26.18%	[0.10]	mg/L
Standard intensity and concentration values are not in the same order.					
Calcium radialt	337.1	23.09	6.85%	[0.10]	mg/L
Standard intensity and concentration values are not in the same order.					
Iron radialt	30.2	3.80	12.60%	[0.10]	mg/L
Standard intensity and concentration values are not in the same order.					
Magnesium radialt	424.5	10.76	2.53%	[0.10]	mg/L
Standard intensity and concentration values are not in the same order.					
Sodium radialt	4083.4	84.05	2.06%	[1.00]	mg/L
Potassium radialt	1099.0	173.98	15.83%	[1.00]	mg/L
Strontium radialt	23956.3	371.53	1.55%	[0.05]	mg/L

Sequence No.: 5
Sample ID: Calib Std 4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 1/9/2013 10:57:10 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Std 4

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: Calib Std 4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Yttrium	612659.6	1023.14	0.17%	101.5	%
Aluminumt	32655.2	512.75	1.57%	[0.5]	mg/L
Antimonyt	208.8	2.92	1.40%	[0.50]	mg/L
Arsenict	332.8	5.22	1.57%	[0.50]	mg/L
Bariumt	9738.6	148.69	1.53%	[0.50]	mg/L
Berylliumt	941795.4	4665.37	0.50%	[0.50]	mg/L
Boront	8618.7	82.99	0.96%	[0.50]	mg/L
Cadmiumt	2262.6	13.65	0.60%	[0.50]	mg/L
Chromiumt	24247.8	444.43	1.83%	[0.50]	mg/L
Cobaltt	1958.1	18.88	0.96%	[0.50]	mg/L
Coppert	40593.2	396.32	0.98%	[0.50]	mg/L
Lithiumt	5858467.2	113554.12	1.94%	[0.50]	mg/L
Manganeset	166169.7	748.90	0.45%	[0.50]	mg/L
Molybdenumt	1895.0	23.67	1.25%	[0.50]	mg/L
Nickelt	2180.0	24.61	1.13%	[0.50]	mg/L
Leadt	365.3	3.85	1.05%	[0.50]	mg/L
Standard intensity and concentration values are not in the same order.					
Seleniumt	273.2	12.44	4.55%	[0.50]	mg/L
Silvert	54602.6	688.09	1.26%	[0.50]	mg/L
Strontiumt	3964139.7	69399.25	1.75%	[0.25]	mg/L
Tint	741.9	6.03	0.81%	[0.50]	mg/L
Thalliumt	548.5	12.45	2.27%	[0.50]	mg/L
Standard intensity and concentration values are not in the same order.					
Titaniumt	191128.8	1128.69	0.59%	[0.50]	mg/L
Vanadiumt	29353.7	583.52	1.99%	[0.50]	mg/L
Zinct	3259.8	32.32	0.99%	[0.50]	mg/L
Sodiumt	1595706.6	4839.78	0.30%	[5.00]	mg/L
Magnesiumt	84173.4	1037.97	1.23%	[0.50]	mg/L
Iront	7954.7	162.02	2.04%	[0.50]	mg/L
Calciumt	76397.4	1094.45	1.43%	[0.50]	mg/L
Potassiumt	752194.2	3967.28	0.53%	[5.00]	mg/L
Aluminum radialt	1119.7	105.03	9.38%	[0.50]	mg/L
Standard intensity and concentration values are not in the same order.					
Calcium radialt	1969.5	12.62	0.64%	[0.50]	mg/L
Standard intensity and concentration values are not in the same order.					
Iron radialt	150.9	2.64	1.75%	[0.50]	mg/L
Standard intensity and concentration values are not in the same order.					
Magnesium radialt	2158.5	10.55	0.49%	[0.50]	mg/L
Standard intensity and concentration values are not in the same order.					
Sodium radialt	20350.8	393.61	1.93%	[5.00]	mg/L
Potassium radialt	5872.8	88.74	1.51%	[5.00]	mg/L
Strontium radialt	120757.8	2252.64	1.87%	[0.25]	mg/L

Sequence No.: 6
Sample ID: Calib Std 5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 1/9/2013 11:00:00 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Std 5

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: Calib Std 5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Yttrium	604360.9	13731.49	2.27%	100.1	%
Aluminumt	63886.7	1050.78	1.64%	[1.00]	mg/L
Antimonyt	420.8	6.94	1.65%	[1.00]	mg/L
Arsenict	660.4	12.31	1.86%	[1.00]	mg/L
Bariumt	18913.3	297.10	1.57%	[1.00]	mg/L
Berylliumt	1877128.7	11748.62	0.63%	[1.00]	mg/L
Boront	16970.1	244.44	1.44%	[1.00]	mg/L
Cadmiumt	4530.0	104.71	2.31%	[1.00]	mg/L
Chromiumt	47184.0	734.16	1.56%	[1.00]	mg/L
Cobaltt	3888.4	86.45	2.22%	[1.00]	mg/L
Coppert	78892.7	1358.50	1.72%	[1.00]	mg/L
Lithiumt	11362464.7	177414.54	1.56%	[1.00]	mg/L
Manganeset	326076.8	5178.63	1.59%	[1.00]	mg/L
Molybdenumt	3775.3	93.68	2.48%	[1.00]	mg/L
Nickelt	4336.6	108.81	2.51%	[1.00]	mg/L
Leadt	725.1	18.72	2.58%	[1.00]	mg/L
Standard intensity and concentration values are not in the same order.					
Seleniumt	539.0	15.74	2.92%	[1.00]	mg/L
Silvert	106268.8	1793.84	1.69%	[1.00]	mg/L
Strontiumt	7744632.6	110846.79	1.43%	[0.50]	mg/L
Tint	1495.0	35.05	2.34%	[1.00]	mg/L
Thalliumt	1080.7	17.73	1.64%	[1.00]	mg/L
Standard intensity and concentration values are not in the same order.					
Titaniumt	376433.3	5783.37	1.54%	[1.00]	mg/L
Vanadiumt	57098.4	1005.08	1.76%	[1.00]	mg/L
Zinct	6437.2	106.22	1.65%	[1.00]	mg/L
Sodiumt	3378541.6	8230.98	0.24%	[10.00]	mg/L
Magnesiumt	165469.5	2631.97	1.59%	[1.00]	mg/L
Iront	15481.1	264.34	1.71%	[1.00]	mg/L
Calciumt	132109.4	2006.26	1.52%	[1.00]	mg/L
Potassiumt	1646378.6	10732.70	0.65%	[10.00]	mg/L
Aluminum radialt	2156.5	22.37	1.04%	[1.00]	mg/L
Standard intensity and concentration values are not in the same order.					
Calcium radialt	3538.8	96.09	2.72%	[1.00]	mg/L
Standard intensity and concentration values are not in the same order.					
Iron radialt	303.0	7.54	2.49%	[1.00]	mg/L
Standard intensity and concentration values are not in the same order.					
Magnesium radialt	4361.4	98.81	2.27%	[1.00]	mg/L
Standard intensity and concentration values are not in the same order.					
Sodium radialt	40993.4	324.73	0.79%	[10.00]	mg/L
Potassium radialt	11856.0	45.69	0.39%	[10.00]	mg/L
Strontium radialt	244302.0	2206.72	0.90%	[0.50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Aluminum	5	Lin, Calc Int	108.6	64030	0.00000	0.999940	
Antimony	5	Lin, Calc Int	-0.3	420.4	0.00000	0.999984	
Arsenic	5	Lin, Calc Int	0.3	661.1	0.00000	0.999991	
Barium	5	Lin, Calc Int	57.1	18960	0.00000	0.999891	
Beryllium	5	Lin, Calc Int	1546.3	1876000	0.00000	0.999987	
Boron	5	Lin, Calc Int	4.8	17010	0.00000	0.999955	
Cadmium	4	Lin, Calc Int	8.9	4519	0.00000	0.999986	
Chromium	5	Lin, Calc Int	137.8	47280	0.00000	0.999906	

Cobalt	5	Lin, Calc Int	5.0	3888	0.00000	0.999978
Copper	5	Lin, Calc Int	262.9	79040	0.00000	0.999891
Lithium	5	Lin, Calc Int	39206.5	11390000	0.00000	0.999884
Manganese	5	Lin, Calc Int	925.4	326200	0.00000	0.999948
Molybdenum	5	Lin, Calc Int	6.0	3771	0.00000	0.999971
Nickel	5	Lin, Calc Int	-2.2	4343	0.00000	0.999986
Lead	5	Lin, Calc Int	-0.0	726.6	0.00000	0.999942
Selenium	5	Lin, Calc Int	1.1	538.7	0.00000	0.999771
Silver	5	Lin, Calc Int	312.1	106500	0.00000	0.999907
Strontium	5	Lin, Calc Int	22976.3	15510000	0.00000	0.999928
Tin	5	Lin, Calc Int	-0.5	1493	0.00000	0.999982
Thallium	5	Lin, Calc Int	-3.7	1088	0.00000	0.999927
Titanium	5	Lin, Calc Int	877.6	376500	0.00000	0.999962
Vanadium	5	Lin, Calc Int	171.2	57200	0.00000	0.999895
Zinc	4	Lin, Calc Int	16.5	6433	0.00000	0.999966
Argon	1	Lin, Calc Int	0.0	45850	0.00000	1.000000
Sodium	5	Lin, Calc Int	-25200.1	337000	0.00000	0.999604
Magnesium	5	Lin, Calc Int	275.0	165700	0.00000	0.999951
Iron	5	Lin, Calc Int	53.3	15500	0.00000	0.999906
Calcium	5	Lin, Calc Int	1189.1	134700	0.00000	0.997246
Potassium	5	Lin, Calc Int	-18154.3	163900	0.00000	0.999078
Aluminum radial	5	Lin, Calc Int	-12.3	2188	0.00000	0.998274
Calcium radial	5	Lin, Calc Int	-18.5	3636	0.00000	0.997308
Iron radial	5	Lin, Calc Int	-3.0	306.4	0.00000	0.999174
Magnesium radial	5	Lin, Calc Int	-48.1	4410	0.00000	0.998949
Sodium radial	5	Lin, Calc Int	36.2	4089	0.00000	0.999982
Potassium radial	5	Lin, Calc Int	-46.9	1189	0.00000	0.999971
Strontium radial	5	Lin, Calc Int	72.1	487300	0.00000	0.999963

Analysis Begun

Start Time: 1/9/2013 11:02:42 AM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103
Plasma On Time: 1/9/2013 10:14:24 AM
Technique: ICP Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 1
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 7
Date Collected: 1/9/2013 11:02:43 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICV

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	607476.1	100.6	%	0.22				0.22%
Aluminumt	62736.4	0.9781	mg/L	0.02022	0.9781	mg/L	0.02022	2.07%
QC value within limits for Aluminum Recovery = 97.81%								
Antimonyt	421.0	0.9848	mg/L	0.00363	0.9848	mg/L	0.00363	0.37%
QC value within limits for Antimony Recovery = 98.48%								
Arsenict	671.8	1.022	mg/L	0.0132	1.022	mg/L	0.0132	1.29%
QC value within limits for Arsenic Recovery = 102.24%								
Bariumt	18522.9	0.9741	mg/L	0.01832	0.9741	mg/L	0.01832	1.88%
QC value within limits for Barium Recovery = 97.41%								
Berylliumt	1890520.5	1.007	mg/L	0.0032	1.007	mg/L	0.0032	0.32%
QC value within limits for Beryllium Recovery = 100.67%								
Boront	16587.5	0.9745	mg/L	0.02555	0.9745	mg/L	0.02555	2.62%
QC value within limits for Boron Recovery = 97.45%								
Cadmiumt	4490.6	0.9752	mg/L	0.00975	0.9752	mg/L	0.00975	1.00%
QC value within limits for Cadmium Recovery = 97.52%								
Chromiumt	46413.9	0.9788	mg/L	0.02231	0.9788	mg/L	0.02231	2.28%
QC value within limits for Chromium Recovery = 97.88%								
Cobaltt	3829.5	0.9818	mg/L	0.00708	0.9818	mg/L	0.00708	0.72%
QC value within limits for Cobalt Recovery = 98.18%								
Coppert	77182.7	0.9733	mg/L	0.02097	0.9733	mg/L	0.02097	2.15%
QC value within limits for Copper Recovery = 97.33%								
Lithiumt	11342780.3	0.9928	mg/L	0.01366	0.9928	mg/L	0.01366	1.38%
QC value within limits for Lithium Recovery = 99.28%								
Manganeset	318465.9	0.9734	mg/L	0.02024	0.9734	mg/L	0.02024	2.08%
QC value within limits for Manganese Recovery = 97.34%								
Molybdenumt	3730.8	0.9877	mg/L	0.00366	0.9877	mg/L	0.00366	0.37%
QC value within limits for Molybdenum Recovery = 98.77%								
Nickelt	4279.8	0.9859	mg/L	0.00813	0.9859	mg/L	0.00813	0.82%
QC value within limits for Nickel Recovery = 98.59%								
Leadt	715.7	0.9851	mg/L	0.02528	0.9851	mg/L	0.02528	2.57%
QC value within limits for Lead Recovery = 98.51%								
Seleniumt	537.0	0.9950	mg/L	0.00863	0.9950	mg/L	0.00863	0.87%
QC value within limits for Selenium Recovery = 99.50%								
Silvert	104401.8	0.9849	mg/L	0.01815	0.9849	mg/L	0.01815	1.84%
QC value within limits for Silver Recovery = 98.49%								
Strontiumt	7770465.8	0.4996	mg/L	0.00504	0.4996	mg/L	0.00504	1.01%
QC value within limits for Strontium Recovery = 99.91%								
Tint	1469.4	0.9843	mg/L	0.00856	0.9843	mg/L	0.00856	0.87%
QC value within limits for Tin Recovery = 98.43%								
Thalliumt	1068.1	0.9853	mg/L	0.00401	0.9853	mg/L	0.00401	0.41%
QC value within limits for Thallium Recovery = 98.53%								
Titaniumt	365554.0	0.9685	mg/L	0.01969	0.9685	mg/L	0.01969	2.03%
QC value within limits for Titanium Recovery = 96.85%								

Vanadium†	55661.6	0.9699 mg/L	0.01932	0.9699 mg/L	0.01932	1.99%
QC value within limits for Vanadium Recovery = 96.99%						
Zinc†	6256.0	0.9699 mg/L	0.02064	0.9699 mg/L	0.02064	2.13%
QC value within limits for Zinc Recovery = 96.99%						
Argon	4617811.2	100.7 mg/L	0.32	100.7 mg/L	0.32	0.32%
Sodium†	3371831.9	10.08 mg/L	0.042	10.08 mg/L	0.042	0.41%
QC value within limits for Sodium Recovery = 100.81%						
Magnesium†	160972.3	0.9699 mg/L	0.02073	0.9699 mg/L	0.02073	2.14%
QC value within limits for Magnesium Recovery = 96.99%						
Iron†	15083.4	0.9695 mg/L	0.01790	0.9695 mg/L	0.01790	1.85%
QC value within limits for Iron Recovery = 96.95%						
Calcium†	130767.8	0.9621 mg/L	0.02231	0.9621 mg/L	0.02231	2.32%
QC value within limits for Calcium Recovery = 96.21%						
Potassium†	1630273.0	10.06 mg/L	0.028	10.06 mg/L	0.028	0.28%
QC value within limits for Potassium Recovery = 100.59%						
Aluminum radial†	2087.9	0.9600 mg/L	0.01759	0.9600 mg/L	0.01759	1.83%
QC value within limits for Aluminum radial Recovery = 96.00%						
Calcium radial†	3511.4	0.9707 mg/L	0.00447	0.9707 mg/L	0.00447	0.46%
QC value within limits for Calcium radial Recovery = 97.07%						
Iron radial†	295.6	0.9747 mg/L	0.03223	0.9747 mg/L	0.03223	3.31%
QC value within limits for Iron radial Recovery = 97.47%						
Magnesium radial†	4266.3	0.9784 mg/L	0.00640	0.9784 mg/L	0.00640	0.65%
QC value within limits for Magnesium radial Recovery = 97.84%						
Sodium radial†	40065.9	9.789 mg/L	0.0740	9.789 mg/L	0.0740	0.76%
QC value within limits for Sodium radial Recovery = 97.89%						
Potassium radial†	11655.6	9.846 mg/L	0.0984	9.846 mg/L	0.0984	1.00%
QC value within limits for Potassium radial Recovery = 98.46%						
Strontium radial†	239636.2	0.4916 mg/L	0.00394	0.4916 mg/L	0.00394	0.80%
QC value within limits for Strontium radial Recovery = 98.31%						

All analyte(s) passed QC.

User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 11:05:07 AM
Logged In Analyst: LAFMETALS
Plasma On Time: 1/9/2013 10:14:24 AM
Technique: ICP Continuous
Spectrometer Model: Optima 7300 DV, S/N 077C0052103Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 3
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 1/9/2013 11:05:08 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICB

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: ICB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	604755.8	100.1	%	1.29				1.28%
Aluminumt	93.2	-0.0002	mg/L	0.00041	-0.0002	mg/L	0.00041	168.80%
QC value within limits for Aluminum Recovery = Not calculated								
Antimonyt	-1.3	-0.0023	mg/L	0.00335	-0.0023	mg/L	0.00335	145.35%
QC value within limits for Antimony Recovery = Not calculated								
Arsenict	1.8	0.0023	mg/L	0.00994	0.0023	mg/L	0.00994	431.41%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	7.2	-0.0026	mg/L	0.00012	-0.0026	mg/L	0.00012	4.50%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	-158.0	-0.0009	mg/L	0.00001	-0.0009	mg/L	0.00001	0.97%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	20.5	0.0009	mg/L	0.00106	0.0009	mg/L	0.00106	114.10%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	1.6	-0.0017	mg/L	0.00040	-0.0017	mg/L	0.00040	23.82%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	4.7	-0.0028	mg/L	0.00009	-0.0028	mg/L	0.00009	3.34%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	-2.9	-0.0020	mg/L	0.00112	-0.0020	mg/L	0.00112	54.80%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	89.3	-0.0022	mg/L	0.00059	-0.0022	mg/L	0.00059	26.90%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	795.1	-0.0034	mg/L	0.00000	-0.0034	mg/L	0.00000	0.14%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	34.9	-0.0027	mg/L	0.00008	-0.0027	mg/L	0.00008	3.00%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-1.1	-0.0019	mg/L	0.00098	-0.0019	mg/L	0.00098	51.98%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	-11.2	-0.0021	mg/L	0.00103	-0.0021	mg/L	0.00103	50.13%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	-2.6	-0.0035	mg/L	0.01088	-0.0035	mg/L	0.01088	306.71%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	4.4	0.0063	mg/L	0.01679	0.0063	mg/L	0.01679	267.59%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	66.1	-0.0023	mg/L	0.00105	-0.0023	mg/L	0.00105	44.80%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	800.7	-0.0014	mg/L	0.00001	-0.0014	mg/L	0.00001	0.90%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-2.1	-0.0011	mg/L	0.00355	-0.0011	mg/L	0.00355	319.72%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-0.4	0.0031	mg/L	0.00897	0.0031	mg/L	0.00897	292.76%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	142.1	-0.0020	mg/L	0.00021	-0.0020	mg/L	0.00021	10.70%

QC value within limits for Titanium Recovery = Not calculated

Vanadium†	2.6	-0.0029 mg/L	0.00119	-0.0029 mg/L	0.00119	40.48%

QC value within limits for Vanadium Recovery = Not calculated

Zinc†	5.4	-0.0017 mg/L	0.00135	-0.0017 mg/L	0.00135	77.68%

QC value within limits for Zinc Recovery = Not calculated

Argon	4583948.9	99.99 mg/L	0.222	99.99 mg/L	0.222	0.22%
Sodium†	-163.2	0.0743 mg/L	0.00030	0.0743 mg/L	0.00030	0.40%

QC value within limits for Sodium Recovery = Not calculated

Magnesium†	70.3	-0.0012 mg/L	0.00039	-0.0012 mg/L	0.00039	31.32%

QC value within limits for Magnesium Recovery = Not calculated

Iron†	11.9	-0.0027 mg/L	0.00033	-0.0027 mg/L	0.00033	12.37%

QC value within limits for Iron Recovery = Not calculated

Calcium†	4188.5	0.0223 mg/L	0.00062	0.0223 mg/L	0.00062	2.77%

QC value within limits for Calcium Recovery = Not calculated

Potassium†	6.0	0.1108 mg/L	0.00129	0.1108 mg/L	0.00129	1.17%

QC value within limits for Potassium Recovery = Not calculated

Aluminum radial†	-8.6	0.0017 mg/L	0.00610	0.0017 mg/L	0.00610	365.81%

QC value within limits for Aluminum radial Recovery = Not calculated

Calcium radial†	104.5	0.0338 mg/L	0.00212	0.0338 mg/L	0.00212	6.26%

QC value within limits for Calcium radial Recovery = Not calculated

Iron radial†	-3.0	0.0001 mg/L	0.01048	0.0001 mg/L	0.01048	>999.9%

QC value within limits for Iron radial Recovery = Not calculated

Magnesium radial†	4.8	0.0120 mg/L	0.00219	0.0120 mg/L	0.00219	18.22%

QC value within limits for Magnesium radial Recovery = Not calculated

Sodium radial†	27.5	-0.0021 mg/L	0.00527	-0.0021 mg/L	0.00527	249.08%

QC value within limits for Sodium radial Recovery = Not calculated

Potassium radial†	-10.3	0.0308 mg/L	0.00944	0.0308 mg/L	0.00944	30.65%

QC value within limits for Potassium radial Recovery = Not calculated

Strontium radial†	10.5	-0.0001 mg/L	0.00002	-0.0001 mg/L	0.00002	15.79%

QC value within limits for Strontium radial Recovery = Not calculated

All analyte(s) passed QC.

User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 11:07:57 AM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103
Plasma On Time: 1/9/2013 10:14:24 AM
Technique: ICP-Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 4
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 1/9/2013 11:07:58 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	609685.4	101.0	%	0.18				0.18%
Aluminumt	31950.2	0.4973	mg/L	0.00394	0.4973	mg/L	0.00394	0.79%
QC value within limits for Aluminum Recovery = 99.45%								
Antimonyt	213.1	0.4988	mg/L	0.00815	0.4988	mg/L	0.00815	1.63%
QC value within limits for Antimony Recovery = 99.75%								
Arsenict	325.5	0.4953	mg/L	0.00671	0.4953	mg/L	0.00671	1.35%
QC value within limits for Arsenic Recovery = 99.07%								
Bariumt	9457.4	0.4959	mg/L	0.00499	0.4959	mg/L	0.00499	1.01%
QC value within limits for Barium Recovery = 99.18%								
Berylliumt	940589.3	0.5004	mg/L	0.00040	0.5004	mg/L	0.00040	0.08%
QC value within limits for Beryllium Recovery = 100.09%								
Boront	8368.0	0.4915	mg/L	0.00519	0.4915	mg/L	0.00519	1.06%
QC value within limits for Boron Recovery = 98.29%								
Cadmiumt	2252.1	0.4885	mg/L	0.00368	0.4885	mg/L	0.00368	0.75%
QC value within limits for Cadmium Recovery = 97.70%								
Chromiumt	23505.4	0.4943	mg/L	0.00767	0.4943	mg/L	0.00767	1.55%
QC value within limits for Chromium Recovery = 98.85%								
Cobaltt	1934.4	0.4953	mg/L	0.00322	0.4953	mg/L	0.00322	0.65%
QC value within limits for Cobalt Recovery = 99.05%								
Coppert	39915.0	0.5017	mg/L	0.00548	0.5017	mg/L	0.00548	1.09%
QC value within limits for Copper Recovery = 100.34%								
Lithiumt	5836335.8	0.5091	mg/L	0.00631	0.5091	mg/L	0.00631	1.24%
QC value within limits for Lithium Recovery = 101.83%								
Manganeset	162744.9	0.4960	mg/L	0.00553	0.4960	mg/L	0.00553	1.12%
QC value within limits for Manganese Recovery = 99.21%								
Molybdenumt	1873.5	0.4952	mg/L	0.00470	0.4952	mg/L	0.00470	0.95%
QC value within limits for Molybdenum Recovery = 99.04%								
Nickelt	2161.0	0.4981	mg/L	0.00064	0.4981	mg/L	0.00064	0.13%
QC value within limits for Nickel Recovery = 99.62%								
Leadt	368.0	0.5065	mg/L	0.00944	0.5065	mg/L	0.00944	1.86%
QC value within limits for Lead Recovery = 101.30%								
Seleniumt	270.3	0.4999	mg/L	0.00153	0.4999	mg/L	0.00153	0.31%
QC value within limits for Selenium Recovery = 99.97%								
Silvert	53305.5	0.5014	mg/L	0.00339	0.5014	mg/L	0.00339	0.68%
QC value within limits for Silver Recovery = 100.28%								
Strontiumt	3961246.1	0.2539	mg/L	0.00237	0.2539	mg/L	0.00237	0.93%
QC value within limits for Strontium Recovery = 101.58%								
Tint	738.9	0.4951	mg/L	0.00361	0.4951	mg/L	0.00361	0.73%
QC value within limits for Tin Recovery = 99.02%								
Thalliumt	544.6	0.5040	mg/L	0.00331	0.5040	mg/L	0.00331	0.66%
QC value within limits for Thallium Recovery = 100.80%								
Titaniumt	190603.5	0.5039	mg/L	0.00050	0.5039	mg/L	0.00050	0.10%

QC value within limits for Titanium Recovery = 100.77%

Vanadium†	28237.4	0.4905 mg/L	0.00678	0.4905 mg/L	0.00678	1.38%

QC value within limits for Vanadium Recovery = 98.11%

Zinc†	3218.0	0.4977 mg/L	0.00253	0.4977 mg/L	0.00253	0.51%

QC value within limits for Zinc Recovery = 99.53%

Argon	4578914.6	99.88 mg/L	0.207	99.88 mg/L	0.207	0.21%
Sodium†	1611678.3	4.858 mg/L	0.0180	4.858 mg/L	0.0180	0.37%

QC value within limits for Sodium Recovery = 97.15%

Magnesium†	81898.6	0.4926 mg/L	0.00457	0.4926 mg/L	0.00457	0.93%

QC value within limits for Magnesium Recovery = 98.53%

Iron†	7733.5	0.4954 mg/L	0.00101	0.4954 mg/L	0.00101	0.20%

QC value within limits for Iron Recovery = 99.08%

Calcium†	74034.1	0.5409 mg/L	0.00758	0.5409 mg/L	0.00758	1.40%

QC value within limits for Calcium Recovery = 108.17%

Potassium†	753287.1	4.708 mg/L	0.0031	4.708 mg/L	0.0031	0.07%

QC value within limits for Potassium Recovery = 94.15%

Aluminum radial†	1078.1	0.4985 mg/L	0.02555	0.4985 mg/L	0.02555	5.13%

QC value within limits for Aluminum radial Recovery = 99.69%

Calcium radial†	1988.3	0.5519 mg/L	0.00110	0.5519 mg/L	0.00110	0.20%

QC value greater than the upper limit for Calcium radial Recovery = 110.37%

Iron radial†	149.9	0.4993 mg/L	0.00873	0.4993 mg/L	0.00873	1.75%

QC value within limits for Iron radial Recovery = 99.86%

Magnesium radial†	2186.0	0.5067 mg/L	0.00325	0.5067 mg/L	0.00325	0.64%

QC value within limits for Magnesium radial Recovery = 101.33%

Sodium radial†	20314.4	4.959 mg/L	0.0295	4.959 mg/L	0.0295	0.59%

QC value within limits for Sodium radial Recovery = 99.17%

Potassium radial†	5788.6	4.910 mg/L	0.0812	4.910 mg/L	0.0812	1.65%

QC value within limits for Potassium radial Recovery = 98.19%

Strontium radial†	120837.1	0.2478 mg/L	0.00175	0.2478 mg/L	0.00175	0.70%

QC value within limits for Strontium radial Recovery = 99.12%

QC Failed. Continue with analysis.

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

Autosampler Location: 2
Date Collected: 1/9/2013 11:10:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	636605.6	105.4	%	1.78				1.69%
Aluminumt	110.6	0.0000	mg/L	0.00158	0.0000	mg/L	0.00158	>999.9%
QC value within limits for Aluminum Recovery = Not calculated								
Antimonyt	-8.9	-0.0205	mg/L	0.01979	-0.0205	mg/L	0.01979	96.65%
QC value less than the lower limit for Antimony Recovery = Not calculated								
Arsenict	-1.1	-0.0021	mg/L	0.00718	-0.0021	mg/L	0.00718	336.96%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	6.0	-0.0027	mg/L	0.00008	-0.0027	mg/L	0.00008	3.13%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	-336.4	-0.0010	mg/L	0.00004	-0.0010	mg/L	0.00004	3.75%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	-13.1	-0.0011	mg/L	0.00088	-0.0011	mg/L	0.00088	82.96%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	-3.3	-0.0027	mg/L	0.00075	-0.0027	mg/L	0.00075	28.05%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	-17.0	-0.0033	mg/L	0.00029	-0.0033	mg/L	0.00029	8.79%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	0.8	-0.0011	mg/L	0.00118	-0.0011	mg/L	0.00118	109.31%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	-63.2	-0.0041	mg/L	0.00077	-0.0041	mg/L	0.00077	18.73%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	220.4	-0.0034	mg/L	0.00000	-0.0034	mg/L	0.00000	0.11%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	-19.1	-0.0029	mg/L	0.00003	-0.0029	mg/L	0.00003	0.88%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-1.2	-0.0019	mg/L	0.00113	-0.0019	mg/L	0.00113	59.11%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	-15.9	-0.0032	mg/L	0.00116	-0.0032	mg/L	0.00116	36.81%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	-0.5	-0.0006	mg/L	0.00424	-0.0006	mg/L	0.00424	701.98%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	1.3	0.0005	mg/L	0.00969	0.0005	mg/L	0.00969	>999.9%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	111.5	-0.0019	mg/L	0.00150	-0.0019	mg/L	0.00150	77.36%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	-17.4	-0.0015	mg/L	0.00000	-0.0015	mg/L	0.00000	0.30%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-3.8	-0.0022	mg/L	0.00306	-0.0022	mg/L	0.00306	137.04%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	7.8	0.0106	mg/L	0.00510	0.0106	mg/L	0.00510	48.18%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	-127.2	-0.0027	mg/L	0.00030	-0.0027	mg/L	0.00030	11.19%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	-218.9	-0.0068	mg/L	0.00062	-0.0068	mg/L	0.00062	9.02%
QC value within limits for Vanadium Recovery = Not calculated								
Zinct	1.4	-0.0024	mg/L	0.00051	-0.0024	mg/L	0.00051	21.87%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4709741.7	102.7	mg/L	0.29	102.7	mg/L	0.29	0.28%
Sodiumt	1777.1	0.0801	mg/L	0.00039	0.0801	mg/L	0.00039	0.48%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	63.8	-0.0013	mg/L	0.00065	-0.0013	mg/L	0.00065	51.05%
QC value within limits for Magnesium Recovery = Not calculated								
Iront	1.0	-0.0034	mg/L	0.00021	-0.0034	mg/L	0.00021	6.08%
QC value within limits for Iron Recovery = Not calculated								
Calciumt	79.6	-0.0082	mg/L	0.00035	-0.0082	mg/L	0.00035	4.22%

QC value within limits for Calcium Recovery = Not calculated

Potassium†	281.2	0.1125 mg/L	0.00053	0.1125 mg/L	0.00053	0.47%

QC value within limits for Potassium Recovery = Not calculated

Aluminum radial†	138.4	0.0689 mg/L	0.11252	0.0689 mg/L	0.11252	163.35%

QC value within limits for Aluminum radial Recovery = Not calculated

Calcium radial†	601.5	0.1705 mg/L	0.28093	0.1705 mg/L	0.28093	164.77%

QC value greater than the upper limit for Calcium radial Recovery = Not calculated

Iron radial†	4.0	0.0231 mg/L	0.04324	0.0231 mg/L	0.04324	187.02%

QC value within limits for Iron radial Recovery = Not calculated

Magnesium radial†	19.7	0.0154 mg/L	0.00717	0.0154 mg/L	0.00717	46.59%

QC value within limits for Magnesium radial Recovery = Not calculated

Sodium radial†	341.4	0.0746 mg/L	0.11334	0.0746 mg/L	0.11334	151.83%

QC value within limits for Sodium radial Recovery = Not calculated

Potassium radial†	103.4	0.1264 mg/L	0.05004	0.1264 mg/L	0.05004	39.58%

QC value within limits for Potassium radial Recovery = Not calculated

Strontium radial†	290.0	0.0004 mg/L	0.00106	0.0004 mg/L	0.00106	237.02%

QC value within limits for Strontium radial Recovery = Not calculated

QC Failed. Continue with analysis.

User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 11:13:24 AM
Logged In Analyst: LAFMETALS
Plasma On Time: 1/9/2013 10:14:24 AM
Technique: ICP Continuous
Spectrometer Model: Optima 7300 DV, S/N 077C0052103Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 1
Sample ID: Calib Blank
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 1/9/2013 11:13:25 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Blank

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: Calib Blank

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Calib Units
Yttrium	595167.9	4532.53	0.76%	100.0	%
Aluminumt	909.1	87.84	9.66%	[0.00]	mg/L
Antimonyt	11.5	2.16	18.83%	[0.00]	mg/L
Arsenict	0.8	1.76	213.43%	[0.00]	mg/L
Bariumt	-44.4	11.21	25.23%	[0.00]	mg/L
Berylliumt	640.7	95.72	14.94%	[0.00]	mg/L
Boront	10.3	16.33	159.20%	[0.00]	mg/L
Cadmiumt	31.9	0.51	1.60%	[0.00]	mg/L
Chromiumt	60.2	30.50	50.66%	[0.00]	mg/L
Cobaltt	-5.2	2.18	42.25%	[0.00]	mg/L
Coppert	274.9	87.02	31.66%	[0.00]	mg/L
Lithiumt	736.7	82.40	11.18%	[0.00]	mg/L
Manganeset	174.9	10.21	5.84%	[0.00]	mg/L
Molybdenumt	18.8	8.30	44.27%	[0.00]	mg/L
Nickelt	28.5	2.59	9.10%	[0.00]	mg/L
Leadt	8.1	0.85	10.55%	[0.00]	mg/L
Seleniumt	-16.7	6.88	41.16%	[0.00]	mg/L
Silvert	-984.4	139.76	14.20%	[0.00]	mg/L
Strontiumt	4474.7	41.28	0.92%	[0.00]	mg/L
Tint	10.9	6.18	56.90%	[0.00]	mg/L
Thalliumt	-28.5	4.58	16.04%	[0.00]	mg/L
Titaniumt	454.0	70.55	15.54%	[0.00]	mg/L
Vanadiumt	2686.5	121.93	4.54%	[0.00]	mg/L
Zinct	-3.7	1.51	41.47%	[0.00]	mg/L
Sodiumt	1560.7	135.98	8.71%	[0.00]	mg/L
Magnesiumt	462.6	42.30	9.14%	[0.00]	mg/L
Iront	105.0	1.81	1.72%	[0.00]	mg/L
Calciumt	5534.8	5.68	0.10%	[0.00]	mg/L
Potassiumt	-1239.9	282.11	22.75%	[0.00]	mg/L
Aluminum radialt	141.8	10.63	7.50%	[0.00]	mg/L
Calcium radialt	161.9	18.34	11.33%	[0.00]	mg/L
Iron radialt	29.9	1.24	4.16%	[0.00]	mg/L
Magnesium radialt	32.5	0.60	1.86%	[0.00]	mg/L
Sodium radialt	-19.0	11.46	60.34%	[0.00]	mg/L
Potassium radialt	-624.4	11.31	1.81%	[0.00]	mg/L
Strontium radialt	484.8	11.94	2.46%	[0.00]	mg/L

Sequence No.: 2
Sample ID: Calib Std 1
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/9/2013 11:16:40 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Std 1

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Calib Units
Yttrium	609183.7	7862.23	1.29%	102.4	%
Aluminumt	258.5	81.67	31.60%	[0.005]	mg/L
Antimonyt	-1.8	0.75	40.99%	[0.005]	mg/L
Standard intensity and concentration values are not in the same order.					
Arsenict	4.0	1.26	31.21%	[0.005]	mg/L
Bariumt	85.5	6.71	7.86%	[0.005]	mg/L
Berylliumt	8992.3	136.01	1.51%	[0.005]	mg/L
Boront	95.1	18.97	19.94%	[0.005]	mg/L
Chromiumt	222.4	26.93	12.11%	[0.005]	mg/L
Cobaltt	17.4	4.09	23.51%	[0.005]	mg/L
Coppert	365.9	126.96	34.70%	[0.005]	mg/L
Lithiumt	55270.6	484.52	0.88%	[0.005]	mg/L
Manganeset	1600.7	32.01	2.00%	[0.005]	mg/L
Molybdenumt	17.2	5.50	31.98%	[0.005]	mg/L
Nickelt	24.1	1.23	5.09%	[0.005]	mg/L
Leadt	9.7	3.55	36.45%	[0.005]	mg/L
Seleniumt	0.3	3.23	975.70%	[0.005]	mg/L
Silvert	602.5	133.63	22.18%	[0.005]	mg/L
Strontiumt	38657.5	22.07	0.06%	[0.0025]	mg/L
Tint	2.5	3.97	156.14%	[0.005]	mg/L
Thalliumt	1.8	1.95	106.02%	[0.005]	mg/L
Titaniumt	1939.6	71.76	3.70%	[0.005]	mg/L
Vanadiumt	210.9	78.23	37.10%	[0.005]	mg/L
Argon	4578174.7	13121.97	0.29%	[100]	mg/L
The required calibration blank has not been analyzed.					
Sodiumt	13953.3	129.63	0.93%	[0.05]	mg/L
Magnesiumt	710.4	58.02	8.17%	[0.005]	mg/L
Iront	70.9	10.45	14.74%	[0.005]	mg/L
Calciumt	619.8	73.08	11.79%	[0.005]	mg/L
Potassiumt	5751.1	68.95	1.20%	[0.05]	mg/L
Aluminum radialt	11.5	19.53	169.90%	[0.05]	mg/L
Calcium radialt	13.8	2.29	16.54%	[0.05]	mg/L
Iron radialt	-1.4	2.83	196.88%	[0.05]	mg/L
Standard intensity and concentration values are not in the same order.					
Magnesium radialt	23.4	8.07	34.42%	[0.05]	mg/L
Sodium radialt	201.5	39.95	19.83%	[0.05]	mg/L
Potassium radialt	46.7	31.24	66.91%	[0.05]	mg/L
Strontium radialt	1141.7	30.63	2.68%	[0.0025]	mg/L

Sequence No.: 3
Sample ID: Calib Std 2
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 1/9/2013 11:19:54 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Std 2

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: Calib Std 2

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Calib Units
Yttrium	600606.9	5665.28	0.94%	100.9	%
Aluminumt	3299.4	70.38	2.13%	[0.05]	mg/L
Antimonyt	23.4	3.10	13.25%	[0.05]	mg/L
Standard intensity and concentration values are not in the same order.					
Arsenict	40.6	2.11	5.20%	[0.05]	mg/L
Bariumt	1037.2	17.30	1.67%	[0.05]	mg/L
Berylliumt	100730.6	320.99	0.32%	[0.05]	mg/L
Boront	901.2	27.53	3.05%	[0.05]	mg/L
Cadmiumt	244.0	3.79	1.56%	[0.05]	mg/L
Chromiumt	2556.2	28.62	1.12%	[0.05]	mg/L
Cobaltt	211.4	2.41	1.14%	[0.05]	mg/L
Coppert	4228.6	164.94	3.90%	[0.05]	mg/L
Lithiumt	617387.6	395.04	0.06%	[0.05]	mg/L
Manganeset	17657.7	295.53	1.67%	[0.05]	mg/L
Molybdenumt	201.2	6.75	3.35%	[0.05]	mg/L
Nickelt	239.2	4.38	1.83%	[0.05]	mg/L
Leadt	42.7	5.39	12.65%	[0.05]	mg/L
Seleniumt	22.2	6.96	31.37%	[0.05]	mg/L
Silvert	5662.2	152.08	2.69%	[0.05]	mg/L
Strontiumt	427074.5	213.19	0.05%	[0.025]	mg/L
Tint	77.8	5.39	6.93%	[0.05]	mg/L
Thalliumt	54.7	7.43	13.57%	[0.05]	mg/L
Titaniumt	20484.8	452.96	2.21%	[0.05]	mg/L
Vanadiumt	2984.9	80.69	2.70%	[0.05]	mg/L
Zinct	358.5	4.58	1.28%	[0.05]	mg/L
Sodiumt	156795.0	455.33	0.29%	[0.50]	mg/L
Magnesiumt	8646.3	190.52	2.20%	[0.05]	mg/L
Iront	849.2	13.75	1.62%	[0.05]	mg/L
Calciumt	7101.6	347.88	4.90%	[0.05]	mg/L
Potassiumt	66730.9	638.82	0.96%	[0.50]	mg/L
Aluminum radialt	69.8	19.75	28.30%	[0.05]	mg/L
Standard intensity and concentration values are not in the same order.					
Calcium radialt	197.3	2.38	1.20%	[0.05]	mg/L
Standard intensity and concentration values are not in the same order.					
Iron radialt	15.3	0.61	4.00%	[0.05]	mg/L
Standard intensity and concentration values are not in the same order.					
Magnesium radialt	233.6	1.97	0.84%	[0.05]	mg/L
Standard intensity and concentration values are not in the same order.					
Sodium radialt	2121.7	31.68	1.49%	[0.50]	mg/L
Potassium radialt	531.1	41.49	7.81%	[0.50]	mg/L
Strontium radialt	13262.0	335.45	2.53%	[0.025]	mg/L

Sequence No.: 4
Sample ID: Calib Std 3
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 4
Date Collected: 1/9/2013 11:22:40 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Std 3

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: Calib Std 3

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Calib Units
Yttrium	605102.0	5541.46	0.92%	101.7	%
Aluminumt	6238.7	218.26	3.50%	[0.10]	mg/L
Antimonyt	38.7	7.23	18.68%	[0.10]	mg/L
Standard intensity and concentration values are not in the same order.					
Arsenict	64.3	6.93	10.78%	[0.10]	mg/L
Bariumt	1856.8	22.17	1.19%	[0.10]	mg/L
Berylliumt	184022.7	539.80	0.29%	[0.10]	mg/L
Boront	1633.8	22.81	1.40%	[0.10]	mg/L
Cadmiumt	442.4	5.05	1.14%	[0.10]	mg/L
Chromiumt	4765.9	205.43	4.31%	[0.10]	mg/L
Cobaltt	383.3	8.95	2.34%	[0.10]	mg/L
Coppert	7888.7	204.01	2.59%	[0.10]	mg/L
Lithiumt	1130149.1	2647.52	0.23%	[0.10]	mg/L
Manganeset	33003.7	891.48	2.70%	[0.10]	mg/L
Molybdenumt	363.6	0.75	0.21%	[0.10]	mg/L
Nickelt	422.6	7.81	1.85%	[0.10]	mg/L
Leadt	77.9	4.30	5.52%	[0.10]	mg/L
Seleniumt	47.0	3.61	7.68%	[0.10]	mg/L
Silvert	10622.3	307.61	2.90%	[0.10]	mg/L
Strontiumt	779538.8	1084.18	0.14%	[0.05]	mg/L
Tint	143.2	10.62	7.42%	[0.10]	mg/L
Thalliumt	96.3	5.81	6.03%	[0.10]	mg/L
Titaniumt	37748.9	837.96	2.22%	[0.10]	mg/L
Vanadiumt	5539.3	144.68	2.61%	[0.10]	mg/L
Zinct	634.2	4.75	0.75%	[0.10]	mg/L
Sodiumt	293497.8	1108.10	0.38%	[1.00]	mg/L
Magnesiumt	15972.8	329.66	2.06%	[0.10]	mg/L
Iront	1533.6	15.94	1.04%	[0.10]	mg/L
Calciumt	13051.1	411.22	3.15%	[0.10]	mg/L
Potassiumt	123772.3	443.63	0.36%	[1.00]	mg/L
Aluminum radialt	195.4	19.44	9.95%	[0.10]	mg/L
Standard intensity and concentration values are not in the same order.					
Calcium radialt	351.7	13.89	3.95%	[0.10]	mg/L
Standard intensity and concentration values are not in the same order.					
Iron radialt	24.6	0.80	3.26%	[0.10]	mg/L
Standard intensity and concentration values are not in the same order.					
Magnesium radialt	434.1	8.89	2.05%	[0.10]	mg/L
Standard intensity and concentration values are not in the same order.					
Sodium radialt	3989.7	84.36	2.11%	[1.00]	mg/L
Potassium radialt	1160.6	97.08	8.36%	[1.00]	mg/L
Strontium radialt	24105.5	259.52	1.08%	[0.05]	mg/L

Sequence No.: 5
Sample ID: Calib Std 4
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 1/9/2013 11:25:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Std 4

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: Calib Std 4

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Calib Units
Yttrium	601021.2	5781.39	0.96%	101.0	%
Aluminumt	31446.9	433.46	1.38%	[0.5]	mg/L
Antimonyt	202.7	3.25	1.60%	[0.50]	mg/L
Standard intensity and concentration values are not in the same order.					
Arsenict	330.1	4.07	1.23%	[0.50]	mg/L
Bariumt	9302.5	107.98	1.16%	[0.50]	mg/L
Berylliumt	934204.0	3576.38	0.38%	[0.50]	mg/L
Boront	8474.9	160.04	1.89%	[0.50]	mg/L
Cadmiumt	2227.4	29.78	1.34%	[0.50]	mg/L
Chromiumt	23358.6	221.00	0.95%	[0.50]	mg/L
Cobaltt	1926.0	16.35	0.85%	[0.50]	mg/L
Coppert	39445.3	495.09	1.26%	[0.50]	mg/L
Lithiumt	5659924.6	109484.08	1.93%	[0.50]	mg/L
Manganeset	161674.9	1639.07	1.01%	[0.50]	mg/L
Molybdenumt	1861.2	29.82	1.60%	[0.50]	mg/L
Nickelt	2163.3	22.88	1.06%	[0.50]	mg/L
Leadt	376.2	5.74	1.53%	[0.50]	mg/L
Seleniumt	259.4	8.02	3.09%	[0.50]	mg/L
Silvert	52865.4	683.74	1.29%	[0.50]	mg/L
Strontiumt	3887219.5	69321.73	1.78%	[0.25]	mg/L
Tint	725.6	20.09	2.77%	[0.50]	mg/L
Thalliumt	529.5	7.29	1.38%	[0.50]	mg/L
Titaniumt	188891.4	794.10	0.42%	[0.50]	mg/L
Vanadiumt	28098.7	369.73	1.32%	[0.50]	mg/L
Zinct	3231.0	26.52	0.82%	[0.50]	mg/L
Sodiumt	1632961.4	5716.89	0.35%	[5.00]	mg/L
Magnesiumt	81365.2	867.67	1.07%	[0.50]	mg/L
Iront	7704.1	74.95	0.97%	[0.50]	mg/L
Calciumt	73349.1	884.94	1.21%	[0.50]	mg/L
Potassiumt	732289.8	3395.29	0.46%	[5.00]	mg/L
Aluminum radialt	1034.8	22.26	2.15%	[0.50]	mg/L
Standard intensity and concentration values are not in the same order.					
Calcium radialt	2014.4	22.54	1.12%	[0.50]	mg/L
Standard intensity and concentration values are not in the same order.					
Iron radialt	151.9	2.31	1.52%	[0.50]	mg/L
Standard intensity and concentration values are not in the same order.					
Magnesium radialt	2184.6	16.02	0.73%	[0.50]	mg/L
Standard intensity and concentration values are not in the same order.					
Sodium radialt	20010.4	230.05	1.15%	[5.00]	mg/L
Potassium radialt	5690.6	97.76	1.72%	[5.00]	mg/L
Strontium radialt	120507.5	884.86	0.73%	[0.25]	mg/L

Sequence No.: 6
Sample ID: Calib Std 5
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 1/9/2013 11:28:16 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: Calib Std 5

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: Calib Std 5

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Calib Conc.	Units
Yttrium	597076.7	5684.60	0.95%	100.3	%
Aluminumt	62589.7	256.35	0.41%	[1.00]	mg/L
Antimonyt	410.4	8.41	2.05%	[1.00]	mg/L
Standard intensity and concentration values are not in the same order.					
Arsenict	663.3	3.32	0.50%	[1.00]	mg/L
Bariumt	18759.5	245.51	1.31%	[1.00]	mg/L
Berylliumt	1868905.0	2425.78	0.13%	[1.00]	mg/L
Boront	17111.9	258.57	1.51%	[1.00]	mg/L
Cadmiumt	4444.6	19.76	0.44%	[1.00]	mg/L
Chromiumt	46838.4	456.41	0.97%	[1.00]	mg/L
Cobaltt	3833.3	27.59	0.72%	[1.00]	mg/L
Coppert	78513.3	658.59	0.84%	[1.00]	mg/L
Lithiumt	11202378.7	180490.39	1.61%	[1.00]	mg/L
Manganeset	325403.6	531.41	0.16%	[1.00]	mg/L
Molybdenumt	3676.4	27.25	0.74%	[1.00]	mg/L
Nickelt	4281.8	22.56	0.53%	[1.00]	mg/L
Leadt	732.4	12.95	1.77%	[1.00]	mg/L
Seleniumt	522.7	4.02	0.77%	[1.00]	mg/L
Silvert	105478.5	1031.69	0.98%	[1.00]	mg/L
Strontiumt	7693458.4	113799.94	1.48%	[0.50]	mg/L
Tint	1467.5	19.12	1.30%	[1.00]	mg/L
Thalliumt	1063.5	10.96	1.03%	[1.00]	mg/L
Titaniumt	377422.2	263.38	0.07%	[1.00]	mg/L
Vanadiumt	56696.1	478.39	0.84%	[1.00]	mg/L
Zinct	6448.3	68.40	1.06%	[1.00]	mg/L
Sodiumt	3524414.5	47750.01	1.35%	[10.00]	mg/L
Magnesiumt	163259.9	1639.90	1.00%	[1.00]	mg/L
Iront	15411.6	168.36	1.09%	[1.00]	mg/L
Calciumt	129261.1	1411.06	1.09%	[1.00]	mg/L
Potassiumt	1602567.5	9125.74	0.57%	[10.00]	mg/L
Aluminum radialt	2140.1	46.45	2.17%	[1.00]	mg/L
Standard intensity and concentration values are not in the same order.					
Calcium radialt	3534.4	24.79	0.70%	[1.00]	mg/L
Standard intensity and concentration values are not in the same order.					
Iron radialt	298.3	2.63	0.88%	[1.00]	mg/L
Standard intensity and concentration values are not in the same order.					
Magnesium radialt	4309.3	28.93	0.67%	[1.00]	mg/L
Standard intensity and concentration values are not in the same order.					
Sodium radialt	40499.0	382.62	0.94%	[10.00]	mg/L
Potassium radialt	11818.4	188.22	1.59%	[10.00]	mg/L
Strontium radialt	244147.6	3058.71	1.25%	[0.50]	mg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
Aluminum	5	Lin, Calc Int	36.4	62610	0.00000	0.999993	
Antimony	5	Lin, Calc Int	-1.1	410.7	0.00000	0.999892	
Arsenic	5	Lin, Calc Int	1.4	661.0	0.00000	0.999922	
Barium	5	Lin, Calc Int	10.7	18720	0.00000	0.999974	
Beryllium	5	Lin, Calc Int	1013.0	1868000	0.00000	0.999990	
Boron	5	Lin, Calc Int	-11.2	17090	0.00000	0.999973	
Cadmium	4	Lin, Calc Int	7.1	4438	0.00000	0.999988	
Chromium	5	Lin, Calc Int	62.4	46750	0.00000	0.999988	
Cobalt	5	Lin, Calc Int	5.2	3831	0.00000	0.999985	

Copper	5	Lin, Calc Int	92.4	78480	0.00000	0.999991
Lithium	5	Lin, Calc Int	21310.2	11200000	0.00000	0.999979
Manganese	5	Lin, Calc Int	344.4	324600	0.00000	0.999985
Molybdenum	5	Lin, Calc Int	5.1	3679	0.00000	0.999971
Nickel	5	Lin, Calc Int	7.6	4281	0.00000	0.999972
Lead	5	Lin, Calc Int	5.0	730.5	0.00000	0.999915
Selenium	5	Lin, Calc Int	-2.9	525.1	0.00000	0.999961
Silver	5	Lin, Calc Int	142.4	105400	0.00000	0.999995
Strontium	5	Lin, Calc Int	16347.6	15380000	0.00000	0.999978
Tin	5	Lin, Calc Int	-1.7	1466	0.00000	0.999972
Thallium	5	Lin, Calc Int	-3.0	1066	0.00000	0.999955
Titanium	5	Lin, Calc Int	425.0	377000	0.00000	0.999992
Vanadium	5	Lin, Calc Int	-34.2	56640	0.00000	0.999983
Zinc	4	Lin, Calc Int	9.4	6439	0.00000	0.999980
Argon	1	Lin, Calc Int	0.0	45780	0.00000	1.000000
Sodium	5	Lin, Calc Int	-30687.2	350800	0.00000	0.999350
Magnesium	5	Lin, Calc Int	-13.5	163200	0.00000	0.999990
Iron	5	Lin, Calc Int	15.7	15390	0.00000	0.999986
Calcium	5	Lin, Calc Int	961.5	131500	0.00000	0.997942
Potassium	5	Lin, Calc Int	-18337.2	159600	0.00000	0.999077
Aluminum radial	5	Lin, Calc Int	-40.8	2174	0.00000	0.999274
Calcium radial	5	Lin, Calc Int	-14.3	3646	0.00000	0.996341
Iron radial	5	Lin, Calc Int	-5.0	305.1	0.00000	0.998559
Magnesium radial	5	Lin, Calc Int	-40.3	4369	0.00000	0.998930
Sodium radial	5	Lin, Calc Int	-11.8	4042	0.00000	0.999978
Potassium radial	5	Lin, Calc Int	-42.3	1178	0.00000	0.999845
Strontium radial	5	Lin, Calc Int	25.7	487000	0.00000	0.999966

Analysis Begun

Start Time: 1/9/2013 11:34:10 AM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103
Plasma On Time: 1/9/2013 10:14:24 AM
Technique: ICP Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 1
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 7
Date Collected: 1/9/2013 11:34:11 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICV

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: ICV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	591262.7	99.34	%	0.804				0.81%
Aluminum†	62386.3	0.9959	mg/L	0.00290	0.9959	mg/L	0.00290	0.29%
QC value within limits for Aluminum Recovery = 99.59%								
Antimony†	420.2	1.008	mg/L	0.0040	1.008	mg/L	0.0040	0.39%
QC value within limits for Antimony Recovery = 100.78%								
Arsenic†	670.4	1.019	mg/L	0.0075	1.019	mg/L	0.0075	0.74%
QC value within limits for Arsenic Recovery = 101.89%								
Barium†	18960.4	1.012	mg/L	0.0156	1.012	mg/L	0.0156	1.54%
QC value within limits for Barium Recovery = 101.24%								
Beryllium†	1890696.5	1.012	mg/L	0.0066	1.012	mg/L	0.0066	0.65%
QC value within limits for Beryllium Recovery = 101.19%								
Boron†	17112.2	1.002	mg/L	0.0116	1.002	mg/L	0.0116	1.16%
QC value within limits for Boron Recovery = 100.18%								
Cadmium†	4491.0	0.9939	mg/L	0.00276	0.9939	mg/L	0.00276	0.28%
QC value within limits for Cadmium Recovery = 99.39%								
Chromium†	47448.0	1.014	mg/L	0.0092	1.014	mg/L	0.0092	0.91%
QC value within limits for Chromium Recovery = 101.36%								
Cobalt†	3858.4	1.004	mg/L	0.0029	1.004	mg/L	0.0029	0.29%
QC value within limits for Cobalt Recovery = 100.38%								
Copper†	78422.1	0.9981	mg/L	0.00863	0.9981	mg/L	0.00863	0.86%
QC value within limits for Copper Recovery = 99.81%								
Lithium†	11326078.6	1.009	mg/L	0.0115	1.009	mg/L	0.0115	1.14%
QC value within limits for Lithium Recovery = 100.93%								
Manganese†	325548.6	1.002	mg/L	0.0060	1.002	mg/L	0.0060	0.60%
QC value within limits for Manganese Recovery = 100.17%								
Molybdenum†	3728.1	1.012	mg/L	0.0030	1.012	mg/L	0.0030	0.29%
QC value within limits for Molybdenum Recovery = 101.19%								
Nickel†	4325.8	1.009	mg/L	0.0043	1.009	mg/L	0.0043	0.42%
QC value within limits for Nickel Recovery = 100.87%								
Lead†	730.3	0.9930	mg/L	0.01149	0.9930	mg/L	0.01149	1.16%
QC value within limits for Lead Recovery = 99.30%								
Selenium†	528.3	1.012	mg/L	0.0117	1.012	mg/L	0.0117	1.15%
QC value within limits for Selenium Recovery = 101.18%								
Silver†	105918.6	1.011	mg/L	0.0115	1.011	mg/L	0.0115	1.14%
QC value within limits for Silver Recovery = 101.15%								
Strontium†	7832487.5	0.5081	mg/L	0.00464	0.5081	mg/L	0.00464	0.91%
QC value within limits for Strontium Recovery = 101.63%								
Tin†	1475.4	1.007	mg/L	0.0031	1.007	mg/L	0.0031	0.31%
QC value within limits for Tin Recovery = 100.73%								
Thallium†	1067.9	1.005	mg/L	0.0038	1.005	mg/L	0.0038	0.38%
QC value within limits for Thallium Recovery = 100.47%								
Titanium†	373888.3	0.9906	mg/L	0.00647	0.9906	mg/L	0.00647	0.65%
QC value within limits for Titanium Recovery = 99.06%								

Vanadium†	57102.8	1.009 mg/L	0.0116	1.009 mg/L	0.0116	1.15%
QC value within limits for Vanadium Recovery = 100.86%						
Zinc†	6521.2	1.011 mg/L	0.0076	1.011 mg/L	0.0076	0.75%
QC value within limits for Zinc Recovery = 101.13%						
Argon	4657393.0	101.7 mg/L	0.31	101.7 mg/L	0.31	0.30%
Sodium†	3569104.6	10.26 mg/L	0.081	10.26 mg/L	0.081	0.79%
QC value within limits for Sodium Recovery = 102.62%						
Magnesium†	163165.7	1.000 mg/L	0.0101	1.000 mg/L	0.0101	1.01%
QC value within limits for Magnesium Recovery = 100.01%						
Iron†	15565.5	1.010 mg/L	0.0105	1.010 mg/L	0.0105	1.04%
QC value within limits for Iron Recovery = 101.02%						
Calcium†	132091.9	0.9973 mg/L	0.01147	0.9973 mg/L	0.01147	1.15%
QC value within limits for Calcium Recovery = 99.73%						
Potassium†	1584534.5	10.04 mg/L	0.043	10.04 mg/L	0.043	0.42%
QC value within limits for Potassium Recovery = 100.44%						
Aluminum radial†	2103.1	0.9860 mg/L	0.02811	0.9860 mg/L	0.02811	2.85%
QC value within limits for Aluminum radial Recovery = 98.60%						
Calcium radial†	3634.5	1.001 mg/L	0.0086	1.001 mg/L	0.0086	0.85%
QC value within limits for Calcium radial Recovery = 100.09%						
Iron radial†	301.8	1.006 mg/L	0.0080	1.006 mg/L	0.0080	0.80%
QC value within limits for Iron radial Recovery = 100.55%						
Magnesium radial†	4320.2	0.9981 mg/L	0.00521	0.9981 mg/L	0.00521	0.52%
QC value within limits for Magnesium radial Recovery = 99.81%						
Sodium radial†	40171.1	9.942 mg/L	0.1080	9.942 mg/L	0.1080	1.09%
QC value within limits for Sodium radial Recovery = 99.42%						
Potassium radial†	11842.2	10.09 mg/L	0.102	10.09 mg/L	0.102	1.01%
QC value within limits for Potassium radial Recovery = 100.86%						
Strontium radial†	244486.1	0.5020 mg/L	0.00465	0.5020 mg/L	0.00465	0.93%
QC value within limits for Strontium radial Recovery = 100.39%						

All analyte(s) passed QC.

User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 11:38:54 AM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103
Plasma On Time: 1/9/2013 10:14:24 AM
Technique: ICP Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 1
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 7
Date Collected: 1/9/2013 11:38:55 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:
User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 11:39:26 AM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103
Plasma On Time: 1/9/2013 10:14:24 AM
Technique: ICP Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 3
Sample ID: ICB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 1/9/2013 11:39:26 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICB

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: ICB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	597881.5	100.5	%	0.76				0.76%
Aluminum†	80.3	0.0007	mg/L	0.00164	0.0007	mg/L	0.00164	234.85%
QC value within limits for Aluminum Recovery = Not calculated								
Antimony†	-5.3	-0.0103	mg/L	0.01980	-0.0103	mg/L	0.01980	192.77%
QC value within limits for Antimony Recovery = Not calculated								
Arsenic†	-1.4	-0.0042	mg/L	0.00965	-0.0042	mg/L	0.00965	229.71%
QC value within limits for Arsenic Recovery = Not calculated								
Barium†	0.1	-0.0006	mg/L	0.00011	-0.0006	mg/L	0.00011	18.48%
QC value within limits for Barium Recovery = Not calculated								
Beryllium†	139.5	-0.0005	mg/L	0.00008	-0.0005	mg/L	0.00008	16.72%
QC value within limits for Beryllium Recovery = Not calculated								
Boron†	13.8	0.0015	mg/L	0.00093	0.0015	mg/L	0.00093	63.64%
QC value within limits for Boron Recovery = Not calculated								
Cadmium†	-3.0	-0.0022	mg/L	0.00130	-0.0022	mg/L	0.00130	58.91%
QC value within limits for Cadmium Recovery = Not calculated								
Chromium†	-8.5	-0.0015	mg/L	0.00032	-0.0015	mg/L	0.00032	21.12%
QC value within limits for Chromium Recovery = Not calculated								
Cobalt†	-0.4	-0.0014	mg/L	0.00153	-0.0014	mg/L	0.00153	106.14%
QC value within limits for Cobalt Recovery = Not calculated								
Copper†	55.6	-0.0005	mg/L	0.00279	-0.0005	mg/L	0.00279	597.34%
QC value within limits for Copper Recovery = Not calculated								
Lithium†	171.9	-0.0019	mg/L	0.00000	-0.0019	mg/L	0.00000	0.19%
QC value within limits for Lithium Recovery = Not calculated								

Manganese†	6.6	-0.0010 mg/L	0.00007	-0.0010 mg/L	0.00007	6.89%
QC value within limits for Manganese Recovery = Not calculated						
Molybdenum†	-10.5	-0.0042 mg/L	0.00054	-0.0042 mg/L	0.00054	12.80%
QC value within limits for Molybdenum Recovery = Not calculated						
Nickel†	4.8	-0.0006 mg/L	0.00164	-0.0006 mg/L	0.00164	254.42%
QC value within limits for Nickel Recovery = Not calculated						
Lead†	7.3	0.0031 mg/L	0.00773	0.0031 mg/L	0.00773	249.08%
QC value within limits for Lead Recovery = Not calculated						
Selenium†	0.1	0.0057 mg/L	0.01290	0.0057 mg/L	0.01290	225.67%
QC value within limits for Selenium Recovery = Not calculated						
Silver†	-80.2	-0.0021 mg/L	0.00143	-0.0021 mg/L	0.00143	66.92%
QC value within limits for Silver Recovery = Not calculated						
Strontium†	373.7	-0.0010 mg/L	0.00001	-0.0010 mg/L	0.00001	0.55%
QC value within limits for Strontium Recovery = Not calculated						
Tin†	-4.9	-0.0022 mg/L	0.00106	-0.0022 mg/L	0.00106	48.72%
QC value within limits for Tin Recovery = Not calculated						
Thallium†	-9.7	-0.0063 mg/L	0.00912	-0.0063 mg/L	0.00912	144.44%
QC value within limits for Thallium Recovery = Not calculated						
Titanium†	44.6	-0.0010 mg/L	0.00017	-0.0010 mg/L	0.00017	17.07%
QC value within limits for Titanium Recovery = Not calculated						
Vanadium†	-183.3	-0.0026 mg/L	0.00054	-0.0026 mg/L	0.00054	20.47%
QC value within limits for Vanadium Recovery = Not calculated						
Zinc†	6.3	-0.0005 mg/L	0.00038	-0.0005 mg/L	0.00038	79.47%
QC value within limits for Zinc Recovery = Not calculated						
Argon	4603585.0	100.6 mg/L	0.52	100.6 mg/L	0.52	0.51%
Sodium†	363.7	0.0885 mg/L	0.00020	0.0885 mg/L	0.00020	0.23%
QC value within limits for Sodium Recovery = Not calculated						
Magnesium†	13.4	0.0002 mg/L	0.00008	0.0002 mg/L	0.00008	49.81%
QC value within limits for Magnesium Recovery = Not calculated						
Iron†	1.3	-0.0009 mg/L	0.00053	-0.0009 mg/L	0.00053	56.29%
QC value within limits for Iron Recovery = Not calculated						
Calcium†	5620.6	0.0354 mg/L	0.00044	0.0354 mg/L	0.00044	1.23%
QC value within limits for Calcium Recovery = Not calculated						
Potassium†	104.6	0.1156 mg/L	0.00174	0.1156 mg/L	0.00174	1.50%
QC value within limits for Potassium Recovery = Not calculated						
Aluminum radial†	7.5	0.0222 mg/L	0.00846	0.0222 mg/L	0.00846	38.12%
QC value within limits for Aluminum radial Recovery = Not calculated						
Calcium radial†	158.6	0.0474 mg/L	0.00306	0.0474 mg/L	0.00306	6.44%
QC value within limits for Calcium radial Recovery = Not calculated						
Iron radial†	-2.0	0.0096 mg/L	0.00624	0.0096 mg/L	0.00624	64.94%
QC value within limits for Iron radial Recovery = Not calculated						
Magnesium radial†	4.3	0.0102 mg/L	0.00044	0.0102 mg/L	0.00044	4.27%
QC value within limits for Magnesium radial Recovery = Not calculated						
Sodium radial†	-7.1	0.0012 mg/L	0.00310	0.0012 mg/L	0.00310	266.33%
QC value within limits for Sodium radial Recovery = Not calculated						
Potassium radial†	2.0	0.0376 mg/L	0.01476	0.0376 mg/L	0.01476	39.24%
QC value within limits for Potassium radial Recovery = Not calculated						
Strontium radial†	-5.2	-0.0001 mg/L	0.00001	-0.0001 mg/L	0.00001	23.39%
QC value within limits for Strontium radial Recovery = Not calculated						

All analyte(s) passed QC.

User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 11:41:50 AM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103
Plasma On Time: 1/9/2013 10:14:24 AM
Technique: ICP Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 4
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 1/9/2013 11:41:51 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	603629.5	101.4	%	0.66				0.65%
Aluminum†	31832.5	0.5079	mg/L	0.01160	0.5079	mg/L	0.01160	2.28%
QC value within limits for Aluminum Recovery = 101.57%								
Antimony†	202.8	0.4875	mg/L	0.01087	0.4875	mg/L	0.01087	2.23%
QC value within limits for Antimony Recovery = 97.50%								
Arsenic†	327.4	0.4965	mg/L	0.01840	0.4965	mg/L	0.01840	3.71%
QC value within limits for Arsenic Recovery = 99.31%								
Barium†	9410.1	0.5022	mg/L	0.00500	0.5022	mg/L	0.00500	1.00%
QC value within limits for Barium Recovery = 100.43%								
Beryllium†	938731.1	0.5021	mg/L	0.00071	0.5021	mg/L	0.00071	0.14%
QC value within limits for Beryllium Recovery = 100.42%								
Boron†	8553.3	0.5011	mg/L	0.00730	0.5011	mg/L	0.00730	1.46%
QC value within limits for Boron Recovery = 100.21%								
Cadmium†	2220.7	0.4908	mg/L	0.00335	0.4908	mg/L	0.00335	0.68%
QC value within limits for Cadmium Recovery = 98.16%								
Chromium†	23653.0	0.5046	mg/L	0.00980	0.5046	mg/L	0.00980	1.94%
QC value within limits for Chromium Recovery = 100.93%								
Cobalt†	1918.3	0.4984	mg/L	0.00118	0.4984	mg/L	0.00118	0.24%
QC value within limits for Cobalt Recovery = 99.67%								
Copper†	39946.4	0.5078	mg/L	0.00941	0.5078	mg/L	0.00941	1.85%
QC value within limits for Copper Recovery = 101.57%								
Lithium†	5732998.5	0.5099	mg/L	0.00872	0.5099	mg/L	0.00872	1.71%
QC value within limits for Lithium Recovery = 101.99%								
Manganese†	163971.9	0.5040	mg/L	0.00835	0.5040	mg/L	0.00835	1.66%
QC value within limits for Manganese Recovery = 100.81%								
Molybdenum†	1841.9	0.4992	mg/L	0.00404	0.4992	mg/L	0.00404	0.81%
QC value within limits for Molybdenum Recovery = 99.85%								
Nickel†	2143.2	0.4989	mg/L	0.00332	0.4989	mg/L	0.00332	0.67%
QC value within limits for Nickel Recovery = 99.77%								
Lead†	361.9	0.4886	mg/L	0.00342	0.4886	mg/L	0.00342	0.70%
QC value within limits for Lead Recovery = 97.72%								
Selenium†	260.6	0.5020	mg/L	0.01501	0.5020	mg/L	0.01501	2.99%
QC value within limits for Selenium Recovery = 100.40%								
Silver†	53650.0	0.5116	mg/L	0.00538	0.5116	mg/L	0.00538	1.05%
QC value within limits for Silver Recovery = 102.32%								
Strontium†	3913673.9	0.2534	mg/L	0.00389	0.2534	mg/L	0.00389	1.53%
QC value within limits for Strontium Recovery = 101.35%								
Tin†	724.1	0.4949	mg/L	0.01005	0.4949	mg/L	0.01005	2.03%
QC value within limits for Tin Recovery = 98.99%								
Thallium†	524.6	0.4950	mg/L	0.00572	0.4950	mg/L	0.00572	1.16%
QC value within limits for Thallium Recovery = 99.00%								
Titanium†	189508.0	0.5015	mg/L	0.00027	0.5015	mg/L	0.00027	0.05%

QC value within limits for Titanium Recovery = 100.31%

Vanadium†	28510.1	0.5039 mg/L	0.00767	0.5039 mg/L	0.00767	1.52%

QC value within limits for Vanadium Recovery = 100.78%

Zinc†	3214.4	0.4977 mg/L	0.00296	0.4977 mg/L	0.00296	0.60%

QC value within limits for Zinc Recovery = 99.54%

Argon	4608665.2	100.7 mg/L	0.31	100.7 mg/L	0.31	0.31%
Sodium†	1652907.5	4.799 mg/L	0.0199	4.799 mg/L	0.0199	0.41%

QC value within limits for Sodium Recovery = 95.99%

Magnesium†	82377.2	0.5050 mg/L	0.00799	0.5050 mg/L	0.00799	1.58%

QC value within limits for Magnesium Recovery = 100.99%

Iron†	7767.2	0.5036 mg/L	0.00511	0.5036 mg/L	0.00511	1.01%

QC value within limits for Iron Recovery = 100.72%

Calcium†	74366.3	0.5583 mg/L	0.01027	0.5583 mg/L	0.01027	1.84%

QC value greater than the upper limit for Calcium Recovery = 111.65%

Potassium†	730186.0	4.690 mg/L	0.0066	4.690 mg/L	0.0066	0.14%

QC value within limits for Potassium Recovery = 93.81%

Aluminum radial†	1049.5	0.5015 mg/L	0.01979	0.5015 mg/L	0.01979	3.95%

QC value within limits for Aluminum radial Recovery = 100.29%

Calcium radial†	2021.4	0.5584 mg/L	0.00343	0.5584 mg/L	0.00343	0.62%

QC value greater than the upper limit for Calcium radial Recovery = 111.68%

Iron radial†	149.4	0.5061 mg/L	0.00521	0.5061 mg/L	0.00521	1.03%

QC value within limits for Iron radial Recovery = 101.22%

Magnesium radial†	2185.1	0.5094 mg/L	0.00253	0.5094 mg/L	0.00253	0.50%

QC value within limits for Magnesium radial Recovery = 101.88%

Sodium radial†	20111.9	4.979 mg/L	0.0293	4.979 mg/L	0.0293	0.59%

QC value within limits for Sodium radial Recovery = 99.58%

Potassium radial†	5763.5	4.927 mg/L	0.0745	4.927 mg/L	0.0745	1.51%

QC value within limits for Potassium radial Recovery = 98.54%

Strontium radial†	120686.5	0.2478 mg/L	0.00110	0.2478 mg/L	0.00110	0.44%

QC value within limits for Strontium radial Recovery = 99.10%

QC Failed. Continue with analysis.

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

Autosampler Location: 2
Date Collected: 1/9/2013 11:44:50 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 11:51:13 AM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103

Plasma On Time: 1/9/2013 10:14:24 AM
Technique: ICP Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

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

Autosampler Location: 1
Date Collected: 1/9/2013 11:51:14 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	593732.8	99.76	%	1.013				1.02%
Aluminum†	31542.7	0.5032	mg/L	0.00545	0.5032	mg/L	0.00545	1.08%
QC value within limits for Aluminum Recovery = 100.65%								
Antimony†	211.1	0.5076	mg/L	0.00638	0.5076	mg/L	0.00638	1.26%
QC value within limits for Antimony Recovery = 101.52%								
Arsenic†	332.6	0.5045	mg/L	0.00857	0.5045	mg/L	0.00857	1.70%
QC value within limits for Arsenic Recovery = 100.90%								
Barium†	9454.8	0.5045	mg/L	0.00732	0.5045	mg/L	0.00732	1.45%
QC value within limits for Barium Recovery = 100.91%								
Beryllium†	939544.6	0.5025	mg/L	0.00178	0.5025	mg/L	0.00178	0.35%
QC value within limits for Beryllium Recovery = 100.51%								
Boron†	8629.9	0.5055	mg/L	0.00607	0.5055	mg/L	0.00607	1.20%
QC value within limits for Boron Recovery = 101.11%								
Cadmium†	2261.1	0.4998	mg/L	0.00340	0.4998	mg/L	0.00340	0.68%
QC value within limits for Cadmium Recovery = 99.96%								
Chromium†	23596.5	0.5034	mg/L	0.00671	0.5034	mg/L	0.00671	1.33%
QC value within limits for Chromium Recovery = 100.69%								
Cobalt†	1953.4	0.5075	mg/L	0.00485	0.5075	mg/L	0.00485	0.96%
QC value within limits for Cobalt Recovery = 101.51%								
Copper†	39672.7	0.5044	mg/L	0.00504	0.5044	mg/L	0.00504	1.00%
QC value within limits for Copper Recovery = 100.87%								
Lithium†	5682883.0	0.5055	mg/L	0.00512	0.5055	mg/L	0.00512	1.01%
QC value within limits for Lithium Recovery = 101.09%								
Manganese†	163802.5	0.5035	mg/L	0.00658	0.5035	mg/L	0.00658	1.31%
QC value within limits for Manganese Recovery = 100.70%								
Molybdenum†	1862.8	0.5049	mg/L	0.00153	0.5049	mg/L	0.00153	0.30%
QC value within limits for Molybdenum Recovery = 100.98%								
Nickel†	2185.1	0.5086	mg/L	0.00353	0.5086	mg/L	0.00353	0.69%
QC value within limits for Nickel Recovery = 101.73%								
Lead†	369.3	0.4988	mg/L	0.00666	0.4988	mg/L	0.00666	1.33%

QC value within limits for Lead Recovery = 99.75%

Seleniumt	270.6	0.5211 mg/L	0.01758	0.5211 mg/L	0.01758	3.37%

QC value within limits for Selenium Recovery = 104.21%

Silvert	53537.7	0.5105 mg/L	0.00778	0.5105 mg/L	0.00778	1.52%

QC value within limits for Silver Recovery = 102.11%

Strontiumt	3913217.9	0.2533 mg/L	0.00296	0.2533 mg/L	0.00296	1.17%

QC value within limits for Strontium Recovery = 101.34%

Tint	731.0	0.4997 mg/L	0.00659	0.4997 mg/L	0.00659	1.32%

QC value within limits for Tin Recovery = 99.93%

Thalliumt	528.8	0.4990 mg/L	0.00639	0.4990 mg/L	0.00639	1.28%

QC value within limits for Thallium Recovery = 99.80%

Titaniumt	189527.0	0.5016 mg/L	0.00127	0.5016 mg/L	0.00127	0.25%

QC value within limits for Titanium Recovery = 100.32%

Vanadiumt	28394.7	0.5018 mg/L	0.00588	0.5018 mg/L	0.00588	1.17%

QC value within limits for Vanadium Recovery = 100.37%

Zinct	3274.7	0.5071 mg/L	0.00391	0.5071 mg/L	0.00391	0.77%

QC value within limits for Zinc Recovery = 101.42%

Argon	4643917.6	101.4 mg/L	0.10	101.4 mg/L	0.10	0.09%
Sodiumt	1650081.5	4.791 mg/L	0.0241	4.791 mg/L	0.0241	0.50%

QC value within limits for Sodium Recovery = 95.82%

Magnesiumt	82239.4	0.5041 mg/L	0.00492	0.5041 mg/L	0.00492	0.98%

QC value within limits for Magnesium Recovery = 100.82%

Iront	7767.2	0.5036 mg/L	0.00406	0.5036 mg/L	0.00406	0.81%

QC value within limits for Iron Recovery = 100.72%

Calciumt	71031.6	0.5329 mg/L	0.00776	0.5329 mg/L	0.00776	1.46%

QC value within limits for Calcium Recovery = 106.58%

Potassiumt	726573.9	4.668 mg/L	0.0175	4.668 mg/L	0.0175	0.38%

QC value within limits for Potassium Recovery = 93.36%

Aluminum radialt	1070.4	0.5110 mg/L	0.02465	0.5110 mg/L	0.02465	4.82%

QC value within limits for Aluminum radial Recovery = 102.21%

Calcium radialt	1952.5	0.5395 mg/L	0.00862	0.5395 mg/L	0.00862	1.60%

QC value within limits for Calcium radial Recovery = 107.90%

Iron radialt	152.6	0.5165 mg/L	0.00152	0.5165 mg/L	0.00152	0.29%

QC value within limits for Iron radial Recovery = 103.30%

Magnesium radialt	2196.9	0.5121 mg/L	0.00165	0.5121 mg/L	0.00165	0.32%

QC value within limits for Magnesium radial Recovery = 102.42%

Sodium radialt	20131.1	4.984 mg/L	0.0903	4.984 mg/L	0.0903	1.81%

QC value within limits for Sodium radial Recovery = 99.67%

Potassium radialt	5743.0	4.910 mg/L	0.1154	4.910 mg/L	0.1154	2.35%

QC value within limits for Potassium radial Recovery = 98.20%

Strontium radialt	122102.6	0.2507 mg/L	0.00521	0.2507 mg/L	0.00521	2.08%

QC value within limits for Strontium radial Recovery = 100.26%

All analyte(s) passed QC.

User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 11:53:47 AM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103
Plasma On Time: 1/9/2013 10:14:24 AM
Technique: ICP Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 5
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 1/9/2013 11:53:48 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	588654.8	98.91	%	1.264				1.28%
Aluminum†	73.8	0.0006	mg/L	0.00204	0.0006	mg/L	0.00204	342.22%
QC value within limits for Aluminum Recovery = Not calculated								
Antimony†	-2.5	-0.0035	mg/L	0.00152	-0.0035	mg/L	0.00152	43.56%
QC value within limits for Antimony Recovery = Not calculated								
Arsenic†	1.2	-0.0003	mg/L	0.00346	-0.0003	mg/L	0.00346	>999.9%
QC value within limits for Arsenic Recovery = Not calculated								
Barium†	-4.9	-0.0008	mg/L	0.00050	-0.0008	mg/L	0.00050	59.72%
QC value within limits for Barium Recovery = Not calculated								
Beryllium†	-68.4	-0.0006	mg/L	0.00002	-0.0006	mg/L	0.00002	4.24%
QC value within limits for Beryllium Recovery = Not calculated								
Boron†	3.6	0.0009	mg/L	0.00053	0.0009	mg/L	0.00053	61.74%
QC value within limits for Boron Recovery = Not calculated								
Cadmium†	-1.8	-0.0020	mg/L	0.00123	-0.0020	mg/L	0.00123	61.20%
QC value within limits for Cadmium Recovery = Not calculated								
Chromium†	16.7	-0.0010	mg/L	0.00049	-0.0010	mg/L	0.00049	50.31%
QC value within limits for Chromium Recovery = Not calculated								
Cobalt†	1.1	-0.0011	mg/L	0.00087	-0.0011	mg/L	0.00087	82.35%
QC value within limits for Cobalt Recovery = Not calculated								
Copper†	-9.0	-0.0013	mg/L	0.00046	-0.0013	mg/L	0.00046	35.88%
QC value within limits for Copper Recovery = Not calculated								
Lithium†	89.8	-0.0019	mg/L	0.00003	-0.0019	mg/L	0.00003	1.71%
QC value within limits for Lithium Recovery = Not calculated								
Manganese†	23.9	-0.0010	mg/L	0.00003	-0.0010	mg/L	0.00003	3.18%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenum†	-1.5	-0.0018	mg/L	0.00085	-0.0018	mg/L	0.00085	47.50%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickel†	3.1	-0.0010	mg/L	0.00210	-0.0010	mg/L	0.00210	201.77%
QC value within limits for Nickel Recovery = Not calculated								
Lead†	1.1	-0.0054	mg/L	0.00525	-0.0054	mg/L	0.00525	97.87%
QC value within limits for Lead Recovery = Not calculated								
Selenium†	4.7	0.0145	mg/L	0.00541	0.0145	mg/L	0.00541	37.40%
QC value within limits for Selenium Recovery = Not calculated								
Silver†	49.6	-0.0009	mg/L	0.00172	-0.0009	mg/L	0.00172	193.15%
QC value within limits for Silver Recovery = Not calculated								
Strontium†	192.0	-0.0011	mg/L	0.00001	-0.0011	mg/L	0.00001	1.02%
QC value within limits for Strontium Recovery = Not calculated								
Tin†	-0.2	0.0011	mg/L	0.00282	0.0011	mg/L	0.00282	266.41%
QC value within limits for Tin Recovery = Not calculated								
Thallium†	-1.8	0.0011	mg/L	0.00493	0.0011	mg/L	0.00493	441.83%
QC value within limits for Thallium Recovery = Not calculated								
Titanium†	60.7	-0.0010	mg/L	0.00018	-0.0010	mg/L	0.00018	18.68%

QC value within limits for Titanium Recovery = Not calculated

Vanadium†	-116.5	-0.0015 mg/L	0.00105	-0.0015 mg/L	0.00105	72.42%

QC value within limits for Vanadium Recovery = Not calculated

Zinc†	7.7	-0.0003 mg/L	0.00034	-0.0003 mg/L	0.00034	128.46%

QC value within limits for Zinc Recovery = Not calculated

Argon	4624532.7	101.0 mg/L	0.43	101.0 mg/L	0.43	0.42%
Sodium†	180.0	0.0880 mg/L	0.00001	0.0880 mg/L	0.00001	0.01%

QC value within limits for Sodium Recovery = Not calculated

Magnesium†	-18.0	0.0000 mg/L	0.00024	0.0000 mg/L	0.00024	873.51%

QC value within limits for Magnesium Recovery = Not calculated

Iron†	-1.9	-0.0011 mg/L	0.00094	-0.0011 mg/L	0.00094	82.09%

QC value within limits for Iron Recovery = Not calculated

Calcium†	-124.3	-0.0083 mg/L	0.00153	-0.0083 mg/L	0.00153	18.51%

QC value within limits for Calcium Recovery = Not calculated

Potassium†	182.2	0.1160 mg/L	0.00099	0.1160 mg/L	0.00099	0.85%

QC value within limits for Potassium Recovery = Not calculated

Aluminum radial†	-2.5	0.0176 mg/L	0.00537	0.0176 mg/L	0.00537	30.49%

QC value within limits for Aluminum radial Recovery = Not calculated

Calcium radial†	1.9	0.0044 mg/L	0.00210	0.0044 mg/L	0.00210	47.42%

QC value within limits for Calcium radial Recovery = Not calculated

Iron radial†	-4.3	0.0023 mg/L	0.00931	0.0023 mg/L	0.00931	396.43%

QC value within limits for Iron radial Recovery = Not calculated

Magnesium radial†	3.8	0.0101 mg/L	0.00176	0.0101 mg/L	0.00176	17.51%

QC value within limits for Magnesium radial Recovery = Not calculated

Sodium radial†	-6.3	0.0014 mg/L	0.00588	0.0014 mg/L	0.00588	431.71%

QC value within limits for Sodium radial Recovery = Not calculated

Potassium radial†	-15.4	0.0228 mg/L	0.03753	0.0228 mg/L	0.03753	164.48%

QC value within limits for Potassium radial Recovery = Not calculated

Strontium radial†	9.4	0.0000 mg/L	0.00003	0.0000 mg/L	0.00003	102.93%

QC value within limits for Strontium radial Recovery = Not calculated

All analyte(s) passed QC.

User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 11:56:06 AM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103
Plasma On Time: 1/9/2013 10:14:24 AM
Technique: ICP Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 6
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 1/9/2013 11:56:07 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	547920.2	92.06	%	2.670				2.90%
Aluminumt	30628812.8	489.2	mg/L	2.76	489.2	mg/L	2.76	0.56%
Antimonyt	-55.4	0.0449	mg/L	0.03016	0.0449	mg/L	0.03016	67.18%
QC value greater than the upper limit for Antimony Recovery = Not calculated								
Arsenict	8.5	-0.0087	mg/L	0.00668	-0.0087	mg/L	0.00668	76.39%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	291.2	-0.0062	mg/L	0.00091	-0.0062	mg/L	0.00091	14.70%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	1505.6	0.0003	mg/L	0.00013	0.0003	mg/L	0.00013	50.24%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	765.5	-0.0304	mg/L	0.00148	-0.0304	mg/L	0.00148	4.87%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	26.5	0.0042	mg/L	0.00311	0.0042	mg/L	0.00311	74.57%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	127.3	0.0014	mg/L	0.00034	0.0014	mg/L	0.00034	24.76%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	33.3	0.0073	mg/L	0.00178	0.0073	mg/L	0.00178	24.36%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	-2187.7	-0.0009	mg/L	0.00263	-0.0009	mg/L	0.00263	287.09%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	1655.4	-0.0018	mg/L	0.00001	-0.0018	mg/L	0.00001	0.44%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	2988.1	0.0081	mg/L	0.00035	0.0081	mg/L	0.00035	4.35%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-30.0	-0.0148	mg/L	0.00276	-0.0148	mg/L	0.00276	18.69%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	-42.4	0.0077	mg/L	0.00252	0.0077	mg/L	0.00252	32.74%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	-7.5	-0.0029	mg/L	0.01194	-0.0029	mg/L	0.01194	406.70%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	-87.0	-0.0524	mg/L	0.04611	-0.0524	mg/L	0.04611	87.96%
QC value less than the lower limit for Selenium Recovery = Not calculated								
Silvert	1899.7	0.0033	mg/L	0.00129	0.0033	mg/L	0.00129	38.92%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	30962.9	-0.0114	mg/L	0.00038	-0.0114	mg/L	0.00038	3.34%
QC value within limits for Strontium Recovery = Not calculated								
Tint	9.6	-0.0046	mg/L	0.01131	-0.0046	mg/L	0.01131	244.48%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-51.8	-0.0458	mg/L	0.01270	-0.0458	mg/L	0.01270	27.75%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	4603.9	0.0111	mg/L	0.00024	0.0111	mg/L	0.00024	2.15%
QC value within limits for Titanium Recovery = Not calculated								

Vanadium†	7476.7	0.0421 mg/L	0.00473	0.0421 mg/L	0.00473	11.24%
QC value greater than the upper limit for Vanadium Recovery = Not calculated						
Zinc†	48.9	0.0061 mg/L	0.00152	0.0061 mg/L	0.00152	24.86%
QC value within limits for Zinc Recovery = Not calculated						
Argon	4309147.9	94.12 mg/L	0.469	94.12 mg/L	0.469	0.50%
Sodium†	14661.1	0.1293 mg/L	0.00127	0.1293 mg/L	0.00127	0.98%
QC value within limits for Sodium Recovery = Not calculated						
Magnesium†	53769756.5	329.5 mg/L	4.16	329.5 mg/L	4.16	1.26%
Iron†	5713895.1	371.2 mg/L	3.12	371.2 mg/L	3.12	0.84%
Calcium†	58345265.5	443.7 mg/L	1.41	443.7 mg/L	1.41	0.32%
Potassium†	4234.4	0.1414 mg/L	0.00081	0.1414 mg/L	0.00081	0.57%
Aluminum radial†	1077330.7	495.5 mg/L	16.11	495.5 mg/L	16.11	3.25%
QC value within limits for Aluminum radial Recovery = 99.10%						
Calcium radial†	1752726.5	480.8 mg/L	16.22	480.8 mg/L	16.22	3.37%
QC value within limits for Calcium radial Recovery = 96.16%						
Iron radial†	144196.9	472.7 mg/L	14.93	472.7 mg/L	14.93	3.16%
QC value within limits for Iron radial Recovery = 94.54%						
Magnesium radial†	2030338.0	464.8 mg/L	14.58	464.8 mg/L	14.58	3.14%
QC value within limits for Magnesium radial Recovery = 92.95%						
Sodium radial†	-53.6	-0.0103 mg/L	0.01277	-0.0103 mg/L	0.01277	123.77%
QC value within limits for Sodium radial Recovery = Not calculated						
Potassium radial†	-128.7	-0.0734 mg/L	0.05820	-0.0734 mg/L	0.05820	79.34%
QC value within limits for Potassium radial Recovery = Not calculated						
Strontium radial†	956.3	0.0019 mg/L	0.00013	0.0019 mg/L	0.00013	6.58%
QC value within limits for Strontium radial Recovery = Not calculated						

QC Failed. Continue with analysis.

User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 11:58:44 AM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103
Plasma On Time: 1/9/2013 10:14:24 AM
Technique: ICP Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 6
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 9
Date Collected: 1/9/2013 11:58:45 AM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	548562.4	92.17	%	0.631				0.68%
Aluminum†	31242268.3	499.0	mg/L	7.71	499.0	mg/L	7.71	1.54%
Antimony†	-58.4	0.0396	mg/L	0.01483	0.0396	mg/L	0.01483	37.44%
QC value within limits for Antimony Recovery = Not calculated								
Arsenic†	16.6	0.0025	mg/L	0.01578	0.0025	mg/L	0.01578	622.93%
QC value within limits for Arsenic Recovery = Not calculated								
Barium†	300.7	-0.0059	mg/L	0.00079	-0.0059	mg/L	0.00079	13.31%
QC value within limits for Barium Recovery = Not calculated								
Beryllium†	1687.5	0.0004	mg/L	0.00008	0.0004	mg/L	0.00008	21.93%
QC value within limits for Beryllium Recovery = Not calculated								
Boron†	666.9	-0.0371	mg/L	0.00133	-0.0371	mg/L	0.00133	3.59%
QC value within limits for Boron Recovery = Not calculated								
Cadmium†	36.8	0.0062	mg/L	0.00246	0.0062	mg/L	0.00246	39.45%
QC value within limits for Cadmium Recovery = Not calculated								
Chromium†	135.2	0.0016	mg/L	0.00072	0.0016	mg/L	0.00072	46.13%
QC value within limits for Chromium Recovery = Not calculated								
Cobalt†	41.0	0.0093	mg/L	0.00138	0.0093	mg/L	0.00138	14.78%
QC value within limits for Cobalt Recovery = Not calculated								
Copper†	-2142.5	-0.0006	mg/L	0.00193	-0.0006	mg/L	0.00193	314.99%
QC value within limits for Copper Recovery = Not calculated								
Lithium†	1810.2	-0.0017	mg/L	0.00001	-0.0017	mg/L	0.00001	0.82%
QC value within limits for Lithium Recovery = Not calculated								
Manganese†	2933.6	0.0080	mg/L	0.00037	0.0080	mg/L	0.00037	4.58%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenum†	-29.9	-0.0148	mg/L	0.00490	-0.0148	mg/L	0.00490	33.11%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickel†	-47.9	0.0066	mg/L	0.00231	0.0066	mg/L	0.00231	34.90%
QC value within limits for Nickel Recovery = Not calculated								
Lead†	0.9	0.0083	mg/L	0.00287	0.0083	mg/L	0.00287	34.49%
QC value within limits for Lead Recovery = Not calculated								
Selenium†	-98.2	-0.0728	mg/L	0.02620	-0.0728	mg/L	0.02620	36.00%
QC value less than the lower limit for Selenium Recovery = Not calculated								
Silver†	2019.9	0.0046	mg/L	0.00181	0.0046	mg/L	0.00181	39.45%
QC value within limits for Silver Recovery = Not calculated								
Strontium†	30819.2	-0.0113	mg/L	0.00027	-0.0113	mg/L	0.00027	2.36%
QC value within limits for Strontium Recovery = Not calculated								
Tin†	10.1	-0.0042	mg/L	0.00216	-0.0042	mg/L	0.00216	51.62%
QC value within limits for Tin Recovery = Not calculated								
Thallium†	-52.3	-0.0463	mg/L	0.00870	-0.0463	mg/L	0.00870	18.78%
QC value within limits for Thallium Recovery = Not calculated								
Titanium†	4502.9	0.0108	mg/L	0.00041	0.0108	mg/L	0.00041	3.82%
QC value within limits for Titanium Recovery = Not calculated								

Vanadium†	7423.6	0.0401 mg/L	0.00276	0.0401 mg/L	0.00276	6.88%
QC value greater than the upper limit for Vanadium Recovery = Not calculated						
Zinc†	53.7	0.0069 mg/L	0.00092	0.0069 mg/L	0.00092	13.37%
QC value within limits for Zinc Recovery = Not calculated						
Argon	4322120.9	94.41 mg/L	0.560	94.41 mg/L	0.560	0.59%
Sodium†	14075.6	0.1276 mg/L	0.00151	0.1276 mg/L	0.00151	1.18%
QC value within limits for Sodium Recovery = Not calculated						
Magnesium†	54420590.8	333.5 mg/L	4.05	333.5 mg/L	4.05	1.21%
Iron†	5707407.3	370.8 mg/L	3.32	370.8 mg/L	3.32	0.89%
Calcium†	59689875.4	453.9 mg/L	6.95	453.9 mg/L	6.95	1.53%
Potassium†	3738.4	0.1383 mg/L	0.00162	0.1383 mg/L	0.00162	1.17%
Aluminum radial†	1062023.1	488.5 mg/L	8.20	488.5 mg/L	8.20	1.68%
QC value within limits for Aluminum radial Recovery = 97.69%						
Calcium radial†	1735800.4	476.1 mg/L	9.40	476.1 mg/L	9.40	1.98%
QC value within limits for Calcium radial Recovery = 95.23%						
Iron radial†	145878.7	478.2 mg/L	8.22	478.2 mg/L	8.22	1.72%
QC value within limits for Iron radial Recovery = 95.65%						
Magnesium radial†	2009053.6	459.9 mg/L	7.32	459.9 mg/L	7.32	1.59%
QC value within limits for Magnesium radial Recovery = 91.98%						
Sodium radial†	-134.2	-0.0303 mg/L	0.01068	-0.0303 mg/L	0.01068	35.27%
QC value within limits for Sodium radial Recovery = Not calculated						
Potassium radial†	29.3	0.0607 mg/L	0.07470	0.0607 mg/L	0.07470	123.04%
QC value within limits for Potassium radial Recovery = Not calculated						
Strontium radial†	987.6	0.0020 mg/L	0.00006	0.0020 mg/L	0.00006	3.15%
QC value within limits for Strontium radial Recovery = Not calculated						

QC Failed. Continue with analysis.

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

Autosampler Location: 10
Date Collected: 1/9/2013 12:01:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	544669.3	91.52	%	0.651				0.71%
Aluminumt	31666568.9	505.8	mg/L	6.57	505.8	mg/L	6.57	1.30%
Antimonyt	4130.6	10.19	mg/L	0.142	10.19	mg/L	0.142	1.40%
QC value within limits for Antimony Recovery = 101.88%								
Arsenict	6826.4	10.34	mg/L	0.156	10.34	mg/L	0.156	1.50%
QC value within limits for Arsenic Recovery = 103.36%								
Bariumt	54796.2	2.905	mg/L	0.0245	2.905	mg/L	0.0245	0.84%
QC value within limits for Barium Recovery = 96.85%								
Berylliumt	1920855.7	1.028	mg/L	0.0137	1.028	mg/L	0.0137	1.33%
QC value within limits for Beryllium Recovery = 102.80%								
Boront	89490.5	5.160	mg/L	0.0387	5.160	mg/L	0.0387	0.75%
QC value within limits for Boron Recovery = 103.20%								
Cadmiumt	14527.4	3.070	mg/L	0.0507	3.070	mg/L	0.0507	1.65%
QC value within limits for Cadmium Recovery = 102.33%								
Chromiumt	133752.4	2.860	mg/L	0.0270	2.860	mg/L	0.0270	0.94%
QC value within limits for Chromium Recovery = 95.33%								
Cobaltt	10427.7	2.701	mg/L	0.0382	2.701	mg/L	0.0382	1.41%
QC value within limits for Cobalt Recovery = 90.02%								
Coppert	236840.5	3.045	mg/L	0.0223	3.045	mg/L	0.0223	0.73%
QC value within limits for Copper Recovery = 101.49%								
Lithiumt	2114.0	-0.0017	mg/L	0.00002	-0.0017	mg/L	0.00002	1.36%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	619620.5	1.908	mg/L	0.0154	1.908	mg/L	0.0154	0.81%
QC value within limits for Manganese Recovery = 95.38%								
Molybdenumt	10721.0	2.907	mg/L	0.0458	2.907	mg/L	0.0458	1.58%
QC value within limits for Molybdenum Recovery = 96.91%								
Nickelt	11513.6	2.707	mg/L	0.0396	2.707	mg/L	0.0396	1.46%
QC value within limits for Nickel Recovery = 90.24%								
Leadt	6681.6	9.155	mg/L	0.1282	9.155	mg/L	0.1282	1.40%
QC value within limits for Lead Recovery = 91.55%								
Seleniumt	2594.2	5.055	mg/L	0.0769	5.055	mg/L	0.0769	1.52%
QC value within limits for Selenium Recovery = 101.10%								
Silvert	335498.1	3.192	mg/L	0.0280	3.192	mg/L	0.0280	0.88%
QC value within limits for Silver Recovery = 106.39%								
Strontiumt	7586150.4	0.4797	mg/L	0.00666	0.4797	mg/L	0.00666	1.39%
QC value within limits for Strontium Recovery = 95.94%								
Tint	698.8	0.4653	mg/L	0.00669	0.4653	mg/L	0.00669	1.44%
QC value within limits for Tin Recovery = 93.07%								
Thalliumt	9424.8	8.846	mg/L	0.1345	8.846	mg/L	0.1345	1.52%
QC value within limits for Thallium Recovery = 88.46%								
Titaniumt	3718649.3	9.863	mg/L	0.1390	9.863	mg/L	0.1390	1.41%
QC value within limits for Titanium Recovery = 98.63%								
Vanadiumt	176394.8	3.023	mg/L	0.0258	3.023	mg/L	0.0258	0.85%
QC value within limits for Vanadium Recovery = 100.76%								
Zinct	17285.5	2.683	mg/L	0.0372	2.683	mg/L	0.0372	1.39%
QC value within limits for Zinc Recovery = 89.43%								
Argon	4325556.9	94.48	mg/L	0.406	94.48	mg/L	0.406	0.43%
Sodiumt	28181143.2	80.42	mg/L	1.080	80.42	mg/L	1.080	1.34%
Magnesiumt	55121545.5	337.8	mg/L	3.43	337.8	mg/L	3.43	1.02%
Iront	5782672.6	375.7	mg/L	3.83	375.7	mg/L	3.83	1.02%
Calciumt	60446574.0	459.7	mg/L	4.89	459.7	mg/L	4.89	1.06%
Potassiumt	50917536.0	319.2	mg/L	5.83	319.2	mg/L	5.83	1.83%
Aluminum radialt	1084129.0	498.6	mg/L	3.92	498.6	mg/L	3.92	0.79%
QC value within limits for Aluminum radial Recovery = 99.73%								
Calcium radialt	1758202.7	482.3	mg/L	1.97	482.3	mg/L	1.97	0.41%

QC value within limits for Calcium radial Recovery = 96.46%

Iron radial†	146699.2	480.9 mg/L	1.56	480.9 mg/L	1.56	0.32%

QC value within limits for Iron radial Recovery = 96.18%

Magnesium radial†	2037924.8	466.5 mg/L	3.57	466.5 mg/L	3.57	0.76%

QC value within limits for Magnesium radial Recovery = 93.30%

Sodium radial†	213323.2	52.78 mg/L	0.237	52.78 mg/L	0.237	0.45%

QC value within limits for Sodium radial Recovery = 105.56%

Potassium radial†	265184.7	225.1 mg/L	1.17	225.1 mg/L	1.17	0.52%

QC value within limits for Potassium radial Recovery = 112.54%

Strontium radial†	262791.2	0.5395 mg/L	0.00333	0.5395 mg/L	0.00333	0.62%

QC value within limits for Strontium radial Recovery = 107.91%

All analyte(s) passed QC.

Sequence No.: 8
Sample ID: RINSE BLANK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 101
Date Collected: 1/9/2013 12:03:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: RINSE BLANK

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: RINSE BLANK

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	599928.4	100.8	%	0.49				0.49%
Aluminumt	2060.1	0.0323	mg/L	0.01020	0.0323	mg/L	0.01020	31.55%
Antimonyt	-1.4	-0.0007	mg/L	0.00939	-0.0007	mg/L	0.00939	>999.9%
Arsenict	-1.4	-0.0042	mg/L	0.00998	-0.0042	mg/L	0.00998	238.80%
Bariumt	-2.9	-0.0007	mg/L	0.00021	-0.0007	mg/L	0.00021	28.20%
Berylliumt	96.0	-0.0005	mg/L	0.00007	-0.0005	mg/L	0.00007	13.60%
Boront	50.8	0.0036	mg/L	0.00032	0.0036	mg/L	0.00032	8.93%
Cadmiumt	1.9	-0.0011	mg/L	0.00012	-0.0011	mg/L	0.00012	11.11%
Chromiumt	7.1	-0.0012	mg/L	0.00048	-0.0012	mg/L	0.00048	40.56%
Cobaltt	-5.0	-0.0027	mg/L	0.00034	-0.0027	mg/L	0.00034	13.02%
Coppert	8.7	-0.0011	mg/L	0.00105	-0.0011	mg/L	0.00105	98.90%
Lithiumt	189.8	-0.0019	mg/L	0.00002	-0.0019	mg/L	0.00002	0.91%
Manganeset	202.2	-0.0004	mg/L	0.00005	-0.0004	mg/L	0.00005	12.07%
Molybdenumt	-8.2	-0.0036	mg/L	0.00136	-0.0036	mg/L	0.00136	37.84%
Nickelt	9.0	0.0003	mg/L	0.00153	0.0003	mg/L	0.00153	453.81%
Leadt	1.0	-0.0055	mg/L	0.00918	-0.0055	mg/L	0.00918	165.54%
Seleniumt	-3.2	-0.0004	mg/L	0.02383	-0.0004	mg/L	0.02383	>999.9%
Silvert	111.6	-0.0003	mg/L	0.00089	-0.0003	mg/L	0.00089	295.55%
Strontiumt	910.3	-0.0010	mg/L	0.00000	-0.0010	mg/L	0.00000	0.46%
Tint	-1.8	0.0000	mg/L	0.00425	0.0000	mg/L	0.00425	>999.9%
Thalliumt	-7.7	-0.0044	mg/L	0.00908	-0.0044	mg/L	0.00908	206.92%
Titaniumt	582.2	0.0004	mg/L	0.00041	0.0004	mg/L	0.00041	99.29%
Vanadiumt	-88.7	-0.0010	mg/L	0.00043	-0.0010	mg/L	0.00043	44.39%
Zinct	47.5	0.0059	mg/L	0.00104	0.0059	mg/L	0.00104	17.61%
Argon	4630581.6	101.1	mg/L	0.14	101.1	mg/L	0.14	0.14%
Sodiumt	4206.9	0.0995	mg/L	0.00046	0.0995	mg/L	0.00046	0.47%
Magnesiumt	4385.8	0.0270	mg/L	0.00682	0.0270	mg/L	0.00682	25.28%
Iront	535.9	0.0338	mg/L	0.00592	0.0338	mg/L	0.00592	17.53%
Calciumt	6135.6	0.0394	mg/L	0.00674	0.0394	mg/L	0.00674	17.12%
Potassiumt	1291.6	0.1230	mg/L	0.00172	0.1230	mg/L	0.00172	1.39%
Aluminum radialt	97.2	0.0635	mg/L	0.02841	0.0635	mg/L	0.02841	44.76%
Calcium radialt	209.5	0.0614	mg/L	0.00726	0.0614	mg/L	0.00726	11.82%
Iron radialt	8.8	0.0450	mg/L	0.01126	0.0450	mg/L	0.01126	25.02%
Magnesium radialt	163.5	0.0466	mg/L	0.00882	0.0466	mg/L	0.00882	18.92%
Sodium radialt	75.3	0.0216	mg/L	0.00677	0.0216	mg/L	0.00677	31.39%
Potassium radialt	44.6	0.0738	mg/L	0.01324	0.0738	mg/L	0.01324	17.95%
Strontium radialt	22.5	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	273.14%

Sequence No.: 9
Sample ID: RINSE BLANK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 101
Date Collected: 1/9/2013 12:07:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: RINSE BLANK

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: RINSE BLANK

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	596325.1	100.2	%	1.20				1.20%

Aluminumt	378.9	0.0055 mg/L	0.00180	0.0055 mg/L	0.00180	32.96%
Antimonyt	-3.9	-0.0069 mg/L	0.00619	-0.0069 mg/L	0.00619	90.35%
Arsenict	-0.6	-0.0031 mg/L	0.00385	-0.0031 mg/L	0.00385	124.45%
Bariumt	-11.0	-0.0012 mg/L	0.00044	-0.0012 mg/L	0.00044	37.86%
Berylliumt	-75.0	-0.0006 mg/L	0.00006	-0.0006 mg/L	0.00006	9.86%
Boront	39.4	0.0030 mg/L	0.00137	0.0030 mg/L	0.00137	46.15%
Cadmiumt	-3.9	-0.0024 mg/L	0.00034	-0.0024 mg/L	0.00034	13.93%
Chromiumt	5.2	-0.0012 mg/L	0.00049	-0.0012 mg/L	0.00049	40.26%
Cobaltt	-1.4	-0.0017 mg/L	0.00105	-0.0017 mg/L	0.00105	61.33%
Coppert	15.0	-0.0010 mg/L	0.00101	-0.0010 mg/L	0.00101	102.73%
Lithiumt	49.3	-0.0019 mg/L	0.00001	-0.0019 mg/L	0.00001	0.74%
Manganeset	169.2	-0.0005 mg/L	0.00006	-0.0005 mg/L	0.00006	11.23%
Molybdenumt	-1.3	-0.0017 mg/L	0.00058	-0.0017 mg/L	0.00058	33.85%
Nickelt	-3.9	-0.0027 mg/L	0.00202	-0.0027 mg/L	0.00202	75.45%
Leadt	3.0	-0.0028 mg/L	0.00418	-0.0028 mg/L	0.00418	150.49%
Seleniumt	-5.7	-0.0053 mg/L	0.01670	-0.0053 mg/L	0.01670	314.82%
Silvert	155.3	0.0001 mg/L	0.00114	0.0001 mg/L	0.00114	>999.9%
Strontiumt	822.0	-0.0010 mg/L	0.00002	-0.0010 mg/L	0.00002	1.71%
Tint	0.1	0.0013 mg/L	0.00509	0.0013 mg/L	0.00509	398.60%
Thalliumt	-5.5	-0.0023 mg/L	0.00809	-0.0023 mg/L	0.00809	351.62%
Titaniumt	141.6	-0.0008 mg/L	0.00030	-0.0008 mg/L	0.00030	40.37%
Vanadiumt	-210.8	-0.0031 mg/L	0.00201	-0.0031 mg/L	0.00201	64.37%
Zinct	50.9	0.0064 mg/L	0.00074	0.0064 mg/L	0.00074	11.46%
Argon	4621732.3	101.0 mg/L	0.43	101.0 mg/L	0.43	0.42%
Sodiumt	3597.1	0.0977 mg/L	0.00043	0.0977 mg/L	0.00043	0.44%
Magnesiumt	412.8	0.0026 mg/L	0.00022	0.0026 mg/L	0.00022	8.42%
Iront	100.0	0.0055 mg/L	0.00027	0.0055 mg/L	0.00027	5.02%
Calciumt	2848.2	0.0143 mg/L	0.00124	0.0143 mg/L	0.00124	8.66%
Potassiumt	734.7	0.1195 mg/L	0.00018	0.1195 mg/L	0.00018	0.15%
Aluminum radialt	15.0	0.0257 mg/L	0.00725	0.0257 mg/L	0.00725	28.23%
Calcium radialt	85.6	0.0274 mg/L	0.00198	0.0274 mg/L	0.00198	7.21%
Iron radialt	-1.2	0.0124 mg/L	0.00743	0.0124 mg/L	0.00743	60.09%
Magnesium radialt	5.4	0.0105 mg/L	0.00105	0.0105 mg/L	0.00105	10.03%
Sodium radialt	75.0	0.0215 mg/L	0.00673	0.0215 mg/L	0.00673	31.32%
Potassium radialt	28.0	0.0597 mg/L	0.01256	0.0597 mg/L	0.01256	21.04%
Strontium radialt	13.3	0.0000 mg/L	0.00007	0.0000 mg/L	0.00007	288.39%

Sequence No.: 10
Sample ID: MBLK-117535
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 102
Date Collected: 1/9/2013 12:10:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MBLK-117535

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: MBLK-117535

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	603850.1	101.5	%	0.47				0.46%
Aluminumt	1019.5	0.0157	mg/L	0.00097	0.0157	mg/L	0.00097	6.17%
Antimonyt	-1.2	-0.0004	mg/L	0.00602	-0.0004	mg/L	0.00602	>999.9%
Arsenict	2.9	0.0023	mg/L	0.00263	0.0023	mg/L	0.00263	114.87%
Bariumt	9.3	-0.0001	mg/L	0.00009	-0.0001	mg/L	0.00009	124.24%
Berylliumt	111.2	-0.0005	mg/L	0.00005	-0.0005	mg/L	0.00005	11.08%
Boront	47.5	0.0034	mg/L	0.00015	0.0034	mg/L	0.00015	4.38%
Cadmiumt	-0.3	-0.0017	mg/L	0.00098	-0.0017	mg/L	0.00098	56.91%
Chromiumt	7.2	-0.0012	mg/L	0.00022	-0.0012	mg/L	0.00022	18.76%
Cobaltt	-0.7	-0.0015	mg/L	0.00050	-0.0015	mg/L	0.00050	32.77%
Coppert	13.0	-0.0010	mg/L	0.00058	-0.0010	mg/L	0.00058	57.43%
Lithiumt	246.3	-0.0019	mg/L	0.00000	-0.0019	mg/L	0.00000	0.19%
Manganeset	48.3	-0.0009	mg/L	0.00002	-0.0009	mg/L	0.00002	2.16%
Molybdenumt	-9.1	-0.0038	mg/L	0.00072	-0.0038	mg/L	0.00072	18.61%
Nickelt	4.4	-0.0007	mg/L	0.00069	-0.0007	mg/L	0.00069	94.68%
Leadt	0.1	-0.0067	mg/L	0.01208	-0.0067	mg/L	0.01208	179.84%
Seleniumt	2.9	0.0110	mg/L	0.00100	0.0110	mg/L	0.00100	9.12%
Silvert	146.7	0.0000	mg/L	0.00054	0.0000	mg/L	0.00054	>999.9%
Strontiumt	1028.2	-0.0010	mg/L	0.00000	-0.0010	mg/L	0.00000	0.08%
Tint	2.3	0.0028	mg/L	0.00347	0.0028	mg/L	0.00347	125.10%
Thalliumt	-8.5	-0.0052	mg/L	0.00478	-0.0052	mg/L	0.00478	92.77%
Titaniumt	97.4	-0.0009	mg/L	0.00015	-0.0009	mg/L	0.00015	17.34%
Vanadiumt	-189.4	-0.0027	mg/L	0.00113	-0.0027	mg/L	0.00113	41.12%
Zinct	35.7	0.0041	mg/L	0.00020	0.0041	mg/L	0.00020	4.87%
Argon	4655196.6	101.7	mg/L	0.14	101.7	mg/L	0.14	0.14%
Sodiumt	4253.5	0.0996	mg/L	0.00045	0.0996	mg/L	0.00045	0.45%
Magnesiumt	514.6	0.0032	mg/L	0.00038	0.0032	mg/L	0.00038	11.70%
Iront	170.1	0.0100	mg/L	0.00098	0.0100	mg/L	0.00098	9.81%
Calciumt	3678.3	0.0207	mg/L	0.00081	0.0207	mg/L	0.00081	3.91%
Potassiumt	543.2	0.1183	mg/L	0.00033	0.1183	mg/L	0.00033	0.27%
Aluminum radialt	41.0	0.0376	mg/L	0.00480	0.0376	mg/L	0.00480	12.76%
Calcium radialt	99.2	0.0311	mg/L	0.00188	0.0311	mg/L	0.00188	6.04%
Iron radialt	2.1	0.0230	mg/L	0.00957	0.0230	mg/L	0.00957	41.51%
Magnesium radialt	17.7	0.0133	mg/L	0.00016	0.0133	mg/L	0.00016	1.24%
Sodium radialt	51.1	0.0156	mg/L	0.00163	0.0156	mg/L	0.00163	10.49%
Potassium radialt	-10.2	0.0272	mg/L	0.00191	0.0272	mg/L	0.00191	7.01%
Strontium radialt	6.1	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	88.41%

Sequence No.: 11
Sample ID: LCS-117535
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 103
Date Collected: 1/9/2013 12:13:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LCS-117535

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: LCS-117535

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	603494.3	101.4	%	1.15				1.13%
Aluminumt	319126.7	5.097	mg/L	0.0240	5.097	mg/L	0.0240	0.47%
Antimonyt	42.5	0.1062	mg/L	0.01324	0.1062	mg/L	0.01324	12.47%
Arsenict	70.3	0.1045	mg/L	0.00891	0.1045	mg/L	0.00891	8.53%
Bariumt	1924.5	0.1020	mg/L	0.00141	0.1020	mg/L	0.00141	1.39%
Berylliumt	192639.8	0.1026	mg/L	0.00036	0.1026	mg/L	0.00036	0.36%
Boront	1812.8	0.1059	mg/L	0.00194	0.1059	mg/L	0.00194	1.84%
Cadmiumt	446.3	0.0972	mg/L	0.00080	0.0972	mg/L	0.00080	0.82%
Chromiumt	4824.7	0.1019	mg/L	0.00344	0.1019	mg/L	0.00344	3.38%
Cobaltt	383.7	0.0986	mg/L	0.00047	0.0986	mg/L	0.00047	0.48%
Coppert	8008.3	0.1012	mg/L	0.00261	0.1012	mg/L	0.00261	2.58%
Lithiumt	1090221.8	0.0954	mg/L	0.00072	0.0954	mg/L	0.00072	0.76%
Manganeset	33146.3	0.1010	mg/L	0.00241	0.1010	mg/L	0.00241	2.39%
Molybdenumt	359.9	0.0964	mg/L	0.00180	0.0964	mg/L	0.00180	1.87%
Nickelt	432.5	0.0995	mg/L	0.00230	0.0995	mg/L	0.00230	2.31%
Leadt	78.1	0.1002	mg/L	0.00698	0.1002	mg/L	0.00698	6.97%
Seleniumt	269.2	0.5194	mg/L	0.01949	0.5194	mg/L	0.01949	3.75%
Silvert	10053.4	0.0947	mg/L	0.00176	0.0947	mg/L	0.00176	1.86%
Strontiumt	1542579.0	0.0991	mg/L	0.00048	0.0991	mg/L	0.00048	0.49%
Tint	141.1	0.0973	mg/L	0.00450	0.0973	mg/L	0.00450	4.63%
Thalliumt	105.0	0.1014	mg/L	0.00212	0.1014	mg/L	0.00212	2.09%
Titaniumt	36900.3	0.0968	mg/L	0.00193	0.0968	mg/L	0.00193	2.00%
Vanadiumt	5659.4	0.0994	mg/L	0.00448	0.0994	mg/L	0.00448	4.50%
Zinct	682.0	0.1044	mg/L	0.00114	0.1044	mg/L	0.00114	1.10%
Argon	4618288.9	100.9	mg/L	0.04	100.9	mg/L	0.04	0.04%
Sodiumt	1753727.5	5.087	mg/L	0.1381	5.087	mg/L	0.1381	2.72%
Magnesiumt	840526.5	5.152	mg/L	0.0228	5.152	mg/L	0.0228	0.44%
Iront	79342.4	5.153	mg/L	0.1233	5.153	mg/L	0.1233	2.39%
Calciumt	658096.5	4.998	mg/L	0.0136	4.998	mg/L	0.0136	0.27%
Potassiumt	770112.2	4.941	mg/L	0.0187	4.941	mg/L	0.0187	0.38%
Aluminum radialt	10604.3	4.896	mg/L	0.0693	4.896	mg/L	0.0693	1.42%
Calcium radialt	18119.9	4.974	mg/L	0.0614	4.974	mg/L	0.0614	1.24%
Iron radialt	1577.8	5.189	mg/L	0.0345	5.189	mg/L	0.0345	0.67%
Magnesium radialt	21945.5	5.033	mg/L	0.0728	5.033	mg/L	0.0728	1.45%
Sodium radialt	20527.7	5.082	mg/L	0.0769	5.082	mg/L	0.0769	1.51%
Potassium radialt	5937.2	5.075	mg/L	0.0974	5.075	mg/L	0.0974	1.92%
Strontium radialt	48595.5	0.0997	mg/L	0.00168	0.0997	mg/L	0.00168	1.69%

Sequence No.: 12
Sample ID: L0023792-17A
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 104
Date Collected: 1/9/2013 12:16:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0023792-17A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0023792-17A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	573179.8	96.31	%	2.356				2.45%
Aluminumt	10316.7	0.1642	mg/L	0.00262	0.1642	mg/L	0.00262	1.60%
Antimonyt	-21.8	-0.0506	mg/L	0.00648	-0.0506	mg/L	0.00648	12.81%
Arsenict	-22.3	-0.0429	mg/L	0.01584	-0.0429	mg/L	0.01584	36.94%
Bariumt	11425.5	0.6099	mg/L	0.00763	0.6099	mg/L	0.00763	1.25%
Berylliumt	578.9	-0.0002	mg/L	0.00002	-0.0002	mg/L	0.00002	10.45%
Boront	863.3	0.0512	mg/L	0.00072	0.0512	mg/L	0.00072	1.40%
Cadmiumt	-2.8	-0.0015	mg/L	0.00134	-0.0015	mg/L	0.00134	89.54%
Chromiumt	93.7	0.0007	mg/L	0.00036	0.0007	mg/L	0.00036	53.84%
Cobaltt	4.1	-0.0003	mg/L	0.00030	-0.0003	mg/L	0.00030	99.69%
Coppert	-352.0	0.0014	mg/L	0.00041	0.0014	mg/L	0.00041	28.67%
Lithiumt	311099.7	0.0259	mg/L	0.00012	0.0259	mg/L	0.00012	0.45%
Manganeset	6848.9	0.0200	mg/L	0.00021	0.0200	mg/L	0.00021	1.03%
Molybdenumt	8.5	0.0009	mg/L	0.00312	0.0009	mg/L	0.00312	332.17%
Nickelt	9.7	0.0005	mg/L	0.00126	0.0005	mg/L	0.00126	247.26%
Leadt	3.0	-0.0027	mg/L	0.01225	-0.0027	mg/L	0.01225	452.76%
Seleniumt	27.4	0.0578	mg/L	0.03208	0.0578	mg/L	0.03208	55.51%
Silvert	505.4	0.0003	mg/L	0.00156	0.0003	mg/L	0.00156	503.41%
Strontiumt	17148976.8	1.111	mg/L	0.0291	1.111	mg/L	0.0291	2.62%
Tint	-2.8	-0.0038	mg/L	0.00937	-0.0038	mg/L	0.00937	244.85%
Thalliumt	-43.4	-0.0379	mg/L	0.00674	-0.0379	mg/L	0.00674	17.77%
Titaniumt	2002.8	0.0042	mg/L	0.00022	0.0042	mg/L	0.00022	5.22%
Vanadiumt	3640.1	0.0594	mg/L	0.00281	0.0594	mg/L	0.00281	4.73%
Zinct	22.2	0.0020	mg/L	0.00124	0.0020	mg/L	0.00124	62.41%
Argon	4566541.0	99.75	mg/L	0.039	99.75	mg/L	0.039	0.04%
Sodiumt	Saturated3							
Magnesiumt	15721549.7	96.35	mg/L	2.582	96.35	mg/L	2.582	2.68%
Iront	412.4	0.0258	mg/L	0.00106	0.0258	mg/L	0.00106	4.09%
Calciumt	15796557.0	120.1	mg/L	3.23	120.1	mg/L	3.23	2.69%
Potassiumt	429441.7	2.806	mg/L	0.0051	2.806	mg/L	0.0051	0.18%
Aluminum radialt	851.6	0.4104	mg/L	0.05333	0.4104	mg/L	0.05333	12.99%
Calcium radialt	442015.1	121.3	mg/L	3.91	121.3	mg/L	3.91	3.22%
Iron radialt	7.2	0.0401	mg/L	0.02016	0.0401	mg/L	0.02016	50.31%
Magnesium radialt	412389.9	94.41	mg/L	3.084	94.41	mg/L	3.084	3.27%
Sodium radialt	917400.4	227.0	mg/L	7.59	227.0	mg/L	7.59	3.34%
Potassium radialt	2009.3	1.741	mg/L	0.0520	1.741	mg/L	0.0520	2.99%
Strontium radialt	582000.2	1.195	mg/L	0.0399	1.195	mg/L	0.0399	3.34%

Sequence No.: 13
Sample ID: L0023792-17ASD
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 105
Date Collected: 1/9/2013 12:19:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0023792-17ASD

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0023792-17ASD

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	589562.6	99.06	%	0.592				0.60%
Aluminumt	2929.6	0.0462	mg/L	0.00089	0.2311	mg/L	0.00444	1.92%
Antimonyt	-5.4	-0.0106	mg/L	0.00567	-0.0530	mg/L	0.02835	53.51%
Arsenict	-8.8	-0.0170	mg/L	0.01296	-0.0848	mg/L	0.06480	76.40%
Bariumt	2314.5	0.1231	mg/L	0.00090	0.6154	mg/L	0.00448	0.73%
Berylliumt	63.8	-0.0005	mg/L	0.00002	-0.0025	mg/L	0.00010	3.77%
Boront	186.9	0.0116	mg/L	0.00085	0.0579	mg/L	0.00426	7.35%
Cadmiumt	-1.0	-0.0015	mg/L	0.00102	-0.0075	mg/L	0.00512	67.93%
Chromiumt	35.4	-0.0006	mg/L	0.00056	-0.0029	mg/L	0.00278	96.28%
Cobaltt	0.6	-0.0012	mg/L	0.00073	-0.0060	mg/L	0.00367	61.12%
Coppert	-26.1	-0.0001	mg/L	0.00108	-0.0004	mg/L	0.00542	>999.9%
Lithiumt	65588.1	0.0040	mg/L	0.00001	0.0198	mg/L	0.00006	0.33%
Manganeset	1487.5	0.0035	mg/L	0.00008	0.0176	mg/L	0.00041	2.31%
Molybdenumt	2.3	-0.0008	mg/L	0.00228	-0.0038	mg/L	0.01142	301.06%
Nickelt	0.1	-0.0017	mg/L	0.00318	-0.0087	mg/L	0.01592	182.91%
Leadt	3.3	-0.0023	mg/L	0.01040	-0.0117	mg/L	0.05201	446.01%
Seleniumt	12.5	0.0294	mg/L	0.00711	0.1470	mg/L	0.03556	24.18%
Silvert	141.1	-0.0006	mg/L	0.00171	-0.0031	mg/L	0.00855	277.71%
Strontiumt	3596201.7	0.2321	mg/L	0.00069	1.161	mg/L	0.0035	0.30%
Tint	-1.0	-0.0001	mg/L	0.00394	-0.0007	mg/L	0.01969	>999.9%
Thalliumt	-16.3	-0.0125	mg/L	0.01877	-0.0623	mg/L	0.09383	150.52%
Titaniumt	592.3	0.0004	mg/L	0.00010	0.0022	mg/L	0.00050	22.76%
Vanadiumt	939.1	0.0161	mg/L	0.00276	0.0803	mg/L	0.01382	17.22%
Zinct	28.5	0.0030	mg/L	0.00066	0.0148	mg/L	0.00330	22.27%
Argon	4668788.1	102.0	mg/L	0.26	509.9	mg/L	1.32	0.26%
Sodiumt	18288291.4	52.22	mg/L	0.147	261.1	mg/L	0.74	0.28%
Magnesiumt	3260896.5	19.99	mg/L	0.056	99.93	mg/L	0.282	0.28%
Iront	119.7	0.0068	mg/L	0.00050	0.0338	mg/L	0.00250	7.42%
Calciumt	3177294.2	24.16	mg/L	0.078	120.8	mg/L	0.39	0.32%
Potassiumt	60041.0	0.4911	mg/L	0.00213	2.456	mg/L	0.0107	0.43%
Aluminum radialt	232.5	0.1257	mg/L	0.02489	0.6285	mg/L	0.12447	19.80%
Calcium radialt	89260.2	24.49	mg/L	0.601	122.4	mg/L	3.00	2.45%
Iron radialt	3.4	0.0274	mg/L	0.00770	0.1372	mg/L	0.03851	28.07%
Magnesium radialt	84079.3	19.26	mg/L	0.400	96.28	mg/L	2.001	2.08%
Sodium radialt	181511.4	44.91	mg/L	0.894	224.6	mg/L	4.47	1.99%
Potassium radialt	247.5	0.2459	mg/L	0.06132	1.230	mg/L	0.3066	24.93%
Strontium radialt	115411.4	0.2369	mg/L	0.00508	1.185	mg/L	0.0254	2.14%

Sequence No.: 14
Sample ID: L0023792-17AMS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 106
Date Collected: 1/9/2013 12:22:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0023792-17AMS

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0023792-17AMS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	581704.2	97.74	%	0.568				0.58%
Aluminumt	340127.3	5.432	mg/L	0.0011	5.432	mg/L	0.0011	0.02%
Antimonyt	20.8	0.0534	mg/L	0.00814	0.0534	mg/L	0.00814	15.25%
Arsenict	57.9	0.0790	mg/L	0.01260	0.0790	mg/L	0.01260	15.96%
Bariumt	13115.2	0.6999	mg/L	0.00626	0.6999	mg/L	0.00626	0.89%
Berylliumt	200757.1	0.1070	mg/L	0.00023	0.1070	mg/L	0.00023	0.21%
Boront	2720.6	0.1590	mg/L	0.00348	0.1590	mg/L	0.00348	2.19%
Cadmiumt	469.3	0.1028	mg/L	0.00198	0.1028	mg/L	0.00198	1.93%
Chromiumt	4917.0	0.1038	mg/L	0.00123	0.1038	mg/L	0.00123	1.19%
Cobaltt	369.6	0.0949	mg/L	0.00147	0.0949	mg/L	0.00147	1.55%
Coppert	7729.7	0.1046	mg/L	0.00054	0.1046	mg/L	0.00054	0.51%
Lithiumt	1343464.1	0.1180	mg/L	0.00018	0.1180	mg/L	0.00018	0.15%
Manganeset	39540.9	0.1207	mg/L	0.00151	0.1207	mg/L	0.00151	1.25%
Molybdenumt	379.8	0.1018	mg/L	0.00200	0.1018	mg/L	0.00200	1.96%
Nickelt	429.8	0.0988	mg/L	0.00108	0.0988	mg/L	0.00108	1.10%
Leadt	87.8	0.1135	mg/L	0.00366	0.1135	mg/L	0.00366	3.22%
Seleniumt	311.5	0.5999	mg/L	0.01435	0.5999	mg/L	0.01435	2.39%
Silvert	10693.9	0.0977	mg/L	0.00274	0.0977	mg/L	0.00274	2.81%
Strontiumt	18261390.0	1.183	mg/L	0.0176	1.183	mg/L	0.0176	1.49%
Tint	147.6	0.0986	mg/L	0.00342	0.0986	mg/L	0.00342	3.47%
Thalliumt	73.5	0.0718	mg/L	0.00219	0.0718	mg/L	0.00219	3.04%
Titaniumt	40144.5	0.1054	mg/L	0.00116	0.1054	mg/L	0.00116	1.10%
Vanadiumt	9618.0	0.1640	mg/L	0.00252	0.1640	mg/L	0.00252	1.54%
Zinct	667.2	0.1021	mg/L	0.00017	0.1021	mg/L	0.00017	0.16%
Argon	4623943.2	101.0	mg/L	0.39	101.0	mg/L	0.39	0.38%
Sodiumt	Saturated3							
Magnesiumt	16187425.5	99.21	mg/L	1.332	99.21	mg/L	1.332	1.34%
Iront	79810.9	5.184	mg/L	0.0682	5.184	mg/L	0.0682	1.32%
Calciumt	16213828.5	123.3	mg/L	1.84	123.3	mg/L	1.84	1.49%
Potassiumt	1774607.1	11.24	mg/L	0.016	11.24	mg/L	0.016	0.15%
Aluminum radialt	11938.2	5.509	mg/L	0.1168	5.509	mg/L	0.1168	2.12%
Calcium radialt	453353.2	124.4	mg/L	3.57	124.4	mg/L	3.57	2.87%
Iron radialt	1629.0	5.356	mg/L	0.0289	5.356	mg/L	0.0289	0.54%
Magnesium radialt	426640.0	97.67	mg/L	1.977	97.67	mg/L	1.977	2.02%
Sodium radialt	912871.0	225.9	mg/L	1.60	225.9	mg/L	1.60	0.71%
Potassium radialt	8366.4	7.136	mg/L	0.1294	7.136	mg/L	0.1294	1.81%
Strontium radialt	618371.2	1.270	mg/L	0.0119	1.270	mg/L	0.0119	0.94%

Sequence No.: 15
Sample ID: L0023792-17AMSD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 107
Date Collected: 1/9/2013 12:25:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0023792-17AMSD

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0023792-17AMSD

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	584082.7	98.14	%	1.518				1.55%
Aluminumt	340030.0	5.431	mg/L	0.0270	5.431	mg/L	0.0270	0.50%
Antimonyt	23.6	0.0603	mg/L	0.01797	0.0603	mg/L	0.01797	29.83%
Arsenict	53.4	0.0721	mg/L	0.00340	0.0721	mg/L	0.00340	4.71%
Bariumt	12898.2	0.6883	mg/L	0.01653	0.6883	mg/L	0.01653	2.40%
Berylliumt	200017.7	0.1066	mg/L	0.00027	0.1066	mg/L	0.00027	0.25%
Boront	2649.0	0.1548	mg/L	0.00678	0.1548	mg/L	0.00678	4.38%
Cadmiumt	469.1	0.1029	mg/L	0.00145	0.1029	mg/L	0.00145	1.41%
Chromiumt	4908.0	0.1037	mg/L	0.00114	0.1037	mg/L	0.00114	1.10%
Cobaltt	379.4	0.0975	mg/L	0.00154	0.0975	mg/L	0.00154	1.58%
Coppert	7822.8	0.1055	mg/L	0.00267	0.1055	mg/L	0.00267	2.53%
Lithiumt	1337539.3	0.1175	mg/L	0.00063	0.1175	mg/L	0.00063	0.53%
Manganeset	39450.3	0.1205	mg/L	0.00301	0.1205	mg/L	0.00301	2.50%
Molybdenumt	382.9	0.1026	mg/L	0.00287	0.1026	mg/L	0.00287	2.80%
Nickelt	429.6	0.0988	mg/L	0.00214	0.0988	mg/L	0.00214	2.17%
Leadt	77.5	0.0994	mg/L	0.00178	0.0994	mg/L	0.00178	1.79%
Seleniumt	307.8	0.5928	mg/L	0.02764	0.5928	mg/L	0.02764	4.66%
Silvert	10816.2	0.0990	mg/L	0.00188	0.0990	mg/L	0.00188	1.90%
Strontiumt	17867759.1	1.158	mg/L	0.0219	1.158	mg/L	0.0219	1.89%
Tint	151.4	0.1014	mg/L	0.00905	0.1014	mg/L	0.00905	8.93%
Thalliumt	69.0	0.0675	mg/L	0.00897	0.0675	mg/L	0.00897	13.28%
Titaniumt	39715.1	0.1042	mg/L	0.00257	0.1042	mg/L	0.00257	2.46%
Vanadiumt	9151.9	0.1559	mg/L	0.00403	0.1559	mg/L	0.00403	2.59%
Zinct	671.2	0.1028	mg/L	0.00331	0.1028	mg/L	0.00331	3.22%
Argon	4609992.3	100.7	mg/L	0.30	100.7	mg/L	0.30	0.30%
Sodiumt	Saturated3							
Magnesiumt	15835373.4	97.05	mg/L	1.829	97.05	mg/L	1.829	1.88%
Iront	79697.2	5.177	mg/L	0.1390	5.177	mg/L	0.1390	2.69%
Calciumt	15799263.8	120.1	mg/L	2.42	120.1	mg/L	2.42	2.01%
Potassiumt	1758881.2	11.14	mg/L	0.027	11.14	mg/L	0.027	0.24%
Aluminum radialt	11622.3	5.364	mg/L	0.1329	5.364	mg/L	0.1329	2.48%
Calcium radialt	433279.1	118.9	mg/L	2.68	118.9	mg/L	2.68	2.26%
Iron radialt	1606.2	5.282	mg/L	0.0791	5.282	mg/L	0.0791	1.50%
Magnesium radialt	410046.1	93.87	mg/L	1.599	93.87	mg/L	1.599	1.70%
Sodium radialt	901138.3	223.0	mg/L	6.43	223.0	mg/L	6.43	2.88%
Potassium radialt	8118.6	6.926	mg/L	0.0613	6.926	mg/L	0.0613	0.88%
Strontium radialt	610192.4	1.253	mg/L	0.0397	1.253	mg/L	0.0397	3.17%

Sequence No.: 16
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/9/2013 12:28:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	598135.2	100.5	%	1.56				1.55%
Aluminumt	31568.2	0.5036	mg/L	0.01150	0.5036	mg/L	0.01150	2.28%
QC value within limits for Aluminum Recovery = 100.73%								
Antimonyt	204.0	0.4902	mg/L	0.01442	0.4902	mg/L	0.01442	2.94%
QC value within limits for Antimony Recovery = 98.03%								
Arsenict	330.5	0.5013	mg/L	0.01127	0.5013	mg/L	0.01127	2.25%
QC value within limits for Arsenic Recovery = 100.25%								
Bariumt	9513.4	0.5077	mg/L	0.01264	0.5077	mg/L	0.01264	2.49%
QC value within limits for Barium Recovery = 101.53%								
Berylliumt	943365.3	0.5046	mg/L	0.00148	0.5046	mg/L	0.00148	0.29%
QC value within limits for Beryllium Recovery = 100.92%								
Boront	8635.3	0.5059	mg/L	0.01411	0.5059	mg/L	0.01411	2.79%
QC value within limits for Boron Recovery = 101.17%								
Cadmiumt	2232.0	0.4933	mg/L	0.00662	0.4933	mg/L	0.00662	1.34%
QC value within limits for Cadmium Recovery = 98.66%								
Chromiumt	23810.9	0.5080	mg/L	0.01480	0.5080	mg/L	0.01480	2.91%
QC value within limits for Chromium Recovery = 101.60%								
Cobaltt	1929.6	0.5013	mg/L	0.00505	0.5013	mg/L	0.00505	1.01%
QC value within limits for Cobalt Recovery = 100.27%								
Coppert	39911.0	0.5074	mg/L	0.01412	0.5074	mg/L	0.01412	2.78%
QC value within limits for Copper Recovery = 101.48%								
Lithiumt	5677211.0	0.5050	mg/L	0.01124	0.5050	mg/L	0.01124	2.23%
QC value within limits for Lithium Recovery = 100.99%								
Manganeset	165146.8	0.5077	mg/L	0.01365	0.5077	mg/L	0.01365	2.69%
QC value within limits for Manganese Recovery = 101.53%								
Molybdenumt	1851.6	0.5019	mg/L	0.00623	0.5019	mg/L	0.00623	1.24%
QC value within limits for Molybdenum Recovery = 100.37%								
Nickelt	2149.6	0.5004	mg/L	0.00595	0.5004	mg/L	0.00595	1.19%
QC value within limits for Nickel Recovery = 100.07%								
Leadt	365.0	0.4928	mg/L	0.00412	0.4928	mg/L	0.00412	0.84%
QC value within limits for Lead Recovery = 98.57%								
Seleniumt	265.5	0.5112	mg/L	0.01158	0.5112	mg/L	0.01158	2.27%
QC value within limits for Selenium Recovery = 102.24%								
Silvert	53758.8	0.5126	mg/L	0.01224	0.5126	mg/L	0.01224	2.39%
QC value within limits for Silver Recovery = 102.53%								
Strontiumt	3892426.9	0.2520	mg/L	0.00529	0.2520	mg/L	0.00529	2.10%
QC value within limits for Strontium Recovery = 100.80%								
Tint	726.4	0.4965	mg/L	0.00854	0.4965	mg/L	0.00854	1.72%
QC value within limits for Tin Recovery = 99.31%								
Thalliumt	527.3	0.4976	mg/L	0.00998	0.4976	mg/L	0.00998	2.01%
QC value within limits for Thallium Recovery = 99.51%								
Titaniumt	190069.0	0.5030	mg/L	0.00113	0.5030	mg/L	0.00113	0.22%
QC value within limits for Titanium Recovery = 100.61%								
Vanadiumt	28517.2	0.5040	mg/L	0.01536	0.5040	mg/L	0.01536	3.05%
QC value within limits for Vanadium Recovery = 100.80%								
Zinct	3230.5	0.5002	mg/L	0.00680	0.5002	mg/L	0.00680	1.36%
QC value within limits for Zinc Recovery = 100.04%								
Argon	4611882.6	100.7	mg/L	0.58	100.7	mg/L	0.58	0.58%
Sodiumt	1703974.6	4.945	mg/L	0.0221	4.945	mg/L	0.0221	0.45%
QC value within limits for Sodium Recovery = 98.90%								
Magnesiumt	83322.6	0.5108	mg/L	0.01271	0.5108	mg/L	0.01271	2.49%
QC value within limits for Magnesium Recovery = 102.15%								
Iront	7849.8	0.5089	mg/L	0.01308	0.5089	mg/L	0.01308	2.57%
QC value within limits for Iron Recovery = 101.79%								
Calciumt	71920.9	0.5397	mg/L	0.01560	0.5397	mg/L	0.01560	2.89%

QC value within limits for Calcium Recovery = 107.93%

Potassium†	722466.7	4.642 mg/L	0.0158	4.642 mg/L	0.0158	0.34%

QC value within limits for Potassium Recovery = 92.84%

Aluminum radial†	1017.0	0.4865 mg/L	0.00762	0.4865 mg/L	0.00762	1.57%

QC value within limits for Aluminum radial Recovery = 97.30%

Calcium radial†	1971.8	0.5448 mg/L	0.00624	0.5448 mg/L	0.00624	1.15%

QC value within limits for Calcium radial Recovery = 108.96%

Iron radial†	150.8	0.5106 mg/L	0.00028	0.5106 mg/L	0.00028	0.05%

QC value within limits for Iron radial Recovery = 102.12%

Magnesium radial†	2216.5	0.5166 mg/L	0.00590	0.5166 mg/L	0.00590	1.14%

QC value within limits for Magnesium radial Recovery = 103.31%

Sodium radial†	20366.6	5.042 mg/L	0.0433	5.042 mg/L	0.0433	0.86%

QC value within limits for Sodium radial Recovery = 100.84%

Potassium radial†	5883.5	5.029 mg/L	0.1010	5.029 mg/L	0.1010	2.01%

QC value within limits for Potassium radial Recovery = 100.58%

Strontium radial†	121946.3	0.2503 mg/L	0.00369	0.2503 mg/L	0.00369	1.48%

QC value within limits for Strontium radial Recovery = 100.14%

All analyte(s) passed QC.

Sequence No.: 17
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/9/2013 12:31:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	596010.8	100.1	%	1.61				1.61%
Aluminumt	-43.0	-0.0013	mg/L	0.00124	-0.0013	mg/L	0.00124	97.51%
QC value within limits for Aluminum Recovery = Not calculated								
Antimonyt	-5.6	-0.0111	mg/L	0.01233	-0.0111	mg/L	0.01233	110.78%
QC value within limits for Antimony Recovery = Not calculated								
Arsenict	-0.5	-0.0029	mg/L	0.00464	-0.0029	mg/L	0.00464	162.32%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	-8.7	-0.0010	mg/L	0.00012	-0.0010	mg/L	0.00012	11.85%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	68.5	-0.0005	mg/L	0.00005	-0.0005	mg/L	0.00005	9.80%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	15.7	0.0016	mg/L	0.00064	0.0016	mg/L	0.00064	40.86%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	-4.6	-0.0026	mg/L	0.00132	-0.0026	mg/L	0.00132	51.11%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	-24.2	-0.0019	mg/L	0.00046	-0.0019	mg/L	0.00046	24.76%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	0.7	-0.0012	mg/L	0.00108	-0.0012	mg/L	0.00108	91.66%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	108.6	0.0002	mg/L	0.00017	0.0002	mg/L	0.00017	81.91%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	183.6	-0.0019	mg/L	0.00001	-0.0019	mg/L	0.00001	0.54%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	20.1	-0.0010	mg/L	0.00007	-0.0010	mg/L	0.00007	7.40%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-7.6	-0.0035	mg/L	0.00198	-0.0035	mg/L	0.00198	57.23%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	-2.4	-0.0023	mg/L	0.00086	-0.0023	mg/L	0.00086	36.70%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	4.4	-0.0009	mg/L	0.00195	-0.0009	mg/L	0.00195	222.82%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	-0.5	0.0047	mg/L	0.00191	0.0047	mg/L	0.00191	40.76%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	91.7	-0.0005	mg/L	0.00055	-0.0005	mg/L	0.00055	108.99%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	100.2	-0.0011	mg/L	0.00002	-0.0011	mg/L	0.00002	1.68%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-2.4	-0.0004	mg/L	0.00300	-0.0004	mg/L	0.00300	683.04%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-0.4	0.0025	mg/L	0.00897	0.0025	mg/L	0.00897	360.16%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	-2.5	-0.0011	mg/L	0.00019	-0.0011	mg/L	0.00019	16.53%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	-176.2	-0.0025	mg/L	0.00029	-0.0025	mg/L	0.00029	11.54%
QC value within limits for Vanadium Recovery = Not calculated								
Zinct	1.0	-0.0013	mg/L	0.00035	-0.0013	mg/L	0.00035	26.63%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4608929.5	100.7	mg/L	0.32	100.7	mg/L	0.32	0.32%
Sodiumt	3121.1	0.0964	mg/L	0.00027	0.0964	mg/L	0.00027	0.28%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	101.5	0.0007	mg/L	0.00025	0.0007	mg/L	0.00025	35.85%
QC value within limits for Magnesium Recovery = Not calculated								
Iront	-0.6	-0.0011	mg/L	0.00029	-0.0011	mg/L	0.00029	27.86%
QC value within limits for Iron Recovery = Not calculated								
Calciumt	-20.1	-0.0075	mg/L	0.00092	-0.0075	mg/L	0.00092	12.34%

QC value within limits for Calcium Recovery = Not calculated

Potassium†	86.5	0.1154 mg/L	0.00098	0.1154 mg/L	0.00098 0.85%

QC value within limits for Potassium Recovery = Not calculated

Aluminum radial†	3.3	0.0203 mg/L	0.00974	0.0203 mg/L	0.00974 48.07%

QC value within limits for Aluminum radial Recovery = Not calculated

Calcium radial†	14.2	0.0078 mg/L	0.00358	0.0078 mg/L	0.00358 45.74%

QC value within limits for Calcium radial Recovery = Not calculated

Iron radial†	-2.3	0.0087 mg/L	0.00862	0.0087 mg/L	0.00862 98.61%

QC value within limits for Iron radial Recovery = Not calculated

Magnesium radial†	10.0	0.0115 mg/L	0.00184	0.0115 mg/L	0.00184 16.00%

QC value within limits for Magnesium radial Recovery = Not calculated

Sodium radial†	202.8	0.0531 mg/L	0.01123	0.0531 mg/L	0.01123 21.15%

QC value within limits for Sodium radial Recovery = Not calculated

Potassium radial†	2.0	0.0376 mg/L	0.02361	0.0376 mg/L	0.02361 62.77%

QC value within limits for Potassium radial Recovery = Not calculated

Strontium radial†	-8.3	-0.0001 mg/L	0.00005	-0.0001 mg/L	0.00005 71.56%

QC value within limits for Strontium radial Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 18
Sample ID: L0023792-17APDS
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 108
Date Collected: 1/9/2013 12:34:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0023792-17APDS

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0023792-17APDS

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium	587089.7	98.64	%	1.428				1.45%
Aluminumt	19247.9	0.3069	mg/L	0.00681	1.534	mg/L	0.0341	2.22%
Antimonyt	98.3	0.2373	mg/L	0.00826	1.186	mg/L	0.0413	3.48%
Arsenict	167.5	0.2515	mg/L	0.00435	1.258	mg/L	0.0217	1.73%
Bariumt	7053.8	0.3763	mg/L	0.01081	1.881	mg/L	0.0541	2.87%
Berylliumt	494984.2	0.2645	mg/L	0.00133	1.323	mg/L	0.0067	0.50%
Boront	4622.0	0.2711	mg/L	0.00423	1.355	mg/L	0.0212	1.56%
Cadmiumt	1148.3	0.2531	mg/L	0.00509	1.265	mg/L	0.0255	2.01%
Chromiumt	11997.8	0.2553	mg/L	0.00731	1.277	mg/L	0.0366	2.86%
Cobaltt	965.7	0.2502	mg/L	0.00449	1.251	mg/L	0.0225	1.80%
Coppert	19758.9	0.2520	mg/L	0.00529	1.260	mg/L	0.0265	2.10%
Lithiumt	2805317.4	0.2486	mg/L	0.00144	1.243	mg/L	0.0072	0.58%
Manganeset	84482.2	0.2592	mg/L	0.00712	1.296	mg/L	0.0356	2.75%
Molybdenumt	950.3	0.2569	mg/L	0.00357	1.285	mg/L	0.0178	1.39%
Nickelt	1091.8	0.2533	mg/L	0.00333	1.266	mg/L	0.0167	1.31%
Leadt	185.7	0.2474	mg/L	0.00628	1.237	mg/L	0.0314	2.54%
Seleniumt	143.5	0.2789	mg/L	0.00399	1.394	mg/L	0.0200	1.43%
Silvert	26897.8	0.2553	mg/L	0.00609	1.276	mg/L	0.0305	2.39%
Strontiumt	5590480.4	0.3618	mg/L	0.00327	1.809	mg/L	0.0164	0.91%
Tint	8.5	0.0063	mg/L	0.00397	0.0316	mg/L	0.01983	62.74%
Thalliumt	252.1	0.2393	mg/L	0.01248	1.197	mg/L	0.0624	5.22%
Titaniumt	97563.1	0.2577	mg/L	0.00650	1.288	mg/L	0.0325	2.52%
Vanadiumt	15628.5	0.2753	mg/L	0.00818	1.377	mg/L	0.0409	2.97%
Zinct	1641.5	0.2535	mg/L	0.00318	1.267	mg/L	0.0159	1.25%
Argon	4672346.0	102.1	mg/L	0.25	510.3	mg/L	1.25	0.25%
Sodiumt	19581361.6	55.91	mg/L	0.707	279.5	mg/L	3.54	1.27%
Magnesiumt	3325531.7	20.38	mg/L	0.108	101.9	mg/L	0.54	0.53%
Iront	4020.4	0.2602	mg/L	0.00373	1.301	mg/L	0.0187	1.43%
Calciumt	3219926.9	24.48	mg/L	0.138	122.4	mg/L	0.69	0.57%
Potassiumt	528970.8	3.430	mg/L	0.0178	17.15	mg/L	0.089	0.52%
Aluminum radialt	760.6	0.3686	mg/L	0.04098	1.843	mg/L	0.2049	11.12%
Calcium radialt	89838.2	24.65	mg/L	0.570	123.2	mg/L	2.85	2.31%
Iron radialt	80.2	0.2792	mg/L	0.00358	1.396	mg/L	0.0179	1.28%
Magnesium radialt	85144.6	19.50	mg/L	0.318	97.50	mg/L	1.589	1.63%
Sodium radialt	192374.6	47.60	mg/L	0.768	238.0	mg/L	3.84	1.61%
Potassium radialt	3446.4	2.961	mg/L	0.0816	14.80	mg/L	0.408	2.76%
Strontium radialt	178217.6	0.3659	mg/L	0.00657	1.829	mg/L	0.0328	1.80%

Sequence No.: 19
Sample ID: L0023792-17APDSD
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 109
Date Collected: 1/9/2013 12:37:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0023792-17APDSD

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0023792-17APDSD

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	589251.4	99.01	%	0.556				0.56%
Aluminumt	20523.2	0.3272	mg/L	0.00293	1.636	mg/L	0.0147	0.90%
Antimonyt	96.7	0.2335	mg/L	0.00598	1.167	mg/L	0.0299	2.56%
Arsenict	169.0	0.2537	mg/L	0.00307	1.269	mg/L	0.0154	1.21%
Bariumt	6997.7	0.3733	mg/L	0.00059	1.866	mg/L	0.0030	0.16%
Berylliumt	490964.4	0.2624	mg/L	0.00012	1.312	mg/L	0.0006	0.05%
Boront	4544.2	0.2665	mg/L	0.00309	1.333	mg/L	0.0155	1.16%
Cadmiumt	1122.0	0.2471	mg/L	0.00067	1.235	mg/L	0.0033	0.27%
Chromiumt	11781.0	0.2507	mg/L	0.00252	1.253	mg/L	0.0126	1.01%
Cobaltt	950.5	0.2462	mg/L	0.00182	1.231	mg/L	0.0091	0.74%
Coppert	19611.3	0.2501	mg/L	0.00084	1.251	mg/L	0.0042	0.34%
Lithiumt	2790763.2	0.2473	mg/L	0.00088	1.236	mg/L	0.0044	0.36%
Manganeset	83467.3	0.2560	mg/L	0.00140	1.280	mg/L	0.0070	0.55%
Molybdenumt	943.7	0.2551	mg/L	0.00201	1.275	mg/L	0.0100	0.79%
Nickelt	1073.6	0.2490	mg/L	0.00274	1.245	mg/L	0.0137	1.10%
Leadt	188.5	0.2512	mg/L	0.00373	1.256	mg/L	0.0187	1.49%
Seleniumt	155.2	0.3012	mg/L	0.00795	1.506	mg/L	0.0398	2.64%
Silvert	26624.8	0.2527	mg/L	0.00083	1.263	mg/L	0.0041	0.33%
Strontiumt	5480290.5	0.3546	mg/L	0.00289	1.773	mg/L	0.0145	0.82%
Tint	-0.6	0.0001	mg/L	0.00574	0.0007	mg/L	0.02868	>999.9%
Thalliumt	253.7	0.2409	mg/L	0.00714	1.204	mg/L	0.0357	2.96%
Titaniumt	96122.9	0.2538	mg/L	0.00098	1.269	mg/L	0.0049	0.39%
Vanadiumt	15431.5	0.2719	mg/L	0.00325	1.359	mg/L	0.0162	1.19%
Zinct	1622.0	0.2504	mg/L	0.00376	1.252	mg/L	0.0188	1.50%
Argon	4638050.4	101.3	mg/L	0.05	506.5	mg/L	0.25	0.05%
Sodiumt	19181585.5	54.77	mg/L	0.554	273.8	mg/L	2.77	1.01%
Magnesiumt	3292204.3	20.18	mg/L	0.041	100.9	mg/L	0.20	0.20%
Iront	3978.9	0.2575	mg/L	0.00159	1.287	mg/L	0.0079	0.62%
Calciumt	3188435.5	24.24	mg/L	0.010	121.2	mg/L	0.05	0.04%
Potassiumt	527742.1	3.422	mg/L	0.0233	17.11	mg/L	0.117	0.68%
Aluminum radialt	739.6	0.3589	mg/L	0.03199	1.795	mg/L	0.1600	8.91%
Calcium radialt	87829.5	24.10	mg/L	0.498	120.5	mg/L	2.49	2.07%
Iron radialt	76.8	0.2679	mg/L	0.00317	1.340	mg/L	0.0159	1.18%
Magnesium radialt	83425.9	19.11	mg/L	0.444	95.53	mg/L	2.221	2.32%
Sodium radialt	188453.1	46.63	mg/L	0.986	233.1	mg/L	4.93	2.11%
Potassium radialt	3440.2	2.955	mg/L	0.1013	14.78	mg/L	0.507	3.43%
Strontium radialt	174495.3	0.3582	mg/L	0.00727	1.791	mg/L	0.0364	2.03%

Sequence No.: 20
Sample ID: L0023792-02A
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 110
Date Collected: 1/9/2013 12:40:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0023792-02A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0023792-02A

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	673460.9	113.2	%	0.53				0.47%
Aluminumt	2186192.2	34.92	mg/L	0.188	174.6	mg/L	0.94	0.54%
Antimonyt	-5.3	0.0042	mg/L	0.00330	0.0211	mg/L	0.01650	78.22%
Arsenict	-2.2	-0.0068	mg/L	0.01265	-0.0341	mg/L	0.06324	185.67%
Bariumt	81.8	0.0020	mg/L	0.00046	0.0102	mg/L	0.00232	22.77%
Berylliumt	8462.4	0.0040	mg/L	0.00005	0.0199	mg/L	0.00024	1.18%
Boront	932.8	0.0489	mg/L	0.00231	0.2447	mg/L	0.01155	4.72%
Cadmiumt	0.0	-0.0014	mg/L	0.00180	-0.0068	mg/L	0.00899	132.28%
Chromiumt	675.1	0.0131	mg/L	0.00033	0.0655	mg/L	0.00167	2.54%
Cobaltt	118.8	0.0297	mg/L	0.00204	0.1483	mg/L	0.01022	6.89%
Coppert	-120.2	-0.0019	mg/L	0.00071	-0.0093	mg/L	0.00356	38.23%
Lithiumt	367101.0	0.0309	mg/L	0.00015	0.1544	mg/L	0.00073	0.47%
Manganeset	307436.3	0.9460	mg/L	0.01622	4.730	mg/L	0.0811	1.71%
Molybdenumt	-14.1	-0.0056	mg/L	0.00187	-0.0282	mg/L	0.00934	33.12%
Nickelt	161.0	0.0375	mg/L	0.00101	0.1873	mg/L	0.00506	2.70%
Leadt	2.0	-0.0032	mg/L	0.00549	-0.0161	mg/L	0.02747	171.06%
Seleniumt	0.8	0.0157	mg/L	0.02354	0.0787	mg/L	0.11772	149.61%
Silvert	99.8	-0.0006	mg/L	0.00096	-0.0029	mg/L	0.00479	167.85%
Strontiumt	2243293.8	0.1444	mg/L	0.00053	0.7221	mg/L	0.00265	0.37%
Tint	-5.8	-0.0032	mg/L	0.00345	-0.0158	mg/L	0.01723	109.33%
Thalliumt	-10.1	-0.0067	mg/L	0.00755	-0.0335	mg/L	0.03774	112.65%
Titaniumt	520.3	0.0003	mg/L	0.00027	0.0013	mg/L	0.00134	105.98%
Vanadiumt	1970.0	0.0285	mg/L	0.00073	0.1427	mg/L	0.00365	2.56%
Zinct	389.0	0.0589	mg/L	0.00016	0.2947	mg/L	0.00081	0.28%
Argon	4680340.2	102.2	mg/L	0.22	511.2	mg/L	1.08	0.21%
Sodiumt	23979918.7	68.45	mg/L	0.425	342.2	mg/L	2.12	0.62%
Magnesiumt	2513650.3	15.41	mg/L	0.050	77.03	mg/L	0.248	0.32%
Iront	591900.6	38.45	mg/L	0.062	192.3	mg/L	0.31	0.16%
Calciumt	1884772.7	14.33	mg/L	0.022	71.63	mg/L	0.109	0.15%
Potassiumt	259136.6	1.739	mg/L	0.0126	8.694	mg/L	0.0631	0.73%
Aluminum radialt	73189.0	33.68	mg/L	0.841	168.4	mg/L	4.20	2.50%
Calcium radialt	52623.5	14.44	mg/L	0.115	72.19	mg/L	0.573	0.79%
Iron radialt	11973.5	39.27	mg/L	0.421	196.3	mg/L	2.10	1.07%
Magnesium radialt	64002.1	14.66	mg/L	0.044	73.30	mg/L	0.219	0.30%
Sodium radialt	231223.3	57.21	mg/L	1.368	286.0	mg/L	6.84	2.39%
Potassium radialt	1547.6	1.349	mg/L	0.0402	6.747	mg/L	0.2009	2.98%
Strontium radialt	73651.2	0.1512	mg/L	0.00412	0.7559	mg/L	0.02058	2.72%

Sequence No.: 21
Sample ID: L0024318-02A
Analyst:
Initial Sample Wt:
Dilution: 25X

Autosampler Location: 113
Date Collected: 1/9/2013 12:42:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024318-02A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024318-02A

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	593486.8	99.72	%	1.847				1.85%
Aluminumt	87959.2	1.404	mg/L	0.0066	35.11	mg/L	0.165	0.47%
Antimonyt	-14.6	0.0175	mg/L	0.00904	0.4365	mg/L	0.22599	51.77%
Arsenict	-2.4	-0.0038	mg/L	0.00582	-0.0959	mg/L	0.14538	151.52%
Bariumt	1485.2	0.0726	mg/L	0.00138	1.814	mg/L	0.0345	1.90%
Berylliumt	-36.3	-0.0006	mg/L	0.00000	-0.0140	mg/L	0.00010	0.73%
Boront	291.3	-0.0046	mg/L	0.00416	-0.1148	mg/L	0.10400	90.57%
Cadmiumt	6.4	0.0000	mg/L	0.00071	0.0000	mg/L	0.01781	>999.9%
Chromiumt	4052.8	0.0854	mg/L	0.00384	2.134	mg/L	0.0961	4.50%
Cobaltt	38.6	0.0072	mg/L	0.00063	0.1793	mg/L	0.01585	8.84%
Coppert	9738.8	0.1231	mg/L	0.00180	3.077	mg/L	0.0451	1.47%
Lithiumt	24122.1	0.0003	mg/L	0.00001	0.0063	mg/L	0.00031	4.91%
Manganeset	577045.7	1.776	mg/L	0.0090	44.41	mg/L	0.225	0.51%
Molybdenumt	216.0	0.0558	mg/L	0.00223	1.394	mg/L	0.0557	4.00%
Nickelt	587.5	0.1412	mg/L	0.00333	3.529	mg/L	0.0832	2.36%
Leadt	6.1	0.0015	mg/L	0.00954	0.0367	mg/L	0.23838	650.23%
Seleniumt	-36.6	-0.0366	mg/L	0.00708	-0.9147	mg/L	0.17695	19.35%
Silvert	41.8	-0.0008	mg/L	0.00054	-0.0207	mg/L	0.01359	65.76%
Strontiumt	546297.6	0.0344	mg/L	0.00013	0.8597	mg/L	0.00319	0.37%
Tint	13.4	0.0102	mg/L	0.00166	0.2555	mg/L	0.04144	16.22%
Thalliumt	-15.3	-0.0115	mg/L	0.00414	-0.2875	mg/L	0.10360	36.04%
Titaniumt	290116.0	0.7684	mg/L	0.00357	19.21	mg/L	0.089	0.46%
Vanadiumt	1515.3	0.0062	mg/L	0.00101	0.1551	mg/L	0.02535	16.34%
Zinct	217.1	0.0322	mg/L	0.00052	0.8062	mg/L	0.01309	1.62%
Argon	4587273.8	100.2	mg/L	0.31	2505	mg/L	7.8	0.31%
Sodiumt	68322.7	0.2822	mg/L	0.00140	7.056	mg/L	0.0350	0.50%
Magnesiumt	52994.1	0.3249	mg/L	0.00734	8.122	mg/L	0.1835	2.26%
Iront	2019443.1	131.2	mg/L	0.63	3280	mg/L	15.9	0.48%
Calciumt	335912.5	2.547	mg/L	0.0150	63.68	mg/L	0.375	0.59%
Potassiumt	5039.5	0.1465	mg/L	0.00088	3.662	mg/L	0.0220	0.60%
Aluminum radialt	2971.7	1.385	mg/L	0.0318	34.64	mg/L	0.794	2.29%
Calcium radialt	9362.0	2.572	mg/L	0.0584	64.30	mg/L	1.461	2.27%
Iron radialt	42380.3	138.9	mg/L	2.92	3474	mg/L	73.0	2.10%
Magnesium radialt	1409.8	0.3319	mg/L	0.00530	8.298	mg/L	0.1324	1.60%
Sodium radialt	1043.5	0.2611	mg/L	0.00874	6.527	mg/L	0.2186	3.35%
Potassium radialt	59.6	0.0865	mg/L	0.01666	2.162	mg/L	0.4165	19.26%
Strontium radialt	17122.2	0.0351	mg/L	0.00042	0.8776	mg/L	0.01049	1.20%

Sequence No.: 22
Sample ID: L0024318-04A
Analyst:
Initial Sample Wt:
Dilution: 25X

Autosampler Location: 114
Date Collected: 1/9/2013 12:45:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024318-04A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024318-04A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	604127.9	101.5	%	0.63				0.62%
Aluminumt	9213.8	0.1466	mg/L	0.00118	3.665	mg/L	0.0294	0.80%
Antimonyt	-3.2	0.0333	mg/L	0.00754	0.8313	mg/L	0.18854	22.68%
Arsenict	10.6	0.0143	mg/L	0.01155	0.3585	mg/L	0.28872	80.54%
Bariumt	1875.2	0.0950	mg/L	0.00157	2.374	mg/L	0.0391	1.65%
Berylliumt	193.9	-0.0004	mg/L	0.00004	-0.0110	mg/L	0.00104	9.49%
Boront	378.1	0.0061	mg/L	0.00369	0.1529	mg/L	0.09230	60.37%
Cadmiumt	-1.5	-0.0022	mg/L	0.00128	-0.0554	mg/L	0.03188	57.58%
Chromiumt	1515.2	0.0311	mg/L	0.00082	0.7769	mg/L	0.02062	2.65%
Cobaltt	33.1	0.0071	mg/L	0.00081	0.1763	mg/L	0.02016	11.44%
Coppert	5760.4	0.0722	mg/L	0.00055	1.806	mg/L	0.0137	0.76%
Lithiumt	5155.2	-0.0014	mg/L	0.00001	-0.0361	mg/L	0.00027	0.75%
Manganeset	395232.0	1.216	mg/L	0.0036	30.41	mg/L	0.090	0.30%
Molybdenumt	19.2	0.0027	mg/L	0.00215	0.0671	mg/L	0.05381	80.20%
Nickelt	148.0	0.0371	mg/L	0.00109	0.9266	mg/L	0.02730	2.95%
Leadt	17.4	0.0169	mg/L	0.01325	0.4233	mg/L	0.33127	78.26%
Seleniumt	-30.3	-0.0316	mg/L	0.00542	-0.7895	mg/L	0.13541	17.15%
Silvert	100.0	-0.0004	mg/L	0.00049	-0.0094	mg/L	0.01217	130.09%
Strontiumt	188069.7	0.0112	mg/L	0.00006	0.2788	mg/L	0.00160	0.58%
Tint	15.2	0.0115	mg/L	0.00453	0.2876	mg/L	0.11327	39.39%
Thalliumt	-13.5	-0.0099	mg/L	0.00505	-0.2470	mg/L	0.12616	51.09%
Titaniumt	45309.3	0.1191	mg/L	0.00164	2.976	mg/L	0.0411	1.38%
Vanadiumt	290.1	-0.0101	mg/L	0.00216	-0.2518	mg/L	0.05391	21.41%
Zinct	791.9	0.1215	mg/L	0.00175	3.038	mg/L	0.0438	1.44%
Argon	4611661.8	100.7	mg/L	0.24	2518	mg/L	6.0	0.24%
Sodiumt	566528.3	1.702	mg/L	0.0088	42.56	mg/L	0.220	0.52%
Magnesiumt	1040.2	0.0065	mg/L	0.00033	0.1615	mg/L	0.00833	5.16%
Iront	1535582.2	99.76	mg/L	0.370	2494	mg/L	9.3	0.37%
Calciumt	61576.6	0.4610	mg/L	0.00594	11.52	mg/L	0.149	1.29%
Potassiumt	4027.1	0.1401	mg/L	0.00105	3.504	mg/L	0.0263	0.75%
Aluminum radialt	339.0	0.1747	mg/L	0.00774	4.366	mg/L	0.1934	4.43%
Calcium radialt	1734.4	0.4797	mg/L	0.00782	11.99	mg/L	0.196	1.63%
Iron radialt	31675.0	103.9	mg/L	2.15	2596	mg/L	53.8	2.07%
Magnesium radialt	34.5	0.0171	mg/L	0.00107	0.4279	mg/L	0.02683	6.27%
Sodium radialt	7649.3	1.895	mg/L	0.0389	47.39	mg/L	0.972	2.05%
Potassium radialt	18.9	0.0519	mg/L	0.07105	1.298	mg/L	1.7762	136.82%
Strontium radialt	5879.0	0.0120	mg/L	0.00045	0.3005	mg/L	0.01117	3.72%

Sequence No.: 23
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/9/2013 12:48:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	607898.9	102.1	%	1.11				1.09%
Aluminumt	31416.9	0.5012	mg/L	0.00725	0.5012	mg/L	0.00725	1.45%
QC value within limits for Aluminum Recovery = 100.25%								
Antimonyt	201.2	0.4836	mg/L	0.02115	0.4836	mg/L	0.02115	4.37%
QC value within limits for Antimony Recovery = 96.72%								
Arsenict	323.8	0.4911	mg/L	0.00686	0.4911	mg/L	0.00686	1.40%
QC value within limits for Arsenic Recovery = 98.21%								
Bariumt	9382.6	0.5007	mg/L	0.00857	0.5007	mg/L	0.00857	1.71%
QC value within limits for Barium Recovery = 100.14%								
Berylliumt	941200.9	0.5034	mg/L	0.00224	0.5034	mg/L	0.00224	0.44%
QC value within limits for Beryllium Recovery = 100.69%								
Boront	8528.0	0.4996	mg/L	0.01141	0.4996	mg/L	0.01141	2.28%
QC value within limits for Boron Recovery = 99.92%								
Cadmiumt	2216.0	0.4899	mg/L	0.00560	0.4899	mg/L	0.00560	1.14%
QC value within limits for Cadmium Recovery = 97.98%								
Chromiumt	23512.2	0.5016	mg/L	0.01145	0.5016	mg/L	0.01145	2.28%
QC value within limits for Chromium Recovery = 100.33%								
Cobaltt	1921.6	0.4992	mg/L	0.00602	0.4992	mg/L	0.00602	1.21%
QC value within limits for Cobalt Recovery = 99.85%								
Coppert	39457.3	0.5016	mg/L	0.00809	0.5016	mg/L	0.00809	1.61%
QC value within limits for Copper Recovery = 100.32%								
Lithiumt	5574525.3	0.4958	mg/L	0.00490	0.4958	mg/L	0.00490	0.99%
QC value within limits for Lithium Recovery = 99.16%								
Manganeset	162622.0	0.4999	mg/L	0.00881	0.4999	mg/L	0.00881	1.76%
QC value within limits for Manganese Recovery = 99.97%								
Molybdenumt	1827.4	0.4953	mg/L	0.00810	0.4953	mg/L	0.00810	1.63%
QC value within limits for Molybdenum Recovery = 99.06%								
Nickelt	2148.7	0.5001	mg/L	0.00776	0.5001	mg/L	0.00776	1.55%
QC value within limits for Nickel Recovery = 100.03%								
Leadt	360.4	0.4865	mg/L	0.01306	0.4865	mg/L	0.01306	2.68%
QC value within limits for Lead Recovery = 97.31%								
Seleniumt	263.1	0.5067	mg/L	0.02230	0.5067	mg/L	0.02230	4.40%
QC value within limits for Selenium Recovery = 101.33%								
Silvert	53145.7	0.5068	mg/L	0.00692	0.5068	mg/L	0.00692	1.37%
QC value within limits for Silver Recovery = 101.35%								
Strontiumt	3848619.2	0.2491	mg/L	0.00311	0.2491	mg/L	0.00311	1.25%
QC value within limits for Strontium Recovery = 99.66%								
Tint	719.9	0.4921	mg/L	0.00842	0.4921	mg/L	0.00842	1.71%
QC value within limits for Tin Recovery = 98.42%								
Thalliumt	523.1	0.4936	mg/L	0.00728	0.4936	mg/L	0.00728	1.48%
QC value within limits for Thallium Recovery = 98.73%								
Titaniumt	189613.7	0.5018	mg/L	0.00283	0.5018	mg/L	0.00283	0.56%
QC value within limits for Titanium Recovery = 100.37%								
Vanadiumt	28155.4	0.4976	mg/L	0.00933	0.4976	mg/L	0.00933	1.87%
QC value within limits for Vanadium Recovery = 99.52%								
Zinct	3204.7	0.4962	mg/L	0.00508	0.4962	mg/L	0.00508	1.02%
QC value within limits for Zinc Recovery = 99.24%								
Argon	4625544.3	101.0	mg/L	0.17	101.0	mg/L	0.17	0.17%
Sodiumt	1688069.1	4.900	mg/L	0.0242	4.900	mg/L	0.0242	0.49%
QC value within limits for Sodium Recovery = 97.99%								
Magnesiumt	81681.3	0.5007	mg/L	0.00838	0.5007	mg/L	0.00838	1.67%
QC value within limits for Magnesium Recovery = 100.14%								
Iront	7806.9	0.5062	mg/L	0.00572	0.5062	mg/L	0.00572	1.13%
QC value within limits for Iron Recovery = 101.23%								
Calciumt	70648.5	0.5300	mg/L	0.00992	0.5300	mg/L	0.00992	1.87%

QC value within limits for Calcium Recovery = 106.00%

Potassium†	719852.4	4.626 mg/L	0.0252	4.626 mg/L	0.0252	0.55%

QC value within limits for Potassium Recovery = 92.51%

Aluminum radial†	1003.4	0.4802 mg/L	0.02312	0.4802 mg/L	0.02312	4.81%

QC value within limits for Aluminum radial Recovery = 96.05%

Calcium radial†	1936.0	0.5350 mg/L	0.00764	0.5350 mg/L	0.00764	1.43%

QC value within limits for Calcium radial Recovery = 107.00%

Iron radial†	149.1	0.5052 mg/L	0.01621	0.5052 mg/L	0.01621	3.21%

QC value within limits for Iron radial Recovery = 101.04%

Magnesium radial†	2174.7	0.5070 mg/L	0.00767	0.5070 mg/L	0.00767	1.51%

QC value within limits for Magnesium radial Recovery = 101.40%

Sodium radial†	20113.4	4.979 mg/L	0.0256	4.979 mg/L	0.0256	0.51%

QC value within limits for Sodium radial Recovery = 99.58%

Potassium radial†	5831.4	4.985 mg/L	0.1300	4.985 mg/L	0.1300	2.61%

QC value within limits for Potassium radial Recovery = 99.70%

Strontium radial†	121405.9	0.2492 mg/L	0.00219	0.2492 mg/L	0.00219	0.88%

QC value within limits for Strontium radial Recovery = 99.69%

All analyte(s) passed QC.

Sequence No.: 24
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/9/2013 12:51:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	594543.9	99.90	%	1.632				1.63%
Aluminumt	86.5	0.0008	mg/L	0.00284	0.0008	mg/L	0.00284	355.67%
QC value within limits for Aluminum Recovery = Not calculated								
Antimonyt	-4.0	-0.0070	mg/L	0.00859	-0.0070	mg/L	0.00859	121.90%
QC value within limits for Antimony Recovery = Not calculated								
Arsenict	-1.1	-0.0038	mg/L	0.00569	-0.0038	mg/L	0.00569	149.37%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	-5.2	-0.0009	mg/L	0.00038	-0.0009	mg/L	0.00038	44.70%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	-40.7	-0.0006	mg/L	0.00006	-0.0006	mg/L	0.00006	10.54%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	12.6	0.0014	mg/L	0.00033	0.0014	mg/L	0.00033	23.89%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	2.0	-0.0011	mg/L	0.00190	-0.0011	mg/L	0.00190	175.66%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	-14.1	-0.0016	mg/L	0.00059	-0.0016	mg/L	0.00059	36.18%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	-2.0	-0.0019	mg/L	0.00064	-0.0019	mg/L	0.00064	34.27%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	-51.0	-0.0018	mg/L	0.00033	-0.0018	mg/L	0.00033	18.13%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	173.3	-0.0019	mg/L	0.00002	-0.0019	mg/L	0.00002	0.90%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	11.9	-0.0010	mg/L	0.00004	-0.0010	mg/L	0.00004	4.17%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-3.5	-0.0023	mg/L	0.00032	-0.0023	mg/L	0.00032	13.47%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	4.7	-0.0007	mg/L	0.00056	-0.0007	mg/L	0.00056	83.56%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	1.1	-0.0054	mg/L	0.00713	-0.0054	mg/L	0.00713	132.61%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	6.6	0.0181	mg/L	0.01091	0.0181	mg/L	0.01091	60.24%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	27.8	-0.0011	mg/L	0.00098	-0.0011	mg/L	0.00098	88.87%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	0.3	-0.0011	mg/L	0.00001	-0.0011	mg/L	0.00001	1.16%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-2.8	-0.0007	mg/L	0.00056	-0.0007	mg/L	0.00056	77.55%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-1.6	0.0014	mg/L	0.00442	0.0014	mg/L	0.00442	326.21%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	29.7	-0.0010	mg/L	0.00007	-0.0010	mg/L	0.00007	7.07%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	-106.1	-0.0013	mg/L	0.00090	-0.0013	mg/L	0.00090	70.96%
QC value within limits for Vanadium Recovery = Not calculated								
Zinct	8.8	-0.0001	mg/L	0.00134	-0.0001	mg/L	0.00134	>999.9%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4579645.4	100.0	mg/L	0.48	100.0	mg/L	0.48	0.48%
Sodiumt	721.4	0.0895	mg/L	0.00033	0.0895	mg/L	0.00033	0.37%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	-34.0	-0.0001	mg/L	0.00011	-0.0001	mg/L	0.00011	87.87%
QC value within limits for Magnesium Recovery = Not calculated								
Iront	11.3	-0.0003	mg/L	0.00032	-0.0003	mg/L	0.00032	112.43%
QC value within limits for Iron Recovery = Not calculated								
Calciumt	-37.5	-0.0076	mg/L	0.00087	-0.0076	mg/L	0.00087	11.49%

QC value within limits for Calcium Recovery = Not calculated

Potassium†	-55.2	0.1146 mg/L	0.00102	0.1146 mg/L	0.00102	0.89%

QC value within limits for Potassium Recovery = Not calculated

Aluminum radial†	-0.4	0.0186 mg/L	0.00737	0.0186 mg/L	0.00737	39.69%

QC value within limits for Aluminum radial Recovery = Not calculated

Calcium radial†	-1.3	0.0036 mg/L	0.00296	0.0036 mg/L	0.00296	82.94%

QC value within limits for Calcium radial Recovery = Not calculated

Iron radial†	-3.7	0.0042 mg/L	0.01036	0.0042 mg/L	0.01036	247.76%

QC value within limits for Iron radial Recovery = Not calculated

Magnesium radial†	2.1	0.0097 mg/L	0.00139	0.0097 mg/L	0.00139	14.38%

QC value within limits for Magnesium radial Recovery = Not calculated

Sodium radial†	83.4	0.0236 mg/L	0.00092	0.0236 mg/L	0.00092	3.89%

QC value within limits for Sodium radial Recovery = Not calculated

Potassium radial†	8.3	0.0429 mg/L	0.02743	0.0429 mg/L	0.02743	63.91%

QC value within limits for Potassium radial Recovery = Not calculated

Strontium radial†	-12.5	-0.0001 mg/L	0.00000	-0.0001 mg/L	0.00000	4.45%

QC value within limits for Strontium radial Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 25
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 1/9/2013 12:54:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	557811.0	93.72	%	1.164				1.24%
Aluminumt	30843645.5	492.7	mg/L	9.53	492.7	mg/L	9.53	1.93%
Antimonyt	-55.6	0.0417	mg/L	0.02800	0.0417	mg/L	0.02800	67.10%
QC value greater than the upper limit for Antimony Recovery = Not calculated								
Arsenict	13.7	-0.0010	mg/L	0.00547	-0.0010	mg/L	0.00547	573.06%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	291.0	-0.0059	mg/L	0.00101	-0.0059	mg/L	0.00101	17.15%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	1599.9	0.0003	mg/L	0.00011	0.0003	mg/L	0.00011	33.57%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	803.1	-0.0270	mg/L	0.00601	-0.0270	mg/L	0.00601	22.25%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	25.6	0.0038	mg/L	0.00137	0.0038	mg/L	0.00137	35.93%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	143.3	0.0017	mg/L	0.00044	0.0017	mg/L	0.00044	25.69%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	38.2	0.0086	mg/L	0.00242	0.0086	mg/L	0.00242	28.18%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	-2138.5	-0.0005	mg/L	0.00162	-0.0005	mg/L	0.00162	295.13%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	1676.8	-0.0018	mg/L	0.00001	-0.0018	mg/L	0.00001	0.49%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	2961.7	0.0081	mg/L	0.00036	0.0081	mg/L	0.00036	4.47%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-22.2	-0.0126	mg/L	0.00088	-0.0126	mg/L	0.00088	7.00%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	-52.7	0.0050	mg/L	0.00574	0.0050	mg/L	0.00574	114.95%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	-10.5	-0.0073	mg/L	0.00536	-0.0073	mg/L	0.00536	73.88%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	-83.2	-0.0469	mg/L	0.02781	-0.0469	mg/L	0.02781	59.31%
QC value less than the lower limit for Selenium Recovery = Not calculated								
Silvert	1913.4	0.0035	mg/L	0.00234	0.0035	mg/L	0.00234	66.61%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	30810.9	-0.0113	mg/L	0.00022	-0.0113	mg/L	0.00022	1.98%
QC value within limits for Strontium Recovery = Not calculated								
Tint	13.1	-0.0021	mg/L	0.00984	-0.0021	mg/L	0.00984	464.98%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-51.0	-0.0451	mg/L	0.00812	-0.0451	mg/L	0.00812	18.01%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	4444.2	0.0107	mg/L	0.00049	0.0107	mg/L	0.00049	4.63%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	7011.4	0.0350	mg/L	0.00209	0.0350	mg/L	0.00209	5.96%
QC value within limits for Vanadium Recovery = Not calculated								
Zinct	66.6	0.0089	mg/L	0.00028	0.0089	mg/L	0.00028	3.20%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4304977.3	94.03	mg/L	0.224	94.03	mg/L	0.224	0.24%
Sodiumt	15377.7	0.1313	mg/L	0.00044	0.1313	mg/L	0.00044	0.33%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	53523073.8	328.0	mg/L	4.93	328.0	mg/L	4.93	1.50%
Iront	5687163.5	369.5	mg/L	3.72	369.5	mg/L	3.72	1.01%
Calciumt	58884113.8	447.8	mg/L	8.11	447.8	mg/L	8.11	1.81%
Potassiumt	3804.2	0.1387	mg/L	0.00134	0.1387	mg/L	0.00134	0.96%
Aluminum radialt	1060318.7	487.7	mg/L	4.18	487.7	mg/L	4.18	0.86%
QC value within limits for Aluminum radial Recovery = 97.54%								

Calcium radial†	1736464.0	476.3 mg/L	7.08	476.3 mg/L	7.08	1.49%
QC value within limits for Calcium radial Recovery = 95.26%						
Iron radial†	141975.3	465.4 mg/L	7.74	465.4 mg/L	7.74	1.66%
QC value within limits for Iron radial Recovery = 93.09%						
Magnesium radial†	1999828.6	457.8 mg/L	4.24	457.8 mg/L	4.24	0.93%
QC value within limits for Magnesium radial Recovery = 91.56%						
Sodium radial†	-4.7	0.0018 mg/L	0.02035	0.0018 mg/L	0.02035	>999.9%
QC value within limits for Sodium radial Recovery = Not calculated						
Potassium radial†	-57.5	-0.0129 mg/L	0.07984	-0.0129 mg/L	0.07984	619.35%
QC value within limits for Potassium radial Recovery = Not calculated						
Strontium radial†	932.1	0.0019 mg/L	0.00009	0.0019 mg/L	0.00009	4.68%
QC value within limits for Strontium radial Recovery = Not calculated						

QC Failed. Continue with analysis.

Sequence No.: 26
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 1/9/2013 12:57:07 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	537521.8	90.31	%	0.847				0.94%
Aluminumt	32211692.6	514.5	mg/L	8.29	514.5	mg/L	8.29	1.61%
Antimonyt	4150.8	10.24	mg/L	0.151	10.24	mg/L	0.151	1.48%
QC value within limits for Antimony Recovery = 102.40%								
Arsenict	6863.6	10.39	mg/L	0.161	10.39	mg/L	0.161	1.55%
QC value within limits for Arsenic Recovery = 103.92%								
Bariumt	54551.4	2.892	mg/L	0.0334	2.892	mg/L	0.0334	1.16%
QC value within limits for Barium Recovery = 96.40%								
Berylliumt	1903463.4	1.019	mg/L	0.0270	1.019	mg/L	0.0270	2.65%
QC value within limits for Beryllium Recovery = 101.87%								
Boront	89330.6	5.149	mg/L	0.0686	5.149	mg/L	0.0686	1.33%
QC value within limits for Boron Recovery = 102.98%								
Cadmiumt	14673.0	3.102	mg/L	0.0588	3.102	mg/L	0.0588	1.89%
QC value within limits for Cadmium Recovery = 103.39%								
Chromiumt	133481.6	2.854	mg/L	0.0271	2.854	mg/L	0.0271	0.95%
QC value within limits for Chromium Recovery = 95.13%								
Cobaltt	10478.1	2.714	mg/L	0.0503	2.714	mg/L	0.0503	1.85%
QC value within limits for Cobalt Recovery = 90.47%								
Coppert	237646.9	3.056	mg/L	0.0349	3.056	mg/L	0.0349	1.14%
QC value within limits for Copper Recovery = 101.85%								
Lithiumt	2106.1	-0.0017	mg/L	0.00001	-0.0017	mg/L	0.00001	0.87%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	618269.0	1.903	mg/L	0.0220	1.903	mg/L	0.0220	1.16%
QC value within limits for Manganese Recovery = 95.17%								
Molybdenumt	10816.9	2.933	mg/L	0.0555	2.933	mg/L	0.0555	1.89%
QC value within limits for Molybdenum Recovery = 97.77%								
Nickelt	11591.3	2.726	mg/L	0.0476	2.726	mg/L	0.0476	1.75%
QC value within limits for Nickel Recovery = 90.86%								
Leadt	6697.9	9.177	mg/L	0.1629	9.177	mg/L	0.1629	1.78%
QC value within limits for Lead Recovery = 91.77%								
Seleniumt	2591.1	5.051	mg/L	0.0756	5.051	mg/L	0.0756	1.50%
QC value within limits for Selenium Recovery = 101.02%								
Silvert	336198.5	3.198	mg/L	0.0393	3.198	mg/L	0.0393	1.23%
QC value within limits for Silver Recovery = 106.61%								
Strontiumt	7721913.3	0.4883	mg/L	0.00746	0.4883	mg/L	0.00746	1.53%
QC value within limits for Strontium Recovery = 97.66%								
Tint	696.4	0.4635	mg/L	0.00948	0.4635	mg/L	0.00948	2.04%
QC value within limits for Tin Recovery = 92.69%								
Thalliumt	9451.1	8.870	mg/L	0.1593	8.870	mg/L	0.1593	1.80%
QC value within limits for Thallium Recovery = 88.70%								
Titaniumt	3694614.5	9.799	mg/L	0.2629	9.799	mg/L	0.2629	2.68%
QC value within limits for Titanium Recovery = 97.99%								
Vanadiumt	176048.0	3.015	mg/L	0.0391	3.015	mg/L	0.0391	1.30%
QC value within limits for Vanadium Recovery = 100.50%								
Zinct	17334.6	2.691	mg/L	0.0482	2.691	mg/L	0.0482	1.79%
QC value within limits for Zinc Recovery = 89.68%								
Argon	4292109.0	93.75	mg/L	0.304	93.75	mg/L	0.304	0.32%
Sodiumt	28678940.1	81.84	mg/L	1.599	81.84	mg/L	1.599	1.95%
Magnesiumt	55803599.2	342.0	mg/L	4.20	342.0	mg/L	4.20	1.23%
Iront	5728107.4	372.1	mg/L	8.68	372.1	mg/L	8.68	2.33%
Calciumt	61367255.4	466.7	mg/L	5.78	466.7	mg/L	5.78	1.24%
Potassiumt	51541035.6	323.1	mg/L	5.22	323.1	mg/L	5.22	1.62%
Aluminum radialt	1097120.1	504.6	mg/L	6.09	504.6	mg/L	6.09	1.21%
QC value within limits for Aluminum radial Recovery = 100.92%								
Calcium radialt	1789306.5	490.8	mg/L	2.63	490.8	mg/L	2.63	0.54%

QC value within limits for Calcium radial Recovery = 98.16%

Iron radial†	149429.5	489.9 mg/L	1.87	489.9 mg/L	1.87	0.38%

QC value within limits for Iron radial Recovery = 97.97%

Magnesium radial†	2059293.2	471.4 mg/L	2.76	471.4 mg/L	2.76	0.58%

QC value within limits for Magnesium radial Recovery = 94.28%

Sodium radial†	218492.0	54.06 mg/L	0.312	54.06 mg/L	0.312	0.58%

QC value within limits for Sodium radial Recovery = 108.12%

Potassium radial†	271302.2	230.3 mg/L	1.11	230.3 mg/L	1.11	0.48%

QC value within limits for Potassium radial Recovery = 115.14%

Strontium radial†	268222.7	0.5507 mg/L	0.00284	0.5507 mg/L	0.00284	0.52%

QC value within limits for Strontium radial Recovery = 110.14%

All analyte(s) passed QC.

Sequence No.: 27
Sample ID: RINSE BLANK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 111
Date Collected: 1/9/2013 12:59:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: RINSE BLANK

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: RINSE BLANK

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	592795.5	99.60	%	2.012				2.02%
Aluminumt	10086.0	0.1605	mg/L	0.00076	0.1605	mg/L	0.00076	0.47%
Antimonyt	-3.7	-0.0065	mg/L	0.00505	-0.0065	mg/L	0.00505	78.26%
Arsenict	4.2	0.0042	mg/L	0.00885	0.0042	mg/L	0.00885	211.91%
Bariumt	-2.8	-0.0007	mg/L	0.00038	-0.0007	mg/L	0.00038	52.92%
Berylliumt	-81.8	-0.0006	mg/L	0.00007	-0.0006	mg/L	0.00007	11.40%
Boront	89.1	0.0059	mg/L	0.00134	0.0059	mg/L	0.00134	22.90%
Cadmiumt	3.2	-0.0010	mg/L	0.00008	-0.0010	mg/L	0.00008	7.67%
Chromiumt	16.4	-0.0010	mg/L	0.00036	-0.0010	mg/L	0.00036	36.73%
Cobaltt	0.1	-0.0013	mg/L	0.00080	-0.0013	mg/L	0.00080	60.26%
Coppert	81.7	-0.0001	mg/L	0.00119	-0.0001	mg/L	0.00119	885.57%
Lithiumt	174.7	-0.0019	mg/L	0.00001	-0.0019	mg/L	0.00001	0.49%
Manganeset	105.5	-0.0007	mg/L	0.00002	-0.0007	mg/L	0.00002	3.24%
Molybdenumt	-4.4	-0.0026	mg/L	0.00237	-0.0026	mg/L	0.00237	91.65%
Nickelt	2.6	-0.0012	mg/L	0.00111	-0.0012	mg/L	0.00111	95.43%
Leadt	2.6	-0.0033	mg/L	0.00400	-0.0033	mg/L	0.00400	122.74%
Seleniumt	1.6	0.0087	mg/L	0.01651	0.0087	mg/L	0.01651	190.62%
Silvert	35.2	-0.0010	mg/L	0.00133	-0.0010	mg/L	0.00133	128.48%
Strontiumt	914.1	-0.0010	mg/L	0.00001	-0.0010	mg/L	0.00001	1.06%
Tint	-4.4	-0.0018	mg/L	0.00433	-0.0018	mg/L	0.00433	240.09%
Thalliumt	-0.5	0.0023	mg/L	0.00654	0.0023	mg/L	0.00654	282.69%
Titaniumt	476.7	0.0001	mg/L	0.00024	0.0001	mg/L	0.00024	175.59%
Vanadiumt	-160.4	-0.0022	mg/L	0.00167	-0.0022	mg/L	0.00167	74.56%
Zinct	42.7	0.0052	mg/L	0.00144	0.0052	mg/L	0.00144	27.84%
Argon	4581380.3	100.1	mg/L	0.24	100.1	mg/L	0.24	0.24%
Sodiumt	2537.3	0.0947	mg/L	0.00044	0.0947	mg/L	0.00044	0.46%
Magnesiumt	3194.5	0.0197	mg/L	0.00034	0.0197	mg/L	0.00034	1.72%
Iront	332.8	0.0206	mg/L	0.00069	0.0206	mg/L	0.00069	3.37%
Calciumt	4289.6	0.0253	mg/L	0.00059	0.0253	mg/L	0.00059	2.33%
Potassiumt	946.4	0.1208	mg/L	0.00105	0.1208	mg/L	0.00105	0.87%
Aluminum radialt	356.6	0.1828	mg/L	0.01358	0.1828	mg/L	0.01358	7.43%
Calcium radialt	145.5	0.0438	mg/L	0.00057	0.0438	mg/L	0.00057	1.31%
Iron radialt	5.4	0.0339	mg/L	0.00325	0.0339	mg/L	0.00325	9.57%
Magnesium radialt	114.6	0.0354	mg/L	0.00437	0.0354	mg/L	0.00437	12.34%
Sodium radialt	98.5	0.0273	mg/L	0.00482	0.0273	mg/L	0.00482	17.67%
Potassium radialt	32.7	0.0636	mg/L	0.02776	0.0636	mg/L	0.02776	43.63%
Strontium radialt	14.3	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	29.27%

Sequence No.: 28
Sample ID: RINSE BLANK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 112
Date Collected: 1/9/2013 1:03:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: RINSE BLANK

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: RINSE BLANK

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	590830.7	99.27	%	0.628				0.63%

Aluminumt	359.2	0.0052 mg/L	0.00106	0.0052 mg/L	0.00106	20.64%
Antimonyt	-2.0	-0.0023 mg/L	0.00612	-0.0023 mg/L	0.00612	264.18%
Arsenict	4.2	0.0041 mg/L	0.00658	0.0041 mg/L	0.00658	158.51%
Bariumt	-3.5	-0.0008 mg/L	0.00036	-0.0008 mg/L	0.00036	46.95%
Berylliumt	48.6	-0.0005 mg/L	0.00002	-0.0005 mg/L	0.00002	3.73%
Boront	49.1	0.0035 mg/L	0.00055	0.0035 mg/L	0.00055	15.70%
Cadmiumt	-2.3	-0.0022 mg/L	0.00145	-0.0022 mg/L	0.00145	65.33%
Chromiumt	-7.3	-0.0015 mg/L	0.00039	-0.0015 mg/L	0.00039	26.33%
Cobaltt	-0.1	-0.0014 mg/L	0.00061	-0.0014 mg/L	0.00061	43.68%
Coppert	-15.9	-0.0014 mg/L	0.00153	-0.0014 mg/L	0.00153	110.98%
Lithiumt	24.0	-0.0019 mg/L	0.00001	-0.0019 mg/L	0.00001	0.60%
Manganeset	35.5	-0.0010 mg/L	0.00003	-0.0010 mg/L	0.00003	2.97%
Molybdenumt	-4.1	-0.0025 mg/L	0.00177	-0.0025 mg/L	0.00177	70.64%
Nickelt	1.0	-0.0015 mg/L	0.00127	-0.0015 mg/L	0.00127	82.99%
Leadt	1.8	-0.0043 mg/L	0.01514	-0.0043 mg/L	0.01514	349.40%
Seleniumt	-9.0	-0.0116 mg/L	0.01017	-0.0116 mg/L	0.01017	87.94%
Silvert	-70.0	-0.0020 mg/L	0.00070	-0.0020 mg/L	0.00070	34.17%
Strontiumt	56.2	-0.0011 mg/L	0.00001	-0.0011 mg/L	0.00001	1.11%
Tint	-5.0	-0.0023 mg/L	0.00225	-0.0023 mg/L	0.00225	99.13%
Thalliumt	0.2	0.0030 mg/L	0.00225	0.0030 mg/L	0.00225	74.41%
Titaniumt	27.6	-0.0011 mg/L	0.00046	-0.0011 mg/L	0.00046	43.56%
Vanadiumt	-223.5	-0.0033 mg/L	0.00096	-0.0033 mg/L	0.00096	28.63%
Zinct	11.7	0.0004 mg/L	0.00030	0.0004 mg/L	0.00030	86.64%
Argon	4573660.1	99.90 mg/L	0.204	99.90 mg/L	0.204	0.20%
Sodiumt	943.9	0.0902 mg/L	0.00020	0.0902 mg/L	0.00020	0.23%
Magnesiumt	611.8	0.0038 mg/L	0.00051	0.0038 mg/L	0.00051	13.24%
Iront	85.1	0.0045 mg/L	0.00066	0.0045 mg/L	0.00066	14.64%
Calciumt	1167.8	0.0016 mg/L	0.00067	0.0016 mg/L	0.00067	42.42%
Potassiumt	-27.1	0.1147 mg/L	0.00054	0.1147 mg/L	0.00054	0.47%
Aluminum radialt	2.4	0.0198 mg/L	0.01180	0.0198 mg/L	0.01180	59.44%
Calcium radialt	60.5	0.0205 mg/L	0.00126	0.0205 mg/L	0.00126	6.13%
Iron radialt	-1.1	0.0126 mg/L	0.01364	0.0126 mg/L	0.01364	107.82%
Magnesium radialt	25.8	0.0151 mg/L	0.00093	0.0151 mg/L	0.00093	6.18%
Sodium radialt	100.8	0.0279 mg/L	0.00924	0.0279 mg/L	0.00924	33.17%
Potassium radialt	48.0	0.0766 mg/L	0.00324	0.0766 mg/L	0.00324	4.23%
Strontium radialt	-18.2	-0.0001 mg/L	0.00005	-0.0001 mg/L	0.00005	51.81%

Sequence No.: 29
Sample ID: MBLK-117861
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 115
Date Collected: 1/9/2013 1:06:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MBLK-117861

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: MBLK-117861

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium	613715.7	103.1	%	2.14				2.08%
Aluminumt	666.9	0.0101	mg/L	0.00255	0.0101	mg/L	0.00255	25.27%
Antimonyt	-8.5	-0.0180	mg/L	0.01744	-0.0180	mg/L	0.01744	96.71%
Arsenict	1.1	-0.0005	mg/L	0.00350	-0.0005	mg/L	0.00350	730.85%
Bariumt	0.2	-0.0006	mg/L	0.00007	-0.0006	mg/L	0.00007	12.73%
Berylliumt	-86.0	-0.0006	mg/L	0.00008	-0.0006	mg/L	0.00008	13.59%
Boront	96.6	0.0063	mg/L	0.00081	0.0063	mg/L	0.00081	12.87%
Cadmiumt	-2.2	-0.0021	mg/L	0.00077	-0.0021	mg/L	0.00077	36.82%
Chromiumt	-17.0	-0.0017	mg/L	0.00009	-0.0017	mg/L	0.00009	5.47%
Cobaltt	1.4	-0.0010	mg/L	0.00049	-0.0010	mg/L	0.00049	49.50%
Coppert	38.2	-0.0007	mg/L	0.00027	-0.0007	mg/L	0.00027	38.81%
Lithiumt	-219.9	-0.0019	mg/L	0.00003	-0.0019	mg/L	0.00003	1.33%
Manganeset	-6.2	-0.0011	mg/L	0.00001	-0.0011	mg/L	0.00001	1.30%
Molybdenumt	-8.5	-0.0037	mg/L	0.00233	-0.0037	mg/L	0.00233	62.91%
Nickelt	-5.9	-0.0031	mg/L	0.00167	-0.0031	mg/L	0.00167	53.26%
Leadt	4.7	-0.0004	mg/L	0.00359	-0.0004	mg/L	0.00359	808.17%
Seleniumt	-0.8	0.0041	mg/L	0.01214	0.0041	mg/L	0.01214	294.99%
Silvert	65.3	-0.0008	mg/L	0.00061	-0.0008	mg/L	0.00061	80.83%
Strontiumt	382.2	-0.0010	mg/L	0.00000	-0.0010	mg/L	0.00000	0.28%
Tint	-6.2	-0.0030	mg/L	0.00282	-0.0030	mg/L	0.00282	92.57%
Thalliumt	0.9	0.0037	mg/L	0.00096	0.0037	mg/L	0.00096	26.12%
Titaniumt	-123.2	-0.0015	mg/L	0.00010	-0.0015	mg/L	0.00010	6.64%
Vanadiumt	-224.8	-0.0034	mg/L	0.00122	-0.0034	mg/L	0.00122	36.17%
Zinct	31.3	0.0034	mg/L	0.00131	0.0034	mg/L	0.00131	38.52%
Argon	4703699.4	102.7	mg/L	0.12	102.7	mg/L	0.12	0.11%
Sodiumt	2005.4	0.0932	mg/L	0.00040	0.0932	mg/L	0.00040	0.43%
Magnesiumt	772.1	0.0048	mg/L	0.00082	0.0048	mg/L	0.00082	17.00%
Iront	67.0	0.0033	mg/L	0.00011	0.0033	mg/L	0.00011	3.38%
Calciumt	1798.2	0.0064	mg/L	0.00082	0.0064	mg/L	0.00082	12.83%
Potassiumt	128.9	0.1157	mg/L	0.00114	0.1157	mg/L	0.00114	0.99%
Aluminum radialt	10.6	0.0236	mg/L	0.00341	0.0236	mg/L	0.00341	14.41%
Calcium radialt	68.4	0.0227	mg/L	0.00251	0.0227	mg/L	0.00251	11.07%
Iron radialt	-0.8	0.0136	mg/L	0.00873	0.0136	mg/L	0.00873	64.18%
Magnesium radialt	31.4	0.0164	mg/L	0.00148	0.0164	mg/L	0.00148	9.02%
Sodium radialt	87.9	0.0247	mg/L	0.00871	0.0247	mg/L	0.00871	35.31%
Potassium radialt	56.4	0.0837	mg/L	0.03253	0.0837	mg/L	0.03253	38.85%
Strontium radialt	-24.8	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	51.82%

Sequence No.: 30
Sample ID: LCS-117861
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 116
Date Collected: 1/9/2013 1:09:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LCS-117861

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: LCS-117861

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	598443.1	100.6	%	3.58				3.56%
Aluminumt	65523.9	1.046	mg/L	0.0055	1.046	mg/L	0.0055	0.52%
Antimonyt	434.6	1.043	mg/L	0.0391	1.043	mg/L	0.0391	3.75%
Arsenict	719.0	1.092	mg/L	0.0385	1.092	mg/L	0.0385	3.52%
Bariumt	18647.0	0.9956	mg/L	0.02606	0.9956	mg/L	0.02606	2.62%
Berylliumt	1950612.9	1.044	mg/L	0.0041	1.044	mg/L	0.0041	0.40%
Boront	17683.4	1.035	mg/L	0.0257	1.035	mg/L	0.0257	2.48%
Cadmiumt	4735.0	1.047	mg/L	0.0315	1.047	mg/L	0.0315	3.01%
Chromiumt	46590.6	0.9953	mg/L	0.02424	0.9953	mg/L	0.02424	2.44%
Cobaltt	3914.8	1.019	mg/L	0.0296	1.019	mg/L	0.0296	2.90%
Coppert	76373.9	0.9720	mg/L	0.02098	0.9720	mg/L	0.02098	2.16%
Lithiumt	10232636.4	0.9117	mg/L	0.02213	0.9117	mg/L	0.02213	2.43%
Manganeset	326854.4	1.006	mg/L	0.0036	1.006	mg/L	0.0036	0.36%
Molybdenumt	3692.7	1.002	mg/L	0.0326	1.002	mg/L	0.0326	3.25%
Nickelt	4409.0	1.028	mg/L	0.0286	1.028	mg/L	0.0286	2.78%
Leadt	740.9	1.008	mg/L	0.0329	1.008	mg/L	0.0329	3.26%
Seleniumt	616.0	1.179	mg/L	0.0319	1.179	mg/L	0.0319	2.71%
Silvert	51705.7	0.4968	mg/L	0.01044	0.4968	mg/L	0.01044	2.10%
Strontiumt	7826732.1	0.5078	mg/L	0.01263	0.5078	mg/L	0.01263	2.49%
Tint	1466.3	1.001	mg/L	0.0371	1.001	mg/L	0.0371	3.71%
Thalliumt	1088.8	1.024	mg/L	0.0257	1.024	mg/L	0.0257	2.50%
Titaniumt	372072.9	0.9858	mg/L	0.00196	0.9858	mg/L	0.00196	0.20%
Vanadiumt	55822.2	0.9860	mg/L	0.02418	0.9860	mg/L	0.02418	2.45%
Zinct	6711.5	1.041	mg/L	0.0210	1.041	mg/L	0.0210	2.02%
Argon	4729889.7	103.3	mg/L	0.47	103.3	mg/L	0.47	0.46%
Sodiumt	3708485.5	10.66	mg/L	0.266	10.66	mg/L	0.266	2.50%
Magnesiumt	166679.8	1.022	mg/L	0.0245	1.022	mg/L	0.0245	2.40%
Iront	15391.2	0.9989	mg/L	0.02650	0.9989	mg/L	0.02650	2.65%
Calciumt	133328.5	1.007	mg/L	0.0252	1.007	mg/L	0.0252	2.51%
Potassiumt	1846516.2	11.69	mg/L	0.049	11.69	mg/L	0.049	0.42%
Aluminum radialt	2268.6	1.062	mg/L	0.0358	1.062	mg/L	0.0358	3.37%
Calcium radialt	3768.3	1.038	mg/L	0.0418	1.038	mg/L	0.0418	4.03%
Iron radialt	310.7	1.035	mg/L	0.0388	1.035	mg/L	0.0388	3.75%
Magnesium radialt	4516.9	1.043	mg/L	0.0393	1.043	mg/L	0.0393	3.77%
Sodium radialt	42973.3	10.63	mg/L	0.454	10.63	mg/L	0.454	4.27%
Potassium radialt	12650.0	10.77	mg/L	0.367	10.77	mg/L	0.367	3.41%
Strontium radialt	257393.0	0.5285	mg/L	0.02361	0.5285	mg/L	0.02361	4.47%

Sequence No.: 31
Sample ID: L0024393-01B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 117
Date Collected: 1/9/2013 1:12:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024393-01B

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024393-01B

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	608546.1	102.2	%	0.47				0.46%
Aluminumt	18042.6	0.2876	mg/L	0.00927	0.2876	mg/L	0.00927	3.22%
Antimonyt	-8.0	-0.0167	mg/L	0.00510	-0.0167	mg/L	0.00510	30.59%
Arsenict	-12.8	-0.0205	mg/L	0.00558	-0.0205	mg/L	0.00558	27.20%
Bariumt	2275.1	0.1210	mg/L	0.00108	0.1210	mg/L	0.00108	0.89%
Berylliumt	166.9	-0.0005	mg/L	0.00007	-0.0005	mg/L	0.00007	15.33%
Boront	952.9	0.0563	mg/L	0.00207	0.0563	mg/L	0.00207	3.67%
Cadmiumt	-6.5	-0.0026	mg/L	0.00056	-0.0026	mg/L	0.00056	21.35%
Chromiumt	36.8	-0.0005	mg/L	0.00022	-0.0005	mg/L	0.00022	40.69%
Cobaltt	-0.9	-0.0016	mg/L	0.00156	-0.0016	mg/L	0.00156	97.53%
Coppert	217.9	0.0041	mg/L	0.00149	0.0041	mg/L	0.00149	36.70%
Lithiumt	58975.7	0.0034	mg/L	0.00002	0.0034	mg/L	0.00002	0.53%
Manganeset	15523.9	0.0468	mg/L	0.00035	0.0468	mg/L	0.00035	0.76%
Molybdenumt	18.2	0.0036	mg/L	0.00238	0.0036	mg/L	0.00238	67.05%
Nickelt	79.5	0.0168	mg/L	0.00121	0.0168	mg/L	0.00121	7.18%
Leadt	3.4	-0.0022	mg/L	0.00989	-0.0022	mg/L	0.00989	455.39%
Seleniumt	22.1	0.0478	mg/L	0.01137	0.0478	mg/L	0.01137	23.81%
Silvert	243.0	-0.0002	mg/L	0.00051	-0.0002	mg/L	0.00051	272.59%
Strontiumt	3494525.7	0.2251	mg/L	0.00174	0.2251	mg/L	0.00174	0.77%
Tint	4.0	0.0028	mg/L	0.00257	0.0028	mg/L	0.00257	90.94%
Thalliumt	-18.4	-0.0144	mg/L	0.00341	-0.0144	mg/L	0.00341	23.66%
Titaniumt	2768.9	0.0062	mg/L	0.00044	0.0062	mg/L	0.00044	7.07%
Vanadiumt	790.8	0.0138	mg/L	0.00266	0.0138	mg/L	0.00266	19.23%
Zinct	320.9	0.0484	mg/L	0.00106	0.0484	mg/L	0.00106	2.19%
Argon	4709872.5	102.9	mg/L	0.16	102.9	mg/L	0.16	0.16%
Sodiumt	11115164.0	31.77	mg/L	0.201	31.77	mg/L	0.201	0.63%
Magnesiumt	1887421.7	11.57	mg/L	0.023	11.57	mg/L	0.023	0.20%
Iront	8632.1	0.5598	mg/L	0.00082	0.5598	mg/L	0.00082	0.15%
Calciumt	5565945.5	42.32	mg/L	0.072	42.32	mg/L	0.072	0.17%
Potassiumt	604695.7	3.904	mg/L	0.0188	3.904	mg/L	0.0188	0.48%
Aluminum radialt	775.0	0.3752	mg/L	0.03590	0.3752	mg/L	0.03590	9.57%
Calcium radialt	152824.6	41.92	mg/L	0.211	41.92	mg/L	0.211	0.50%
Iron radialt	171.4	0.5783	mg/L	0.01260	0.5783	mg/L	0.01260	2.18%
Magnesium radialt	47808.0	10.95	mg/L	0.077	10.95	mg/L	0.077	0.70%
Sodium radialt	111445.1	27.58	mg/L	0.195	27.58	mg/L	0.195	0.71%
Potassium radialt	3564.4	3.061	mg/L	0.0755	3.061	mg/L	0.0755	2.47%
Strontium radialt	112213.4	0.2304	mg/L	0.00141	0.2304	mg/L	0.00141	0.61%

Sequence No.: 32
Sample ID: L0024393-01BSD
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 118
Date Collected: 1/9/2013 1:15:26 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024393-01BSD

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024393-01BSD

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	588693.9	98.91	%	1.686				1.70%
Aluminumt	6531.2	0.1037	mg/L	0.00357	0.5187	mg/L	0.01787	3.44%
Antimonyt	-2.8	-0.0041	mg/L	0.01076	-0.0205	mg/L	0.05380	262.93%
Arsenict	-3.7	-0.0075	mg/L	0.01896	-0.0373	mg/L	0.09478	254.32%
Bariumt	445.0	0.0232	mg/L	0.00087	0.1160	mg/L	0.00433	3.73%
Berylliumt	14.5	-0.0005	mg/L	0.00002	-0.0027	mg/L	0.00012	4.57%
Boront	211.5	0.0130	mg/L	0.00002	0.0651	mg/L	0.00009	0.14%
Cadmiumt	-2.6	-0.0020	mg/L	0.00083	-0.0102	mg/L	0.00413	40.62%
Chromiumt	9.5	-0.0011	mg/L	0.00029	-0.0057	mg/L	0.00144	25.53%
Cobaltt	0.0	-0.0013	mg/L	0.00091	-0.0067	mg/L	0.00455	67.53%
Coppert	82.2	0.0004	mg/L	0.00130	0.0018	mg/L	0.00651	362.22%
Lithiumt	12355.3	-0.0008	mg/L	0.00003	-0.0040	mg/L	0.00017	4.19%
Manganeset	3022.2	0.0082	mg/L	0.00019	0.0412	mg/L	0.00097	2.35%
Molybdenumt	-7.6	-0.0035	mg/L	0.00153	-0.0173	mg/L	0.00765	44.33%
Nickelt	18.0	0.0024	mg/L	0.00034	0.0122	mg/L	0.00169	13.89%
Leadt	4.7	-0.0004	mg/L	0.00383	-0.0022	mg/L	0.01917	879.58%
Seleniumt	7.0	0.0190	mg/L	0.02038	0.0950	mg/L	0.10192	107.26%
Silvert	16.3	-0.0014	mg/L	0.00115	-0.0072	mg/L	0.00574	79.58%
Strontiumt	680394.1	0.0430	mg/L	0.00015	0.2148	mg/L	0.00073	0.34%
Tint	2.6	0.0027	mg/L	0.00393	0.0136	mg/L	0.01963	144.52%
Thalliumt	-8.4	-0.0051	mg/L	0.01031	-0.0254	mg/L	0.05154	202.75%
Titaniumt	651.6	0.0006	mg/L	0.00015	0.0030	mg/L	0.00077	25.57%
Vanadiumt	5.6	0.0006	mg/L	0.00154	0.0028	mg/L	0.00769	271.90%
Zinct	74.7	0.0101	mg/L	0.00077	0.0507	mg/L	0.00383	7.55%
Argon	4611438.3	100.7	mg/L	0.17	503.6	mg/L	0.87	0.17%
Sodiumt	1722690.7	4.998	mg/L	0.0094	24.99	mg/L	0.047	0.19%
Magnesiumt	342728.0	2.101	mg/L	0.0074	10.50	mg/L	0.037	0.35%
Iront	1720.5	0.1108	mg/L	0.00196	0.5538	mg/L	0.00979	1.77%
Calciumt	1064159.8	8.086	mg/L	0.0406	40.43	mg/L	0.203	0.50%
Potassiumt	81058.0	0.6228	mg/L	0.00570	3.114	mg/L	0.0285	0.91%
Aluminum radialt	216.6	0.1184	mg/L	0.00584	0.5918	mg/L	0.02919	4.93%
Calcium radialt	30511.8	8.373	mg/L	0.1852	41.87	mg/L	0.926	2.21%
Iron radialt	32.3	0.1223	mg/L	0.00269	0.6113	mg/L	0.01344	2.20%
Magnesium radialt	9413.4	2.164	mg/L	0.0423	10.82	mg/L	0.212	1.96%
Sodium radialt	21747.4	5.383	mg/L	0.1029	26.92	mg/L	0.515	1.91%
Potassium radialt	569.3	0.5191	mg/L	0.09800	2.595	mg/L	0.4900	18.88%
Strontium radialt	22064.6	0.0453	mg/L	0.00087	0.2263	mg/L	0.00433	1.91%

Sequence No.: 33
Sample ID: L0024393-01BMS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 119
Date Collected: 1/9/2013 1:18:17 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024393-01BMS

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024393-01BMS

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	617837.3	103.8	%	0.97				0.93%
Aluminumt	86206.4	1.376	mg/L	0.0193	1.376	mg/L	0.0193	1.40%
Antimonyt	428.4	1.028	mg/L	0.0129	1.028	mg/L	0.0129	1.25%
Arsenict	717.7	1.091	mg/L	0.0112	1.091	mg/L	0.0112	1.03%
Bariumt	21039.3	1.123	mg/L	0.0117	1.123	mg/L	0.0117	1.04%
Berylliumt	2025315.2	1.084	mg/L	0.0024	1.084	mg/L	0.0024	0.22%
Boront	19268.5	1.128	mg/L	0.0111	1.128	mg/L	0.0111	0.99%
Cadmiumt	4677.5	1.034	mg/L	0.0094	1.034	mg/L	0.0094	0.91%
Chromiumt	47469.4	1.014	mg/L	0.0119	1.014	mg/L	0.0119	1.17%
Cobaltt	3855.7	1.003	mg/L	0.0136	1.003	mg/L	0.0136	1.35%
Coppert	76699.4	0.9786	mg/L	0.01054	0.9786	mg/L	0.01054	1.08%
Lithiumt	10507928.2	0.9362	mg/L	0.01096	0.9362	mg/L	0.01096	1.17%
Manganeset	341413.6	1.051	mg/L	0.0143	1.051	mg/L	0.0143	1.36%
Molybdenumt	3743.0	1.016	mg/L	0.0100	1.016	mg/L	0.0100	0.98%
Nickelt	4346.1	1.013	mg/L	0.0102	1.013	mg/L	0.0102	1.01%
Leadt	725.8	0.9867	mg/L	0.01871	0.9867	mg/L	0.01871	1.90%
Seleniumt	620.9	1.188	mg/L	0.0249	1.188	mg/L	0.0249	2.10%
Silvert	46778.3	0.4491	mg/L	0.16269	0.4491	mg/L	0.16269	36.22%
Strontiumt	11015987.1	0.7140	mg/L	0.00735	0.7140	mg/L	0.00735	1.03%
Tint	1465.2	0.9992	mg/L	0.00577	0.9992	mg/L	0.00577	0.58%
Thalliumt	1058.6	0.9961	mg/L	0.00569	0.9961	mg/L	0.00569	0.57%
Titaniumt	378341.9	1.002	mg/L	0.0129	1.002	mg/L	0.0129	1.29%
Vanadiumt	58496.1	1.032	mg/L	0.0175	1.032	mg/L	0.0175	1.70%
Zinct	6967.9	1.081	mg/L	0.0126	1.081	mg/L	0.0126	1.17%
Argon	4704724.1	102.8	mg/L	0.08	102.8	mg/L	0.08	0.08%
Sodiumt	15545283.3	44.40	mg/L	0.586	44.40	mg/L	0.586	1.32%
Magnesiumt	2046624.2	12.54	mg/L	0.034	12.54	mg/L	0.034	0.27%
Iront	24008.8	1.559	mg/L	0.0220	1.559	mg/L	0.0220	1.41%
Calciumt	5616522.3	42.71	mg/L	0.097	42.71	mg/L	0.097	0.23%
Potassiumt	2860942.0	18.04	mg/L	0.045	18.04	mg/L	0.045	0.25%
Aluminum radialt	3086.8	1.438	mg/L	0.0374	1.438	mg/L	0.0374	2.60%
Calcium radialt	154912.4	42.50	mg/L	0.992	42.50	mg/L	0.992	2.34%
Iron radialt	479.0	1.587	mg/L	0.0092	1.587	mg/L	0.0092	0.58%
Magnesium radialt	51535.5	11.81	mg/L	0.179	11.81	mg/L	0.179	1.52%
Sodium radialt	152005.7	37.61	mg/L	0.570	37.61	mg/L	0.570	1.51%
Potassium radialt	16038.6	13.65	mg/L	0.328	13.65	mg/L	0.328	2.40%
Strontium radialt	362129.8	0.7435	mg/L	0.01360	0.7435	mg/L	0.01360	1.83%

Sequence No.: 34
Sample ID: L0024393-01BMSD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 120
Date Collected: 1/9/2013 1:21:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024393-01BMSD

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024393-01BMSD

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	603647.5	101.4	%	0.96				0.95%
Aluminumt	93249.3	1.489	mg/L	0.0045	1.489	mg/L	0.0045	0.30%
Antimonyt	454.8	1.091	mg/L	0.0109	1.091	mg/L	0.0109	1.00%
Arsenict	743.2	1.130	mg/L	0.0182	1.130	mg/L	0.0182	1.61%
Bariumt	22102.7	1.180	mg/L	0.0023	1.180	mg/L	0.0023	0.20%
Berylliumt	2087998.6	1.118	mg/L	0.0022	1.118	mg/L	0.0022	0.19%
Boront	20244.6	1.185	mg/L	0.0025	1.185	mg/L	0.0025	0.21%
Cadmiumt	4876.6	1.079	mg/L	0.0185	1.079	mg/L	0.0185	1.71%
Chromiumt	49773.7	1.063	mg/L	0.0027	1.063	mg/L	0.0027	0.25%
Cobaltt	4023.2	1.047	mg/L	0.0129	1.047	mg/L	0.0129	1.24%
Coppert	80814.2	1.031	mg/L	0.0018	1.031	mg/L	0.0018	0.17%
Lithiumt	11003195.2	0.9805	mg/L	0.00604	0.9805	mg/L	0.00604	0.62%
Manganeset	358376.3	1.103	mg/L	0.0017	1.103	mg/L	0.0017	0.15%
Molybdenumt	3914.8	1.063	mg/L	0.0213	1.063	mg/L	0.0213	2.01%
Nickelt	4532.0	1.057	mg/L	0.0142	1.057	mg/L	0.0142	1.35%
Leadt	768.3	1.045	mg/L	0.0282	1.045	mg/L	0.0282	2.69%
Seleniumt	649.4	1.243	mg/L	0.0215	1.243	mg/L	0.0215	1.73%
Silvert	47465.9	0.4560	mg/L	0.00150	0.4560	mg/L	0.00150	0.33%
Strontiumt	11478442.6	0.7441	mg/L	0.00566	0.7441	mg/L	0.00566	0.76%
Tint	1535.0	1.047	mg/L	0.0271	1.047	mg/L	0.0271	2.59%
Thalliumt	1110.1	1.044	mg/L	0.0093	1.044	mg/L	0.0093	0.89%
Titaniumt	397983.2	1.055	mg/L	0.0020	1.055	mg/L	0.0020	0.19%
Vanadiumt	61415.5	1.084	mg/L	0.0015	1.084	mg/L	0.0015	0.14%
Zinct	7273.2	1.128	mg/L	0.0173	1.128	mg/L	0.0173	1.53%
Argon	4707262.6	102.8	mg/L	0.15	102.8	mg/L	0.15	0.15%
Sodiumt	16345853.8	46.68	mg/L	0.356	46.68	mg/L	0.356	0.76%
Magnesiumt	2127814.2	13.04	mg/L	0.026	13.04	mg/L	0.026	0.20%
Iront	25286.4	1.642	mg/L	0.0082	1.642	mg/L	0.0082	0.50%
Calciumt	5822229.1	44.27	mg/L	0.045	44.27	mg/L	0.045	0.10%
Potassiumt	2975009.6	18.76	mg/L	0.031	18.76	mg/L	0.031	0.17%
Aluminum radialt	3200.3	1.491	mg/L	0.0481	1.491	mg/L	0.0481	3.23%
Calcium radialt	160199.1	43.95	mg/L	1.261	43.95	mg/L	1.261	2.87%
Iron radialt	497.8	1.648	mg/L	0.0459	1.648	mg/L	0.0459	2.79%
Magnesium radialt	53787.3	12.32	mg/L	0.310	12.32	mg/L	0.310	2.52%
Sodium radialt	159588.9	39.49	mg/L	0.824	39.49	mg/L	0.824	2.09%
Potassium radialt	16744.4	14.25	mg/L	0.293	14.25	mg/L	0.293	2.06%
Strontium radialt	380716.8	0.7817	mg/L	0.01710	0.7817	mg/L	0.01710	2.19%

Sequence No.: 35
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/9/2013 1:24:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	588171.0	98.82	%	2.343				2.37%
Aluminumt	31051.6	0.4954	mg/L	0.01139	0.4954	mg/L	0.01139	2.30%
QC value within limits for Aluminum Recovery = 99.08%								
Antimonyt	201.9	0.4854	mg/L	0.02433	0.4854	mg/L	0.02433	5.01%
QC value within limits for Antimony Recovery = 97.09%								
Arsenict	331.7	0.5030	mg/L	0.01363	0.5030	mg/L	0.01363	2.71%
QC value within limits for Arsenic Recovery = 100.61%								
Bariumt	9284.1	0.4954	mg/L	0.00953	0.4954	mg/L	0.00953	1.92%
QC value within limits for Barium Recovery = 99.08%								
Berylliumt	941996.7	0.5039	mg/L	0.00212	0.5039	mg/L	0.00212	0.42%
QC value within limits for Beryllium Recovery = 100.77%								
Boront	8576.0	0.5024	mg/L	0.00892	0.5024	mg/L	0.00892	1.78%
QC value within limits for Boron Recovery = 100.48%								
Cadmiumt	2253.1	0.4980	mg/L	0.01031	0.4980	mg/L	0.01031	2.07%
QC value within limits for Cadmium Recovery = 99.61%								
Chromiumt	23288.1	0.4968	mg/L	0.01213	0.4968	mg/L	0.01213	2.44%
QC value within limits for Chromium Recovery = 99.37%								
Cobaltt	1956.7	0.5084	mg/L	0.01114	0.5084	mg/L	0.01114	2.19%
QC value within limits for Cobalt Recovery = 101.68%								
Coppert	39395.9	0.5008	mg/L	0.01533	0.5008	mg/L	0.01533	3.06%
QC value within limits for Copper Recovery = 100.17%								
Lithiumt	5680788.9	0.5053	mg/L	0.01574	0.5053	mg/L	0.01574	3.11%
QC value within limits for Lithium Recovery = 101.06%								
Manganeset	161892.3	0.4976	mg/L	0.01277	0.4976	mg/L	0.01277	2.57%
QC value within limits for Manganese Recovery = 99.53%								
Molybdenumt	1856.4	0.5032	mg/L	0.01182	0.5032	mg/L	0.01182	2.35%
QC value within limits for Molybdenum Recovery = 100.63%								
Nickelt	2174.0	0.5060	mg/L	0.01014	0.5060	mg/L	0.01014	2.00%
QC value within limits for Nickel Recovery = 101.21%								
Leadt	376.3	0.5082	mg/L	0.00371	0.5082	mg/L	0.00371	0.73%
QC value within limits for Lead Recovery = 101.65%								
Seleniumt	260.6	0.5019	mg/L	0.01125	0.5019	mg/L	0.01125	2.24%
QC value within limits for Selenium Recovery = 100.38%								
Silvert	53307.7	0.5083	mg/L	0.01262	0.5083	mg/L	0.01262	2.48%
QC value within limits for Silver Recovery = 101.66%								
Strontiumt	3911070.4	0.2532	mg/L	0.00759	0.2532	mg/L	0.00759	3.00%
QC value within limits for Strontium Recovery = 101.28%								
Tint	740.0	0.5058	mg/L	0.01085	0.5058	mg/L	0.01085	2.15%
QC value within limits for Tin Recovery = 101.16%								
Thalliumt	536.9	0.5065	mg/L	0.01047	0.5065	mg/L	0.01047	2.07%
QC value within limits for Thallium Recovery = 101.31%								
Titaniumt	190857.6	0.5051	mg/L	0.00211	0.5051	mg/L	0.00211	0.42%
QC value within limits for Titanium Recovery = 101.02%								
Vanadiumt	27902.3	0.4931	mg/L	0.01642	0.4931	mg/L	0.01642	3.33%
QC value within limits for Vanadium Recovery = 98.63%								
Zinct	3241.8	0.5020	mg/L	0.01175	0.5020	mg/L	0.01175	2.34%
QC value within limits for Zinc Recovery = 100.40%								
Argon	4559993.9	99.60	mg/L	0.286	99.60	mg/L	0.286	0.29%
Sodiumt	1732550.5	5.026	mg/L	0.0131	5.026	mg/L	0.0131	0.26%
QC value within limits for Sodium Recovery = 100.53%								
Magnesiumt	81611.8	0.5003	mg/L	0.01344	0.5003	mg/L	0.01344	2.69%
QC value within limits for Magnesium Recovery = 100.05%								
Iront	7726.1	0.5009	mg/L	0.01107	0.5009	mg/L	0.01107	2.21%
QC value within limits for Iron Recovery = 100.18%								
Calciumt	70182.5	0.5264	mg/L	0.01439	0.5264	mg/L	0.01439	2.73%

QC value within limits for Calcium Recovery = 105.29%

Potassium†	717038.3	4.608 mg/L	0.0059	4.608 mg/L	0.0059	0.13%

QC value within limits for Potassium Recovery = 92.16%

Aluminum radial†	1066.1	0.5091 mg/L	0.00992	0.5091 mg/L	0.00992	1.95%

QC value within limits for Aluminum radial Recovery = 101.82%

Calcium radial†	2015.9	0.5569 mg/L	0.01557	0.5569 mg/L	0.01557	2.80%

QC value greater than the upper limit for Calcium radial Recovery = 111.38%

Iron radial†	156.1	0.5281 mg/L	0.02678	0.5281 mg/L	0.02678	5.07%

QC value within limits for Iron radial Recovery = 105.63%

Magnesium radial†	2254.6	0.5253 mg/L	0.01657	0.5253 mg/L	0.01657	3.15%

QC value within limits for Magnesium radial Recovery = 105.06%

Sodium radial†	20646.6	5.111 mg/L	0.1839	5.111 mg/L	0.1839	3.60%

QC value within limits for Sodium radial Recovery = 102.22%

Potassium radial†	5876.9	5.023 mg/L	0.1929	5.023 mg/L	0.1929	3.84%

QC value within limits for Potassium radial Recovery = 100.47%

Strontium radial†	124278.2	0.2551 mg/L	0.00980	0.2551 mg/L	0.00980	3.84%

QC value within limits for Strontium radial Recovery = 102.05%

QC Failed. Continue with analysis.

Sequence No.: 36
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/9/2013 1:27:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	592804.4	99.60	%	1.544				1.55%
Aluminumt	-5.0	-0.0007	mg/L	0.00087	-0.0007	mg/L	0.00087	131.44%
QC value within limits for Aluminum Recovery = Not calculated								
Antimonyt	-1.8	-0.0018	mg/L	0.01274	-0.0018	mg/L	0.01274	719.67%
QC value within limits for Antimony Recovery = Not calculated								
Arsenict	1.9	0.0007	mg/L	0.00702	0.0007	mg/L	0.00702	946.16%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	-1.0	-0.0006	mg/L	0.00062	-0.0006	mg/L	0.00062	99.12%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	123.9	-0.0005	mg/L	0.00008	-0.0005	mg/L	0.00008	16.93%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	32.8	0.0026	mg/L	0.00071	0.0026	mg/L	0.00071	27.73%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	-3.0	-0.0023	mg/L	0.00107	-0.0023	mg/L	0.00107	46.56%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	19.6	-0.0009	mg/L	0.00044	-0.0009	mg/L	0.00044	48.59%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	2.0	-0.0008	mg/L	0.00114	-0.0008	mg/L	0.00114	136.73%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	-2.6	-0.0012	mg/L	0.00265	-0.0012	mg/L	0.00265	219.28%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	901.8	-0.0018	mg/L	0.00003	-0.0018	mg/L	0.00003	1.65%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	42.3	-0.0009	mg/L	0.00005	-0.0009	mg/L	0.00005	5.76%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-6.1	-0.0030	mg/L	0.00099	-0.0030	mg/L	0.00099	32.35%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	1.5	-0.0014	mg/L	0.00101	-0.0014	mg/L	0.00101	71.14%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	7.5	0.0035	mg/L	0.00296	0.0035	mg/L	0.00296	85.68%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	0.6	0.0067	mg/L	0.02051	0.0067	mg/L	0.02051	304.99%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	336.9	0.0018	mg/L	0.00142	0.0018	mg/L	0.00142	78.37%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	317.3	-0.0010	mg/L	0.00000	-0.0010	mg/L	0.00000	0.34%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-0.7	0.0007	mg/L	0.00075	0.0007	mg/L	0.00075	106.37%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-5.3	-0.0022	mg/L	0.01100	-0.0022	mg/L	0.01100	502.72%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	164.0	-0.0007	mg/L	0.00028	-0.0007	mg/L	0.00028	39.91%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	-242.9	-0.0037	mg/L	0.00095	-0.0037	mg/L	0.00095	25.68%
QC value within limits for Vanadium Recovery = Not calculated								
Zinct	11.4	0.0003	mg/L	0.00102	0.0003	mg/L	0.00102	338.47%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4532993.1	99.01	mg/L	0.054	99.01	mg/L	0.054	0.05%
Sodiumt	1134.6	0.0907	mg/L	0.00038	0.0907	mg/L	0.00038	0.42%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	37.9	0.0003	mg/L	0.00029	0.0003	mg/L	0.00029	93.33%
QC value within limits for Magnesium Recovery = Not calculated								
Iront	5.9	-0.0006	mg/L	0.00061	-0.0006	mg/L	0.00061	96.20%
QC value within limits for Iron Recovery = Not calculated								
Calciumt	47.2	-0.0070	mg/L	0.00031	-0.0070	mg/L	0.00031	4.47%

QC value within limits for Calcium Recovery = Not calculated

Potassium†	-260.4	0.1133 mg/L	0.00106	0.1133 mg/L	0.00106	0.94%

QC value within limits for Potassium Recovery = Not calculated

Aluminum radial†	17.9	0.0270 mg/L	0.00817	0.0270 mg/L	0.00817	30.28%

QC value within limits for Aluminum radial Recovery = Not calculated

Calcium radial†	0.8	0.0042 mg/L	0.00234	0.0042 mg/L	0.00234	56.35%

QC value within limits for Calcium radial Recovery = Not calculated

Iron radial†	-3.3	0.0055 mg/L	0.00448	0.0055 mg/L	0.00448	81.54%

QC value within limits for Iron radial Recovery = Not calculated

Magnesium radial†	4.6	0.0103 mg/L	0.00141	0.0103 mg/L	0.00141	13.76%

QC value within limits for Magnesium radial Recovery = Not calculated

Sodium radial†	61.7	0.0182 mg/L	0.00996	0.0182 mg/L	0.00996	54.73%

QC value within limits for Sodium radial Recovery = Not calculated

Potassium radial†	-10.3	0.0271 mg/L	0.03533	0.0271 mg/L	0.03533	130.27%

QC value within limits for Potassium radial Recovery = Not calculated

Strontium radial†	-6.7	-0.0001 mg/L	0.00004	-0.0001 mg/L	0.00004	54.55%

QC value within limits for Strontium radial Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 37
Sample ID: L0024393-01BPDS
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 121
Date Collected: 1/9/2013 1:30:19 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024393-01BPDS

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024393-01BPDS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	591052.5	99.31	%	2.093				2.11%
Aluminumt	19757.0	0.3150	mg/L	0.00691	1.575	mg/L	0.0346	2.20%
Antimonyt	87.9	0.2126	mg/L	0.02385	1.063	mg/L	0.1192	11.22%
Arsenict	150.4	0.2273	mg/L	0.00535	1.136	mg/L	0.0268	2.35%
Bariumt	4810.8	0.2564	mg/L	0.00554	1.282	mg/L	0.0277	2.16%
Berylliumt	446017.9	0.2383	mg/L	0.00154	1.191	mg/L	0.0077	0.65%
Boront	4252.3	0.2494	mg/L	0.00464	1.247	mg/L	0.0232	1.86%
Cadmiumt	1043.7	0.2300	mg/L	0.00617	1.150	mg/L	0.0309	2.68%
Chromiumt	11104.9	0.2362	mg/L	0.00349	1.181	mg/L	0.0175	1.48%
Cobaltt	907.5	0.2351	mg/L	0.00631	1.175	mg/L	0.0316	2.68%
Coppert	18522.7	0.2353	mg/L	0.00465	1.177	mg/L	0.0233	1.98%
Lithiumt	2605154.3	0.2307	mg/L	0.00218	1.153	mg/L	0.0109	0.95%
Manganeset	80741.4	0.2477	mg/L	0.00265	1.238	mg/L	0.0133	1.07%
Molybdenumt	874.6	0.2363	mg/L	0.00511	1.182	mg/L	0.0256	2.16%
Nickelt	1024.1	0.2374	mg/L	0.00963	1.187	mg/L	0.0482	4.06%
Leadt	172.5	0.2293	mg/L	0.00445	1.146	mg/L	0.0222	1.94%
Seleniumt	125.2	0.2441	mg/L	0.00995	1.220	mg/L	0.0497	4.08%
Silvert	25006.2	0.2375	mg/L	0.00208	1.188	mg/L	0.0104	0.88%
Strontiumt	2522618.1	0.1627	mg/L	0.00441	0.8136	mg/L	0.02205	2.71%
Tint	4.8	0.0042	mg/L	0.00732	0.0210	mg/L	0.03659	174.18%
Thalliumt	240.1	0.2281	mg/L	0.00591	1.140	mg/L	0.0296	2.59%
Titaniumt	90106.6	0.2379	mg/L	0.00281	1.189	mg/L	0.0141	1.18%
Vanadiumt	13426.0	0.2375	mg/L	0.00261	1.187	mg/L	0.0131	1.10%
Zinct	1573.1	0.2428	mg/L	0.00444	1.214	mg/L	0.0222	1.83%
Argon	4568639.6	99.79	mg/L	0.351	499.0	mg/L	1.76	0.35%
Sodiumt	2661776.4	7.675	mg/L	0.2141	38.38	mg/L	1.070	2.79%
Magnesiumt	385240.4	2.361	mg/L	0.0186	11.81	mg/L	0.093	0.79%
Iront	5308.6	0.3439	mg/L	0.00688	1.719	mg/L	0.0344	2.00%
Calciumt	1096882.2	8.335	mg/L	0.0590	41.67	mg/L	0.295	0.71%
Potassiumt	438746.2	2.864	mg/L	0.0237	14.32	mg/L	0.119	0.83%
Aluminum radialt	655.4	0.3202	mg/L	0.04945	1.601	mg/L	0.2472	15.44%
Calcium radialt	30477.2	8.364	mg/L	0.3111	41.82	mg/L	1.555	3.72%
Iron radialt	103.9	0.3569	mg/L	0.01591	1.785	mg/L	0.0795	4.46%
Magnesium radialt	10256.9	2.357	mg/L	0.0717	11.79	mg/L	0.358	3.04%
Sodium radialt	31175.7	7.716	mg/L	0.2815	38.58	mg/L	1.408	3.65%
Potassium radialt	3346.1	2.876	mg/L	0.0911	14.38	mg/L	0.456	3.17%
Strontium radialt	79661.2	0.1635	mg/L	0.00556	0.8176	mg/L	0.02782	3.40%

Sequence No.: 38
Sample ID: L0024393-01BPDSD
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 122
Date Collected: 1/9/2013 1:33:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024393-01BPDSD

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024393-01BPDSD

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	592551.5	99.56	%	0.289				0.29%
Aluminumt	19013.1	0.3031	mg/L	0.00361	1.516	mg/L	0.0180	1.19%
Antimonyt	93.6	0.2263	mg/L	0.00892	1.132	mg/L	0.0446	3.94%
Arsenict	159.0	0.2402	mg/L	0.00492	1.201	mg/L	0.0246	2.05%
Bariumt	4883.4	0.2603	mg/L	0.00069	1.302	mg/L	0.0035	0.27%
Berylliumt	456177.8	0.2437	mg/L	0.00068	1.219	mg/L	0.0034	0.28%
Boront	4353.8	0.2553	mg/L	0.00630	1.277	mg/L	0.0315	2.47%
Cadmiumt	1075.5	0.2369	mg/L	0.00176	1.184	mg/L	0.0088	0.74%
Chromiumt	11391.4	0.2423	mg/L	0.00656	1.212	mg/L	0.0328	2.71%
Cobaltt	929.5	0.2408	mg/L	0.00151	1.204	mg/L	0.0076	0.63%
Coppert	18938.0	0.2406	mg/L	0.00327	1.203	mg/L	0.0163	1.36%
Lithiumt	2702118.8	0.2393	mg/L	0.00503	1.197	mg/L	0.0252	2.10%
Manganeset	82679.5	0.2536	mg/L	0.00647	1.268	mg/L	0.0324	2.55%
Molybdenumt	893.9	0.2416	mg/L	0.00294	1.208	mg/L	0.0147	1.22%
Nickelt	1046.1	0.2426	mg/L	0.00114	1.213	mg/L	0.0057	0.47%
Leadt	172.0	0.2286	mg/L	0.01285	1.143	mg/L	0.0643	5.62%
Seleniumt	136.4	0.2655	mg/L	0.01050	1.327	mg/L	0.0525	3.96%
Silvert	25671.5	0.2439	mg/L	0.00641	1.219	mg/L	0.0320	2.63%
Strontiumt	2545012.3	0.1642	mg/L	0.00257	0.8209	mg/L	0.01284	1.56%
Tint	0.6	0.0014	mg/L	0.00800	0.0070	mg/L	0.03999	574.50%
Thalliumt	250.4	0.2378	mg/L	0.00462	1.189	mg/L	0.0231	1.94%
Titaniumt	92178.7	0.2434	mg/L	0.00533	1.217	mg/L	0.0267	2.19%
Vanadiumt	13797.6	0.2440	mg/L	0.00548	1.220	mg/L	0.0274	2.24%
Zinct	1608.1	0.2483	mg/L	0.00152	1.241	mg/L	0.0076	0.61%
Argon	4593656.5	100.3	mg/L	0.12	501.7	mg/L	0.58	0.11%
Sodiumt	2699027.1	7.781	mg/L	0.1307	38.91	mg/L	0.654	1.68%
Magnesiumt	384508.3	2.357	mg/L	0.0022	11.78	mg/L	0.011	0.09%
Iront	5378.8	0.3484	mg/L	0.00108	1.742	mg/L	0.0054	0.31%
Calciumt	1089313.3	8.277	mg/L	0.0178	41.39	mg/L	0.089	0.21%
Potassiumt	443477.1	2.894	mg/L	0.0124	14.47	mg/L	0.062	0.43%
Aluminum radialt	690.2	0.3362	mg/L	0.00716	1.681	mg/L	0.0358	2.13%
Calcium radialt	30788.1	8.449	mg/L	0.0313	42.25	mg/L	0.156	0.37%
Iron radialt	105.5	0.3622	mg/L	0.01034	1.811	mg/L	0.0517	2.85%
Magnesium radialt	10323.6	2.372	mg/L	0.0070	11.86	mg/L	0.035	0.29%
Sodium radialt	31627.2	7.828	mg/L	0.0233	39.14	mg/L	0.117	0.30%
Potassium radialt	3567.7	3.064	mg/L	0.0124	15.32	mg/L	0.062	0.40%
Strontium radialt	81500.3	0.1673	mg/L	0.00039	0.8365	mg/L	0.00195	0.23%

Sequence No.: 39
Sample ID: L0024393-02B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 123
Date Collected: 1/9/2013 1:36:05 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024393-02B

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024393-02B

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	608429.1	102.2	%	1.83				1.79%
Aluminumt	111407.3	1.779	mg/L	0.0332	1.779	mg/L	0.0332	1.86%
Antimonyt	-17.5	-0.0394	mg/L	0.01168	-0.0394	mg/L	0.01168	29.66%
Arsenict	-12.1	-0.0178	mg/L	0.00563	-0.0178	mg/L	0.00563	31.58%
Bariumt	1498.0	0.0794	mg/L	0.00131	0.0794	mg/L	0.00131	1.65%
Berylliumt	319.7	-0.0004	mg/L	0.00004	-0.0004	mg/L	0.00004	11.30%
Boront	346.4	0.0207	mg/L	0.00029	0.0207	mg/L	0.00029	1.41%
Cadmiumt	-2.4	-0.0017	mg/L	0.00061	-0.0017	mg/L	0.00061	34.90%
Chromiumt	199.3	0.0029	mg/L	0.00013	0.0029	mg/L	0.00013	4.35%
Cobaltt	-2.1	-0.0020	mg/L	0.00157	-0.0020	mg/L	0.00157	78.34%
Coppert	738.6	0.0112	mg/L	0.00082	0.0112	mg/L	0.00082	7.38%
Lithiumt	36237.9	0.0013	mg/L	0.00004	0.0013	mg/L	0.00004	3.28%
Manganeset	13998.6	0.0421	mg/L	0.00050	0.0421	mg/L	0.00050	1.18%
Molybdenumt	29.9	0.0067	mg/L	0.00068	0.0067	mg/L	0.00068	10.09%
Nickelt	52.6	0.0106	mg/L	0.00238	0.0106	mg/L	0.00238	22.48%
Leadt	5.2	0.0003	mg/L	0.00779	0.0003	mg/L	0.00779	>999.9%
Seleniumt	19.8	0.0437	mg/L	0.00877	0.0437	mg/L	0.00877	20.06%
Silvert	162.4	-0.0011	mg/L	0.00046	-0.0011	mg/L	0.00046	40.57%
Strontiumt	2234446.9	0.1429	mg/L	0.00027	0.1429	mg/L	0.00027	0.19%
Tint	-0.7	-0.0006	mg/L	0.00222	-0.0006	mg/L	0.00222	382.75%
Thalliumt	-11.2	-0.0077	mg/L	0.00566	-0.0077	mg/L	0.00566	73.75%
Titaniumt	20132.7	0.0523	mg/L	0.00307	0.0523	mg/L	0.00307	5.88%
Vanadiumt	1299.0	0.0230	mg/L	0.00146	0.0230	mg/L	0.00146	6.37%
Zinct	771.2	0.1183	mg/L	0.00229	0.1183	mg/L	0.00229	1.94%
Argon	4665124.0	101.9	mg/L	0.16	101.9	mg/L	0.16	0.16%
Sodiumt	13552606.9	38.72	mg/L	0.972	38.72	mg/L	0.972	2.51%
Magnesiumt	897190.8	5.499	mg/L	0.0038	5.499	mg/L	0.0038	0.07%
Iront	25562.7	1.660	mg/L	0.0284	1.660	mg/L	0.0284	1.71%
Calciumt	6702339.5	50.97	mg/L	0.076	50.97	mg/L	0.076	0.15%
Potassiumt	645671.1	4.161	mg/L	0.0050	4.161	mg/L	0.0050	0.12%
Aluminum radialt	3977.2	1.848	mg/L	0.0387	1.848	mg/L	0.0387	2.10%
Calcium radialt	182578.8	50.09	mg/L	1.492	50.09	mg/L	1.492	2.98%
Iron radialt	503.8	1.668	mg/L	0.0419	1.668	mg/L	0.0419	2.51%
Magnesium radialt	22742.3	5.215	mg/L	0.1353	5.215	mg/L	0.1353	2.59%
Sodium radialt	134849.3	33.37	mg/L	0.903	33.37	mg/L	0.903	2.71%
Potassium radialt	3855.5	3.308	mg/L	0.0491	3.308	mg/L	0.0491	1.48%
Strontium radialt	71798.9	0.1474	mg/L	0.00420	0.1474	mg/L	0.00420	2.85%

Sequence No.: 40
Sample ID: L0024393-03B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 124
Date Collected: 1/9/2013 1:38:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024393-03B

Analyte	Back Pressure	Flow
All	128.0 kPa	0.65 L/min

Mean Data: L0024393-03B

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	602890.4	101.3	%	0.21				0.20%
Aluminumt	32864.0	0.5243	mg/L	0.00255	0.5243	mg/L	0.00255	0.49%
Antimonyt	-18.0	-0.0408	mg/L	0.01170	-0.0408	mg/L	0.01170	28.70%
Arsenict	-19.2	-0.0298	mg/L	0.00343	-0.0298	mg/L	0.00343	11.52%
Bariumt	2520.8	0.1341	mg/L	0.00075	0.1341	mg/L	0.00075	0.56%
Berylliumt	73.8	-0.0005	mg/L	0.00010	-0.0005	mg/L	0.00010	19.11%
Boront	833.6	0.0493	mg/L	0.00137	0.0493	mg/L	0.00137	2.77%
Cadmiumt	2.8	-0.0003	mg/L	0.00061	-0.0003	mg/L	0.00061	178.41%
Chromiumt	75.1	0.0003	mg/L	0.00047	0.0003	mg/L	0.00047	170.74%
Cobaltt	0.8	-0.0012	mg/L	0.00101	-0.0012	mg/L	0.00101	86.20%
Coppert	109.3	0.0039	mg/L	0.00205	0.0039	mg/L	0.00205	52.36%
Lithiumt	69361.8	0.0043	mg/L	0.00005	0.0043	mg/L	0.00005	1.07%
Manganeset	169059.0	0.5197	mg/L	0.00193	0.5197	mg/L	0.00193	0.37%
Molybdenumt	17.1	0.0032	mg/L	0.00321	0.0032	mg/L	0.00321	99.08%
Nickelt	18.6	0.0026	mg/L	0.00152	0.0026	mg/L	0.00152	57.74%
Leadt	0.9	-0.0056	mg/L	0.00821	-0.0056	mg/L	0.00821	147.75%
Seleniumt	21.8	0.0473	mg/L	0.00984	0.0473	mg/L	0.00984	20.80%
Silvert	286.8	-0.0004	mg/L	0.00135	-0.0004	mg/L	0.00135	351.24%
Strontiumt	4147284.1	0.2669	mg/L	0.00180	0.2669	mg/L	0.00180	0.67%
Tint	0.4	-0.0002	mg/L	0.00392	-0.0002	mg/L	0.00392	>999.9%
Thalliumt	-28.2	-0.0237	mg/L	0.00428	-0.0237	mg/L	0.00428	18.06%
Titaniumt	5579.7	0.0137	mg/L	0.00227	0.0137	mg/L	0.00227	16.62%
Vanadiumt	990.4	0.0169	mg/L	0.00183	0.0169	mg/L	0.00183	10.86%
Zinct	381.8	0.0578	mg/L	0.00114	0.0578	mg/L	0.00114	1.96%
Argon	4639384.5	101.3	mg/L	0.22	101.3	mg/L	0.22	0.22%
Sodiumt	5866536.3	16.81	mg/L	0.081	16.81	mg/L	0.081	0.48%
Magnesiumt	3049142.8	18.69	mg/L	0.081	18.69	mg/L	0.081	0.43%
Iront	16374.8	1.063	mg/L	0.0081	1.063	mg/L	0.0081	0.76%
Calciumt	8416185.2	64.00	mg/L	0.332	64.00	mg/L	0.332	0.52%
Potassiumt	667549.5	4.298	mg/L	0.0238	4.298	mg/L	0.0238	0.55%
Aluminum radialt	1294.5	0.6141	mg/L	0.02615	0.6141	mg/L	0.02615	4.26%
Calcium radialt	230660.1	63.27	mg/L	0.569	63.27	mg/L	0.569	0.90%
Iron radialt	325.2	1.082	mg/L	0.0025	1.082	mg/L	0.0025	0.23%
Magnesium radialt	79037.5	18.10	mg/L	0.125	18.10	mg/L	0.125	0.69%
Sodium radialt	61224.6	15.15	mg/L	0.088	15.15	mg/L	0.088	0.58%
Potassium radialt	4051.5	3.474	mg/L	0.1155	3.474	mg/L	0.1155	3.33%
Strontium radialt	134104.6	0.2753	mg/L	0.00197	0.2753	mg/L	0.00197	0.72%

Sequence No.: 41
Sample ID: L0024393-04B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 125
Date Collected: 1/9/2013 1:41:49 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024393-04B

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024393-04B

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium	605595.1	101.8	%	1.55				1.52%
Aluminumt	105995.6	1.692	mg/L	0.0009	1.692	mg/L	0.0009	0.05%
Antimonyt	-13.0	-0.0287	mg/L	0.00986	-0.0287	mg/L	0.00986	34.35%
Arsenict	-11.2	-0.0171	mg/L	0.00417	-0.0171	mg/L	0.00417	24.47%
Bariumt	2325.3	0.1236	mg/L	0.00176	0.1236	mg/L	0.00176	1.43%
Berylliumt	139.6	-0.0005	mg/L	0.00009	-0.0005	mg/L	0.00009	19.39%
Boront	942.9	0.0556	mg/L	0.00142	0.0556	mg/L	0.00142	2.55%
Cadmiumt	-1.7	-0.0016	mg/L	0.00100	-0.0016	mg/L	0.00100	62.24%
Chromiumt	117.1	0.0012	mg/L	0.00041	0.0012	mg/L	0.00041	35.05%
Cobaltt	1.8	-0.0010	mg/L	0.00118	-0.0010	mg/L	0.00118	118.60%
Coppert	1018.5	0.0139	mg/L	0.00210	0.0139	mg/L	0.00210	15.08%
Lithiumt	16142.6	-0.0005	mg/L	0.00001	-0.0005	mg/L	0.00001	1.42%
Manganeset	18766.7	0.0567	mg/L	0.00080	0.0567	mg/L	0.00080	1.42%
Molybdenumt	21.1	0.0043	mg/L	0.00264	0.0043	mg/L	0.00264	60.86%
Nickelt	51.1	0.0102	mg/L	0.00191	0.0102	mg/L	0.00191	18.68%
Leadt	3.7	-0.0017	mg/L	0.00306	-0.0017	mg/L	0.00306	178.84%
Seleniumt	6.8	0.0189	mg/L	0.01091	0.0189	mg/L	0.01091	57.81%
Silvert	1.5	-0.0016	mg/L	0.00100	-0.0016	mg/L	0.00100	63.73%
Strontiumt	2829005.1	0.1819	mg/L	0.00301	0.1819	mg/L	0.00301	1.65%
Tint	5.6	0.0041	mg/L	0.00557	0.0041	mg/L	0.00557	136.73%
Thalliumt	-8.1	-0.0048	mg/L	0.01085	-0.0048	mg/L	0.01085	225.32%
Titaniumt	20266.1	0.0526	mg/L	0.00138	0.0526	mg/L	0.00138	2.62%
Vanadiumt	6269.5	0.1109	mg/L	0.00213	0.1109	mg/L	0.00213	1.92%
Zinct	308.0	0.0464	mg/L	0.00067	0.0464	mg/L	0.00067	1.45%
Argon	4646258.2	101.5	mg/L	0.08	101.5	mg/L	0.08	0.07%
Sodiumt	3581533.4	10.30	mg/L	0.205	10.30	mg/L	0.205	1.99%
Magnesiumt	473016.7	2.899	mg/L	0.0074	2.899	mg/L	0.0074	0.26%
Iront	21198.1	1.376	mg/L	0.0159	1.376	mg/L	0.0159	1.16%
Calciumt	4665524.2	35.48	mg/L	0.585	35.48	mg/L	0.585	1.65%
Potassiumt	584971.9	3.780	mg/L	0.0133	3.780	mg/L	0.0133	0.35%
Aluminum radialt	3716.7	1.728	mg/L	0.0175	1.728	mg/L	0.0175	1.01%
Calcium radialt	130868.7	35.90	mg/L	0.295	35.90	mg/L	0.295	0.82%
Iron radialt	414.8	1.376	mg/L	0.0125	1.376	mg/L	0.0125	0.91%
Magnesium radialt	12592.1	2.892	mg/L	0.0192	2.892	mg/L	0.0192	0.66%
Sodium radialt	40970.6	10.14	mg/L	0.089	10.14	mg/L	0.089	0.88%
Potassium radialt	3987.7	3.420	mg/L	0.0791	3.420	mg/L	0.0791	2.31%
Strontium radialt	92799.1	0.1905	mg/L	0.00181	0.1905	mg/L	0.00181	0.95%

Sequence No.: 42
Sample ID: L0024393-05B
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 126
Date Collected: 1/9/2013 1:44:40 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024393-05B

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024393-05B

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	595045.7	99.98	%	0.707				0.71%
Aluminumt	8131.3	0.1293	mg/L	0.00244	0.1293	mg/L	0.00244	1.89%
Antimonyt	-18.1	-0.0415	mg/L	0.02110	-0.0415	mg/L	0.02110	50.84%
Arsenict	-19.1	-0.0294	mg/L	0.00856	-0.0294	mg/L	0.00856	29.09%
Bariumt	2352.1	0.1251	mg/L	0.00097	0.1251	mg/L	0.00097	0.78%
Berylliumt	270.2	-0.0004	mg/L	0.00006	-0.0004	mg/L	0.00006	14.67%
Boront	2012.9	0.1184	mg/L	0.00223	0.1184	mg/L	0.00223	1.89%
Cadmiumt	-7.8	-0.0027	mg/L	0.00147	-0.0027	mg/L	0.00147	53.54%
Chromiumt	98.6	0.0008	mg/L	0.00020	0.0008	mg/L	0.00020	25.69%
Cobaltt	-0.8	-0.0016	mg/L	0.00020	-0.0016	mg/L	0.00020	12.95%
Coppert	1120.9	0.0182	mg/L	0.00112	0.0182	mg/L	0.00112	6.14%
Lithiumt	78459.9	0.0051	mg/L	0.00004	0.0051	mg/L	0.00004	0.70%
Manganeset	1036.8	0.0021	mg/L	0.00005	0.0021	mg/L	0.00005	2.55%
Molybdenumt	35.2	0.0082	mg/L	0.00355	0.0082	mg/L	0.00355	43.32%
Nickelt	0.3	-0.0017	mg/L	0.00097	-0.0017	mg/L	0.00097	57.05%
Leadt	-2.6	-0.0104	mg/L	0.00898	-0.0104	mg/L	0.00898	86.39%
Seleniumt	17.7	0.0394	mg/L	0.00887	0.0394	mg/L	0.00887	22.53%
Silvert	342.8	-0.0005	mg/L	0.00045	-0.0005	mg/L	0.00045	92.08%
Strontiumt	6251759.3	0.4032	mg/L	0.00446	0.4032	mg/L	0.00446	1.11%
Tint	-3.8	-0.0036	mg/L	0.00367	-0.0036	mg/L	0.00367	101.45%
Thalliumt	-23.9	-0.0196	mg/L	0.00642	-0.0196	mg/L	0.00642	32.68%
Titaniumt	1491.1	0.0028	mg/L	0.00035	0.0028	mg/L	0.00035	12.24%
Vanadiumt	1438.1	0.0245	mg/L	0.00209	0.0245	mg/L	0.00209	8.53%
Zinct	111.3	0.0158	mg/L	0.00115	0.0158	mg/L	0.00115	7.29%
Argon	4690007.7	102.4	mg/L	0.20	102.4	mg/L	0.20	0.19%
Sodiumt	24865291.1	70.97	mg/L	0.824	70.97	mg/L	0.824	1.16%
Magnesiumt	4359076.9	26.72	mg/L	0.132	26.72	mg/L	0.132	0.49%
Iront	320.6	0.0198	mg/L	0.00056	0.0198	mg/L	0.00056	2.83%
Calciumt	11445886.3	87.04	mg/L	1.122	87.04	mg/L	1.122	1.29%
Potassiumt	780253.7	5.004	mg/L	0.0194	5.004	mg/L	0.0194	0.39%
Aluminum radialt	655.5	0.3202	mg/L	0.00885	0.3202	mg/L	0.00885	2.76%
Calcium radialt	314868.4	86.37	mg/L	1.624	86.37	mg/L	1.624	1.88%
Iron radialt	8.2	0.0433	mg/L	0.00921	0.0433	mg/L	0.00921	21.28%
Magnesium radialt	111308.0	25.49	mg/L	0.326	25.49	mg/L	0.326	1.28%
Sodium radialt	230789.3	57.10	mg/L	0.819	57.10	mg/L	0.819	1.43%
Potassium radialt	4238.5	3.633	mg/L	0.0678	3.633	mg/L	0.0678	1.87%
Strontium radialt	204254.4	0.4193	mg/L	0.00686	0.4193	mg/L	0.00686	1.64%

Sequence No.: 43
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/9/2013 1:47:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	579450.3	97.36	%	0.944				0.97%
Aluminumt	31846.1	0.5081	mg/L	0.00470	0.5081	mg/L	0.00470	0.92%
QC value within limits for Aluminum Recovery = 101.62%								
Antimonyt	211.7	0.5090	mg/L	0.02123	0.5090	mg/L	0.02123	4.17%
QC value within limits for Antimony Recovery = 101.81%								
Arsenict	338.0	0.5127	mg/L	0.00362	0.5127	mg/L	0.00362	0.71%
QC value within limits for Arsenic Recovery = 102.53%								
Bariumt	9565.1	0.5104	mg/L	0.00366	0.5104	mg/L	0.00366	0.72%
QC value within limits for Barium Recovery = 102.09%								
Berylliumt	940377.7	0.5030	mg/L	0.00095	0.5030	mg/L	0.00095	0.19%
QC value within limits for Beryllium Recovery = 100.60%								
Boront	8720.5	0.5108	mg/L	0.00579	0.5108	mg/L	0.00579	1.13%
QC value within limits for Boron Recovery = 102.17%								
Cadmiumt	2287.1	0.5055	mg/L	0.00723	0.5055	mg/L	0.00723	1.43%
QC value within limits for Cadmium Recovery = 101.10%								
Chromiumt	23855.7	0.5090	mg/L	0.00567	0.5090	mg/L	0.00567	1.11%
QC value within limits for Chromium Recovery = 101.80%								
Cobaltt	1972.5	0.5125	mg/L	0.00941	0.5125	mg/L	0.00941	1.84%
QC value within limits for Cobalt Recovery = 102.50%								
Coppert	40299.1	0.5123	mg/L	0.00522	0.5123	mg/L	0.00522	1.02%
QC value within limits for Copper Recovery = 102.47%								
Lithiumt	5771601.0	0.5134	mg/L	0.00674	0.5134	mg/L	0.00674	1.31%
QC value within limits for Lithium Recovery = 102.68%								
Manganeset	165423.4	0.5085	mg/L	0.00598	0.5085	mg/L	0.00598	1.18%
QC value within limits for Manganese Recovery = 101.70%								
Molybdenumt	1865.7	0.5057	mg/L	0.00990	0.5057	mg/L	0.00990	1.96%
QC value within limits for Molybdenum Recovery = 101.14%								
Nickelt	2193.2	0.5105	mg/L	0.00888	0.5105	mg/L	0.00888	1.74%
QC value within limits for Nickel Recovery = 102.11%								
Leadt	370.6	0.5005	mg/L	0.00972	0.5005	mg/L	0.00972	1.94%
QC value within limits for Lead Recovery = 100.11%								
Seleniumt	268.8	0.5176	mg/L	0.02787	0.5176	mg/L	0.02787	5.39%
QC value within limits for Selenium Recovery = 103.51%								
Silvert	54254.5	0.5174	mg/L	0.00310	0.5174	mg/L	0.00310	0.60%
QC value within limits for Silver Recovery = 103.47%								
Strontiumt	3964095.7	0.2566	mg/L	0.00297	0.2566	mg/L	0.00297	1.16%
QC value within limits for Strontium Recovery = 102.66%								
Tint	731.4	0.4999	mg/L	0.00121	0.4999	mg/L	0.00121	0.24%
QC value within limits for Tin Recovery = 99.99%								
Thalliumt	527.4	0.4976	mg/L	0.01035	0.4976	mg/L	0.01035	2.08%
QC value within limits for Thallium Recovery = 99.53%								
Titaniumt	190053.4	0.5030	mg/L	0.00135	0.5030	mg/L	0.00135	0.27%
QC value within limits for Titanium Recovery = 100.60%								
Vanadiumt	28588.3	0.5053	mg/L	0.00565	0.5053	mg/L	0.00565	1.12%
QC value within limits for Vanadium Recovery = 101.05%								
Zinct	3261.7	0.5051	mg/L	0.00700	0.5051	mg/L	0.00700	1.39%
QC value within limits for Zinc Recovery = 101.01%								
Argon	4557311.3	99.54	mg/L	0.194	99.54	mg/L	0.194	0.19%
Sodiumt	1724760.4	5.004	mg/L	0.0297	5.004	mg/L	0.0297	0.59%
QC value within limits for Sodium Recovery = 100.08%								
Magnesiumt	83684.2	0.5130	mg/L	0.00528	0.5130	mg/L	0.00528	1.03%
QC value within limits for Magnesium Recovery = 102.59%								
Iront	7845.5	0.5087	mg/L	0.00306	0.5087	mg/L	0.00306	0.60%
QC value within limits for Iron Recovery = 101.73%								
Calciumt	72053.4	0.5407	mg/L	0.00537	0.5407	mg/L	0.00537	0.99%

QC value within limits for Calcium Recovery = 108.13%

Potassium†	721201.1	4.634 mg/L	0.0407	4.634 mg/L	0.0407	0.88%

QC value within limits for Potassium Recovery = 92.68%

Aluminum radial†	1095.6	0.5227 mg/L	0.02899	0.5227 mg/L	0.02899	5.55%

QC value within limits for Aluminum radial Recovery = 104.53%

Calcium radial†	2020.9	0.5583 mg/L	0.00832	0.5583 mg/L	0.00832	1.49%

QC value greater than the upper limit for Calcium radial Recovery = 111.66%

Iron radial†	154.1	0.5216 mg/L	0.03169	0.5216 mg/L	0.03169	6.08%

QC value within limits for Iron radial Recovery = 104.32%

Magnesium radial†	2272.0	0.5293 mg/L	0.01053	0.5293 mg/L	0.01053	1.99%

QC value within limits for Magnesium radial Recovery = 105.85%

Sodium radial†	20776.2	5.143 mg/L	0.0173	5.143 mg/L	0.0173	0.34%

QC value within limits for Sodium radial Recovery = 102.86%

Potassium radial†	6009.7	5.136 mg/L	0.0603	5.136 mg/L	0.0603	1.17%

QC value within limits for Potassium radial Recovery = 102.72%

Strontium radial†	125285.1	0.2572 mg/L	0.00134	0.2572 mg/L	0.00134	0.52%

QC value within limits for Strontium radial Recovery = 102.88%

QC Failed. Continue with analysis.

Sequence No.: 44
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/9/2013 1:50:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	593886.8	99.78	%	1.174				1.18%
Aluminumt	21.2	-0.0002	mg/L	0.00153	-0.0002	mg/L	0.00153	629.27%
QC value within limits for Aluminum Recovery = Not calculated								
Antimonyt	-1.8	-0.0019	mg/L	0.00416	-0.0019	mg/L	0.00416	225.03%
QC value within limits for Antimony Recovery = Not calculated								
Arsenict	-0.6	-0.0031	mg/L	0.00360	-0.0031	mg/L	0.00360	115.75%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	-3.3	-0.0008	mg/L	0.00062	-0.0008	mg/L	0.00062	82.51%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	-72.9	-0.0006	mg/L	0.00003	-0.0006	mg/L	0.00003	4.31%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	24.8	0.0021	mg/L	0.00064	0.0021	mg/L	0.00064	30.26%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	2.9	-0.0009	mg/L	0.00157	-0.0009	mg/L	0.00157	173.83%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	5.0	-0.0012	mg/L	0.00022	-0.0012	mg/L	0.00022	18.13%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	-4.9	-0.0026	mg/L	0.00075	-0.0026	mg/L	0.00075	28.30%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	-34.1	-0.0016	mg/L	0.00091	-0.0016	mg/L	0.00091	56.28%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	211.1	-0.0019	mg/L	0.00002	-0.0019	mg/L	0.00002	0.80%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	19.4	-0.0010	mg/L	0.00002	-0.0010	mg/L	0.00002	1.99%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-8.7	-0.0037	mg/L	0.00141	-0.0037	mg/L	0.00141	37.58%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	-0.4	-0.0019	mg/L	0.00115	-0.0019	mg/L	0.00115	61.76%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	0.4	-0.0063	mg/L	0.00091	-0.0063	mg/L	0.00091	14.45%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	7.1	0.0191	mg/L	0.01004	0.0191	mg/L	0.01004	52.53%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	50.2	-0.0009	mg/L	0.00060	-0.0009	mg/L	0.00060	65.90%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	69.7	-0.0011	mg/L	0.00000	-0.0011	mg/L	0.00000	0.41%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-4.9	-0.0021	mg/L	0.00313	-0.0021	mg/L	0.00313	146.61%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-8.6	-0.0053	mg/L	0.00688	-0.0053	mg/L	0.00688	130.97%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	14.5	-0.0011	mg/L	0.00014	-0.0011	mg/L	0.00014	12.60%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	-315.0	-0.0050	mg/L	0.00034	-0.0050	mg/L	0.00034	6.89%
QC value within limits for Vanadium Recovery = Not calculated								
Zinct	7.1	-0.0004	mg/L	0.00024	-0.0004	mg/L	0.00024	64.62%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4550408.8	99.39	mg/L	0.431	99.39	mg/L	0.431	0.43%
Sodiumt	1223.9	0.0910	mg/L	0.00010	0.0910	mg/L	0.00010	0.11%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	-9.1	0.0000	mg/L	0.00030	0.0000	mg/L	0.00030	>999.9%
QC value within limits for Magnesium Recovery = Not calculated								
Iront	-2.2	-0.0012	mg/L	0.00018	-0.0012	mg/L	0.00018	15.45%
QC value within limits for Iron Recovery = Not calculated								
Calciumt	72.3	-0.0068	mg/L	0.00040	-0.0068	mg/L	0.00040	5.90%

QC value within limits for Calcium Recovery = Not calculated

Potassium†	12.0	0.1150 mg/L	0.00042	0.1150 mg/L	0.00042	0.37%

QC value within limits for Potassium Recovery = Not calculated

Aluminum radial†	23.0	0.0294 mg/L	0.00521	0.0294 mg/L	0.00521	17.74%

QC value within limits for Aluminum radial Recovery = Not calculated

Calcium radial†	0.7	0.0041 mg/L	0.00328	0.0041 mg/L	0.00328	79.49%

QC value within limits for Calcium radial Recovery = Not calculated

Iron radial†	-1.5	0.0114 mg/L	0.00716	0.0114 mg/L	0.00716	62.93%

QC value within limits for Iron radial Recovery = Not calculated

Magnesium radial†	4.1	0.0102 mg/L	0.00060	0.0102 mg/L	0.00060	5.95%

QC value within limits for Magnesium radial Recovery = Not calculated

Sodium radial†	55.6	0.0167 mg/L	0.00205	0.0167 mg/L	0.00205	12.27%

QC value within limits for Sodium radial Recovery = Not calculated

Potassium radial†	37.6	0.0678 mg/L	0.00361	0.0678 mg/L	0.00361	5.32%

QC value within limits for Potassium radial Recovery = Not calculated

Strontium radial†	-20.3	-0.0001 mg/L	0.00004	-0.0001 mg/L	0.00004	44.81%

QC value within limits for Strontium radial Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 45
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 1/9/2013 1:53:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	543702.7	91.35	%	1.711				1.87%
Aluminumt	31300096.7	499.9	mg/L	11.78	499.9	mg/L	11.78	2.36%
Antimonyt	-52.4	0.0544	mg/L	0.01067	0.0544	mg/L	0.01067	19.61%
QC value greater than the upper limit for Antimony Recovery = Not calculated								
Arsenict	9.7	-0.0073	mg/L	0.01087	-0.0073	mg/L	0.01087	148.59%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	292.4	-0.0064	mg/L	0.00039	-0.0064	mg/L	0.00039	6.05%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	1597.7	0.0003	mg/L	0.00012	0.0003	mg/L	0.00012	37.96%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	736.5	-0.0330	mg/L	0.00341	-0.0330	mg/L	0.00341	10.34%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	32.5	0.0055	mg/L	0.00067	0.0055	mg/L	0.00067	12.15%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	119.2	0.0012	mg/L	0.00056	0.0012	mg/L	0.00056	46.32%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	34.8	0.0077	mg/L	0.00223	0.0077	mg/L	0.00223	28.82%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	-2097.2	0.0007	mg/L	0.00087	0.0007	mg/L	0.00087	128.31%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	1904.0	-0.0017	mg/L	0.00001	-0.0017	mg/L	0.00001	0.71%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	3048.5	0.0083	mg/L	0.00026	0.0083	mg/L	0.00026	3.12%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-28.9	-0.0145	mg/L	0.00356	-0.0145	mg/L	0.00356	24.47%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	-60.9	0.0036	mg/L	0.00540	0.0036	mg/L	0.00540	149.68%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	-7.8	-0.0032	mg/L	0.00924	-0.0032	mg/L	0.00924	290.58%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	-93.0	-0.0625	mg/L	0.02426	-0.0625	mg/L	0.02426	38.81%
QC value less than the lower limit for Selenium Recovery = Not calculated								
Silvert	1981.5	0.0039	mg/L	0.00032	0.0039	mg/L	0.00032	8.40%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	30629.4	-0.0117	mg/L	0.00027	-0.0117	mg/L	0.00027	2.33%
QC value within limits for Strontium Recovery = Not calculated								
Tint	0.7	-0.0109	mg/L	0.00851	-0.0109	mg/L	0.00851	78.14%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-59.7	-0.0532	mg/L	0.00422	-0.0532	mg/L	0.00422	7.93%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	4609.5	0.0111	mg/L	0.00020	0.0111	mg/L	0.00020	1.77%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	7544.1	0.0421	mg/L	0.00114	0.0421	mg/L	0.00114	2.70%
QC value greater than the upper limit for Vanadium Recovery = Not calculated								
Zinct	47.2	0.0059	mg/L	0.00065	0.0059	mg/L	0.00065	11.09%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4257949.3	93.01	mg/L	0.326	93.01	mg/L	0.326	0.35%
Sodiumt	15834.3	0.1326	mg/L	0.00130	0.1326	mg/L	0.00130	0.98%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	54615781.7	334.7	mg/L	6.87	334.7	mg/L	6.87	2.05%
Iront	5683068.1	369.2	mg/L	2.56	369.2	mg/L	2.56	0.69%
Calciumt	59522926.4	452.7	mg/L	9.76	452.7	mg/L	9.76	2.16%
Potassiumt	3929.0	0.1395	mg/L	0.00081	0.1395	mg/L	0.00081	0.58%
Aluminum radialt	1091803.9	502.2	mg/L	11.43	502.2	mg/L	11.43	2.28%
QC value within limits for Aluminum radial Recovery = 100.43%								

Calcium radial†	1780249.1	488.3 mg/L	11.54	488.3 mg/L	11.54	2.36%	
QC value within limits for Calcium radial Recovery = 97.67%							
Iron radial†	145938.1	478.4 mg/L	8.90	478.4 mg/L	8.90	1.86%	
QC value within limits for Iron radial Recovery = 95.68%							
Magnesium radial†	2063223.5	472.3 mg/L	11.03	472.3 mg/L	11.03	2.34%	
QC value within limits for Magnesium radial Recovery = 94.46%							
Sodium radial†	-55.0	-0.0107 mg/L	0.02770	-0.0107 mg/L	0.02770	259.28%	
QC value within limits for Sodium radial Recovery = Not calculated							
Potassium radial†	-122.9	-0.0684 mg/L	0.10991	-0.0684 mg/L	0.10991	160.68%	
QC value within limits for Potassium radial Recovery = Not calculated							
Strontium radial†	937.1	0.0019 mg/L	0.00006	0.0019 mg/L	0.00006	3.15%	
QC value within limits for Strontium radial Recovery = Not calculated							

QC Failed. Continue with analysis.

Sequence No.: 46
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 1/9/2013 1:56:15 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	539738.9	90.69	%	0.642				0.71%
Aluminumt	31834917.0	508.5	mg/L	4.77	508.5	mg/L	4.77	0.94%
Antimonyt	4133.3	10.20	mg/L	0.036	10.20	mg/L	0.036	0.35%
QC value within limits for Antimony Recovery = 102.00%								
Arsenict	6817.9	10.32	mg/L	0.023	10.32	mg/L	0.023	0.23%
QC value within limits for Arsenic Recovery = 103.24%								
Bariumt	54703.7	2.900	mg/L	0.0265	2.900	mg/L	0.0265	0.91%
QC value within limits for Barium Recovery = 96.66%								
Berylliumt	1916499.3	1.026	mg/L	0.0165	1.026	mg/L	0.0165	1.61%
QC value within limits for Beryllium Recovery = 102.57%								
Boront	90047.6	5.190	mg/L	0.0482	5.190	mg/L	0.0482	0.93%
QC value within limits for Boron Recovery = 103.80%								
Cadmiumt	14564.3	3.078	mg/L	0.0049	3.078	mg/L	0.0049	0.16%
QC value within limits for Cadmium Recovery = 102.62%								
Chromiumt	133645.2	2.858	mg/L	0.0250	2.858	mg/L	0.0250	0.88%
QC value within limits for Chromium Recovery = 95.25%								
Cobaltt	10413.9	2.697	mg/L	0.0040	2.697	mg/L	0.0040	0.15%
QC value within limits for Cobalt Recovery = 89.90%								
Coppert	239165.1	3.075	mg/L	0.0230	3.075	mg/L	0.0230	0.75%
QC value within limits for Copper Recovery = 102.51%								
Lithiumt	1938.6	-0.0017	mg/L	0.00001	-0.0017	mg/L	0.00001	0.51%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	620086.1	1.909	mg/L	0.0159	1.909	mg/L	0.0159	0.83%
QC value within limits for Manganese Recovery = 95.45%								
Molybdenumt	10717.6	2.906	mg/L	0.0056	2.906	mg/L	0.0056	0.19%
QC value within limits for Molybdenum Recovery = 96.87%								
Nickelt	11505.3	2.706	mg/L	0.0036	2.706	mg/L	0.0036	0.13%
QC value within limits for Nickel Recovery = 90.19%								
Leadt	6637.3	9.094	mg/L	0.0189	9.094	mg/L	0.0189	0.21%
QC value within limits for Lead Recovery = 90.94%								
Seleniumt	2549.9	4.974	mg/L	0.0228	4.974	mg/L	0.0228	0.46%
QC value within limits for Selenium Recovery = 99.47%								
Silvert	338134.4	3.216	mg/L	0.0244	3.216	mg/L	0.0244	0.76%
QC value within limits for Silver Recovery = 107.21%								
Strontiumt	7626732.3	0.4820	mg/L	0.00505	0.4820	mg/L	0.00505	1.05%
QC value within limits for Strontium Recovery = 96.40%								
Tint	678.6	0.4512	mg/L	0.00706	0.4512	mg/L	0.00706	1.56%
QC value within limits for Tin Recovery = 90.23%								
Thalliumt	9343.9	8.770	mg/L	0.0080	8.770	mg/L	0.0080	0.09%
QC value within limits for Thallium Recovery = 87.70%								
Titaniumt	3720892.5	9.869	mg/L	0.1545	9.869	mg/L	0.1545	1.57%
QC value within limits for Titanium Recovery = 98.69%								
Vanadiumt	176342.6	3.020	mg/L	0.0296	3.020	mg/L	0.0296	0.98%
QC value within limits for Vanadium Recovery = 100.65%								
Zinct	17120.8	2.657	mg/L	0.0067	2.657	mg/L	0.0067	0.25%
QC value within limits for Zinc Recovery = 88.58%								
Argon	4257884.0	93.00	mg/L	0.518	93.00	mg/L	0.518	0.56%
Sodiumt	28698743.4	81.90	mg/L	1.017	81.90	mg/L	1.017	1.24%
Magnesiumt	55388349.3	339.5	mg/L	2.07	339.5	mg/L	2.07	0.61%
Iront	5745459.7	373.3	mg/L	4.04	373.3	mg/L	4.04	1.08%
Calciumt	60406189.2	459.4	mg/L	4.27	459.4	mg/L	4.27	0.93%
Potassiumt	51632013.7	323.7	mg/L	2.08	323.7	mg/L	2.08	0.64%
Aluminum radialt	1098562.8	505.3	mg/L	5.65	505.3	mg/L	5.65	1.12%
QC value within limits for Aluminum radial Recovery = 101.05%								
Calcium radialt	1810508.6	496.6	mg/L	6.03	496.6	mg/L	6.03	1.21%

QC value within limits for Calcium radial Recovery = 99.33%

Iron radial†	151121.0	495.4 mg/L	6.06	495.4 mg/L	6.06	1.22%

QC value within limits for Iron radial Recovery = 99.08%

Magnesium radial†	2068422.1	473.5 mg/L	5.19	473.5 mg/L	5.19	1.10%

QC value within limits for Magnesium radial Recovery = 94.70%

Sodium radial†	220972.1	54.67 mg/L	0.556	54.67 mg/L	0.556	1.02%

QC value within limits for Sodium radial Recovery = 109.35%

Potassium radial†	274989.5	233.4 mg/L	2.52	233.4 mg/L	2.52	1.08%

QC value within limits for Potassium radial Recovery = 116.71%

Strontium radial†	271155.7	0.5567 mg/L	0.00589	0.5567 mg/L	0.00589	1.06%

QC value within limits for Strontium radial Recovery = 111.34%

All analyte(s) passed QC.

Sequence No.: 47
Sample ID: RINSE BLANK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 127
Date Collected: 1/9/2013 1:58:58 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: RINSE BLANK

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: RINSE BLANK

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium	592326.5	99.52	%	2.215				2.23%
Aluminumt	409.6	0.0060	mg/L	0.00048	0.0060	mg/L	0.00048	7.98%
Antimonyt	-5.4	-0.0105	mg/L	0.00317	-0.0105	mg/L	0.00317	30.17%
Arsenict	2.9	0.0023	mg/L	0.01158	0.0023	mg/L	0.01158	508.66%
Bariumt	-3.7	-0.0008	mg/L	0.00026	-0.0008	mg/L	0.00026	33.37%
Berylliumt	-26.6	-0.0006	mg/L	0.00011	-0.0006	mg/L	0.00011	20.33%
Boront	57.2	0.0040	mg/L	0.00045	0.0040	mg/L	0.00045	11.25%
Cadmiumt	-0.6	-0.0018	mg/L	0.00087	-0.0018	mg/L	0.00087	48.16%
Chromiumt	4.3	-0.0012	mg/L	0.00042	-0.0012	mg/L	0.00042	33.60%
Cobaltt	-3.3	-0.0022	mg/L	0.00095	-0.0022	mg/L	0.00095	42.83%
Coppert	62.5	-0.0004	mg/L	0.00268	-0.0004	mg/L	0.00268	704.85%
Lithiumt	-23.4	-0.0019	mg/L	0.00000	-0.0019	mg/L	0.00000	0.26%
Manganeset	53.0	-0.0009	mg/L	0.00006	-0.0009	mg/L	0.00006	7.09%
Molybdenumt	-5.5	-0.0029	mg/L	0.00128	-0.0029	mg/L	0.00128	44.30%
Nickelt	3.7	-0.0009	mg/L	0.00090	-0.0009	mg/L	0.00090	101.06%
Leadt	-0.1	-0.0070	mg/L	0.01019	-0.0070	mg/L	0.01019	146.60%
Seleniumt	-2.9	0.0001	mg/L	0.01535	0.0001	mg/L	0.01535	>999.9%
Silvert	85.4	-0.0006	mg/L	0.00133	-0.0006	mg/L	0.00133	233.40%
Strontiumt	-70.7	-0.0011	mg/L	0.00000	-0.0011	mg/L	0.00000	0.22%
Tint	-1.6	0.0001	mg/L	0.00166	0.0001	mg/L	0.00166	>999.9%
Thalliumt	-7.3	-0.0041	mg/L	0.00341	-0.0041	mg/L	0.00341	83.90%
Titaniumt	384.5	-0.0001	mg/L	0.00007	-0.0001	mg/L	0.00007	65.81%
Vanadiumt	-258.6	-0.0040	mg/L	0.00153	-0.0040	mg/L	0.00153	38.65%
Zinct	27.7	0.0028	mg/L	0.00034	0.0028	mg/L	0.00034	11.85%
Argon	4520983.2	98.75	mg/L	0.140	98.75	mg/L	0.140	0.14%
Sodiumt	1252.9	0.0910	mg/L	0.00030	0.0910	mg/L	0.00030	0.33%
Magnesiumt	1162.9	0.0072	mg/L	0.00042	0.0072	mg/L	0.00042	5.86%
Iront	121.3	0.0069	mg/L	0.00027	0.0069	mg/L	0.00027	3.97%
Calciumt	933.4	-0.0002	mg/L	0.00107	-0.0002	mg/L	0.00107	500.79%
Potassiumt	383.2	0.1173	mg/L	0.00092	0.1173	mg/L	0.00092	0.78%
Aluminum radialt	33.3	0.0341	mg/L	0.01332	0.0341	mg/L	0.01332	39.10%
Calcium radialt	49.3	0.0175	mg/L	0.00418	0.0175	mg/L	0.00418	23.93%
Iron radialt	1.4	0.0210	mg/L	0.01242	0.0210	mg/L	0.01242	59.22%
Magnesium radialt	58.7	0.0227	mg/L	0.00361	0.0227	mg/L	0.00361	15.95%
Sodium radialt	77.4	0.0221	mg/L	0.00357	0.0221	mg/L	0.00357	16.17%
Potassium radialt	64.4	0.0905	mg/L	0.03012	0.0905	mg/L	0.03012	33.27%
Strontium radialt	-33.7	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	33.45%

Sequence No.: 48
Sample ID: RINSE BLANK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 128
Date Collected: 1/9/2013 2:02:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: RINSE BLANK

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: RINSE BLANK

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium	590917.6	99.29	%	0.997				1.00%

Aluminumt	871.6	0.0133 mg/L	0.00233	0.0133 mg/L	0.00233	17.45%
Antimonyt	0.0	0.0026 mg/L	0.00553	0.0026 mg/L	0.00553	211.72%
Arsenict	1.7	0.0005 mg/L	0.00770	0.0005 mg/L	0.00770	>999.9%
Bariumt	-3.3	-0.0008 mg/L	0.00033	-0.0008 mg/L	0.00033	43.92%
Berylliumt	38.7	-0.0005 mg/L	0.00006	-0.0005 mg/L	0.00006	12.29%
Boront	38.7	0.0029 mg/L	0.00111	0.0029 mg/L	0.00111	38.08%
Cadmiumt	-3.4	-0.0024 mg/L	0.00109	-0.0024 mg/L	0.00109	45.82%
Chromiumt	-3.2	-0.0014 mg/L	0.00049	-0.0014 mg/L	0.00049	34.84%
Cobaltt	-1.0	-0.0016 mg/L	0.00056	-0.0016 mg/L	0.00056	34.94%
Coppert	85.7	-0.0001 mg/L	0.00100	-0.0001 mg/L	0.00100	>999.9%
Lithiumt	111.4	-0.0019 mg/L	0.00002	-0.0019 mg/L	0.00002	0.91%
Manganeset	51.9	-0.0009 mg/L	0.00002	-0.0009 mg/L	0.00002	2.22%
Molybdenumt	-3.9	-0.0024 mg/L	0.00224	-0.0024 mg/L	0.00224	91.88%
Nickelt	3.2	-0.0010 mg/L	0.00094	-0.0010 mg/L	0.00094	91.20%
Leadt	-0.1	-0.0069 mg/L	0.00631	-0.0069 mg/L	0.00631	90.93%
Seleniumt	-3.2	-0.0005 mg/L	0.01166	-0.0005 mg/L	0.01166	>999.9%
Silvert	43.4	-0.0010 mg/L	0.00157	-0.0010 mg/L	0.00157	162.34%
Strontiumt	-84.8	-0.0011 mg/L	0.00001	-0.0011 mg/L	0.00001	0.66%
Tint	-5.7	-0.0027 mg/L	0.00338	-0.0027 mg/L	0.00338	123.66%
Thalliumt	-4.0	-0.0009 mg/L	0.00862	-0.0009 mg/L	0.00862	938.26%
Titaniumt	116.4	-0.0008 mg/L	0.00028	-0.0008 mg/L	0.00028	33.79%
Vanadiumt	-254.3	-0.0039 mg/L	0.00137	-0.0039 mg/L	0.00137	35.11%
Zinct	16.0	0.0010 mg/L	0.00142	0.0010 mg/L	0.00142	140.44%
Argon	4531216.5	98.97 mg/L	0.423	98.97 mg/L	0.423	0.43%
Sodiumt	1333.7	0.0913 mg/L	0.00143	0.0913 mg/L	0.00143	1.57%
Magnesiumt	2289.1	0.0141 mg/L	0.00019	0.0141 mg/L	0.00019	1.36%
Iront	225.5	0.0136 mg/L	0.00074	0.0136 mg/L	0.00074	5.41%
Calciumt	1923.1	0.0073 mg/L	0.00110	0.0073 mg/L	0.00110	15.01%
Potassiumt	299.7	0.1168 mg/L	0.00025	0.1168 mg/L	0.00025	0.21%
Aluminum radialt	43.4	0.0387 mg/L	0.00831	0.0387 mg/L	0.00831	21.47%
Calcium radialt	69.9	0.0231 mg/L	0.00166	0.0231 mg/L	0.00166	7.20%
Iron radialt	3.2	0.0267 mg/L	0.00442	0.0267 mg/L	0.00442	16.54%
Magnesium radialt	76.3	0.0267 mg/L	0.00114	0.0267 mg/L	0.00114	4.28%
Sodium radialt	38.3	0.0124 mg/L	0.00770	0.0124 mg/L	0.00770	62.12%
Potassium radialt	22.7	0.0551 mg/L	0.00812	0.0551 mg/L	0.00812	14.72%
Strontium radialt	-26.4	-0.0001 mg/L	0.00005	-0.0001 mg/L	0.00005	43.01%

Sequence No.: 49
Sample ID: MBLK-117862
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 129
Date Collected: 1/9/2013 2:05:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MBLK-117862

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: MBLK-117862

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	594974.5	99.97	%	0.517				0.52%
Aluminumt	430.3	0.0063	mg/L	0.00212	0.0063	mg/L	0.00212	33.66%
Antimonyt	-1.6	-0.0014	mg/L	0.01096	-0.0014	mg/L	0.01096	776.36%
Arsenict	2.9	0.0023	mg/L	0.00903	0.0023	mg/L	0.00903	387.83%
Bariumt	-9.9	-0.0011	mg/L	0.00020	-0.0011	mg/L	0.00020	17.74%
Berylliumt	-279.4	-0.0007	mg/L	0.00014	-0.0007	mg/L	0.00014	20.38%
Boront	115.8	0.0074	mg/L	0.00077	0.0074	mg/L	0.00077	10.42%
Cadmiumt	-0.6	-0.0018	mg/L	0.00173	-0.0018	mg/L	0.00173	96.21%
Chromiumt	3.9	-0.0013	mg/L	0.00031	-0.0013	mg/L	0.00031	24.46%
Cobaltt	3.7	-0.0004	mg/L	0.00126	-0.0004	mg/L	0.00126	319.57%
Coppert	-28.0	-0.0015	mg/L	0.00095	-0.0015	mg/L	0.00095	61.74%
Lithiumt	1078.1	-0.0018	mg/L	0.00000	-0.0018	mg/L	0.00000	0.09%
Manganeset	29.3	-0.0010	mg/L	0.00003	-0.0010	mg/L	0.00003	3.16%
Molybdenumt	-3.3	-0.0023	mg/L	0.00048	-0.0023	mg/L	0.00048	21.04%
Nickelt	2.7	-0.0011	mg/L	0.00177	-0.0011	mg/L	0.00177	155.79%
Leadt	1.0	-0.0055	mg/L	0.00097	-0.0055	mg/L	0.00097	17.84%
Seleniumt	-0.2	0.0053	mg/L	0.01368	0.0053	mg/L	0.01368	260.18%
Silvert	75.1	-0.0007	mg/L	0.00127	-0.0007	mg/L	0.00127	188.38%
Strontiumt	-101.5	-0.0011	mg/L	0.00001	-0.0011	mg/L	0.00001	0.88%
Tint	-8.4	-0.0046	mg/L	0.00635	-0.0046	mg/L	0.00635	139.07%
Thalliumt	-4.6	-0.0015	mg/L	0.00613	-0.0015	mg/L	0.00613	399.61%
Titaniumt	53.4	-0.0010	mg/L	0.00002	-0.0010	mg/L	0.00002	2.46%
Vanadiumt	-275.7	-0.0043	mg/L	0.00172	-0.0043	mg/L	0.00172	40.26%
Zinct	21.6	0.0019	mg/L	0.00033	0.0019	mg/L	0.00033	17.65%
Argon	4595710.5	100.4	mg/L	0.35	100.4	mg/L	0.35	0.35%
Sodiumt	1580.6	0.0920	mg/L	0.00049	0.0920	mg/L	0.00049	0.53%
Magnesiumt	903.0	0.0056	mg/L	0.00049	0.0056	mg/L	0.00049	8.70%
Iront	76.3	0.0039	mg/L	0.00049	0.0039	mg/L	0.00049	12.40%
Calciumt	1335.1	0.0028	mg/L	0.00094	0.0028	mg/L	0.00094	33.09%
Potassiumt	277.4	0.1166	mg/L	0.00052	0.1166	mg/L	0.00052	0.44%
Aluminum radialt	9.2	0.0230	mg/L	0.00950	0.0230	mg/L	0.00950	41.28%
Calcium radialt	53.9	0.0187	mg/L	0.00256	0.0187	mg/L	0.00256	13.65%
Iron radialt	-0.9	0.0132	mg/L	0.00646	0.0132	mg/L	0.00646	48.87%
Magnesium radialt	31.6	0.0165	mg/L	0.00226	0.0165	mg/L	0.00226	13.72%
Sodium radialt	29.9	0.0103	mg/L	0.00800	0.0103	mg/L	0.00800	77.38%
Potassium radialt	30.8	0.0620	mg/L	0.02353	0.0620	mg/L	0.02353	37.94%
Strontium radialt	-28.1	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	47.13%

Sequence No.: 50
Sample ID: LCS-117862
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 130
Date Collected: 1/9/2013 2:08:43 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LCS-117862

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: LCS-117862

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	598420.2	100.5	%	1.15				1.14%
Aluminumt	64100.5	1.023	mg/L	0.0020	1.023	mg/L	0.0020	0.19%
Antimonyt	425.1	1.020	mg/L	0.0280	1.020	mg/L	0.0280	2.74%
Arsenict	686.1	1.043	mg/L	0.0135	1.043	mg/L	0.0135	1.30%
Bariumt	18988.1	1.014	mg/L	0.0202	1.014	mg/L	0.0202	1.99%
Berylliumt	1939761.8	1.038	mg/L	0.0014	1.038	mg/L	0.0014	0.14%
Boront	17561.2	1.028	mg/L	0.0175	1.028	mg/L	0.0175	1.70%
Cadmiumt	4534.2	1.003	mg/L	0.0166	1.003	mg/L	0.0166	1.66%
Chromiumt	47519.1	1.015	mg/L	0.0250	1.015	mg/L	0.0250	2.47%
Cobaltt	3873.8	1.008	mg/L	0.0184	1.008	mg/L	0.0184	1.82%
Coppert	78893.0	1.004	mg/L	0.0202	1.004	mg/L	0.0202	2.01%
Lithiumt	11098323.0	0.9890	mg/L	0.00660	0.9890	mg/L	0.00660	0.67%
Manganeset	331016.2	1.019	mg/L	0.0011	1.019	mg/L	0.0011	0.11%
Molybdenumt	3682.1	0.9994	mg/L	0.01794	0.9994	mg/L	0.01794	1.79%
Nickelt	4325.3	1.009	mg/L	0.0195	1.009	mg/L	0.0195	1.94%
Leadt	734.5	0.9987	mg/L	0.01557	0.9987	mg/L	0.01557	1.56%
Seleniumt	543.5	1.041	mg/L	0.0164	1.041	mg/L	0.0164	1.58%
Silvert	105097.5	1.004	mg/L	0.0181	1.004	mg/L	0.0181	1.80%
Strontiumt	7789451.0	0.5053	mg/L	0.00350	0.5053	mg/L	0.00350	0.69%
Tint	1464.0	0.9995	mg/L	0.02354	0.9995	mg/L	0.02354	2.36%
Thalliumt	1063.3	1.000	mg/L	0.0221	1.000	mg/L	0.0221	2.21%
Titaniumt	381177.7	1.010	mg/L	0.0015	1.010	mg/L	0.0015	0.14%
Vanadiumt	57125.9	1.009	mg/L	0.0216	1.009	mg/L	0.0216	2.14%
Zinct	6570.7	1.019	mg/L	0.0216	1.019	mg/L	0.0216	2.12%
Argon	4625493.3	101.0	mg/L	0.16	101.0	mg/L	0.16	0.16%
Sodiumt	3768612.4	10.83	mg/L	0.084	10.83	mg/L	0.084	0.77%
Magnesiumt	166662.4	1.022	mg/L	0.0213	1.022	mg/L	0.0213	2.08%
Iront	15703.2	1.019	mg/L	0.0228	1.019	mg/L	0.0228	2.24%
Calciumt	134384.8	1.015	mg/L	0.0224	1.015	mg/L	0.0224	2.21%
Potassiumt	1649679.2	10.45	mg/L	0.041	10.45	mg/L	0.041	0.39%
Aluminum radialt	2177.2	1.020	mg/L	0.0384	1.020	mg/L	0.0384	3.77%
Calcium radialt	3709.7	1.022	mg/L	0.0132	1.022	mg/L	0.0132	1.30%
Iron radialt	306.6	1.021	mg/L	0.0148	1.021	mg/L	0.0148	1.45%
Magnesium radialt	4434.8	1.024	mg/L	0.0132	1.024	mg/L	0.0132	1.28%
Sodium radialt	41402.6	10.25	mg/L	0.130	10.25	mg/L	0.130	1.26%
Potassium radialt	12128.3	10.33	mg/L	0.121	10.33	mg/L	0.121	1.17%
Strontium radialt	249350.4	0.5119	mg/L	0.00756	0.5119	mg/L	0.00756	1.48%

Sequence No.: 51
Sample ID: L0024384-06C
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 131
Date Collected: 1/9/2013 2:11:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024384-06C

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-06C

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	579368.9	97.35	%	1.755				1.80%
Aluminumt	21101.2	0.3365	mg/L	0.00540	0.3365	mg/L	0.00540	1.61%
Antimonyt	-17.1	-0.0147	mg/L	0.00386	-0.0147	mg/L	0.00386	26.26%
Arsenict	2.2	0.0007	mg/L	0.01241	0.0007	mg/L	0.01241	>999.9%
Bariumt	3692.1	0.1938	mg/L	0.00226	0.1938	mg/L	0.00226	1.17%
Berylliumt	205.7	-0.0004	mg/L	0.00002	-0.0004	mg/L	0.00002	5.67%
Boront	739.4	0.0335	mg/L	0.00341	0.0335	mg/L	0.00341	10.18%
Cadmiumt	3.0	-0.0010	mg/L	0.00081	-0.0010	mg/L	0.00081	83.43%
Chromiumt	201.1	0.0030	mg/L	0.00022	0.0030	mg/L	0.00022	7.54%
Cobaltt	0.5	-0.0012	mg/L	0.00071	-0.0012	mg/L	0.00071	57.59%
Coppert	-175.1	-0.0014	mg/L	0.00114	-0.0014	mg/L	0.00114	81.59%
Lithiumt	21072.8	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	98.57%
Manganeset	1117352.4	3.441	mg/L	0.0080	3.441	mg/L	0.0080	0.23%
Molybdenumt	27.2	0.0053	mg/L	0.00247	0.0053	mg/L	0.00247	46.65%
Nickelt	-7.3	-0.0008	mg/L	0.00181	-0.0008	mg/L	0.00181	224.53%
Leadt	11.4	0.0087	mg/L	0.00559	0.0087	mg/L	0.00559	63.94%
Seleniumt	-6.2	0.0067	mg/L	0.01002	0.0067	mg/L	0.01002	149.22%
Silvert	286.0	0.0005	mg/L	0.00132	0.0005	mg/L	0.00132	267.05%
Strontiumt	4016247.6	0.2592	mg/L	0.00532	0.2592	mg/L	0.00532	2.05%
Tint	-0.8	-0.0002	mg/L	0.00505	-0.0002	mg/L	0.00505	>999.9%
Thalliumt	-35.3	-0.0303	mg/L	0.00575	-0.0303	mg/L	0.00575	18.99%
Titaniumt	3270.8	0.0075	mg/L	0.00093	0.0075	mg/L	0.00093	12.28%
Vanadiumt	1151.8	0.0101	mg/L	0.00166	0.0101	mg/L	0.00166	16.47%
Zinct	60.0	0.0079	mg/L	0.00154	0.0079	mg/L	0.00154	19.61%
Argon	4579400.5	100.0	mg/L	0.13	100.0	mg/L	0.13	0.13%
Sodiumt	Saturated3							
Magnesiumt	2907571.8	17.82	mg/L	0.033	17.82	mg/L	0.033	0.19%
Iront	958487.3	62.27	mg/L	0.132	62.27	mg/L	0.132	0.21%
Calciumt	4428613.9	33.67	mg/L	0.059	33.67	mg/L	0.059	0.18%
Potassiumt	269516.9	1.804	mg/L	0.0019	1.804	mg/L	0.0019	0.11%
Aluminum radialt	788.7	0.3815	mg/L	0.01549	0.3815	mg/L	0.01549	4.06%
Calcium radialt	125155.6	34.33	mg/L	0.536	34.33	mg/L	0.536	1.56%
Iron radialt	19754.6	64.77	mg/L	0.960	64.77	mg/L	0.960	1.48%
Magnesium radialt	74188.0	16.99	mg/L	0.272	16.99	mg/L	0.272	1.60%
Sodium radialt	394693.2	97.65	mg/L	1.752	97.65	mg/L	1.752	1.79%
Potassium radialt	1455.1	1.271	mg/L	0.0460	1.271	mg/L	0.0460	3.62%
Strontium radialt	133692.9	0.2745	mg/L	0.00489	0.2745	mg/L	0.00489	1.78%

Sequence No.: 52
Sample ID: L0024384-06CSD
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 132
Date Collected: 1/9/2013 2:14:02 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024384-06CSD

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-06CSD

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	583032.8	97.96	%	1.241				1.27%
Aluminumt	4343.2	0.0688	mg/L	0.00039	0.3440	mg/L	0.00196	0.57%
Antimonyt	-6.6	-0.0086	mg/L	0.00649	-0.0429	mg/L	0.03246	75.61%
Arsenict	0.4	-0.0015	mg/L	0.00266	-0.0077	mg/L	0.01328	172.12%
Bariumt	713.2	0.0369	mg/L	0.00113	0.1847	mg/L	0.00563	3.05%
Berylliumt	30.1	-0.0005	mg/L	0.00005	-0.0026	mg/L	0.00027	10.18%
Boront	146.0	0.0071	mg/L	0.00113	0.0356	mg/L	0.00565	15.87%
Cadmiumt	-0.6	-0.0017	mg/L	0.00032	-0.0086	mg/L	0.00159	18.51%
Chromiumt	64.5	0.0000	mg/L	0.00041	0.0002	mg/L	0.00205	892.55%
Cobaltt	1.2	-0.0010	mg/L	0.00123	-0.0051	mg/L	0.00616	119.90%
Coppert	-70.7	-0.0017	mg/L	0.00065	-0.0084	mg/L	0.00326	38.75%
Lithiumt	4424.1	-0.0015	mg/L	0.00001	-0.0075	mg/L	0.00006	0.78%
Manganeset	224261.2	0.6897	mg/L	0.00153	3.449	mg/L	0.0077	0.22%
Molybdenumt	-1.3	-0.0019	mg/L	0.00170	-0.0094	mg/L	0.00850	90.82%
Nickelt	6.6	0.0003	mg/L	0.00126	0.0015	mg/L	0.00632	410.45%
Leadt	5.2	0.0003	mg/L	0.01021	0.0015	mg/L	0.05107	>999.9%
Seleniumt	-2.3	0.0038	mg/L	0.00533	0.0188	mg/L	0.02663	141.69%
Silvert	44.6	-0.0011	mg/L	0.00045	-0.0056	mg/L	0.00227	40.18%
Strontiumt	816922.8	0.0519	mg/L	0.00011	0.2594	mg/L	0.00055	0.21%
Tint	-1.8	-0.0002	mg/L	0.00850	-0.0010	mg/L	0.04250	>999.9%
Thalliumt	-6.6	-0.0034	mg/L	0.00266	-0.0169	mg/L	0.01329	78.38%
Titaniumt	606.6	0.0005	mg/L	0.00025	0.0024	mg/L	0.00124	51.55%
Vanadiumt	-5.6	-0.0017	mg/L	0.00271	-0.0083	mg/L	0.01355	163.83%
Zinct	21.2	0.0018	mg/L	0.00042	0.0091	mg/L	0.00212	23.16%
Argon	4572773.9	99.88	mg/L	0.148	499.4	mg/L	0.74	0.15%
Sodiumt	7128021.9	20.41	mg/L	0.361	102.0	mg/L	1.81	1.77%
Magnesiumt	553083.0	3.390	mg/L	0.0104	16.95	mg/L	0.052	0.31%
Iront	196066.5	12.74	mg/L	0.023	63.68	mg/L	0.116	0.18%
Calciumt	882045.3	6.701	mg/L	0.0156	33.50	mg/L	0.078	0.23%
Potassiumt	38529.7	0.3563	mg/L	0.00189	1.782	mg/L	0.0094	0.53%
Aluminum radialt	154.6	0.0899	mg/L	0.00252	0.4494	mg/L	0.01258	2.80%
Calcium radialt	24720.7	6.785	mg/L	0.0279	33.92	mg/L	0.140	0.41%
Iron radialt	3940.9	12.94	mg/L	0.032	64.68	mg/L	0.162	0.25%
Magnesium radialt	14762.1	3.388	mg/L	0.0181	16.94	mg/L	0.090	0.53%
Sodium radialt	77795.1	19.25	mg/L	0.273	96.25	mg/L	1.366	1.42%
Potassium radialt	314.4	0.3027	mg/L	0.02138	1.513	mg/L	0.1069	7.06%
Strontium radialt	26208.0	0.0538	mg/L	0.00046	0.2688	mg/L	0.00230	0.85%

Sequence No.: 53
Sample ID: L0024384-06CMS
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 133
Date Collected: 1/9/2013 2:16:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024384-06CMS

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-06CMS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	580441.5	97.53	%	0.880				0.90%
Aluminumt	88088.0	1.406	mg/L	0.0097	1.406	mg/L	0.0097	0.69%
Antimonyt	398.0	0.9789	mg/L	0.00454	0.9789	mg/L	0.00454	0.46%
Arsenict	674.9	1.025	mg/L	0.0258	1.025	mg/L	0.0258	2.51%
Bariumt	22016.9	1.173	mg/L	0.0356	1.173	mg/L	0.0356	3.03%
Berylliumt	1903336.4	1.019	mg/L	0.0021	1.019	mg/L	0.0021	0.21%
Boront	18377.2	1.065	mg/L	0.0307	1.065	mg/L	0.0307	2.88%
Cadmiumt	4433.6	0.9807	mg/L	0.00977	0.9807	mg/L	0.00977	1.00%
Chromiumt	46004.9	0.9828	mg/L	0.02952	0.9828	mg/L	0.02952	3.00%
Cobaltt	3714.5	0.9663	mg/L	0.01209	0.9663	mg/L	0.01209	1.25%
Coppert	76911.1	0.9809	mg/L	0.02958	0.9809	mg/L	0.02958	3.02%
Lithiumt	10401802.3	0.9268	mg/L	0.01657	0.9268	mg/L	0.01657	1.79%
Manganeset	1440297.1	4.436	mg/L	0.0108	4.436	mg/L	0.0108	0.24%
Molybdenumt	3646.5	0.9890	mg/L	0.01100	0.9890	mg/L	0.01100	1.11%
Nickelt	4133.2	0.9664	mg/L	0.00930	0.9664	mg/L	0.00930	0.96%
Leadt	707.8	0.9621	mg/L	0.00536	0.9621	mg/L	0.00536	0.56%
Seleniumt	538.0	1.043	mg/L	0.0316	1.043	mg/L	0.0316	3.03%
Silvert	102065.3	0.9739	mg/L	0.02813	0.9739	mg/L	0.02813	2.89%
Strontiumt	11484306.8	0.7447	mg/L	0.01196	0.7447	mg/L	0.01196	1.61%
Tint	1424.5	0.9717	mg/L	0.01359	0.9717	mg/L	0.01359	1.40%
Thalliumt	976.9	0.9194	mg/L	0.00488	0.9194	mg/L	0.00488	0.53%
Titaniumt	375927.0	0.9960	mg/L	0.00303	0.9960	mg/L	0.00303	0.30%
Vanadiumt	57369.1	1.002	mg/L	0.0310	1.002	mg/L	0.0310	3.09%
Zinct	6327.3	0.9811	mg/L	0.02577	0.9811	mg/L	0.02577	2.63%
Argon	4613867.3	100.8	mg/L	0.27	100.8	mg/L	0.27	0.27%
Sodiumt	Saturated3							
Magnesiumt	3118906.7	19.12	mg/L	0.046	19.12	mg/L	0.046	0.24%
Iront	981715.3	63.78	mg/L	0.131	63.78	mg/L	0.131	0.21%
Calciumt	4610326.0	35.06	mg/L	0.080	35.06	mg/L	0.080	0.23%
Potassiumt	2472393.3	15.61	mg/L	0.053	15.61	mg/L	0.053	0.34%
Aluminum radialt	3096.6	1.443	mg/L	0.0445	1.443	mg/L	0.0445	3.08%
Calcium radialt	130949.9	35.92	mg/L	0.799	35.92	mg/L	0.799	2.22%
Iron radialt	20457.9	67.08	mg/L	1.235	67.08	mg/L	1.235	1.84%
Magnesium radialt	79659.8	18.24	mg/L	0.336	18.24	mg/L	0.336	1.84%
Sodium radialt	436458.3	108.0	mg/L	2.12	108.0	mg/L	2.12	1.97%
Potassium radialt	13593.2	11.57	mg/L	0.244	11.57	mg/L	0.244	2.11%
Strontium radialt	378380.7	0.7769	mg/L	0.01622	0.7769	mg/L	0.01622	2.09%

Sequence No.: 54
Sample ID: L0024384-06CMSD
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 134
Date Collected: 1/9/2013 2:19:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024384-06CMSD

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-06CMSD

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	573267.8	96.32	%	1.844				1.91%
Aluminumt	91883.7	1.467	mg/L	0.0092	1.467	mg/L	0.0092	0.63%
Antimonyt	413.1	1.016	mg/L	0.0425	1.016	mg/L	0.0425	4.18%
Arsenict	708.4	1.076	mg/L	0.0159	1.076	mg/L	0.0159	1.47%
Bariumt	23187.1	1.235	mg/L	0.0392	1.235	mg/L	0.0392	3.18%
Berylliumt	1958463.2	1.048	mg/L	0.0001	1.048	mg/L	0.0001	0.01%
Boront	19274.9	1.117	mg/L	0.0347	1.117	mg/L	0.0347	3.11%
Cadmiumt	4603.9	1.018	mg/L	0.0132	1.018	mg/L	0.0132	1.30%
Chromiumt	48089.4	1.027	mg/L	0.0313	1.027	mg/L	0.0313	3.04%
Cobaltt	3851.6	1.002	mg/L	0.0161	1.002	mg/L	0.0161	1.61%
Coppert	80539.1	1.027	mg/L	0.0304	1.027	mg/L	0.0304	2.96%
Lithiumt	10794414.6	0.9618	mg/L	0.01601	0.9618	mg/L	0.01601	1.66%
Manganeset	1524111.4	4.694	mg/L	0.0017	4.694	mg/L	0.0017	0.04%
Molybdenumt	3790.9	1.028	mg/L	0.0149	1.028	mg/L	0.0149	1.45%
Nickelt	4300.7	1.006	mg/L	0.0126	1.006	mg/L	0.0126	1.25%
Leadt	731.1	0.9940	mg/L	0.02370	0.9940	mg/L	0.02370	2.38%
Seleniumt	548.2	1.064	mg/L	0.0171	1.064	mg/L	0.0171	1.60%
Silvert	107106.8	1.022	mg/L	0.0295	1.022	mg/L	0.0295	2.89%
Strontiumt	12065302.7	0.7824	mg/L	0.01254	0.7824	mg/L	0.01254	1.60%
Tint	1477.5	1.008	mg/L	0.0117	1.008	mg/L	0.0117	1.16%
Thalliumt	1023.6	0.9632	mg/L	0.01274	0.9632	mg/L	0.01274	1.32%
Titaniumt	387470.2	1.027	mg/L	0.0022	1.027	mg/L	0.0022	0.21%
Vanadiumt	60196.0	1.051	mg/L	0.0323	1.051	mg/L	0.0323	3.07%
Zinct	6591.6	1.022	mg/L	0.0348	1.022	mg/L	0.0348	3.41%
Argon	4601665.9	100.5	mg/L	0.35	100.5	mg/L	0.35	0.34%
Sodiumt	Saturated3							
Magnesiumt	3322547.9	20.36	mg/L	0.042	20.36	mg/L	0.042	0.21%
Iront	1044523.5	67.86	mg/L	0.036	67.86	mg/L	0.036	0.05%
Calciumt	4908965.1	37.33	mg/L	0.063	37.33	mg/L	0.063	0.17%
Potassiumt	2569203.3	16.21	mg/L	0.083	16.21	mg/L	0.083	0.51%
Aluminum radialt	3280.0	1.527	mg/L	0.0453	1.527	mg/L	0.0453	2.96%
Calcium radialt	139398.6	38.24	mg/L	0.723	38.24	mg/L	0.723	1.89%
Iron radialt	21801.4	71.48	mg/L	0.843	71.48	mg/L	0.843	1.18%
Magnesium radialt	84864.9	19.44	mg/L	0.337	19.44	mg/L	0.337	1.74%
Sodium radialt	466548.0	115.4	mg/L	2.37	115.4	mg/L	2.37	2.05%
Potassium radialt	14201.9	12.09	mg/L	0.312	12.09	mg/L	0.312	2.58%
Strontium radialt	395403.9	0.8118	mg/L	0.01725	0.8118	mg/L	0.01725	2.13%

Sequence No.: 55
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/9/2013 2:21:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	589837.9	99.10	%	0.651				0.66%
Aluminumt	31731.0	0.5062	mg/L	0.00859	0.5062	mg/L	0.00859	1.70%
QC value within limits for Aluminum Recovery = 101.25%								
Antimonyt	198.4	0.4767	mg/L	0.00474	0.4767	mg/L	0.00474	1.00%
QC value within limits for Antimony Recovery = 95.33%								
Arsenict	329.8	0.5002	mg/L	0.01042	0.5002	mg/L	0.01042	2.08%
QC value within limits for Arsenic Recovery = 100.05%								
Bariumt	9574.2	0.5109	mg/L	0.00864	0.5109	mg/L	0.00864	1.69%
QC value within limits for Barium Recovery = 102.18%								
Berylliumt	950314.9	0.5083	mg/L	0.00248	0.5083	mg/L	0.00248	0.49%
QC value within limits for Beryllium Recovery = 101.66%								
Boront	8677.9	0.5083	mg/L	0.00622	0.5083	mg/L	0.00622	1.22%
QC value within limits for Boron Recovery = 101.67%								
Cadmiumt	2239.1	0.4949	mg/L	0.00459	0.4949	mg/L	0.00459	0.93%
QC value within limits for Cadmium Recovery = 98.98%								
Chromiumt	23725.9	0.5062	mg/L	0.01049	0.5062	mg/L	0.01049	2.07%
QC value within limits for Chromium Recovery = 101.24%								
Cobaltt	1932.6	0.5021	mg/L	0.00300	0.5021	mg/L	0.00300	0.60%
QC value within limits for Cobalt Recovery = 100.42%								
Coppert	40344.2	0.5129	mg/L	0.01126	0.5129	mg/L	0.01126	2.20%
QC value within limits for Copper Recovery = 102.58%								
Lithiumt	5693777.2	0.5064	mg/L	0.00658	0.5064	mg/L	0.00658	1.30%
QC value within limits for Lithium Recovery = 101.29%								
Manganeset	165341.6	0.5083	mg/L	0.00901	0.5083	mg/L	0.00901	1.77%
QC value within limits for Manganese Recovery = 101.65%								
Molybdenumt	1842.8	0.4995	mg/L	0.00138	0.4995	mg/L	0.00138	0.28%
QC value within limits for Molybdenum Recovery = 99.89%								
Nickelt	2153.5	0.5012	mg/L	0.00229	0.5012	mg/L	0.00229	0.46%
QC value within limits for Nickel Recovery = 100.25%								
Leadt	370.9	0.5010	mg/L	0.00823	0.5010	mg/L	0.00823	1.64%
QC value within limits for Lead Recovery = 100.19%								
Seleniumt	259.4	0.4997	mg/L	0.00965	0.4997	mg/L	0.00965	1.93%
QC value within limits for Selenium Recovery = 99.93%								
Silvert	54247.9	0.5173	mg/L	0.00879	0.5173	mg/L	0.00879	1.70%
QC value within limits for Silver Recovery = 103.46%								
Strontiumt	3913871.0	0.2534	mg/L	0.00316	0.2534	mg/L	0.00316	1.25%
QC value within limits for Strontium Recovery = 101.35%								
Tint	715.1	0.4888	mg/L	0.01090	0.4888	mg/L	0.01090	2.23%
QC value within limits for Tin Recovery = 97.76%								
Thalliumt	524.3	0.4947	mg/L	0.00890	0.4947	mg/L	0.00890	1.80%
QC value within limits for Thallium Recovery = 98.94%								
Titaniumt	191921.5	0.5079	mg/L	0.00204	0.5079	mg/L	0.00204	0.40%
QC value within limits for Titanium Recovery = 101.59%								
Vanadiumt	28646.5	0.5063	mg/L	0.01324	0.5063	mg/L	0.01324	2.62%
QC value within limits for Vanadium Recovery = 101.26%								
Zinct	3197.7	0.4951	mg/L	0.00355	0.4951	mg/L	0.00355	0.72%
QC value within limits for Zinc Recovery = 99.03%								
Argon	4563561.3	99.68	mg/L	0.181	99.68	mg/L	0.181	0.18%
Sodiumt	1750056.2	5.076	mg/L	0.0740	5.076	mg/L	0.0740	1.46%
QC value within limits for Sodium Recovery = 101.52%								
Magnesiumt	83409.9	0.5113	mg/L	0.00995	0.5113	mg/L	0.00995	1.95%
QC value within limits for Magnesium Recovery = 102.26%								
Iront	7937.0	0.5146	mg/L	0.00866	0.5146	mg/L	0.00866	1.68%
QC value within limits for Iron Recovery = 102.92%								
Calciumt	71496.7	0.5364	mg/L	0.01058	0.5364	mg/L	0.01058	1.97%

QC value within limits for Calcium Recovery = 107.29%

Potassium†	725265.3	4.660 mg/L	0.0013	4.660 mg/L	0.0013	0.03%

QC value within limits for Potassium Recovery = 93.19%

Aluminum radial†	1105.0	0.5270 mg/L	0.04132	0.5270 mg/L	0.04132	7.84%

QC value within limits for Aluminum radial Recovery = 105.39%

Calcium radial†	1996.7	0.5516 mg/L	0.00261	0.5516 mg/L	0.00261	0.47%

QC value greater than the upper limit for Calcium radial Recovery = 110.33%

Iron radial†	156.3	0.5288 mg/L	0.00990	0.5288 mg/L	0.00990	1.87%

QC value within limits for Iron radial Recovery = 105.75%

Magnesium radial†	2262.3	0.5271 mg/L	0.00209	0.5271 mg/L	0.00209	0.40%

QC value within limits for Magnesium radial Recovery = 105.41%

Sodium radial†	20679.6	5.119 mg/L	0.0841	5.119 mg/L	0.0841	1.64%

QC value within limits for Sodium radial Recovery = 102.38%

Potassium radial†	5859.7	5.009 mg/L	0.0291	5.009 mg/L	0.0291	0.58%

QC value within limits for Potassium radial Recovery = 100.18%

Strontium radial†	123550.5	0.2536 mg/L	0.00560	0.2536 mg/L	0.00560	2.21%

QC value within limits for Strontium radial Recovery = 101.45%

QC Failed. Continue with analysis.

Sequence No.: 56
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/9/2013 2:24:42 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	590986.9	99.30	%	1.299				1.31%
Aluminumt	-32.7	-0.0011	mg/L	0.00130	-0.0011	mg/L	0.00130	117.48%
QC value within limits for Aluminum Recovery = Not calculated								
Antimonyt	-6.9	-0.0142	mg/L	0.01199	-0.0142	mg/L	0.01199	84.49%
QC value within limits for Antimony Recovery = Not calculated								
Arsenict	2.9	0.0022	mg/L	0.00293	0.0022	mg/L	0.00293	130.98%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	-2.1	-0.0007	mg/L	0.00082	-0.0007	mg/L	0.00082	120.13%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	-54.2	-0.0006	mg/L	0.00007	-0.0006	mg/L	0.00007	11.81%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	41.6	0.0031	mg/L	0.00068	0.0031	mg/L	0.00068	21.95%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	1.0	-0.0014	mg/L	0.00132	-0.0014	mg/L	0.00132	91.90%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	2.4	-0.0013	mg/L	0.00027	-0.0013	mg/L	0.00027	20.91%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	-3.4	-0.0022	mg/L	0.00023	-0.0022	mg/L	0.00023	10.04%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	94.7	0.0000	mg/L	0.00090	0.0000	mg/L	0.00090	>999.9%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	550.1	-0.0019	mg/L	0.00001	-0.0019	mg/L	0.00001	0.45%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	31.0	-0.0010	mg/L	0.00002	-0.0010	mg/L	0.00002	1.57%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-3.2	-0.0023	mg/L	0.00093	-0.0023	mg/L	0.00093	41.12%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	5.7	-0.0004	mg/L	0.00173	-0.0004	mg/L	0.00173	404.00%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	6.4	0.0019	mg/L	0.00475	0.0019	mg/L	0.00475	253.31%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	-3.4	-0.0009	mg/L	0.00358	-0.0009	mg/L	0.00358	404.16%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	-49.3	-0.0018	mg/L	0.00086	-0.0018	mg/L	0.00086	46.41%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	136.3	-0.0011	mg/L	0.00001	-0.0011	mg/L	0.00001	1.11%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-1.1	0.0004	mg/L	0.00336	0.0004	mg/L	0.00336	754.88%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-7.4	-0.0041	mg/L	0.00954	-0.0041	mg/L	0.00954	232.34%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	20.7	-0.0011	mg/L	0.00010	-0.0011	mg/L	0.00010	9.23%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	-257.5	-0.0039	mg/L	0.00058	-0.0039	mg/L	0.00058	14.78%
QC value within limits for Vanadium Recovery = Not calculated								
Zinct	11.7	0.0003	mg/L	0.00096	0.0003	mg/L	0.00096	277.42%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4551698.7	99.42	mg/L	0.447	99.42	mg/L	0.447	0.45%
Sodiumt	1614.2	0.0921	mg/L	0.00026	0.0921	mg/L	0.00026	0.29%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	25.1	0.0002	mg/L	0.00042	0.0002	mg/L	0.00042	177.56%
QC value within limits for Magnesium Recovery = Not calculated								
Iront	12.2	-0.0002	mg/L	0.00032	-0.0002	mg/L	0.00032	142.28%
QC value within limits for Iron Recovery = Not calculated								
Calciumt	-58.9	-0.0078	mg/L	0.00094	-0.0078	mg/L	0.00094	12.15%

QC value within limits for Calcium Recovery = Not calculated

Potassium†	21.5	0.1150 mg/L	0.00060	0.1150 mg/L	0.00060	0.52%

QC value within limits for Potassium Recovery = Not calculated

Aluminum radial†	-1.0	0.0183 mg/L	0.00715	0.0183 mg/L	0.00715	39.09%

QC value within limits for Aluminum radial Recovery = Not calculated

Calcium radial†	2.6	0.0046 mg/L	0.00102	0.0046 mg/L	0.00102	22.02%

QC value within limits for Calcium radial Recovery = Not calculated

Iron radial†	-3.5	0.0048 mg/L	0.01015	0.0048 mg/L	0.01015	209.44%

QC value within limits for Iron radial Recovery = Not calculated

Magnesium radial†	4.8	0.0103 mg/L	0.00057	0.0103 mg/L	0.00057	5.51%

QC value within limits for Magnesium radial Recovery = Not calculated

Sodium radial†	83.3	0.0235 mg/L	0.00831	0.0235 mg/L	0.00831	35.29%

QC value within limits for Sodium radial Recovery = Not calculated

Potassium radial†	-23.3	0.0161 mg/L	0.03007	0.0161 mg/L	0.03007	186.30%

QC value within limits for Potassium radial Recovery = Not calculated

Strontium radial†	-1.7	-0.0001 mg/L	0.00004	-0.0001 mg/L	0.00004	69.95%

QC value within limits for Strontium radial Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 57
Sample ID: L0024384-06CPDS
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 135
Date Collected: 1/9/2013 2:27:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024384-06CPDS

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-06CPDS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	589369.8	99.03	%	0.461				0.47%
Aluminumt	19795.6	0.3156	mg/L	0.00314	1.578	mg/L	0.0157	1.00%
Antimonyt	96.3	0.2374	mg/L	0.01330	1.187	mg/L	0.0665	5.60%
Arsenict	165.0	0.2490	mg/L	0.00427	1.245	mg/L	0.0214	1.71%
Bariumt	5289.9	0.2815	mg/L	0.00144	1.407	mg/L	0.0072	0.51%
Berylliumt	463407.3	0.2476	mg/L	0.00069	1.238	mg/L	0.0035	0.28%
Boront	4485.0	0.2610	mg/L	0.00399	1.305	mg/L	0.0200	1.53%
Cadmiumt	1100.2	0.2423	mg/L	0.00184	1.211	mg/L	0.0092	0.76%
Chromiumt	11581.4	0.2464	mg/L	0.00082	1.232	mg/L	0.0041	0.33%
Cobaltt	946.4	0.2452	mg/L	0.00342	1.226	mg/L	0.0171	1.40%
Coppert	19428.6	0.2468	mg/L	0.00373	1.234	mg/L	0.0187	1.51%
Lithiumt	2712515.7	0.2403	mg/L	0.00129	1.201	mg/L	0.0064	0.54%
Manganeset	306562.4	0.9433	mg/L	0.00339	4.716	mg/L	0.0169	0.36%
Molybdenumt	904.8	0.2444	mg/L	0.00218	1.222	mg/L	0.0109	0.89%
Nickelt	1057.2	0.2457	mg/L	0.00361	1.228	mg/L	0.0180	1.47%
Leadt	183.4	0.2442	mg/L	0.01174	1.221	mg/L	0.0587	4.81%
Seleniumt	131.9	0.2593	mg/L	0.01229	1.297	mg/L	0.0614	4.74%
Silvert	26021.2	0.2473	mg/L	0.00084	1.236	mg/L	0.0042	0.34%
Strontiumt	2705846.8	0.1747	mg/L	0.00047	0.8734	mg/L	0.00237	0.27%
Tint	-1.5	0.0000	mg/L	0.00435	-0.0001	mg/L	0.02174	>999.9%
Thalliumt	241.3	0.2293	mg/L	0.00693	1.146	mg/L	0.0346	3.02%
Titaniumt	94845.1	0.2505	mg/L	0.00120	1.252	mg/L	0.0060	0.48%
Vanadiumt	14030.5	0.2461	mg/L	0.00289	1.231	mg/L	0.0144	1.17%
Zinct	1596.3	0.2464	mg/L	0.00195	1.232	mg/L	0.0098	0.79%
Argon	4593319.7	100.3	mg/L	0.30	501.7	mg/L	1.51	0.30%
Sodiumt	8116985.5	23.23	mg/L	0.222	116.1	mg/L	1.11	0.96%
Magnesiumt	598460.5	3.668	mg/L	0.0115	18.34	mg/L	0.057	0.31%
Iront	202282.2	13.14	mg/L	0.049	65.70	mg/L	0.245	0.37%
Calciumt	923344.5	7.015	mg/L	0.0157	35.07	mg/L	0.078	0.22%
Potassiumt	435585.0	2.844	mg/L	0.0094	14.22	mg/L	0.047	0.33%
Aluminum radialt	666.7	0.3254	mg/L	0.00331	1.627	mg/L	0.0166	1.02%
Calcium radialt	25689.0	7.051	mg/L	0.0332	35.25	mg/L	0.166	0.47%
Iron radialt	4020.0	13.19	mg/L	0.076	65.97	mg/L	0.382	0.58%
Magnesium radialt	15875.6	3.643	mg/L	0.0234	18.22	mg/L	0.117	0.64%
Sodium radialt	88828.4	21.98	mg/L	0.270	109.9	mg/L	1.35	1.23%
Potassium radialt	3270.8	2.812	mg/L	0.0385	14.06	mg/L	0.193	1.37%
Strontium radialt	87685.3	0.1800	mg/L	0.00230	0.9000	mg/L	0.01150	1.28%

Sequence No.: 58
Sample ID: L0024384-06CPDSD
Analyst:
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 136
Date Collected: 1/9/2013 2:30:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024384-06CPDSD

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-06CPDSD

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	588260.6	98.84	%	0.716				0.72%
Aluminumt	19801.5	0.3157	mg/L	0.00420	1.579	mg/L	0.0210	1.33%
Antimonyt	95.9	0.2365	mg/L	0.02420	1.182	mg/L	0.1210	10.23%
Arsenict	167.9	0.2535	mg/L	0.00988	1.267	mg/L	0.0494	3.90%
Bariumt	5265.4	0.2802	mg/L	0.00289	1.401	mg/L	0.0145	1.03%
Berylliumt	460981.3	0.2463	mg/L	0.00058	1.231	mg/L	0.0029	0.24%
Boront	4386.5	0.2552	mg/L	0.00295	1.276	mg/L	0.0148	1.16%
Cadmiumt	1089.7	0.2398	mg/L	0.00269	1.199	mg/L	0.0135	1.12%
Chromiumt	11448.0	0.2436	mg/L	0.00264	1.218	mg/L	0.0132	1.08%
Cobaltt	935.9	0.2424	mg/L	0.00331	1.212	mg/L	0.0166	1.37%
Coppert	19136.8	0.2431	mg/L	0.00180	1.215	mg/L	0.0090	0.74%
Lithiumt	2694761.3	0.2387	mg/L	0.00087	1.193	mg/L	0.0043	0.36%
Manganeset	301033.6	0.9262	mg/L	0.00337	4.631	mg/L	0.0168	0.36%
Molybdenumt	906.4	0.2448	mg/L	0.00267	1.224	mg/L	0.0133	1.09%
Nickelt	1047.9	0.2435	mg/L	0.00227	1.218	mg/L	0.0114	0.93%
Leadt	179.7	0.2392	mg/L	0.00899	1.196	mg/L	0.0449	3.76%
Seleniumt	126.0	0.2480	mg/L	0.02049	1.240	mg/L	0.1025	8.26%
Silvert	25744.5	0.2446	mg/L	0.00192	1.223	mg/L	0.0096	0.78%
Strontiumt	2687991.9	0.1735	mg/L	0.00050	0.8676	mg/L	0.00252	0.29%
Tint	1.2	0.0018	mg/L	0.00294	0.0092	mg/L	0.01470	159.72%
Thalliumt	245.0	0.2327	mg/L	0.01575	1.163	mg/L	0.0788	6.77%
Titaniumt	93645.9	0.2473	mg/L	0.00064	1.236	mg/L	0.0032	0.26%
Vanadiumt	13871.1	0.2433	mg/L	0.00022	1.217	mg/L	0.0011	0.09%
Zinct	1572.1	0.2427	mg/L	0.00374	1.213	mg/L	0.0187	1.54%
Argon	4610969.5	100.7	mg/L	0.52	503.6	mg/L	2.59	0.51%
Sodiumt	8122272.4	23.24	mg/L	0.398	116.2	mg/L	1.99	1.71%
Magnesiumt	592447.9	3.631	mg/L	0.0067	18.16	mg/L	0.034	0.18%
Iront	199197.4	12.94	mg/L	0.050	64.70	mg/L	0.251	0.39%
Calciumt	914615.4	6.949	mg/L	0.0098	34.74	mg/L	0.049	0.14%
Potassiumt	430294.3	2.811	mg/L	0.0075	14.06	mg/L	0.038	0.27%
Aluminum radialt	695.7	0.3387	mg/L	0.00308	1.694	mg/L	0.0154	0.91%
Calcium radialt	25427.2	6.979	mg/L	0.0318	34.89	mg/L	0.159	0.46%
Iron radialt	3977.8	13.06	mg/L	0.078	65.28	mg/L	0.388	0.59%
Magnesium radialt	15697.7	3.602	mg/L	0.0227	18.01	mg/L	0.114	0.63%
Sodium radialt	87062.4	21.54	mg/L	0.261	107.7	mg/L	1.30	1.21%
Potassium radialt	3253.0	2.797	mg/L	0.0356	13.98	mg/L	0.178	1.27%
Strontium radialt	85945.4	0.1764	mg/L	0.00184	0.8821	mg/L	0.00920	1.04%

Sequence No.: 59
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/9/2013 2:33:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Yttrium	590951.6	99.29	%	1.419				1.43%
Aluminumt	31837.4	0.5079	mg/L	0.00935	0.5079	mg/L	0.00935	1.84%
QC value within limits for Aluminum Recovery = 101.59%								
Antimonyt	200.4	0.4815	mg/L	0.01374	0.4815	mg/L	0.01374	2.85%
QC value within limits for Antimony Recovery = 96.29%								
Arsenict	335.3	0.5086	mg/L	0.01217	0.5086	mg/L	0.01217	2.39%
QC value within limits for Arsenic Recovery = 101.72%								
Bariumt	9515.6	0.5078	mg/L	0.00776	0.5078	mg/L	0.00776	1.53%
QC value within limits for Barium Recovery = 101.56%								
Berylliumt	948376.3	0.5073	mg/L	0.00154	0.5073	mg/L	0.00154	0.30%
QC value within limits for Beryllium Recovery = 101.46%								
Boront	8740.1	0.5120	mg/L	0.00901	0.5120	mg/L	0.00901	1.76%
QC value within limits for Boron Recovery = 102.40%								
Cadmiumt	2260.2	0.4995	mg/L	0.00470	0.4995	mg/L	0.00470	0.94%
QC value within limits for Cadmium Recovery = 99.90%								
Chromiumt	23875.3	0.5094	mg/L	0.00728	0.5094	mg/L	0.00728	1.43%
QC value within limits for Chromium Recovery = 101.88%								
Cobaltt	1943.3	0.5049	mg/L	0.00920	0.5049	mg/L	0.00920	1.82%
QC value within limits for Cobalt Recovery = 100.98%								
Coppert	40365.7	0.5132	mg/L	0.00913	0.5132	mg/L	0.00913	1.78%
QC value within limits for Copper Recovery = 102.64%								
Lithiumt	5745435.2	0.5110	mg/L	0.01192	0.5110	mg/L	0.01192	2.33%
QC value within limits for Lithium Recovery = 102.21%								
Manganeset	165589.2	0.5090	mg/L	0.00931	0.5090	mg/L	0.00931	1.83%
QC value within limits for Manganese Recovery = 101.80%								
Molybdenumt	1854.5	0.5027	mg/L	0.00554	0.5027	mg/L	0.00554	1.10%
QC value within limits for Molybdenum Recovery = 100.53%								
Nickelt	2171.2	0.5054	mg/L	0.00583	0.5054	mg/L	0.00583	1.15%
QC value within limits for Nickel Recovery = 101.08%								
Leadt	368.9	0.4982	mg/L	0.00624	0.4982	mg/L	0.00624	1.25%
QC value within limits for Lead Recovery = 99.63%								
Seleniumt	265.9	0.5120	mg/L	0.02079	0.5120	mg/L	0.02079	4.06%
QC value within limits for Selenium Recovery = 102.39%								
Silvert	54252.0	0.5173	mg/L	0.01022	0.5173	mg/L	0.01022	1.98%
QC value within limits for Silver Recovery = 103.47%								
Strontiumt	3954434.1	0.2560	mg/L	0.00591	0.2560	mg/L	0.00591	2.31%
QC value within limits for Strontium Recovery = 102.41%								
Tint	726.8	0.4968	mg/L	0.00993	0.4968	mg/L	0.00993	2.00%
QC value within limits for Tin Recovery = 99.36%								
Thalliumt	530.4	0.5004	mg/L	0.01055	0.5004	mg/L	0.01055	2.11%
QC value within limits for Thallium Recovery = 100.09%								
Titaniumt	191984.2	0.5081	mg/L	0.00163	0.5081	mg/L	0.00163	0.32%
QC value within limits for Titanium Recovery = 101.62%								
Vanadiumt	28639.4	0.5062	mg/L	0.00954	0.5062	mg/L	0.00954	1.88%
QC value within limits for Vanadium Recovery = 101.23%								
Zinct	3286.3	0.5089	mg/L	0.00774	0.5089	mg/L	0.00774	1.52%
QC value within limits for Zinc Recovery = 101.78%								
Argon	4565575.6	99.72	mg/L	0.225	99.72	mg/L	0.225	0.23%
Sodiumt	1749012.9	5.073	mg/L	0.0184	5.073	mg/L	0.0184	0.36%
QC value within limits for Sodium Recovery = 101.47%								
Magnesiumt	83619.8	0.5126	mg/L	0.00853	0.5126	mg/L	0.00853	1.66%
QC value within limits for Magnesium Recovery = 102.51%								
Iront	7907.4	0.5127	mg/L	0.00853	0.5127	mg/L	0.00853	1.66%
QC value within limits for Iron Recovery = 102.54%								
Calciumt	71590.2	0.5371	mg/L	0.00975	0.5371	mg/L	0.00975	1.81%

QC value within limits for Calcium Recovery = 107.43%

Potassium†	723127.9	4.646 mg/L	0.0135	4.646 mg/L	0.0135	0.29%

QC value within limits for Potassium Recovery = 92.92%

Aluminum radial†	1061.9	0.5072 mg/L	0.01822	0.5072 mg/L	0.01822	3.59%

QC value within limits for Aluminum radial Recovery = 101.43%

Calcium radial†	1993.6	0.5508 mg/L	0.00974	0.5508 mg/L	0.00974	1.77%

QC value greater than the upper limit for Calcium radial Recovery = 110.15%

Iron radial†	150.8	0.5106 mg/L	0.00548	0.5106 mg/L	0.00548	1.07%

QC value within limits for Iron radial Recovery = 102.12%

Magnesium radial†	2239.8	0.5219 mg/L	0.01144	0.5219 mg/L	0.01144	2.19%

QC value within limits for Magnesium radial Recovery = 104.38%

Sodium radial†	20681.7	5.120 mg/L	0.1159	5.120 mg/L	0.1159	2.26%

QC value within limits for Sodium radial Recovery = 102.40%

Potassium radial†	5878.6	5.025 mg/L	0.1981	5.025 mg/L	0.1981	3.94%

QC value within limits for Potassium radial Recovery = 100.50%

Strontium radial†	124740.3	0.2561 mg/L	0.00588	0.2561 mg/L	0.00588	2.30%

QC value within limits for Strontium radial Recovery = 102.43%

QC Failed. Continue with analysis.

Sequence No.: 60
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/9/2013 2:36:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	591387.2	99.36	%	1.549				1.56%
Aluminumt	17.4	-0.0003	mg/L	0.00232	-0.0003	mg/L	0.00232	762.16%
QC value within limits for Aluminum Recovery = Not calculated								
Antimonyt	-6.6	-0.0135	mg/L	0.00871	-0.0135	mg/L	0.00871	64.49%
QC value within limits for Antimony Recovery = Not calculated								
Arsenict	2.4	0.0016	mg/L	0.01106	0.0016	mg/L	0.01106	713.07%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	-4.7	-0.0008	mg/L	0.00014	-0.0008	mg/L	0.00014	16.62%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	-9.5	-0.0005	mg/L	0.00004	-0.0005	mg/L	0.00004	6.54%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	17.9	0.0017	mg/L	0.00111	0.0017	mg/L	0.00111	65.28%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	-4.6	-0.0027	mg/L	0.00046	-0.0027	mg/L	0.00046	17.12%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	16.3	-0.0010	mg/L	0.00054	-0.0010	mg/L	0.00054	54.58%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	2.7	-0.0006	mg/L	0.00083	-0.0006	mg/L	0.00083	131.24%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	20.5	-0.0009	mg/L	0.00108	-0.0009	mg/L	0.00108	117.87%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	338.1	-0.0019	mg/L	0.00002	-0.0019	mg/L	0.00002	0.84%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	43.2	-0.0009	mg/L	0.00006	-0.0009	mg/L	0.00006	6.65%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-11.3	-0.0044	mg/L	0.00267	-0.0044	mg/L	0.00267	60.14%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	-2.2	-0.0023	mg/L	0.00133	-0.0023	mg/L	0.00133	58.13%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	3.5	-0.0021	mg/L	0.00702	-0.0021	mg/L	0.00702	340.88%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	1.4	0.0082	mg/L	0.01496	0.0082	mg/L	0.01496	183.50%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	129.9	-0.0002	mg/L	0.00030	-0.0002	mg/L	0.00030	198.55%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	100.4	-0.0011	mg/L	0.00001	-0.0011	mg/L	0.00001	0.59%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-6.7	-0.0034	mg/L	0.00195	-0.0034	mg/L	0.00195	57.38%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-5.4	-0.0022	mg/L	0.01050	-0.0022	mg/L	0.01050	467.33%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	51.2	-0.0010	mg/L	0.00024	-0.0010	mg/L	0.00024	23.73%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	-280.2	-0.0043	mg/L	0.00157	-0.0043	mg/L	0.00157	36.09%
QC value within limits for Vanadium Recovery = Not calculated								
Zinct	2.7	-0.0010	mg/L	0.00031	-0.0010	mg/L	0.00031	29.91%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4568292.1	99.78	mg/L	0.261	99.78	mg/L	0.261	0.26%
Sodiumt	787.1	0.0897	mg/L	0.00021	0.0897	mg/L	0.00021	0.24%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	-55.0	-0.0003	mg/L	0.00023	-0.0003	mg/L	0.00023	92.40%
QC value within limits for Magnesium Recovery = Not calculated								
Iront	1.2	-0.0009	mg/L	0.00076	-0.0009	mg/L	0.00076	80.52%
QC value within limits for Iron Recovery = Not calculated								
Calciumt	28.3	-0.0071	mg/L	0.00173	-0.0071	mg/L	0.00173	24.43%

QC value within limits for Calcium Recovery = Not calculated

Potassium†	9.8	0.1150 mg/L	0.00061	0.1150 mg/L	0.00061	0.53%

QC value within limits for Potassium Recovery = Not calculated

Aluminum radial†	13.1	0.0248 mg/L	0.00201	0.0248 mg/L	0.00201	8.10%

QC value within limits for Aluminum radial Recovery = Not calculated

Calcium radial†	12.4	0.0073 mg/L	0.00141	0.0073 mg/L	0.00141	19.28%

QC value within limits for Calcium radial Recovery = Not calculated

Iron radial†	-0.8	0.0136 mg/L	0.00912	0.0136 mg/L	0.00912	67.12%

QC value within limits for Iron radial Recovery = Not calculated

Magnesium radial†	-2.0	0.0088 mg/L	0.00038	0.0088 mg/L	0.00038	4.29%

QC value within limits for Magnesium radial Recovery = Not calculated

Sodium radial†	58.9	0.0175 mg/L	0.00919	0.0175 mg/L	0.00919	52.49%

QC value within limits for Sodium radial Recovery = Not calculated

Potassium radial†	26.0	0.0580 mg/L	0.00952	0.0580 mg/L	0.00952	16.43%

QC value within limits for Potassium radial Recovery = Not calculated

Strontium radial†	-21.1	-0.0001 mg/L	0.00007	-0.0001 mg/L	0.00007	70.64%

QC value within limits for Strontium radial Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 61
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 1/9/2013 2:39:53 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	544616.4	91.51	%	1.216				1.33%
Aluminumt	31118637.3	497.0	mg/L	12.39	497.0	mg/L	12.39	2.49%
Antimonyt	-51.2	0.0578	mg/L	0.02575	0.0578	mg/L	0.02575	44.50%
QC value greater than the upper limit for Antimony Recovery = Not calculated								
Arsenict	14.9	0.0009	mg/L	0.00699	0.0009	mg/L	0.00699	799.27%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	309.0	-0.0056	mg/L	0.00059	-0.0056	mg/L	0.00059	10.53%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	1486.2	0.0003	mg/L	0.00002	0.0003	mg/L	0.00002	6.62%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	697.8	-0.0355	mg/L	0.00740	-0.0355	mg/L	0.00740	20.85%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	30.5	0.0049	mg/L	0.00257	0.0049	mg/L	0.00257	52.67%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	163.1	0.0022	mg/L	0.00081	0.0022	mg/L	0.00081	37.61%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	30.7	0.0066	mg/L	0.00291	0.0066	mg/L	0.00291	43.93%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	-2161.3	-0.0002	mg/L	0.00068	-0.0002	mg/L	0.00068	303.41%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	1991.0	-0.0017	mg/L	0.00001	-0.0017	mg/L	0.00001	0.74%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	3349.8	0.0093	mg/L	0.00019	0.0093	mg/L	0.00019	2.00%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-19.2	-0.0119	mg/L	0.00541	-0.0119	mg/L	0.00541	45.40%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	-55.4	0.0050	mg/L	0.00242	0.0050	mg/L	0.00242	48.64%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	-4.5	0.0014	mg/L	0.00693	0.0014	mg/L	0.00693	501.37%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	-85.9	-0.0488	mg/L	0.02016	-0.0488	mg/L	0.02016	41.30%
QC value less than the lower limit for Selenium Recovery = Not calculated								
Silvert	2029.1	0.0044	mg/L	0.00157	0.0044	mg/L	0.00157	36.09%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	31713.9	-0.0116	mg/L	0.00015	-0.0116	mg/L	0.00015	1.27%
QC value within limits for Strontium Recovery = Not calculated								
Tint	2.1	-0.0099	mg/L	0.00429	-0.0099	mg/L	0.00429	43.26%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-51.3	-0.0453	mg/L	0.00519	-0.0453	mg/L	0.00519	11.45%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	4648.8	0.0112	mg/L	0.00003	0.0112	mg/L	0.00003	0.27%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	7499.0	0.0412	mg/L	0.00310	0.0412	mg/L	0.00310	7.52%
QC value greater than the upper limit for Vanadium Recovery = Not calculated								
Zinct	58.7	0.0076	mg/L	0.00232	0.0076	mg/L	0.00232	30.33%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4263905.0	93.14	mg/L	0.255	93.14	mg/L	0.255	0.27%
Sodiumt	15715.5	0.1323	mg/L	0.00130	0.1323	mg/L	0.00130	0.98%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	54264971.0	332.6	mg/L	6.20	332.6	mg/L	6.20	1.86%
Iront	5697340.7	370.1	mg/L	2.82	370.1	mg/L	2.82	0.76%
Calciumt	59136555.6	449.7	mg/L	11.03	449.7	mg/L	11.03	2.45%
Potassiumt	4057.1	0.1403	mg/L	0.00084	0.1403	mg/L	0.00084	0.60%
Aluminum radialt	1089577.2	501.1	mg/L	1.44	501.1	mg/L	1.44	0.29%
QC value within limits for Aluminum radial Recovery = 100.23%								

Calcium radial†	1774971.4	486.9 mg/L	4.20	486.9 mg/L	4.20	0.86%
QC value within limits for Calcium radial Recovery = 97.38%						
Iron radial†	146389.7	479.9 mg/L	7.17	479.9 mg/L	7.17	1.49%
QC value within limits for Iron radial Recovery = 95.98%						
Magnesium radial†	2062300.5	472.1 mg/L	1.36	472.1 mg/L	1.36	0.29%
QC value within limits for Magnesium radial Recovery = 94.42%						
Sodium radial†	79.8	0.0227 mg/L	0.02426	0.0227 mg/L	0.02426	107.03%
QC value within limits for Sodium radial Recovery = Not calculated						
Potassium radial†	-243.9	-0.1711 mg/L	0.10467	-0.1711 mg/L	0.10467	61.17%
QC value within limits for Potassium radial Recovery = Not calculated						
Strontium radial†	958.5	0.0019 mg/L	0.00018	0.0019 mg/L	0.00018	9.60%
QC value within limits for Strontium radial Recovery = Not calculated						

QC Failed. Continue with analysis.

Sequence No.: 62
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 1/9/2013 2:42:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	533651.9	89.66	%	1.655				1.85%
Aluminum†	32161837.0	513.7	mg/L	13.56	513.7	mg/L	13.56	2.64%
Antimony†	4142.9	10.22	mg/L	0.167	10.22	mg/L	0.167	1.63%
QC value within limits for Antimony Recovery = 102.19%								
Arsenic†	6835.7	10.35	mg/L	0.194	10.35	mg/L	0.194	1.87%
QC value within limits for Arsenic Recovery = 103.50%								
Barium†	54650.1	2.897	mg/L	0.0210	2.897	mg/L	0.0210	0.72%
QC value within limits for Barium Recovery = 96.58%								
Beryllium†	1956695.0	1.047	mg/L	0.0147	1.047	mg/L	0.0147	1.40%
QC value within limits for Beryllium Recovery = 104.72%								
Boron†	90335.5	5.209	mg/L	0.0309	5.209	mg/L	0.0309	0.59%
QC value within limits for Boron Recovery = 104.17%								
Cadmium†	14640.7	3.095	mg/L	0.0567	3.095	mg/L	0.0567	1.83%
QC value within limits for Cadmium Recovery = 103.17%								
Chromium†	134140.5	2.868	mg/L	0.0148	2.868	mg/L	0.0148	0.52%
QC value within limits for Chromium Recovery = 95.60%								
Cobalt†	10460.5	2.709	mg/L	0.0452	2.709	mg/L	0.0452	1.67%
QC value within limits for Cobalt Recovery = 90.30%								
Copper†	239979.7	3.085	mg/L	0.0293	3.085	mg/L	0.0293	0.95%
QC value within limits for Copper Recovery = 102.83%								
Lithium†	2018.1	-0.0017	mg/L	0.00001	-0.0017	mg/L	0.00001	0.68%
QC value within limits for Lithium Recovery = Not calculated								
Manganese†	622569.1	1.917	mg/L	0.0118	1.917	mg/L	0.0118	0.62%
QC value within limits for Manganese Recovery = 95.83%								
Molybdenum†	10723.1	2.908	mg/L	0.0507	2.908	mg/L	0.0507	1.75%
QC value within limits for Molybdenum Recovery = 96.92%								
Nickel†	11542.4	2.714	mg/L	0.0490	2.714	mg/L	0.0490	1.81%
QC value within limits for Nickel Recovery = 90.47%								
Lead†	6677.6	9.149	mg/L	0.1842	9.149	mg/L	0.1842	2.01%
QC value within limits for Lead Recovery = 91.49%								
Selenium†	2557.7	4.987	mg/L	0.0835	4.987	mg/L	0.0835	1.68%
QC value within limits for Selenium Recovery = 99.73%								
Silver†	338992.1	3.225	mg/L	0.0226	3.225	mg/L	0.0226	0.70%
QC value within limits for Silver Recovery = 107.50%								
Strontium†	7672020.7	0.4852	mg/L	0.01097	0.4852	mg/L	0.01097	2.26%
QC value within limits for Strontium Recovery = 97.04%								
Tin†	684.9	0.4557	mg/L	0.00359	0.4557	mg/L	0.00359	0.79%
QC value within limits for Tin Recovery = 91.15%								
Thallium†	9399.8	8.822	mg/L	0.1677	8.822	mg/L	0.1677	1.90%
QC value within limits for Thallium Recovery = 88.22%								
Titanium†	3794423.2	10.06	mg/L	0.158	10.06	mg/L	0.158	1.57%
QC value within limits for Titanium Recovery = 100.64%								
Vanadium†	177031.7	3.033	mg/L	0.0199	3.033	mg/L	0.0199	0.66%
QC value within limits for Vanadium Recovery = 101.11%								
Zinc†	17208.2	2.671	mg/L	0.0475	2.671	mg/L	0.0475	1.78%
QC value within limits for Zinc Recovery = 89.03%								
Argon	4269180.1	93.25	mg/L	0.248	93.25	mg/L	0.248	0.27%
Sodium†	29030377.2	82.84	mg/L	2.079	82.84	mg/L	2.079	2.51%
Magnesium†	55814172.7	342.1	mg/L	7.36	342.1	mg/L	7.36	2.15%
Iron†	5854115.7	380.3	mg/L	5.71	380.3	mg/L	5.71	1.50%
Calcium†	60795651.6	462.4	mg/L	10.27	462.4	mg/L	10.27	2.22%
Potassium†	51628824.4	323.6	mg/L	7.89	323.6	mg/L	7.89	2.44%
Aluminum radial†	1113086.9	512.0	mg/L	8.89	512.0	mg/L	8.89	1.74%
QC value within limits for Aluminum radial Recovery = 102.39%								
Calcium radial†	1769958.8	485.5	mg/L	15.67	485.5	mg/L	15.67	3.23%

QC value within limits for Calcium radial Recovery = 97.10%

Iron radial†	147918.8	484.9 mg/L	15.59	484.9 mg/L	15.59	3.21%

QC value within limits for Iron radial Recovery = 96.98%

Magnesium radial†	2093918.0	479.3 mg/L	8.28	479.3 mg/L	8.28	1.73%

QC value within limits for Magnesium radial Recovery = 95.86%

Sodium radial†	217385.4	53.79 mg/L	1.612	53.79 mg/L	1.612	3.00%

QC value within limits for Sodium radial Recovery = 107.57%

Potassium radial†	270918.7	230.0 mg/L	6.85	230.0 mg/L	6.85	2.98%

QC value within limits for Potassium radial Recovery = 114.98%

Strontium radial†	266133.6	0.5464 mg/L	0.01670	0.5464 mg/L	0.01670	3.06%

QC value within limits for Strontium radial Recovery = 109.28%

All analyte(s) passed QC.

Sequence No.: 63
Sample ID: RINSE BLANK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 137
Date Collected: 1/9/2013 2:45:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: RINSE BLANK

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: RINSE BLANK

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	588338.2	98.85	%	1.407				1.42%
Aluminumt	789.2	0.0120	mg/L	0.00082	0.0120	mg/L	0.00082	6.83%
Antimonyt	2.8	0.0094	mg/L	0.02156	0.0094	mg/L	0.02156	229.37%
Arsenict	8.6	0.0109	mg/L	0.00684	0.0109	mg/L	0.00684	62.59%
Bariumt	-2.8	-0.0007	mg/L	0.00006	-0.0007	mg/L	0.00006	8.90%
Berylliumt	-90.1	-0.0006	mg/L	0.00008	-0.0006	mg/L	0.00008	13.02%
Boront	60.6	0.0042	mg/L	0.00030	0.0042	mg/L	0.00030	7.22%
Cadmiumt	-0.5	-0.0020	mg/L	0.00113	-0.0020	mg/L	0.00113	57.86%
Chromiumt	0.1	-0.0013	mg/L	0.00044	-0.0013	mg/L	0.00044	33.14%
Cobaltt	-2.7	-0.0021	mg/L	0.00005	-0.0021	mg/L	0.00005	2.44%
Coppert	-1.1	-0.0012	mg/L	0.00152	-0.0012	mg/L	0.00152	127.51%
Lithiumt	100.9	-0.0019	mg/L	0.00001	-0.0019	mg/L	0.00001	0.41%
Manganeset	46.6	-0.0009	mg/L	0.00007	-0.0009	mg/L	0.00007	7.65%
Molybdenumt	-6.7	-0.0032	mg/L	0.00029	-0.0032	mg/L	0.00029	8.94%
Nickelt	5.0	-0.0006	mg/L	0.00237	-0.0006	mg/L	0.00237	400.36%
Leadt	-4.5	-0.0130	mg/L	0.00110	-0.0130	mg/L	0.00110	8.44%
Seleniumt	-2.7	0.0004	mg/L	0.00906	0.0004	mg/L	0.00906	>999.9%
Silvert	170.4	0.0002	mg/L	0.00055	0.0002	mg/L	0.00055	236.42%
Strontiumt	-218.0	-0.0011	mg/L	0.00001	-0.0011	mg/L	0.00001	0.88%
Tint	0.3	0.0014	mg/L	0.00437	0.0014	mg/L	0.00437	319.47%
Thalliumt	1.9	0.0046	mg/L	0.00489	0.0046	mg/L	0.00489	106.39%
Titaniumt	521.4	0.0003	mg/L	0.00013	0.0003	mg/L	0.00013	48.92%
Vanadiumt	-270.5	-0.0042	mg/L	0.00108	-0.0042	mg/L	0.00108	25.80%
Zinct	14.6	0.0008	mg/L	0.00177	0.0008	mg/L	0.00177	222.32%
Argon	4551033.8	99.41	mg/L	0.284	99.41	mg/L	0.284	0.29%
Sodiumt	1000.7	0.0903	mg/L	0.00020	0.0903	mg/L	0.00020	0.23%
Magnesiumt	1752.7	0.0108	mg/L	0.00145	0.0108	mg/L	0.00145	13.42%
Iront	173.8	0.0103	mg/L	0.00065	0.0103	mg/L	0.00065	6.30%
Calciumt	1150.0	0.0014	mg/L	0.00141	0.0014	mg/L	0.00141	98.25%
Potassiumt	169.4	0.1160	mg/L	0.00096	0.1160	mg/L	0.00096	0.83%
Aluminum radialt	50.0	0.0417	mg/L	0.01609	0.0417	mg/L	0.01609	38.54%
Calcium radialt	92.8	0.0294	mg/L	0.01994	0.0294	mg/L	0.01994	67.86%
Iron radialt	6.9	0.0389	mg/L	0.01590	0.0389	mg/L	0.01590	40.87%
Magnesium radialt	122.2	0.0372	mg/L	0.01930	0.0372	mg/L	0.01930	51.92%
Sodium radialt	73.1	0.0210	mg/L	0.00519	0.0210	mg/L	0.00519	24.71%
Potassium radialt	51.1	0.0793	mg/L	0.05939	0.0793	mg/L	0.05939	74.92%
Strontium radialt	-30.2	-0.0001	mg/L	0.00007	-0.0001	mg/L	0.00007	64.02%

Sequence No.: 64
Sample ID: RINSE BLANK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 138
Date Collected: 1/9/2013 2:48:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: RINSE BLANK

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: RINSE BLANK

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	592623.7	99.57	%	1.854				1.86%

Aluminumt	263.3	0.0036 mg/L	0.00344	0.0036 mg/L	0.00344	94.96%
Antimonyt	2.4	0.0084 mg/L	0.01211	0.0084 mg/L	0.01211	143.89%
Arsenict	3.1	0.0026 mg/L	0.00271	0.0026 mg/L	0.00271	105.53%
Bariumt	-4.0	-0.0008 mg/L	0.00030	-0.0008 mg/L	0.00030	37.55%
Berylliumt	-110.7	-0.0006 mg/L	0.00006	-0.0006 mg/L	0.00006	9.36%
Boront	28.9	0.0023 mg/L	0.00043	0.0023 mg/L	0.00043	18.38%
Cadmiumt	-4.7	-0.0027 mg/L	0.00088	-0.0027 mg/L	0.00088	32.43%
Chromiumt	7.2	-0.0012 mg/L	0.00011	-0.0012 mg/L	0.00011	9.59%
Cobaltt	0.8	-0.0011 mg/L	0.00159	-0.0011 mg/L	0.00159	140.95%
Coppert	100.0	0.0001 mg/L	0.00125	0.0001 mg/L	0.00125	>999.9%
Lithiumt	78.3	-0.0019 mg/L	0.00001	-0.0019 mg/L	0.00001	0.52%
Manganeset	45.1	-0.0009 mg/L	0.00005	-0.0009 mg/L	0.00005	5.57%
Molybdenumt	-9.7	-0.0040 mg/L	0.00140	-0.0040 mg/L	0.00140	34.94%
Nickelt	1.4	-0.0014 mg/L	0.00157	-0.0014 mg/L	0.00157	109.37%
Leadt	6.8	0.0025 mg/L	0.00147	0.0025 mg/L	0.00147	58.56%
Seleniumt	-4.8	-0.0036 mg/L	0.00804	-0.0036 mg/L	0.00804	226.13%
Silvert	80.0	-0.0006 mg/L	0.00070	-0.0006 mg/L	0.00070	110.41%
Strontiumt	-14.5	-0.0011 mg/L	0.00001	-0.0011 mg/L	0.00001	0.65%
Tint	-4.5	-0.0019 mg/L	0.00418	-0.0019 mg/L	0.00418	222.15%
Thalliumt	3.0	0.0057 mg/L	0.00232	0.0057 mg/L	0.00232	40.98%
Titaniumt	122.9	-0.0008 mg/L	0.00023	-0.0008 mg/L	0.00023	28.65%
Vanadiumt	-317.7	-0.0050 mg/L	0.00084	-0.0050 mg/L	0.00084	16.83%
Zinct	19.5	0.0016 mg/L	0.00077	0.0016 mg/L	0.00077	49.36%
Argon	4543201.1	99.24 mg/L	0.361	99.24 mg/L	0.361	0.36%
Sodiumt	872.7	0.0900 mg/L	0.00036	0.0900 mg/L	0.00036	0.40%
Magnesiumt	527.1	0.0033 mg/L	0.00036	0.0033 mg/L	0.00036	10.76%
Iront	54.3	0.0025 mg/L	0.00027	0.0025 mg/L	0.00027	10.85%
Calciumt	755.8	-0.0016 mg/L	0.00043	-0.0016 mg/L	0.00043	27.80%
Potassiumt	185.2	0.1161 mg/L	0.00068	0.1161 mg/L	0.00068	0.59%
Aluminum radialt	11.5	0.0240 mg/L	0.00470	0.0240 mg/L	0.00470	19.56%
Calcium radialt	30.3	0.0122 mg/L	0.00051	0.0122 mg/L	0.00051	4.20%
Iron radialt	-2.3	0.0087 mg/L	0.00097	0.0087 mg/L	0.00097	11.14%
Magnesium radialt	18.7	0.0135 mg/L	0.00094	0.0135 mg/L	0.00094	6.94%
Sodium radialt	18.7	0.0076 mg/L	0.00191	0.0076 mg/L	0.00191	25.31%
Potassium radialt	11.4	0.0455 mg/L	0.02340	0.0455 mg/L	0.02340	51.39%
Strontium radialt	-41.2	-0.0001 mg/L	0.00006	-0.0001 mg/L	0.00006	42.01%

Analysis Begun

Start Time: 1/9/2013 5:00:00 PM
Logged In Analyst: LAFMETALS
Plasma On Time: 1/9/2013 4:15:34 PM
Technique: ICP Continuous
Spectrometer Model: Optima 7300 DV, S/N 077C0052103Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 1
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 7
Date Collected: 1/9/2013 5:00:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 5:00:34 PM
Logged In Analyst: LAFMETALS
Plasma On Time: 1/9/2013 4:15:34 PM
Technique: ICP Continuous
Spectrometer Model: Optima 7300 DV, S/N 077C0052103Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 65
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 1
Date Collected: 1/9/2013 5:00:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	595258.4	100.0	%	2.04				2.04%
Aluminum†	32259.9	0.5147	mg/L	0.02032	0.5147	mg/L	0.02032	3.95%
QC value within limits for Aluminum Recovery = 102.94%								
Antimony†	201.7	0.4847	mg/L	0.01784	0.4847	mg/L	0.01784	3.68%
QC value within limits for Antimony Recovery = 96.93%								
Arsenic†	332.3	0.5040	mg/L	0.00734	0.5040	mg/L	0.00734	1.46%
QC value within limits for Arsenic Recovery = 100.81%								
Barium†	9538.8	0.5090	mg/L	0.02246	0.5090	mg/L	0.02246	4.41%
QC value within limits for Barium Recovery = 101.81%								
Beryllium†	954676.5	0.5107	mg/L	0.00077	0.5107	mg/L	0.00077	0.15%
QC value within limits for Beryllium Recovery = 102.13%								
Boron†	8693.4	0.5092	mg/L	0.02093	0.5092	mg/L	0.02093	4.11%
QC value within limits for Boron Recovery = 101.85%								
Cadmium†	2253.4	0.4981	mg/L	0.00954	0.4981	mg/L	0.00954	1.92%
QC value within limits for Cadmium Recovery = 99.62%								
Chromium†	23796.8	0.5077	mg/L	0.02167	0.5077	mg/L	0.02167	4.27%
QC value within limits for Chromium Recovery = 101.54%								
Cobalt†	1954.8	0.5079	mg/L	0.01039	0.5079	mg/L	0.01039	2.05%
QC value within limits for Cobalt Recovery = 101.58%								
Copper†	39790.5	0.5059	mg/L	0.02068	0.5059	mg/L	0.02068	4.09%
QC value within limits for Copper Recovery = 101.17%								
Lithium†	5636564.7	0.5013	mg/L	0.00623	0.5013	mg/L	0.00623	1.24%
QC value within limits for Lithium Recovery = 100.27%								

Manganese†	165923.5	0.5100 mg/L	0.02234	0.5100 mg/L	0.02234	4.38%
QC value within limits for Manganese Recovery = 102.01%						
Molybdenum†	1853.3	0.5023 mg/L	0.01010	0.5023 mg/L	0.01010	2.01%
QC value within limits for Molybdenum Recovery = 100.47%						
Nickel†	2181.0	0.5077 mg/L	0.00736	0.5077 mg/L	0.00736	1.45%
QC value within limits for Nickel Recovery = 101.53%						
Lead†	370.2	0.5000 mg/L	0.00716	0.5000 mg/L	0.00716	1.43%
QC value within limits for Lead Recovery = 100.00%						
Selenium†	264.9	0.5101 mg/L	0.01915	0.5101 mg/L	0.01915	3.75%
QC value within limits for Selenium Recovery = 102.02%						
Silver†	53495.5	0.5102 mg/L	0.02021	0.5102 mg/L	0.02021	3.96%
QC value within limits for Silver Recovery = 102.03%						
Strontium†	3880259.1	0.2512 mg/L	0.00278	0.2512 mg/L	0.00278	1.11%
QC value within limits for Strontium Recovery = 100.48%						
Tin†	729.0	0.4983 mg/L	0.00534	0.4983 mg/L	0.00534	1.07%
QC value within limits for Tin Recovery = 99.66%						
Thallium†	536.0	0.5057 mg/L	0.01529	0.5057 mg/L	0.01529	3.02%
QC value within limits for Thallium Recovery = 101.15%						
Titanium†	191759.8	0.5075 mg/L	0.00110	0.5075 mg/L	0.00110	0.22%
QC value within limits for Titanium Recovery = 101.50%						
Vanadium†	28684.9	0.5070 mg/L	0.02366	0.5070 mg/L	0.02366	4.67%
QC value within limits for Vanadium Recovery = 101.39%						
Zinc†	3277.8	0.5076 mg/L	0.00904	0.5076 mg/L	0.00904	1.78%
QC value within limits for Zinc Recovery = 101.51%						
Argon	4663149.1	101.9 mg/L	0.47	101.9 mg/L	0.47	0.46%
Sodium†	1738844.0	5.044 mg/L	0.0625	5.044 mg/L	0.0625	1.24%
QC value within limits for Sodium Recovery = 100.89%						
Magnesium†	82581.2	0.5062 mg/L	0.02065	0.5062 mg/L	0.02065	4.08%
QC value within limits for Magnesium Recovery = 101.24%						
Iron†	7905.5	0.5126 mg/L	0.02146	0.5126 mg/L	0.02146	4.19%
QC value within limits for Iron Recovery = 102.51%						
Calcium†	67373.5	0.5051 mg/L	0.02490	0.5051 mg/L	0.02490	4.93%
QC value within limits for Calcium Recovery = 101.02%						
Potassium†	705422.2	4.535 mg/L	0.0222	4.535 mg/L	0.0222	0.49%
QC value within limits for Potassium Recovery = 90.71%						
Aluminum radial†	1174.4	0.5589 mg/L	0.01881	0.5589 mg/L	0.01881	3.37%
QC value greater than the upper limit for Aluminum radial Recovery = 111.77%						
Calcium radial†	1906.7	0.5269 mg/L	0.01538	0.5269 mg/L	0.01538	2.92%
QC value within limits for Calcium radial Recovery = 105.39%						
Iron radial†	154.0	0.5211 mg/L	0.01263	0.5211 mg/L	0.01263	2.42%
QC value within limits for Iron radial Recovery = 104.23%						
Magnesium radial†	2231.5	0.5200 mg/L	0.01092	0.5200 mg/L	0.01092	2.10%
QC value within limits for Magnesium radial Recovery = 104.00%						
Sodium radial†	20646.4	5.111 mg/L	0.0408	5.111 mg/L	0.0408	0.80%
QC value within limits for Sodium radial Recovery = 102.22%						
Potassium radial†	5924.0	5.063 mg/L	0.1411	5.063 mg/L	0.1411	2.79%
QC value within limits for Potassium radial Recovery = 101.27%						
Strontium radial†	126182.1	0.2590 mg/L	0.00073	0.2590 mg/L	0.00073	0.28%
QC value within limits for Strontium radial Recovery = 103.61%						

QC Failed. Continue with analysis.

User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 5:04:12 PM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103
Plasma On Time: 1/9/2013 4:15:34 PM
Technique: ICP Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 66
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 2
Date Collected: 1/9/2013 5:04:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	592644.2	99.58	%	1.838				1.85%
Aluminumt	-41.1	-0.0012	mg/L	0.00120	-0.0012	mg/L	0.00120	96.91%
QC value within limits for Aluminum Recovery = Not calculated								
Antimonyt	-5.1	-0.0099	mg/L	0.00610	-0.0099	mg/L	0.00610	61.71%
QC value within limits for Antimony Recovery = Not calculated								
Arsenict	-1.0	-0.0037	mg/L	0.00804	-0.0037	mg/L	0.00804	219.22%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	-4.8	-0.0008	mg/L	0.00011	-0.0008	mg/L	0.00011	12.70%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	12.0	-0.0005	mg/L	0.00011	-0.0005	mg/L	0.00011	20.34%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	3.3	0.0008	mg/L	0.00092	0.0008	mg/L	0.00092	108.25%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	-4.8	-0.0026	mg/L	0.00071	-0.0026	mg/L	0.00071	27.06%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	-16.0	-0.0017	mg/L	0.00018	-0.0017	mg/L	0.00018	10.99%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	-1.9	-0.0019	mg/L	0.00117	-0.0019	mg/L	0.00117	63.12%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	35.4	-0.0007	mg/L	0.00056	-0.0007	mg/L	0.00056	77.32%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	486.2	-0.0019	mg/L	0.00001	-0.0019	mg/L	0.00001	0.78%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	4.7	-0.0010	mg/L	0.00006	-0.0010	mg/L	0.00006	5.72%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-8.3	-0.0036	mg/L	0.00108	-0.0036	mg/L	0.00108	29.81%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	10.1	0.0006	mg/L	0.00108	0.0006	mg/L	0.00108	178.04%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	1.2	-0.0053	mg/L	0.00474	-0.0053	mg/L	0.00474	90.24%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	-3.5	-0.0010	mg/L	0.01036	-0.0010	mg/L	0.01036	>999.9%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	-14.8	-0.0015	mg/L	0.00100	-0.0015	mg/L	0.00100	65.41%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	236.5	-0.0010	mg/L	0.00001	-0.0010	mg/L	0.00001	0.69%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-1.4	0.0002	mg/L	0.00081	0.0002	mg/L	0.00081	340.16%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-2.2	0.0008	mg/L	0.00813	0.0008	mg/L	0.00813	>999.9%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	-5.3	-0.0011	mg/L	0.00026	-0.0011	mg/L	0.00026	22.61%

QC value within limits for Titanium Recovery = Not calculated

Vanadium†	-267.1	-0.0041 mg/L	0.00069	-0.0041 mg/L	0.00069	16.77%

QC value within limits for Vanadium Recovery = Not calculated

Zinc†	11.4	0.0003 mg/L	0.00057	0.0003 mg/L	0.00057	183.48%

QC value within limits for Zinc Recovery = Not calculated

Argon	4622817.1	101.0 mg/L	0.22	101.0 mg/L	0.22	0.22%
Sodium†	1067.7	0.0905 mg/L	0.00015	0.0905 mg/L	0.00015	0.17%

QC value within limits for Sodium Recovery = Not calculated

Magnesium†	25.2	0.0002 mg/L	0.00027	0.0002 mg/L	0.00027	112.07%

QC value within limits for Magnesium Recovery = Not calculated

Iron†	5.5	-0.0007 mg/L	0.00058	-0.0007 mg/L	0.00058	87.45%

QC value within limits for Iron Recovery = Not calculated

Calcium†	144.6	-0.0062 mg/L	0.00105	-0.0062 mg/L	0.00105	16.85%

QC value within limits for Calcium Recovery = Not calculated

Potassium†	13.3	0.1150 mg/L	0.00074	0.1150 mg/L	0.00074	0.65%

QC value within limits for Potassium Recovery = Not calculated

Aluminum radial†	11.8	0.0242 mg/L	0.00509	0.0242 mg/L	0.00509	21.04%

QC value within limits for Aluminum radial Recovery = Not calculated

Calcium radial†	18.8	0.0091 mg/L	0.00132	0.0091 mg/L	0.00132	14.50%

QC value within limits for Calcium radial Recovery = Not calculated

Iron radial†	-0.3	0.0154 mg/L	0.00552	0.0154 mg/L	0.00552	35.73%

QC value within limits for Iron radial Recovery = Not calculated

Magnesium radial†	10.7	0.0117 mg/L	0.00190	0.0117 mg/L	0.00190	16.29%

QC value within limits for Magnesium radial Recovery = Not calculated

Sodium radial†	8.1	0.0049 mg/L	0.00721	0.0049 mg/L	0.00721	146.35%

QC value within limits for Sodium radial Recovery = Not calculated

Potassium radial†	-16.6	0.0218 mg/L	0.02768	0.0218 mg/L	0.02768	126.86%

QC value within limits for Potassium radial Recovery = Not calculated

Strontium radial†	-0.2	-0.0001 mg/L	0.00001	-0.0001 mg/L	0.00001	24.64%

QC value within limits for Strontium radial Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 67
Sample ID: MBLK-117878
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 201
Date Collected: 1/9/2013 5:07:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MBLK-117878

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: MBLK-117878

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	604891.8	101.6	%	2.15				2.12%
Aluminumt	15657.0	0.2495	mg/L	0.00100				0.40%
Antimonyt	-7.0	-0.0144	mg/L	0.00394				27.45%
Arsenict	4.8	0.0052	mg/L	0.00125				23.97%
Bariumt	17.4	0.0004	mg/L	0.00033				92.39%
Berylliumt	8.9	-0.0005	mg/L	0.00001				1.98%
Boront	388.1	0.0234	mg/L	0.00088				3.78%
Cadmiumt	-7.6	-0.0034	mg/L	0.00096				27.98%
Chromiumt	5.5	-0.0012	mg/L	0.00048				39.70%
Cobaltt	-1.4	-0.0017	mg/L	0.00041				23.67%
Coppert	143.7	0.0007	mg/L	0.00102				148.57%
Lithiumt	15080.6	-0.0006	mg/L	0.00000				0.88%
Manganeset	393.7	0.0002	mg/L	0.00005				30.37%
Molybdenumt	-5.3	-0.0028	mg/L	0.00144				50.68%
Nickelt	61.7	0.0127	mg/L	0.00032				2.49%
Leadt	-1.5	-0.0089	mg/L	0.00474				53.46%
Seleniumt	-5.6	-0.0051	mg/L	0.00277				54.00%
Silvert	-37.4	-0.0018	mg/L	0.00124				70.57%
Strontiumt	70210.8	0.0035	mg/L	0.00002				0.67%
Tint	9.3	0.0075	mg/L	0.00595				79.54%
Thalliumt	-0.7	0.0022	mg/L	0.00637				292.67%
Titaniumt	300.3	-0.0003	mg/L	0.00068				207.08%
Vanadiumt	-320.0	-0.0051	mg/L	0.00108				21.37%
Zinct	92.0	0.0128	mg/L	0.00093				7.27%
Argon	4672217.2	102.1	mg/L	0.08				0.08%
Sodiumt	14155.7	0.1278	mg/L	0.00038				0.30%
Magnesiumt	2885.4	0.0178	mg/L	0.00043				2.42%
Iront	564.7	0.0357	mg/L	0.00052				1.47%
Calciumt	79325.6	0.5960	mg/L	0.00095				0.16%
Potassiumt	2848.9	0.1328	mg/L	0.00051				0.38%
Aluminum radialt	518.8	0.2574	mg/L	0.00282				1.10%
Calcium radialt	2199.9	0.6074	mg/L	0.01692				2.79%
Iron radialt	9.4	0.0472	mg/L	0.00462				9.77%
Magnesium radialt	79.1	0.0273	mg/L	0.00113				4.13%
Sodium radialt	201.1	0.0527	mg/L	0.00573				10.87%
Potassium radialt	18.3	0.0515	mg/L	0.03188				61.94%
Strontium radialt	2138.2	0.0043	mg/L	0.00013				2.90%

Sample conc. not calculated. Initial Wt. AND Prep. Volume required OR sample units incorrect.

Sequence No.: 68
Sample ID: LCS-117878
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 202
Date Collected: 1/9/2013 5:10:48 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: LCS-117878

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: LCS-117878

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	600402.9	100.9	%	0.69				0.69%
Aluminumt	483524.5	7.723	mg/L	0.0227				0.29%
Antimonyt	19.7	0.0539	mg/L	0.01424				26.42%
Arsenict	70.8	0.1056	mg/L	0.00772				7.31%
Bariumt	3404.4	0.1808	mg/L	0.00251				1.39%
Berylliumt	110508.5	0.0586	mg/L	0.00010				0.18%
Boront	1895.6	0.1096	mg/L	0.00292				2.67%
Cadmiumt	305.9	0.0657	mg/L	0.00198				3.02%
Chromiumt	3519.3	0.0739	mg/L	0.00085				1.15%
Cobaltt	434.0	0.1116	mg/L	0.00270				2.42%
Coppert	6590.9	0.0832	mg/L	0.00153				1.84%
Lithiumt	88344.8	0.0060	mg/L	0.00004				0.75%
Manganeset	97794.3	0.3002	mg/L	0.00261				0.87%
Molybdenumt	156.0	0.0409	mg/L	0.00247				6.04%
Nickelt	279.5	0.0640	mg/L	0.00245				3.83%
Leadt	80.6	0.1037	mg/L	0.00445				4.29%
Seleniumt	86.7	0.1734	mg/L	0.01060				6.11%
Silvert	3916.4	0.0360	mg/L	0.00087				2.42%
Strontiumt	1180134.3	0.0755	mg/L	0.00066				0.87%
Tint	153.5	0.1057	mg/L	0.00458				4.33%
Thalliumt	132.6	0.1272	mg/L	0.00437				3.43%
Titaniumt	64936.5	0.1711	mg/L	0.00627				3.66%
Vanadiumt	3148.2	0.0541	mg/L	0.00169				3.12%
Zinct	966.2	0.1486	mg/L	0.00212				1.43%
Argon	4641572.3	101.4	mg/L	0.34				0.34%
Sodiumt	244203.3	0.7836	mg/L	0.00662				0.84%
Magnesiumt	513044.0	3.144	mg/L	0.0123				0.39%
Iront	188124.3	12.22	mg/L	0.040				0.33%
Calciumt	858281.0	6.520	mg/L	0.0144				0.22%
Potassiumt	545220.7	3.531	mg/L	0.0114				0.32%
Aluminum radialt	16421.8	7.572	mg/L	0.0273				0.36%
Calcium radialt	24152.3	6.629	mg/L	0.0861				1.30%
Iron radialt	3767.9	12.37	mg/L	0.177				1.43%
Magnesium radialt	13827.6	3.174	mg/L	0.0418				1.32%
Sodium radialt	2944.3	0.7314	mg/L	0.01177				1.61%
Potassium radialt	4850.9	4.153	mg/L	0.0599				1.44%
Strontium radialt	37654.3	0.0773	mg/L	0.00047				0.60%

Sample conc. not calculated. Initial Wt. AND Prep. Volume required OR sample units incorrect.

Sequence No.: 69
Sample ID: L0024384-01C
Analyst:
Initial Sample Wt: 0.5 g
Dilution:
User canceled analysis.

Autosampler Location: 203
Date Collected: 1/9/2013 5:13:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 10 mL

Analysis Begun

Start Time: 1/9/2013 5:17:35 PM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103
Plasma On Time: 1/9/2013 4:15:34 PM
Technique: ICP Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 1
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 7
Date Collected: 1/9/2013 5:17:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 5:18:23 PM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103
Plasma On Time: 1/9/2013 4:15:34 PM
Technique: ICP Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 67
Sample ID: MBLK-117878
Analyst:
Initial Sample Wt:
Dilution:
Autosampler Location: 201
Date Collected: 1/9/2013 5:18:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MBLK-117878

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: MBLK-117878

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	583991.0	98.12	%	0.871				0.89%
Aluminumt	15734.6	0.2507	mg/L	0.00180				0.72%
Antimonyt	-4.6	-0.0087	mg/L	0.00811				93.30%
Arsenict	1.1	-0.0004	mg/L	0.00717				>999.9%
Bariumt	11.8	0.0001	mg/L	0.00033				601.61%
Berylliumt	-36.5	-0.0006	mg/L	0.00009				15.51%
Boront	394.3	0.0237	mg/L	0.00045				1.91%
Cadmiumt	-4.4	-0.0026	mg/L	0.00143				55.16%
Chromiumt	17.0	-0.0010	mg/L	0.00017				17.36%
Cobaltt	1.3	-0.0010	mg/L	0.00139				139.52%
Coppert	137.7	0.0006	mg/L	0.00188				307.18%
Lithiumt	14621.9	-0.0006	mg/L	0.00003				5.71%
Manganeset	382.1	0.0001	mg/L	0.00003				28.93%
Molybdenumt	-8.1	-0.0036	mg/L	0.00177				49.30%
Nickelt	55.7	0.0112	mg/L	0.00231				20.53%
Leadt	6.1	0.0015	mg/L	0.00683				466.33%
Seleniumt	-0.4	0.0048	mg/L	0.01377				288.52%
Silvert	-76.6	-0.0021	mg/L	0.00112				52.31%
Strontiumt	70340.7	0.0035	mg/L	0.00001				0.19%
Tint	13.4	0.0103	mg/L	0.00305				29.56%
Thalliumt	-8.9	-0.0055	mg/L	0.00446				81.10%
Titaniumt	202.9	-0.0006	mg/L	0.00075				127.14%
Vanadiumt	-358.1	-0.0057	mg/L	0.00093				16.22%

Zinc†	94.1	0.0131 mg/L	0.00130	9.91%
Argon	4672679.7	102.1 mg/L	0.33	0.32%
Sodium†	14014.2	0.1274 mg/L	0.00032	0.25%
Magnesium†	2827.1	0.0174 mg/L	0.00006	0.35%
Iron†	587.7	0.0372 mg/L	0.00027	0.73%
Calcium†	78595.9	0.5904 mg/L	0.00246	0.42%
Potassium†	2963.1	0.1335 mg/L	0.00033	0.24%
Aluminum radial†	542.9	0.2684 mg/L	0.00880	3.28%
Calcium radial†	2271.1	0.6269 mg/L	0.01447	2.31%
Iron radial†	11.1	0.0527 mg/L	0.01068	20.26%
Magnesium radial†	86.4	0.0290 mg/L	0.00015	0.51%
Sodium radial†	139.1	0.0373 mg/L	0.00513	13.75%
Potassium radial†	-21.1	0.0180 mg/L	0.03830	212.87%
Strontium radial†	2228.8	0.0045 mg/L	0.00011	2.51%

Sample conc. not calculated. Initial Wt. AND Prep. Volume required OR sample units incorrect.

User canceled analysis.

Analysis Begun

Start Time: 1/9/2013 5:22:45 PM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103
Plasma On Time: 1/9/2013 4:15:34 PM
Technique: ICP Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 1
Sample ID: ICV
Analyst:
Initial Sample Wt:
Dilution:
User canceled analysis.

Autosampler Location: 7
Date Collected: 1/9/2013 5:22:46 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Analysis Begun

Start Time: 1/9/2013 5:23:12 PM
Logged In Analyst: LAFMETALS
Spectrometer Model: Optima 7300 DV, S/N 077C0052103
Plasma On Time: 1/9/2013 4:15:34 PM
Technique: ICP Continuous
Autosampler Model: Cetac

Sample Information File: C:\pe\lafmetals\Sample Information\130109.sif
Batch ID:
Results Data Set: 1301091043DV
Results Library: C:\pe\lafmetals\Results\Results.mdb

Sequence No.: 67
Sample ID: MBLK-117878
Analyst:
Initial Sample Wt: 0.5 g
Dilution:

Autosampler Location: 201
Date Collected: 1/9/2013 5:23:12 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: MBLK-117878

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: MBLK-117878

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium	589264.2	99.01	%	1.553				1.57%
Aluminumt	15685.2	0.2500	mg/L	0.00117	25.00	mg/kg	0.117	0.47%
Antimonyt	0.5	0.0039	mg/L	0.01784	0.3936	mg/kg	1.78433	453.35%
Arsenict	3.8	0.0037	mg/L	0.00613	0.3732	mg/kg	0.61349	164.38%
Bariumt	18.3	0.0004	mg/L	0.00034	0.0402	mg/kg	0.03442	85.53%
Berylliumt	131.3	-0.0005	mg/L	0.00004	-0.0472	mg/kg	0.00394	8.35%
Boront	379.3	0.0228	mg/L	0.00107	2.284	mg/kg	0.1071	4.69%
Cadmiumt	2.0	-0.0012	mg/L	0.00056	-0.1235	mg/kg	0.05630	45.60%
Chromiumt	17.4	-0.0010	mg/L	0.00061	-0.0963	mg/kg	0.06115	63.48%
Cobaltt	4.0	-0.0003	mg/L	0.00013	-0.0304	mg/kg	0.01318	43.30%
Coppert	112.6	0.0003	mg/L	0.00242	0.0293	mg/kg	0.24173	826.12%
Lithiumt	14864.4	-0.0006	mg/L	0.00001	-0.0575	mg/kg	0.00108	1.88%
Manganeset	380.9	0.0001	mg/L	0.00004	0.0113	mg/kg	0.00391	34.79%
Molybdenumt	-7.5	-0.0034	mg/L	0.00192	-0.3431	mg/kg	0.19158	55.84%
Nickelt	47.9	0.0094	mg/L	0.00162	0.9422	mg/kg	0.16152	17.14%
Leadt	3.6	-0.0019	mg/L	0.00257	-0.1940	mg/kg	0.25692	132.41%
Seleniumt	0.0	0.0056	mg/L	0.00534	0.5640	mg/kg	0.53426	94.72%
Silvert	29.5	-0.0011	mg/L	0.00080	-0.1120	mg/kg	0.07981	71.24%
Strontiumt	70069.4	0.0035	mg/L	0.00000	0.3477	mg/kg	0.00028	0.08%
Tint	14.9	0.0114	mg/L	0.00369	1.135	mg/kg	0.3687	32.49%
Thalliumt	-7.7	-0.0044	mg/L	0.00958	-0.4371	mg/kg	0.95833	219.22%
Titaniumt	227.9	-0.0005	mg/L	0.00024	-0.0523	mg/kg	0.02421	46.31%
Vanadiumt	-261.0	-0.0040	mg/L	0.00088	-0.4012	mg/kg	0.08844	22.05%

Zinc†	87.0	0.0121 mg/L	0.00139	1.205 mg/kg	0.1387	11.51%
Argon	4651805.7	101.6 mg/L	0.17	10160 mg/kg	17.2	0.17%
Sodium†	14420.2	0.1286 mg/L	0.00036	12.86 mg/kg	0.036	0.28%
Magnesium†	2817.6	0.0174 mg/L	0.00054	1.735 mg/kg	0.0538	3.10%
Iron†	575.4	0.0364 mg/L	0.00100	3.636 mg/kg	0.0997	2.74%
Calcium†	78856.0	0.5924 mg/L	0.00053	59.24 mg/kg	0.053	0.09%
Potassium†	2818.2	0.1326 mg/L	0.00081	13.26 mg/kg	0.081	0.61%
Aluminum radial†	534.7	0.2647 mg/L	0.00349	26.47 mg/kg	0.349	1.32%
Calcium radial†	2226.4	0.6146 mg/L	0.00702	61.46 mg/kg	0.702	1.14%
Iron radial†	8.6	0.0445 mg/L	0.00516	4.449 mg/kg	0.5161	11.60%
Magnesium radial†	84.5	0.0286 mg/L	0.00171	2.857 mg/kg	0.1714	6.00%
Sodium radial†	155.2	0.0413 mg/L	0.00338	4.134 mg/kg	0.3384	8.19%
Potassium radial†	18.5	0.0516 mg/L	0.04061	5.161 mg/kg	4.0605	78.68%
Strontium radial†	2206.3	0.0045 mg/L	0.00006	0.4477 mg/kg	0.00557	1.24%

Sequence No.: 68
Sample ID: LCS-117878
Analyst:
Initial Sample Wt: 0.5 g
Dilution: 10X

Autosampler Location: 202
Date Collected: 1/9/2013 5:26:33 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: LCS-117878

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: LCS-117878

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	600218.9	100.8	%	1.22				1.21%
Aluminumt	484064.7	7.731	mg/L	0.0230	773.1	mg/kg	2.30	0.30%
Antimonyt	18.2	0.0503	mg/L	0.01433	5.028	mg/kg	1.4326	28.49%
Arsenict	67.6	0.1007	mg/L	0.00411	10.07	mg/kg	0.411	4.08%
Bariumt	3377.7	0.1793	mg/L	0.00291	17.93	mg/kg	0.291	1.62%
Berylliumt	109766.9	0.0582	mg/L	0.00009	5.823	mg/kg	0.0090	0.15%
Boront	1922.2	0.1112	mg/L	0.00177	11.12	mg/kg	0.177	1.59%
Cadmiumt	294.2	0.0631	mg/L	0.00098	6.310	mg/kg	0.0975	1.55%
Chromiumt	3457.0	0.0726	mg/L	0.00144	7.262	mg/kg	0.1436	1.98%
Cobaltt	427.7	0.1099	mg/L	0.00269	10.99	mg/kg	0.269	2.45%
Coppert	6700.3	0.0846	mg/L	0.00147	8.458	mg/kg	0.1475	1.74%
Lithiumt	87699.7	0.0059	mg/L	0.00003	0.5927	mg/kg	0.00342	0.58%
Manganeset	98150.7	0.3013	mg/L	0.00530	30.13	mg/kg	0.530	1.76%
Molybdenumt	152.4	0.0399	mg/L	0.00443	3.990	mg/kg	0.4432	11.11%
Nickelt	282.1	0.0646	mg/L	0.00078	6.463	mg/kg	0.0781	1.21%
Leadt	75.5	0.0966	mg/L	0.00125	9.665	mg/kg	0.1250	1.29%
Seleniumt	95.8	0.1907	mg/L	0.00761	19.07	mg/kg	0.761	3.99%
Silvert	3786.3	0.0348	mg/L	0.00171	3.481	mg/kg	0.1705	4.90%
Strontiumt	1173841.8	0.0751	mg/L	0.00023	7.508	mg/kg	0.0226	0.30%
Tint	160.4	0.1104	mg/L	0.00242	11.04	mg/kg	0.242	2.20%
Thalliumt	131.9	0.1266	mg/L	0.00325	12.66	mg/kg	0.325	2.57%
Titaniumt	63794.1	0.1681	mg/L	0.00147	16.81	mg/kg	0.147	0.87%
Vanadiumt	3138.1	0.0540	mg/L	0.00084	5.396	mg/kg	0.0841	1.56%
Zinct	953.1	0.1465	mg/L	0.00337	14.65	mg/kg	0.337	2.30%
Argon	4595118.1	100.4	mg/L	0.15	10040	mg/kg	14.9	0.15%
Sodiumt	242393.7	0.7785	mg/L	0.00328	77.85	mg/kg	0.328	0.42%
Magnesiumt	512083.1	3.139	mg/L	0.0076	313.9	mg/kg	0.76	0.24%
Iront	186637.3	12.12	mg/L	0.050	1212	mg/kg	5.0	0.41%
Calciumt	852787.6	6.478	mg/L	0.0188	647.8	mg/kg	1.88	0.29%
Potassiumt	546634.6	3.540	mg/L	0.0125	354.0	mg/kg	1.25	0.35%
Aluminum radialt	16359.2	7.543	mg/L	0.2121	754.3	mg/kg	21.21	2.81%
Calcium radialt	24076.9	6.608	mg/L	0.0897	660.8	mg/kg	8.97	1.36%
Iron radialt	3755.3	12.33	mg/L	0.156	1233	mg/kg	15.6	1.27%
Magnesium radialt	13839.8	3.177	mg/L	0.0524	317.7	mg/kg	5.24	1.65%
Sodium radialt	2961.2	0.7356	mg/L	0.00626	73.56	mg/kg	0.626	0.85%
Potassium radialt	4868.3	4.167	mg/L	0.0576	416.7	mg/kg	5.76	1.38%
Strontium radialt	37460.4	0.0769	mg/L	0.00148	7.686	mg/kg	0.1484	1.93%

Sequence No.: 69
Sample ID: L0024384-01C
Analyst:
Initial Sample Wt: 0.5 g
Dilution:

Autosampler Location: 203
Date Collected: 1/9/2013 5:29:23 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024384-01C

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-01C

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	698894.1	117.4	%	1.92				1.64%
Aluminumt	4217976.4	67.37	mg/L	1.295	6737	mg/kg	129.5	1.92%
Antimonyt	-14.1	0.0064	mg/L	0.00723	0.6382	mg/kg	0.72285	113.26%
Arsenict	25.6	0.0387	mg/L	0.00640	3.870	mg/kg	0.6401	16.54%
Bariumt	30322.8	1.615	mg/L	0.0235	161.5	mg/kg	2.35	1.45%
Berylliumt	8164.7	0.0038	mg/L	0.00011	0.3829	mg/kg	0.01070	2.79%
Boront	307.0	0.0013	mg/L	0.00297	0.1274	mg/kg	0.29718	233.28%
Cadmiumt	4.1	-0.0012	mg/L	0.00089	-0.1198	mg/kg	0.08891	74.24%
Chromiumt	6504.3	0.1378	mg/L	0.00300	13.78	mg/kg	0.300	2.17%
Cobaltt	217.9	0.0537	mg/L	0.00091	5.372	mg/kg	0.0909	1.69%
Coppert	3928.2	0.0499	mg/L	0.00184	4.994	mg/kg	0.1837	3.68%
Lithiumt	318722.8	0.0266	mg/L	0.00010	2.655	mg/kg	0.0101	0.38%
Manganeset	607757.7	1.871	mg/L	0.0029	187.1	mg/kg	0.29	0.15%
Molybdenumt	18.8	0.0025	mg/L	0.00142	0.2536	mg/kg	0.14196	55.97%
Nickelt	273.5	0.0666	mg/L	0.00085	6.656	mg/kg	0.0845	1.27%
Leadt	86.9	0.1140	mg/L	0.02257	11.40	mg/kg	2.257	19.79%
Seleniumt	-19.6	-0.0085	mg/L	0.00729	-0.8479	mg/kg	0.72891	85.97%
Silvert	92.4	0.0004	mg/L	0.00095	0.0395	mg/kg	0.09521	241.21%
Strontiumt	1953643.9	0.1255	mg/L	0.00251	12.55	mg/kg	0.251	2.00%
Tint	15.2	0.0111	mg/L	0.00257	1.107	mg/kg	0.2565	23.18%
Thalliumt	-24.7	-0.0203	mg/L	0.00814	-2.033	mg/kg	0.8138	40.03%
Titaniumt	338876.5	0.8977	mg/L	0.01296	89.77	mg/kg	1.296	1.44%
Vanadiumt	10635.7	0.1715	mg/L	0.00349	17.15	mg/kg	0.349	2.03%
Zinct	1162.5	0.1791	mg/L	0.00357	17.91	mg/kg	0.357	1.99%
Argon	4618533.2	100.9	mg/L	0.68	10090	mg/kg	67.8	0.67%
Sodiumt	879558.2	2.595	mg/L	0.0210	259.5	mg/kg	2.10	0.81%
Magnesiumt	1348605.2	8.265	mg/L	0.0228	826.5	mg/kg	2.28	0.28%
Iront	1573747.5	102.2	mg/L	0.09	10220	mg/kg	9.0	0.09%
Calciumt	2372863.5	18.04	mg/L	0.012	1804	mg/kg	1.2	0.07%
Potassiumt	379278.3	2.492	mg/L	0.0232	249.2	mg/kg	2.32	0.93%
Aluminum radialt	142358.8	65.49	mg/L	1.753	6549	mg/kg	175.3	2.68%
Calcium radialt	66490.4	18.24	mg/L	0.560	1824	mg/kg	56.0	3.07%
Iron radialt	32978.1	108.1	mg/L	3.18	10810	mg/kg	317.6	2.94%
Magnesium radialt	34618.2	7.933	mg/L	0.2008	793.3	mg/kg	20.08	2.53%
Sodium radialt	9174.8	2.273	mg/L	0.0627	227.3	mg/kg	6.27	2.76%
Potassium radialt	2683.7	2.313	mg/L	0.0418	231.3	mg/kg	4.18	1.81%
Strontium radialt	63766.1	0.1309	mg/L	0.00378	13.09	mg/kg	0.378	2.89%

Sequence No.: 70
Sample ID: L0024384-01CSD
Analyst:
Initial Sample Wt: 0.5 g
Dilution: 5X

Autosampler Location: 204
Date Collected: 1/9/2013 5:31:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024384-01CSD

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-01CSD

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	595121.1	99.99	%	1.775				1.78%
Aluminumt	984984.8	15.73	mg/L	0.010	7866	mg/kg	5.2	0.07%
Antimonyt	-6.8	-0.0049	mg/L	0.01422	-2.435	mg/kg	7.1098	292.04%
Arsenict	3.3	0.0034	mg/L	0.00363	1.678	mg/kg	1.8166	108.27%
Bariumt	7136.7	0.3796	mg/L	0.00811	189.8	mg/kg	4.05	2.14%
Berylliumt	1910.9	0.0005	mg/L	0.00005	0.2404	mg/kg	0.02690	11.19%
Boront	120.6	0.0036	mg/L	0.00350	1.775	mg/kg	1.7483	98.49%
Cadmiumt	4.4	-0.0006	mg/L	0.00012	-0.3136	mg/kg	0.05774	18.41%
Chromiumt	1535.4	0.0315	mg/L	0.00070	15.75	mg/kg	0.349	2.21%
Cobaltt	49.1	0.0111	mg/L	0.00083	5.529	mg/kg	0.4173	7.55%
Coppert	990.4	0.0117	mg/L	0.00196	5.848	mg/kg	0.9784	16.73%
Lithiumt	76444.4	0.0049	mg/L	0.00001	2.461	mg/kg	0.0060	0.24%
Manganeset	141972.2	0.4363	mg/L	0.00940	218.1	mg/kg	4.70	2.16%
Molybdenumt	0.4	-0.0016	mg/L	0.00142	-0.7861	mg/kg	0.71167	90.53%
Nickelt	65.0	0.0145	mg/L	0.00257	7.240	mg/kg	1.2827	17.72%
Leadt	26.1	0.0293	mg/L	0.00328	14.66	mg/kg	1.642	11.20%
Seleniumt	-5.9	-0.0001	mg/L	0.01903	-0.0397	mg/kg	9.51730	>999.9%
Silvert	64.0	-0.0006	mg/L	0.00136	-0.2846	mg/kg	0.68188	239.60%
Strontiumt	476890.8	0.0298	mg/L	0.00130	14.92	mg/kg	0.651	4.36%
Tint	-0.8	0.0005	mg/L	0.00326	0.2489	mg/kg	1.62804	654.00%
Thalliumt	-6.9	-0.0036	mg/L	0.00211	-1.823	mg/kg	1.0557	57.92%
Titaniumt	76071.9	0.2007	mg/L	0.00973	100.3	mg/kg	4.87	4.85%
Vanadiumt	2270.5	0.0366	mg/L	0.00135	18.32	mg/kg	0.677	3.70%
Zinct	356.6	0.0539	mg/L	0.00117	26.95	mg/kg	0.586	2.17%
Argon	4623928.9	101.0	mg/L	0.46	50500	mg/kg	229.2	0.45%
Sodiumt	181261.8	0.6042	mg/L	0.00252	302.1	mg/kg	1.26	0.42%
Magnesiumt	302923.4	1.857	mg/L	0.0044	928.3	mg/kg	2.20	0.24%
Iront	388443.0	25.23	mg/L	0.042	12620	mg/kg	20.8	0.17%
Calciumt	551928.8	4.190	mg/L	0.0122	2095	mg/kg	6.1	0.29%
Potassiumt	68807.0	0.5461	mg/L	0.00371	273.0	mg/kg	1.86	0.68%
Aluminum radialt	33999.8	15.66	mg/L	0.396	7828	mg/kg	197.8	2.53%
Calcium radialt	15831.5	4.347	mg/L	0.0990	2173	mg/kg	49.5	2.28%
Iron radialt	7915.5	25.96	mg/L	0.488	12980	mg/kg	244.0	1.88%
Magnesium radialt	8281.0	1.905	mg/L	0.0335	952.4	mg/kg	16.75	1.76%
Sodium radialt	2099.8	0.5224	mg/L	0.02343	261.2	mg/kg	11.72	4.49%
Potassium radialt	455.8	0.4227	mg/L	0.13738	211.4	mg/kg	68.69	32.50%
Strontium radialt	15171.1	0.0311	mg/L	0.00053	15.55	mg/kg	0.266	1.71%

Sequence No.: 71
Sample ID: L0024384-01CMS
Analyst:
Initial Sample Wt: 0.5 g
Dilution:

Autosampler Location: 205
Date Collected: 1/9/2013 5:34:04 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024384-01CMS

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-01CMS

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	667696.3	112.2	%	0.99				0.88%
Aluminumt	5173546.7	82.63	mg/L	1.903	8263	mg/kg	190.3	2.30%
Antimonyt	179.2	0.4557	mg/L	0.01449	45.57	mg/kg	1.449	3.18%
Arsenict	621.0	0.9452	mg/L	0.00463	94.52	mg/kg	0.463	0.49%
Bariumt	42968.3	2.291	mg/L	0.0275	229.1	mg/kg	2.75	1.20%
Berylliumt	1812073.3	0.9698	mg/L	0.00294	96.98	mg/kg	0.294	0.30%
Boront	14396.2	0.8277	mg/L	0.01354	82.77	mg/kg	1.354	1.64%
Cadmiumt	4027.6	0.8908	mg/L	0.00721	89.08	mg/kg	0.721	0.81%
Chromiumt	49166.0	1.050	mg/L	0.0095	105.0	mg/kg	0.95	0.91%
Cobaltt	3623.4	0.9413	mg/L	0.00619	94.13	mg/kg	0.619	0.66%
Coppert	76137.1	0.9703	mg/L	0.01025	97.03	mg/kg	1.025	1.06%
Lithiumt	10136989.1	0.9031	mg/L	0.02267	90.31	mg/kg	2.267	2.51%
Manganeset	838402.3	2.582	mg/L	0.0064	258.2	mg/kg	0.64	0.25%
Molybdenumt	3259.9	0.8836	mg/L	0.00732	88.36	mg/kg	0.732	0.83%
Nickelt	4150.9	0.9717	mg/L	0.00824	97.17	mg/kg	0.824	0.85%
Leadt	741.9	1.011	mg/L	0.0102	101.1	mg/kg	1.02	1.01%
Seleniumt	461.2	0.9051	mg/L	0.00748	90.51	mg/kg	0.748	0.83%
Silvert	95422.5	0.9118	mg/L	0.01002	91.18	mg/kg	1.002	1.10%
Strontiumt	8890012.0	0.5763	mg/L	0.01375	57.63	mg/kg	1.375	2.39%
Tint	1307.9	0.8925	mg/L	0.01463	89.25	mg/kg	1.463	1.64%
Thalliumt	912.5	0.8589	mg/L	0.02925	85.89	mg/kg	2.925	3.41%
Titaniumt	585369.0	1.552	mg/L	0.0221	155.2	mg/kg	2.21	1.43%
Vanadiumt	61622.3	1.073	mg/L	0.0122	107.3	mg/kg	1.22	1.14%
Zinct	7140.1	1.107	mg/L	0.0191	110.7	mg/kg	1.91	1.72%
Argon	4621468.4	100.9	mg/L	0.34	10090	mg/kg	33.7	0.33%
Sodiumt	4829574.1	13.85	mg/L	0.340	1385	mg/kg	34.0	2.46%
Magnesiumt	1732301.5	10.62	mg/L	0.032	1062	mg/kg	3.2	0.30%
Iront	1418574.8	92.16	mg/L	0.206	9216	mg/kg	20.6	0.22%
Calciumt	3014876.1	22.92	mg/L	0.069	2292	mg/kg	6.9	0.30%
Potassiumt	2213787.8	13.99	mg/L	0.085	1399	mg/kg	8.5	0.61%
Aluminum radialt	173479.8	79.81	mg/L	0.560	7981	mg/kg	56.0	0.70%
Calcium radialt	83415.4	22.89	mg/L	0.131	2289	mg/kg	13.1	0.57%
Iron radialt	29109.4	95.44	mg/L	0.450	9544	mg/kg	45.0	0.47%
Magnesium radialt	43384.0	9.940	mg/L	0.0522	994.0	mg/kg	5.22	0.52%
Sodium radialt	47200.0	11.68	mg/L	0.048	1168	mg/kg	4.8	0.41%
Potassium radialt	13988.5	11.91	mg/L	0.164	1191	mg/kg	16.4	1.38%
Strontium radialt	295988.9	0.6077	mg/L	0.00862	60.77	mg/kg	0.862	1.42%

Sequence No.: 72
Sample ID: L0024384-01CMSD
Analyst:
Initial Sample Wt: 0.5 g
Dilution:

Autosampler Location: 206
Date Collected: 1/9/2013 5:36:32 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024384-01CMSD

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-01CMSD

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	645598.5	108.5	%	1.19				1.09%
Aluminumt	4717615.8	75.35	mg/L	0.809	7535	mg/kg	80.9	1.07%
Antimonyt	194.7	0.4984	mg/L	0.01494	49.84	mg/kg	1.494	3.00%
Arsenict	632.3	0.9630	mg/L	0.00786	96.30	mg/kg	0.786	0.82%
Bariumt	30447.4	1.621	mg/L	0.0398	162.1	mg/kg	3.98	2.46%
Berylliumt	1784184.0	0.9548	mg/L	0.00313	95.48	mg/kg	0.313	0.33%
Boront	14459.3	0.8293	mg/L	0.01999	82.93	mg/kg	1.999	2.41%
Cadmiumt	4081.5	0.9026	mg/L	0.00853	90.26	mg/kg	0.853	0.94%
Chromiumt	49229.4	1.052	mg/L	0.0282	105.2	mg/kg	2.82	2.68%
Cobaltt	3633.6	0.9442	mg/L	0.00827	94.42	mg/kg	0.827	0.88%
Coppert	75904.7	0.9678	mg/L	0.02232	96.78	mg/kg	2.232	2.31%
Lithiumt	10120275.1	0.9016	mg/L	0.00994	90.16	mg/kg	0.994	1.10%
Manganeset	793637.6	2.444	mg/L	0.0069	244.4	mg/kg	0.69	0.28%
Molybdenumt	3333.1	0.9033	mg/L	0.01310	90.33	mg/kg	1.310	1.45%
Nickelt	4185.7	0.9804	mg/L	0.00785	98.04	mg/kg	0.785	0.80%
Leadt	750.6	1.023	mg/L	0.0103	102.3	mg/kg	1.03	1.01%
Seleniumt	461.1	0.9072	mg/L	0.01224	90.72	mg/kg	1.224	1.35%
Silvert	95102.0	0.9086	mg/L	0.01893	90.86	mg/kg	1.893	2.08%
Strontiumt	9281704.4	0.6016	mg/L	0.00684	60.16	mg/kg	0.684	1.14%
Tint	1330.7	0.9079	mg/L	0.01406	90.79	mg/kg	1.406	1.55%
Thalliumt	938.5	0.8834	mg/L	0.01862	88.34	mg/kg	1.862	2.11%
Titaniumt	543221.0	1.440	mg/L	0.0072	144.0	mg/kg	0.72	0.50%
Vanadiumt	61900.4	1.077	mg/L	0.0267	107.7	mg/kg	2.67	2.48%
Zinct	7109.1	1.103	mg/L	0.0105	110.3	mg/kg	1.05	0.96%
Argon	4615190.1	100.8	mg/L	0.47	10080	mg/kg	47.4	0.47%
Sodiumt	4525897.3	12.99	mg/L	0.144	1299	mg/kg	14.4	1.11%
Magnesiumt	1382693.1	8.474	mg/L	0.0305	847.4	mg/kg	3.05	0.36%
Iront	1582781.1	102.8	mg/L	0.38	10280	mg/kg	38.0	0.37%
Calciumt	3935065.8	29.92	mg/L	0.103	2992	mg/kg	10.3	0.34%
Potassiumt	2070810.4	13.09	mg/L	0.056	1309	mg/kg	5.6	0.43%
Aluminum radialt	159208.9	73.24	mg/L	0.889	7324	mg/kg	88.9	1.21%
Calcium radialt	111558.3	30.60	mg/L	0.595	3060	mg/kg	59.5	1.94%
Iron radialt	33152.7	108.7	mg/L	1.98	10870	mg/kg	197.9	1.82%
Magnesium radialt	35361.3	8.104	mg/L	0.0912	810.4	mg/kg	9.12	1.13%
Sodium radialt	44569.1	11.03	mg/L	0.113	1103	mg/kg	11.3	1.02%
Potassium radialt	13413.1	11.42	mg/L	0.153	1142	mg/kg	15.3	1.34%
Strontium radialt	307974.3	0.6323	mg/L	0.00970	63.23	mg/kg	0.970	1.53%

Sequence No.: 73
Sample ID: L0024384-01CPDS
Analyst:
Initial Sample Wt: 0.5 g
Dilution: 5X

Autosampler Location: 207
Date Collected: 1/9/2013 5:39:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024384-01CPDS

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-01CPDS

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	612387.5	102.9	%	1.37				1.33%
Aluminumt	990966.1	15.83	mg/L	0.083	7914	mg/kg	41.5	0.52%
Antimonyt	80.1	0.2030	mg/L	0.01103	101.5	mg/kg	5.52	5.43%
Arsenict	136.1	0.2056	mg/L	0.01290	102.8	mg/kg	6.45	6.27%
Bariumt	10946.9	0.5831	mg/L	0.00427	291.6	mg/kg	2.14	0.73%
Berylliumt	383213.5	0.2047	mg/L	0.00022	102.3	mg/kg	0.11	0.11%
Boront	3560.5	0.2048	mg/L	0.00272	102.4	mg/kg	1.36	1.33%
Cadmiumt	887.7	0.1952	mg/L	0.00470	97.58	mg/kg	2.349	2.41%
Chromiumt	10952.5	0.2330	mg/L	0.00083	116.5	mg/kg	0.41	0.36%
Cobaltt	823.0	0.2127	mg/L	0.00355	106.3	mg/kg	1.77	1.67%
Coppert	16837.0	0.2136	mg/L	0.00075	106.8	mg/kg	0.37	0.35%
Lithiumt	2264857.7	0.2003	mg/L	0.00088	100.2	mg/kg	0.44	0.44%
Manganeset	207293.0	0.6375	mg/L	0.00055	318.7	mg/kg	0.27	0.09%
Molybdenumt	729.7	0.1967	mg/L	0.00229	98.33	mg/kg	1.144	1.16%
Nickelt	926.9	0.2158	mg/L	0.00503	107.9	mg/kg	2.52	2.33%
Leadt	169.4	0.2256	mg/L	0.00659	112.8	mg/kg	3.30	2.92%
Seleniumt	98.8	0.1992	mg/L	0.00611	99.60	mg/kg	3.056	3.07%
Silvert	21350.2	0.2030	mg/L	0.00042	101.5	mg/kg	0.21	0.21%
Strontiumt	2005839.1	0.1292	mg/L	0.00206	64.62	mg/kg	1.028	1.59%
Tint	4.5	0.0041	mg/L	0.00194	2.065	mg/kg	0.9715	47.05%
Thalliumt	205.3	0.1955	mg/L	0.00622	97.74	mg/kg	3.110	3.18%
Titaniumt	148753.1	0.3934	mg/L	0.00555	196.7	mg/kg	2.78	1.41%
Vanadiumt	13782.0	0.2399	mg/L	0.00128	119.9	mg/kg	0.64	0.53%
Zinct	1635.3	0.2525	mg/L	0.00356	126.2	mg/kg	1.78	1.41%
Argon	4635852.4	101.3	mg/L	0.44	50630	mg/kg	218.4	0.43%
Sodiumt	886625.1	2.615	mg/L	0.0146	1307	mg/kg	7.3	0.56%
Magnesiumt	334874.4	2.052	mg/L	0.0061	1026	mg/kg	3.0	0.30%
Iront	388469.6	25.24	mg/L	0.046	12620	mg/kg	22.8	0.18%
Calciumt	576703.0	4.379	mg/L	0.0101	2189	mg/kg	5.0	0.23%
Potassiumt	357966.5	2.358	mg/L	0.0214	1179	mg/kg	10.7	0.91%
Aluminum radialt	33812.1	15.57	mg/L	0.434	7785	mg/kg	216.8	2.78%
Calcium radialt	16438.2	4.513	mg/L	0.1647	2256	mg/kg	82.3	3.65%
Iron radialt	7875.7	25.83	mg/L	1.001	12920	mg/kg	500.5	3.87%
Magnesium radialt	9019.0	2.074	mg/L	0.0702	1037	mg/kg	35.1	3.39%
Sodium radialt	10479.9	2.596	mg/L	0.0740	1298	mg/kg	37.0	2.85%
Potassium radialt	3096.1	2.663	mg/L	0.0517	1332	mg/kg	25.8	1.94%
Strontium radialt	64950.8	0.1333	mg/L	0.00424	66.66	mg/kg	2.118	3.18%

Sequence No.: 74
Sample ID: L0024384-01CPDSD
Analyst:
Initial Sample Wt: 0.5 g
Dilution: 5X

Autosampler Location: 208
Date Collected: 1/9/2013 5:41:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024384-01CPDSD

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-01CPDSD

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	617495.1	103.8	%	1.77				1.71%
Aluminumt	969842.2	15.49	mg/L	0.061	7745	mg/kg	30.4	0.39%
Antimonyt	82.4	0.2083	mg/L	0.00397	104.2	mg/kg	1.99	1.91%
Arsenict	141.7	0.2141	mg/L	0.00259	107.1	mg/kg	1.29	1.21%
Bariumt	10529.9	0.5609	mg/L	0.00877	280.4	mg/kg	4.39	1.56%
Berylliumt	379333.2	0.2026	mg/L	0.00078	101.3	mg/kg	0.39	0.39%
Boront	3469.9	0.1997	mg/L	0.00348	99.87	mg/kg	1.742	1.74%
Cadmiumt	876.0	0.1923	mg/L	0.00294	96.17	mg/kg	1.468	1.53%
Chromiumt	10569.1	0.2248	mg/L	0.00284	112.4	mg/kg	1.42	1.26%
Cobaltt	811.7	0.2097	mg/L	0.00309	104.9	mg/kg	1.55	1.47%
Coppert	16295.7	0.2067	mg/L	0.00224	103.4	mg/kg	1.12	1.08%
Lithiumt	2240419.8	0.1981	mg/L	0.00064	99.06	mg/kg	0.322	0.32%
Manganeset	204560.7	0.6291	mg/L	0.00216	314.5	mg/kg	1.08	0.34%
Molybdenumt	715.7	0.1929	mg/L	0.00291	96.44	mg/kg	1.456	1.51%
Nickelt	915.4	0.2131	mg/L	0.00223	106.5	mg/kg	1.11	1.05%
Leadt	164.7	0.2190	mg/L	0.01056	109.5	mg/kg	5.28	4.82%
Seleniumt	96.9	0.1954	mg/L	0.01734	97.70	mg/kg	8.669	8.87%
Silvert	20615.6	0.1959	mg/L	0.00324	97.97	mg/kg	1.621	1.65%
Strontiumt	1947199.0	0.1254	mg/L	0.00196	62.71	mg/kg	0.982	1.57%
Tint	0.4	0.0014	mg/L	0.00517	0.6793	mg/kg	2.58377	380.37%
Thalliumt	208.6	0.1985	mg/L	0.01327	99.27	mg/kg	6.636	6.69%
Titaniumt	144785.4	0.3829	mg/L	0.00446	191.5	mg/kg	2.23	1.16%
Vanadiumt	13150.5	0.2289	mg/L	0.00508	114.5	mg/kg	2.54	2.22%
Zinct	1607.5	0.2482	mg/L	0.00277	124.1	mg/kg	1.39	1.12%
Argon	4602618.7	100.5	mg/L	0.19	50270	mg/kg	95.2	0.19%
Sodiumt	875920.4	2.584	mg/L	0.0042	1292	mg/kg	2.1	0.16%
Magnesiumt	328815.0	2.015	mg/L	0.0066	1008	mg/kg	3.3	0.33%
Iront	382421.6	24.84	mg/L	0.066	12420	mg/kg	32.8	0.26%
Calciumt	566210.6	4.299	mg/L	0.0129	2149	mg/kg	6.5	0.30%
Potassiumt	352554.8	2.324	mg/L	0.0098	1162	mg/kg	4.9	0.42%
Aluminum radialt	32203.2	14.83	mg/L	0.210	7415	mg/kg	105.1	1.42%
Calcium radialt	15636.4	4.293	mg/L	0.0322	2147	mg/kg	16.1	0.75%
Iron radialt	7507.7	24.63	mg/L	0.446	12310	mg/kg	223.1	1.81%
Magnesium radialt	8610.7	1.980	mg/L	0.0197	990.1	mg/kg	9.83	0.99%
Sodium radialt	10056.1	2.491	mg/L	0.0214	1245	mg/kg	10.7	0.86%
Potassium radialt	2848.6	2.453	mg/L	0.0954	1227	mg/kg	47.7	3.89%
Strontium radialt	62877.2	0.1291	mg/L	0.00253	64.53	mg/kg	1.264	1.96%

Sequence No.: 75
Sample ID: L0024384-02C
Analyst:
Initial Sample Wt: 0.5 g
Dilution:

Autosampler Location: 209
Date Collected: 1/9/2013 5:43:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024384-02C

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-02C

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	610198.0	102.5	%	0.75				0.73%
Aluminumt	424377.1	6.778	mg/L	0.0644	677.8	mg/kg	6.44	0.95%
Antimonyt	-4.3	-0.0038	mg/L	0.01016	-0.3790	mg/kg	1.01577	267.99%
Arsenict	5.1	0.0067	mg/L	0.01021	0.6707	mg/kg	1.02130	152.27%
Bariumt	673.5	0.0349	mg/L	0.00065	3.489	mg/kg	0.0647	1.86%
Berylliumt	233.6	-0.0004	mg/L	0.00005	-0.0417	mg/kg	0.00510	12.21%
Boront	115.6	0.0056	mg/L	0.00027	0.5561	mg/kg	0.02707	4.87%
Cadmiumt	-3.5	-0.0025	mg/L	0.00056	-0.2497	mg/kg	0.05587	22.37%
Chromiumt	933.2	0.0186	mg/L	0.00044	1.863	mg/kg	0.0439	2.36%
Cobaltt	26.4	0.0043	mg/L	0.00081	0.4315	mg/kg	0.08066	18.69%
Coppert	519.6	0.0055	mg/L	0.00158	0.5471	mg/kg	0.15807	28.89%
Lithiumt	28873.7	0.0007	mg/L	0.00001	0.0675	mg/kg	0.00135	2.00%
Manganeset	50632.3	0.1549	mg/L	0.00315	15.49	mg/kg	0.315	2.03%
Molybdenumt	-9.8	-0.0042	mg/L	0.00258	-0.4186	mg/kg	0.25772	61.57%
Nickelt	59.0	0.0125	mg/L	0.00055	1.249	mg/kg	0.0547	4.38%
Leadt	16.6	0.0160	mg/L	0.00496	1.601	mg/kg	0.4962	30.99%
Seleniumt	-9.4	-0.0099	mg/L	0.02310	-0.9850	mg/kg	2.30963	234.47%
Silvert	-36.7	-0.0015	mg/L	0.00089	-0.1549	mg/kg	0.08870	57.27%
Strontiumt	125249.7	0.0071	mg/L	0.00061	0.7068	mg/kg	0.06144	8.69%
Tint	11.6	0.0091	mg/L	0.00627	0.9084	mg/kg	0.62723	69.04%
Thalliumt	-12.7	-0.0091	mg/L	0.01098	-0.9103	mg/kg	1.09773	120.59%
Titaniumt	229784.5	0.6084	mg/L	0.05702	60.84	mg/kg	5.702	9.37%
Vanadiumt	1213.1	0.0202	mg/L	0.00163	2.023	mg/kg	0.1628	8.04%
Zinct	147.9	0.0215	mg/L	0.00084	2.150	mg/kg	0.0841	3.91%
Argon	4654441.7	101.7	mg/L	0.30	10170	mg/kg	30.1	0.30%
Sodiumt	217307.5	0.7069	mg/L	0.00347	70.69	mg/kg	0.347	0.49%
Magnesiumt	75657.4	0.4638	mg/L	0.01093	46.38	mg/kg	1.093	2.36%
Iront	176291.4	11.45	mg/L	0.061	1145	mg/kg	6.1	0.53%
Calciumt	59180.7	0.4428	mg/L	0.01236	44.28	mg/kg	1.236	2.79%
Potassiumt	83175.8	0.6361	mg/L	0.00346	63.61	mg/kg	0.346	0.54%
Aluminum radialt	15493.1	7.144	mg/L	0.0980	714.4	mg/kg	9.80	1.37%
Calcium radialt	1692.9	0.4683	mg/L	0.00534	46.83	mg/kg	0.534	1.14%
Iron radialt	3531.7	11.59	mg/L	0.082	1159	mg/kg	8.2	0.71%
Magnesium radialt	2090.5	0.4877	mg/L	0.00524	48.77	mg/kg	0.524	1.07%
Sodium radialt	2760.4	0.6859	mg/L	0.00599	68.59	mg/kg	0.599	0.87%
Potassium radialt	821.7	0.7333	mg/L	0.00445	73.33	mg/kg	0.445	0.61%
Strontium radialt	4519.8	0.0092	mg/L	0.00025	0.9228	mg/kg	0.02533	2.75%

Sequence No.: 76
Sample ID: L0024384-03C
Analyst:
Initial Sample Wt: 0.5 g
Dilution:

Autosampler Location: 210
Date Collected: 1/9/2013 5:46:35 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024384-03C

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-03C

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	630784.0	106.0	%	0.46				0.43%
Aluminumt	2171680.5	34.69	mg/L	0.433	3469	mg/kg	43.3	1.25%
Antimonyt	-3.8	0.0139	mg/L	0.00760	1.387	mg/kg	0.7602	54.79%
Arsenict	9.4	0.0126	mg/L	0.01289	1.258	mg/kg	1.2887	102.48%
Bariumt	2166.6	0.1126	mg/L	0.00042	11.26	mg/kg	0.042	0.37%
Berylliumt	2823.2	0.0010	mg/L	0.00004	0.0969	mg/kg	0.00406	4.19%
Boront	120.5	-0.0017	mg/L	0.00253	-0.1661	mg/kg	0.25260	152.12%
Cadmiumt	-1.6	-0.0021	mg/L	0.00181	-0.2147	mg/kg	0.18138	84.47%
Chromiumt	3327.3	0.0698	mg/L	0.00148	6.984	mg/kg	0.1477	2.11%
Cobaltt	59.3	0.0133	mg/L	0.00082	1.330	mg/kg	0.0819	6.16%
Coppert	1472.9	0.0178	mg/L	0.00030	1.778	mg/kg	0.0302	1.70%
Lithiumt	160746.9	0.0124	mg/L	0.00004	1.245	mg/kg	0.0035	0.28%
Manganeset	77040.4	0.2363	mg/L	0.00249	23.63	mg/kg	0.249	1.06%
Molybdenumt	-11.8	-0.0052	mg/L	0.00222	-0.5240	mg/kg	0.22152	42.27%
Nickelt	138.5	0.0330	mg/L	0.00070	3.297	mg/kg	0.0702	2.13%
Leadt	37.3	0.0452	mg/L	0.00860	4.521	mg/kg	0.8599	19.02%
Seleniumt	-13.0	-0.0067	mg/L	0.00622	-0.6718	mg/kg	0.62194	92.58%
Silvert	-35.8	-0.0010	mg/L	0.00112	-0.1006	mg/kg	0.11236	111.72%
Strontiumt	952541.4	0.0608	mg/L	0.00061	6.078	mg/kg	0.0608	1.00%
Tint	6.7	0.0057	mg/L	0.00258	0.5687	mg/kg	0.25805	45.38%
Thalliumt	-9.1	-0.0058	mg/L	0.00207	-0.5763	mg/kg	0.20701	35.92%
Titaniumt	152522.5	0.4034	mg/L	0.00589	40.34	mg/kg	0.589	1.46%
Vanadiumt	5882.7	0.0953	mg/L	0.00158	9.533	mg/kg	0.1583	1.66%
Zinct	316.3	0.0477	mg/L	0.00100	4.766	mg/kg	0.0997	2.09%
Argon	4631069.2	101.2	mg/L	0.09	10120	mg/kg	9.4	0.09%
Sodiumt	3131529.6	9.014	mg/L	0.1120	901.4	mg/kg	11.20	1.24%
Magnesiumt	737146.9	4.518	mg/L	0.0036	451.8	mg/kg	0.36	0.08%
Iront	856372.3	55.63	mg/L	0.169	5563	mg/kg	16.9	0.30%
Calciumt	419727.6	3.185	mg/L	0.0094	318.5	mg/kg	0.94	0.29%
Potassiumt	136985.6	0.9733	mg/L	0.00550	97.33	mg/kg	0.550	0.56%
Aluminum radialt	75334.2	34.67	mg/L	0.153	3467	mg/kg	15.3	0.44%
Calcium radialt	11967.4	3.287	mg/L	0.0651	328.7	mg/kg	6.51	1.98%
Iron radialt	17809.2	58.40	mg/L	0.768	5840	mg/kg	76.8	1.32%
Magnesium radialt	19599.3	4.496	mg/L	0.0453	449.6	mg/kg	4.53	1.01%
Sodium radialt	34676.4	8.582	mg/L	0.1043	858.2	mg/kg	10.43	1.21%
Potassium radialt	996.3	0.8814	mg/L	0.01884	88.14	mg/kg	1.884	2.14%
Strontium radialt	31267.3	0.0641	mg/L	0.00086	6.415	mg/kg	0.0858	1.34%

Sequence No.: 77
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/9/2013 5:48:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	597094.5	100.3	%	0.34				0.34%
Aluminum†	32961.3	0.5259	mg/L	0.00207	0.5259	mg/L	0.00207	0.39%
QC value within limits for Aluminum Recovery = 105.18%								
Antimony†	198.8	0.4777	mg/L	0.01619	0.4777	mg/L	0.01619	3.39%
QC value within limits for Antimony Recovery = 95.54%								
Arsenic†	325.6	0.4939	mg/L	0.00455	0.4939	mg/L	0.00455	0.92%
QC value within limits for Arsenic Recovery = 98.78%								
Barium†	9356.8	0.4993	mg/L	0.00196	0.4993	mg/L	0.00196	0.39%
QC value within limits for Barium Recovery = 99.86%								
Beryllium†	947148.7	0.5066	mg/L	0.00199	0.5066	mg/L	0.00199	0.39%
QC value within limits for Beryllium Recovery = 101.32%								
Boron†	8573.4	0.5022	mg/L	0.00419	0.5022	mg/L	0.00419	0.83%
QC value within limits for Boron Recovery = 100.45%								
Cadmium†	2196.4	0.4854	mg/L	0.00324	0.4854	mg/L	0.00324	0.67%
QC value within limits for Cadmium Recovery = 97.08%								
Chromium†	23319.6	0.4975	mg/L	0.00381	0.4975	mg/L	0.00381	0.77%
QC value within limits for Chromium Recovery = 99.50%								
Cobalt†	1911.3	0.4965	mg/L	0.00270	0.4965	mg/L	0.00270	0.54%
QC value within limits for Cobalt Recovery = 99.31%								
Copper†	39280.5	0.4994	mg/L	0.00505	0.4994	mg/L	0.00505	1.01%
QC value within limits for Copper Recovery = 99.87%								
Lithium†	5548638.5	0.4935	mg/L	0.00761	0.4935	mg/L	0.00761	1.54%
QC value within limits for Lithium Recovery = 98.70%								
Manganese†	163147.9	0.5015	mg/L	0.00501	0.5015	mg/L	0.00501	1.00%
QC value within limits for Manganese Recovery = 100.30%								
Molybdenum†	1808.9	0.4903	mg/L	0.00684	0.4903	mg/L	0.00684	1.40%
QC value within limits for Molybdenum Recovery = 98.05%								
Nickel†	2123.9	0.4943	mg/L	0.00469	0.4943	mg/L	0.00469	0.95%
QC value within limits for Nickel Recovery = 98.87%								
Lead†	361.7	0.4883	mg/L	0.01488	0.4883	mg/L	0.01488	3.05%
QC value within limits for Lead Recovery = 97.65%								
Selenium†	259.1	0.4990	mg/L	0.01068	0.4990	mg/L	0.01068	2.14%
QC value within limits for Selenium Recovery = 99.80%								
Silver†	53117.6	0.5065	mg/L	0.00389	0.5065	mg/L	0.00389	0.77%
QC value within limits for Silver Recovery = 101.30%								
Strontium†	3853810.7	0.2495	mg/L	0.00371	0.2495	mg/L	0.00371	1.49%
QC value within limits for Strontium Recovery = 99.79%								
Tin†	718.8	0.4913	mg/L	0.00154	0.4913	mg/L	0.00154	0.31%
QC value within limits for Tin Recovery = 98.26%								
Thallium†	519.9	0.4906	mg/L	0.00308	0.4906	mg/L	0.00308	0.63%
QC value within limits for Thallium Recovery = 98.13%								
Titanium†	191393.4	0.5065	mg/L	0.00131	0.5065	mg/L	0.00131	0.26%
QC value within limits for Titanium Recovery = 101.31%								
Vanadium†	28007.1	0.4950	mg/L	0.00311	0.4950	mg/L	0.00311	0.63%
QC value within limits for Vanadium Recovery = 99.00%								
Zinc†	3179.4	0.4923	mg/L	0.00222	0.4923	mg/L	0.00222	0.45%
QC value within limits for Zinc Recovery = 98.46%								
Argon	4604317.7	100.6	mg/L	0.22	100.6	mg/L	0.22	0.22%
Sodium†	1731465.4	5.023	mg/L	0.0763	5.023	mg/L	0.0763	1.52%
QC value within limits for Sodium Recovery = 100.46%								
Magnesium†	81757.4	0.5012	mg/L	0.00387	0.5012	mg/L	0.00387	0.77%
QC value within limits for Magnesium Recovery = 100.23%								
Iron†	7760.0	0.5031	mg/L	0.00505	0.5031	mg/L	0.00505	1.00%
QC value within limits for Iron Recovery = 100.62%								
Calcium†	65714.3	0.4925	mg/L	0.00481	0.4925	mg/L	0.00481	0.98%

QC value within limits for Calcium Recovery = 98.49%

Potassium†	705932.7	4.538 mg/L	0.0143	4.538 mg/L	0.0143	0.31%

QC value within limits for Potassium Recovery = 90.77%

Aluminum radial†	1178.7	0.5608 mg/L	0.01583	0.5608 mg/L	0.01583	2.82%

QC value greater than the upper limit for Aluminum radial Recovery = 112.17%

Calcium radial†	1859.5	0.5140 mg/L	0.00251	0.5140 mg/L	0.00251	0.49%

QC value within limits for Calcium radial Recovery = 102.80%

Iron radial†	152.5	0.5161 mg/L	0.00757	0.5161 mg/L	0.00757	1.47%

QC value within limits for Iron radial Recovery = 103.22%

Magnesium radial†	2207.4	0.5145 mg/L	0.00034	0.5145 mg/L	0.00034	0.07%

QC value within limits for Magnesium radial Recovery = 102.90%

Sodium radial†	20275.4	5.019 mg/L	0.0046	5.019 mg/L	0.0046	0.09%

QC value within limits for Sodium radial Recovery = 100.38%

Potassium radial†	5848.2	4.999 mg/L	0.0483	4.999 mg/L	0.0483	0.97%

QC value within limits for Potassium radial Recovery = 99.98%

Strontium radial†	123029.0	0.2526 mg/L	0.00063	0.2526 mg/L	0.00063	0.25%

QC value within limits for Strontium radial Recovery = 101.02%

QC Failed. Continue with analysis.

Sequence No.: 78
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/9/2013 5:51:55 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium	592052.5	99.48	%	1.262				1.27%
Aluminumt	122.0	0.0014	mg/L	0.00101	0.0014	mg/L	0.00101	74.23%
QC value within limits for Aluminum Recovery = Not calculated								
Antimonyt	-0.2	0.0021	mg/L	0.00620	0.0021	mg/L	0.00620	294.48%
QC value within limits for Antimony Recovery = Not calculated								
Arsenict	1.5	0.0001	mg/L	0.00923	0.0001	mg/L	0.00923	>999.9%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	-8.1	-0.0010	mg/L	0.00042	-0.0010	mg/L	0.00042	41.42%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	-70.0	-0.0006	mg/L	0.00006	-0.0006	mg/L	0.00006	10.16%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	4.8	0.0009	mg/L	0.00057	0.0009	mg/L	0.00057	60.98%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	1.1	-0.0014	mg/L	0.00124	-0.0014	mg/L	0.00124	90.96%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	-4.7	-0.0014	mg/L	0.00055	-0.0014	mg/L	0.00055	37.99%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	1.1	-0.0011	mg/L	0.00178	-0.0011	mg/L	0.00178	165.90%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	122.2	0.0004	mg/L	0.00158	0.0004	mg/L	0.00158	417.16%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	258.4	-0.0019	mg/L	0.00003	-0.0019	mg/L	0.00003	1.86%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	27.2	-0.0010	mg/L	0.00008	-0.0010	mg/L	0.00008	8.51%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-6.9	-0.0033	mg/L	0.00154	-0.0033	mg/L	0.00154	47.06%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	0.1	-0.0017	mg/L	0.00206	-0.0017	mg/L	0.00206	118.55%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	3.4	-0.0023	mg/L	0.00649	-0.0023	mg/L	0.00649	288.17%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	-4.2	-0.0025	mg/L	0.00184	-0.0025	mg/L	0.00184	73.43%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	-30.0	-0.0017	mg/L	0.00066	-0.0017	mg/L	0.00066	38.91%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	91.6	-0.0011	mg/L	0.00001	-0.0011	mg/L	0.00001	1.14%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-5.4	-0.0025	mg/L	0.00461	-0.0025	mg/L	0.00461	184.65%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-3.1	-0.0001	mg/L	0.00799	-0.0001	mg/L	0.00799	>999.9%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	10.0	-0.0011	mg/L	0.00038	-0.0011	mg/L	0.00038	34.76%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	-403.2	-0.0065	mg/L	0.00100	-0.0065	mg/L	0.00100	15.33%
QC value within limits for Vanadium Recovery = Not calculated								
Zinct	17.8	0.0013	mg/L	0.00046	0.0013	mg/L	0.00046	35.06%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4606513.0	100.6	mg/L	0.28	100.6	mg/L	0.28	0.27%
Sodiumt	878.6	0.0900	mg/L	0.00051	0.0900	mg/L	0.00051	0.57%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	-6.5	0.0000	mg/L	0.00020	0.0000	mg/L	0.00020	461.16%
QC value within limits for Magnesium Recovery = Not calculated								
Iront	19.2	0.0002	mg/L	0.00027	0.0002	mg/L	0.00027	120.07%
QC value within limits for Iron Recovery = Not calculated								
Calciumt	184.4	-0.0059	mg/L	0.00017	-0.0059	mg/L	0.00017	2.79%

QC value within limits for Calcium Recovery = Not calculated

Potassium†	112.5	0.1156 mg/L	0.00085	0.1156 mg/L	0.00085	0.74%

QC value within limits for Potassium Recovery = Not calculated

Aluminum radial†	8.3	0.0226 mg/L	0.00302	0.0226 mg/L	0.00302	13.38%

QC value within limits for Aluminum radial Recovery = Not calculated

Calcium radial†	20.5	0.0095 mg/L	0.00124	0.0095 mg/L	0.00124	13.05%

QC value within limits for Calcium radial Recovery = Not calculated

Iron radial†	-0.7	0.0140 mg/L	0.00514	0.0140 mg/L	0.00514	36.67%

QC value within limits for Iron radial Recovery = Not calculated

Magnesium radial†	2.0	0.0097 mg/L	0.00124	0.0097 mg/L	0.00124	12.76%

QC value within limits for Magnesium radial Recovery = Not calculated

Sodium radial†	8.4	0.0050 mg/L	0.00720	0.0050 mg/L	0.00720	143.46%

QC value within limits for Sodium radial Recovery = Not calculated

Potassium radial†	-27.0	0.0130 mg/L	0.03772	0.0130 mg/L	0.03772	289.97%

QC value within limits for Potassium radial Recovery = Not calculated

Strontium radial†	-33.6	-0.0001 mg/L	0.00001	-0.0001 mg/L	0.00001	7.50%

QC value within limits for Strontium radial Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 79
Sample ID: L0024384-04C
Analyst:
Initial Sample Wt: 0.5 g
Dilution:

Autosampler Location: 211
Date Collected: 1/9/2013 5:55:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024384-04C

Analyte	Back Pressure	Flow
All	130.0 kPa	0.65 L/min

Mean Data: L0024384-04C

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium	603889.4	101.5	%	0.27				0.26%
Aluminumt	1801421.9	28.77	mg/L	0.086	2877	mg/kg	8.6	0.30%
Antimonyt	-12.2	-0.0099	mg/L	0.01712	-0.9893	mg/kg	1.71184	173.04%
Arsenict	-9.0	-0.0116	mg/L	0.01330	-1.165	mg/kg	1.3302	114.20%
Bariumt	4938.9	0.2611	mg/L	0.00293	26.11	mg/kg	0.293	1.12%
Berylliumt	1759.8	0.0004	mg/L	0.00005	0.0400	mg/kg	0.00535	13.37%
Boront	164.6	0.0023	mg/L	0.00193	0.2319	mg/kg	0.19307	83.24%
Cadmiumt	7.3	0.0005	mg/L	0.00176	0.0520	mg/kg	0.17562	337.73%
Chromiumt	3836.3	0.0807	mg/L	0.00158	8.073	mg/kg	0.1584	1.96%
Cobaltt	130.4	0.0315	mg/L	0.00110	3.151	mg/kg	0.1103	3.50%
Coppert	2263.4	0.0304	mg/L	0.00214	3.044	mg/kg	0.2136	7.02%
Lithiumt	139484.3	0.0106	mg/L	0.00008	1.055	mg/kg	0.0083	0.79%
Manganeset	276999.2	0.8522	mg/L	0.00296	85.22	mg/kg	0.296	0.35%
Molybdenumt	43.7	0.0100	mg/L	0.00180	0.9956	mg/kg	0.17958	18.04%
Nickelt	138.7	0.0327	mg/L	0.00121	3.267	mg/kg	0.1214	3.71%
Leadt	37.4	0.0452	mg/L	0.00559	4.522	mg/kg	0.5587	12.36%
Seleniumt	11.0	0.0371	mg/L	0.01441	3.715	mg/kg	1.4412	38.80%
Silvert	-74.8	-0.0028	mg/L	0.00053	-0.2774	mg/kg	0.05272	19.01%
Strontiumt	1054731.3	0.0663	mg/L	0.00071	6.629	mg/kg	0.0714	1.08%
Tint	20.1	0.0136	mg/L	0.00063	1.365	mg/kg	0.0628	4.60%
Thalliumt	-27.0	-0.0225	mg/L	0.00392	-2.247	mg/kg	0.3924	17.47%
Titaniumt	218674.4	0.5789	mg/L	0.01576	57.89	mg/kg	1.576	2.72%
Vanadiumt	5300.6	0.0864	mg/L	0.00191	8.644	mg/kg	0.1913	2.21%
Zinct	379.0	0.0574	mg/L	0.00082	5.739	mg/kg	0.0819	1.43%
Argon	4590434.9	100.3	mg/L	0.19	10030	mg/kg	19.4	0.19%
Sodiumt	939319.0	2.765	mg/L	0.0051	276.5	mg/kg	0.51	0.18%
Magnesiumt	580798.5	3.560	mg/L	0.0108	356.0	mg/kg	1.08	0.30%
Iront	719051.4	46.71	mg/L	0.198	4671	mg/kg	19.8	0.42%
Calciumt	6048032.9	45.99	mg/L	0.999	4599	mg/kg	99.9	2.17%
Potassiumt	166867.6	1.161	mg/L	0.0101	116.1	mg/kg	1.01	0.87%
Aluminum radialt	64254.7	29.57	mg/L	0.296	2957	mg/kg	29.6	1.00%
Calcium radialt	173184.5	47.51	mg/L	0.854	4751	mg/kg	85.4	1.80%
Iron radialt	15139.7	49.65	mg/L	0.934	4965	mg/kg	93.4	1.88%
Magnesium radialt	15795.4	3.625	mg/L	0.0717	362.5	mg/kg	7.17	1.98%
Sodium radialt	10637.6	2.635	mg/L	0.0455	263.5	mg/kg	4.55	1.73%
Potassium radialt	1304.2	1.143	mg/L	0.0132	114.3	mg/kg	1.32	1.16%
Strontium radialt	35273.5	0.0724	mg/L	0.00049	7.237	mg/kg	0.0494	0.68%

Sequence No.: 80
Sample ID: L0024384-05C
Analyst:
Initial Sample Wt: 0.5 g
Dilution:

Autosampler Location: 212
Date Collected: 1/9/2013 5:57:34 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024384-05C

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024384-05C

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	600080.1	100.8	%	1.72				1.70%
Aluminumt	378903.0	6.052	mg/L	0.0426	605.2	mg/kg	4.26	0.70%
Antimonyt	-3.5	-0.0032	mg/L	0.00291	-0.3220	mg/kg	0.29084	90.31%
Arsenict	2.0	0.0014	mg/L	0.00096	0.1400	mg/kg	0.09611	68.63%
Bariumt	4503.7	0.2397	mg/L	0.00545	23.97	mg/kg	0.545	2.28%
Berylliumt	525.0	-0.0003	mg/L	0.00005	-0.0261	mg/kg	0.00472	18.07%
Boront	69.6	0.0035	mg/L	0.00121	0.3525	mg/kg	0.12133	34.42%
Cadmiumt	-3.4	-0.0023	mg/L	0.00190	-0.2348	mg/kg	0.18967	80.79%
Chromiumt	568.9	0.0108	mg/L	0.00038	1.084	mg/kg	0.0375	3.47%
Cobaltt	37.3	0.0079	mg/L	0.00050	0.7910	mg/kg	0.05030	6.36%
Coppert	751.7	0.0085	mg/L	0.00171	0.8489	mg/kg	0.17069	20.11%
Lithiumt	50289.6	0.0026	mg/L	0.00004	0.2587	mg/kg	0.00366	1.41%
Manganeset	375960.5	1.157	mg/L	0.0026	115.7	mg/kg	0.26	0.23%
Molybdenumt	-3.6	-0.0025	mg/L	0.00109	-0.2457	mg/kg	0.10855	44.18%
Nickelt	64.8	0.0137	mg/L	0.00065	1.367	mg/kg	0.0651	4.76%
Leadt	12.5	0.0104	mg/L	0.00862	1.042	mg/kg	0.8621	82.75%
Seleniumt	4.6	0.0159	mg/L	0.00471	1.591	mg/kg	0.4708	29.59%
Silvert	126.6	-0.0001	mg/L	0.00088	-0.0107	mg/kg	0.08839	826.88%
Strontiumt	100086.3	0.0054	mg/L	0.00009	0.5405	mg/kg	0.00901	1.67%
Tint	14.2	0.0108	mg/L	0.00696	1.085	mg/kg	0.6955	64.10%
Thalliumt	-23.1	-0.0189	mg/L	0.00552	-1.887	mg/kg	0.5524	29.28%
Titaniumt	87953.0	0.2322	mg/L	0.00878	23.22	mg/kg	0.878	3.78%
Vanadiumt	636.8	0.0107	mg/L	0.00108	1.069	mg/kg	0.1078	10.09%
Zinct	167.8	0.0246	mg/L	0.00116	2.459	mg/kg	0.1161	4.72%
Argon	4644394.0	101.4	mg/L	0.09	10140	mg/kg	9.4	0.09%
Sodiumt	44721.9	0.2150	mg/L	0.00470	21.50	mg/kg	0.470	2.19%
Magnesiumt	55085.7	0.3377	mg/L	0.00623	33.77	mg/kg	0.623	1.85%
Iront	114184.4	7.417	mg/L	0.1126	741.7	mg/kg	11.26	1.52%
Calciumt	195383.4	1.479	mg/L	0.0060	147.9	mg/kg	0.60	0.41%
Potassiumt	42958.9	0.3841	mg/L	0.00346	38.41	mg/kg	0.346	0.90%
Aluminum radialt	13121.7	6.054	mg/L	0.1139	605.4	mg/kg	11.39	1.88%
Calcium radialt	5515.1	1.517	mg/L	0.0206	151.7	mg/kg	2.06	1.36%
Iron radialt	2287.4	7.515	mg/L	0.1269	751.5	mg/kg	12.69	1.69%
Magnesium radialt	1509.9	0.3548	mg/L	0.00609	35.48	mg/kg	0.609	1.72%
Sodium radialt	550.9	0.1392	mg/L	0.00418	13.92	mg/kg	0.418	3.00%
Potassium radialt	415.2	0.3882	mg/L	0.01582	38.82	mg/kg	1.582	4.08%
Strontium radialt	3187.9	0.0065	mg/L	0.00011	0.6493	mg/kg	0.01119	1.72%

Sequence No.: 81
Sample ID: L0024399-01A
Analyst:
Initial Sample Wt: 1 g
Dilution: 5X

Autosampler Location: 213
Date Collected: 1/9/2013 6:00:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024399-01A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024399-01A

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium	575718.2	96.73	%	1.177				1.22%
Aluminumt	605059.6	9.664	mg/L	0.0264	2416	mg/kg	6.6	0.27%
Antimonyt	-32.5	-0.0713	mg/L	0.01533	-17.81	mg/kg	3.832	21.51%
Arsenict	-63.2	-0.0542	mg/L	0.00348	-13.55	mg/kg	0.870	6.42%
Bariumt	26598.4	1.420	mg/L	0.0265	355.0	mg/kg	6.62	1.86%
Berylliumt	3710.8	0.0014	mg/L	0.00006	0.3611	mg/kg	0.01545	4.28%
Boront	264.3	0.0137	mg/L	0.00151	3.426	mg/kg	0.3784	11.04%
Cadmiumt	8.1	0.0023	mg/L	0.00073	0.5733	mg/kg	0.18351	32.01%
Chromiumt	688.6	0.0134	mg/L	0.00091	3.349	mg/kg	0.2264	6.76%
Cobaltt	39.2	0.0087	mg/L	0.00104	2.174	mg/kg	0.2596	11.94%
Coppert	-624.8	0.0293	mg/L	0.00130	7.320	mg/kg	0.3253	4.44%
Lithiumt	149219.4	0.0114	mg/L	0.00003	2.855	mg/kg	0.0081	0.28%
Manganeset	355504.3	1.094	mg/L	0.0022	273.5	mg/kg	0.55	0.20%
Molybdenumt	82.4	0.0208	mg/L	0.00314	5.210	mg/kg	0.7846	15.06%
Nickelt	87.8	0.0194	mg/L	0.00118	4.839	mg/kg	0.2961	6.12%
Leadt	16.9	0.0165	mg/L	0.00063	4.136	mg/kg	0.1570	3.80%
Seleniumt	68.7	0.1397	mg/L	0.03027	34.94	mg/kg	7.569	21.66%
Silvert	2025.0	-0.0015	mg/L	0.00028	-0.3855	mg/kg	0.06957	18.05%
Strontiumt	29271060.9	1.885	mg/L	0.0200	471.3	mg/kg	5.00	1.06%
Tint	7.9	-0.0103	mg/L	0.01043	-2.572	mg/kg	2.6067	101.35%
Thalliumt	-83.6	-0.0756	mg/L	0.00963	-18.91	mg/kg	2.406	12.73%
Titaniumt	34835.0	0.0913	mg/L	0.00585	22.82	mg/kg	1.462	6.41%
Vanadiumt	1533.9	0.0251	mg/L	0.00168	6.272	mg/kg	0.4191	6.68%
Zinct	2344.6	0.3626	mg/L	0.00574	90.66	mg/kg	1.436	1.58%
Argon	4492078.0	98.12	mg/L	0.331	24530	mg/kg	82.7	0.34%
Sodiumt	6801985.6	19.48	mg/L	0.209	4869	mg/kg	52.2	1.07%
Magnesiumt	889777.0	5.453	mg/L	0.0074	1363	mg/kg	1.8	0.14%
Iront	217808.3	14.15	mg/L	0.023	3537	mg/kg	5.6	0.16%
Calciumt	79362823.3	603.6	mg/L	7.21	150900	mg/kg	1803.2	1.20%
Potassiumt	302751.7	2.012	mg/L	0.0040	503.0	mg/kg	1.01	0.20%
Aluminum radialt	23960.1	11.04	mg/L	0.168	2760	mg/kg	42.0	1.52%
Calcium radialt	2393106.5	656.4	mg/L	15.41	164100	mg/kg	3851.8	2.35%
Iron radialt	4588.7	15.06	mg/L	0.136	3765	mg/kg	34.1	0.91%
Magnesium radialt	22881.2	5.247	mg/L	0.0720	1312	mg/kg	18.0	1.37%
Sodium radialt	58584.1	14.50	mg/L	0.305	3624	mg/kg	76.2	2.10%
Potassium radialt	1569.4	1.368	mg/L	0.1111	341.9	mg/kg	27.77	8.12%
Strontium radialt	1019895.9	2.094	mg/L	0.0432	523.5	mg/kg	10.80	2.06%

Sequence No.: 82
Sample ID: L0024399-04A
Analyst:
Initial Sample Wt: 1 g
Dilution: 5X

Autosampler Location: 214
Date Collected: 1/9/2013 6:02:51 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024399-04A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024399-04A

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	586118.7	98.48	%	0.902				0.92%
Aluminumt	864145.8	13.80	mg/L	0.015	3451	mg/kg	3.7	0.11%
Antimonyt	-34.6	-0.0753	mg/L	0.00730	-18.84	mg/kg	1.824	9.68%
Arsenict	-54.4	-0.0481	mg/L	0.00152	-12.02	mg/kg	0.381	3.17%
Bariumt	22670.7	1.210	mg/L	0.0058	302.5	mg/kg	1.46	0.48%
Berylliumt	3614.1	0.0014	mg/L	0.00004	0.3482	mg/kg	0.00916	2.63%
Boront	165.3	0.0075	mg/L	0.00141	1.877	mg/kg	0.3532	18.81%
Cadmiumt	10.2	0.0025	mg/L	0.00139	0.6194	mg/kg	0.34686	56.00%
Chromiumt	787.5	0.0155	mg/L	0.00147	3.878	mg/kg	0.3683	9.50%
Cobaltt	36.1	0.0079	mg/L	0.00106	1.983	mg/kg	0.2650	13.36%
Coppert	-258.4	0.0278	mg/L	0.00184	6.956	mg/kg	0.4588	6.60%
Lithiumt	144129.1	0.0110	mg/L	0.00001	2.741	mg/kg	0.0032	0.12%
Manganeset	613889.9	1.890	mg/L	0.0049	472.5	mg/kg	1.24	0.26%
Molybdenumt	78.3	0.0197	mg/L	0.00049	4.928	mg/kg	0.1219	2.47%
Nickelt	80.1	0.0177	mg/L	0.00366	4.418	mg/kg	0.9160	20.73%
Leadt	41.7	0.0507	mg/L	0.00576	12.67	mg/kg	1.439	11.35%
Seleniumt	60.5	0.1246	mg/L	0.02029	31.15	mg/kg	5.074	16.29%
Silvert	1759.2	-0.0009	mg/L	0.00095	-0.2259	mg/kg	0.23631	104.61%
Strontiumt	25414749.3	1.637	mg/L	0.0094	409.3	mg/kg	2.35	0.58%
Tint	10.5	-0.0059	mg/L	0.00545	-1.464	mg/kg	1.3616	93.01%
Thalliumt	-87.0	-0.0788	mg/L	0.01073	-19.69	mg/kg	2.683	13.62%
Titaniumt	23847.1	0.0621	mg/L	0.00109	15.53	mg/kg	0.272	1.75%
Vanadiumt	1784.4	0.0291	mg/L	0.00105	7.271	mg/kg	0.2621	3.60%
Zinct	7008.1	1.087	mg/L	0.0072	271.7	mg/kg	1.80	0.66%
Argon	4512342.7	98.56	mg/L	0.188	24640	mg/kg	46.9	0.19%
Sodiumt	3821859.3	10.98	mg/L	0.108	2746	mg/kg	27.0	0.99%
Magnesiumt	1009930.5	6.190	mg/L	0.0080	1547	mg/kg	2.0	0.13%
Iront	255282.1	16.58	mg/L	0.075	4146	mg/kg	18.8	0.45%
Calciumt	68069849.7	517.7	mg/L	2.46	129400	mg/kg	615.4	0.48%
Potassiumt	371561.7	2.443	mg/L	0.0058	610.8	mg/kg	1.45	0.24%
Aluminum radialt	32193.2	14.83	mg/L	0.119	3706	mg/kg	29.7	0.80%
Calcium radialt	2011577.0	551.8	mg/L	3.33	137900	mg/kg	833.7	0.60%
Iron radialt	5359.3	17.58	mg/L	0.125	4396	mg/kg	31.4	0.71%
Magnesium radialt	26075.6	5.978	mg/L	0.0287	1495	mg/kg	7.2	0.48%
Sodium radialt	33953.7	8.403	mg/L	0.0452	2101	mg/kg	11.3	0.54%
Potassium radialt	2214.6	1.915	mg/L	0.0491	478.8	mg/kg	12.28	2.56%
Strontium radialt	871338.8	1.789	mg/L	0.0106	447.3	mg/kg	2.66	0.59%

Sequence No.: 83
Sample ID: L0024399-07A
Analyst:
Initial Sample Wt: 1 g
Dilution: 5X

Autosampler Location: 215
Date Collected: 1/9/2013 6:05:21 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024399-07A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024399-07A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	595969.3	100.1	%	0.63				0.63%
Aluminumt	1086614.2	17.36	mg/L	0.044	4339	mg/kg	11.0	0.25%
Antimonyt	-24.2	-0.0504	mg/L	0.00471	-12.60	mg/kg	1.179	9.35%
Arsenict	-39.8	-0.0478	mg/L	0.01954	-11.95	mg/kg	4.885	40.87%
Bariumt	18890.2	1.008	mg/L	0.0099	252.0	mg/kg	2.48	0.98%
Berylliumt	3268.5	0.0012	mg/L	0.00014	0.3019	mg/kg	0.03414	11.31%
Boront	194.5	0.0093	mg/L	0.00047	2.330	mg/kg	0.1168	5.01%
Cadmiumt	3.3	0.0004	mg/L	0.00141	0.1124	mg/kg	0.35283	313.92%
Chromiumt	874.7	0.0174	mg/L	0.00026	4.344	mg/kg	0.0643	1.48%
Cobaltt	22.1	0.0043	mg/L	0.00088	1.080	mg/kg	0.2205	20.42%
Coppert	677.8	0.0204	mg/L	0.00109	5.093	mg/kg	0.2714	5.33%
Lithiumt	187398.5	0.0148	mg/L	0.00001	3.707	mg/kg	0.0030	0.08%
Manganeset	196903.7	0.6055	mg/L	0.00275	151.4	mg/kg	0.69	0.45%
Molybdenumt	47.2	0.0113	mg/L	0.00222	2.816	mg/kg	0.5539	19.67%
Nickelt	63.0	0.0136	mg/L	0.00144	3.410	mg/kg	0.3600	10.56%
Leadt	34.7	0.0411	mg/L	0.00680	10.28	mg/kg	1.700	16.54%
Seleniumt	42.6	0.0905	mg/L	0.01449	22.62	mg/kg	3.622	16.02%
Silvert	560.6	-0.0024	mg/L	0.00142	-0.5949	mg/kg	0.35551	59.75%
Strontiumt	13044901.0	0.8414	mg/L	0.00615	210.3	mg/kg	1.54	0.73%
Tint	14.5	0.0054	mg/L	0.00441	1.346	mg/kg	1.1035	81.98%
Thalliumt	-48.3	-0.0425	mg/L	0.00634	-10.62	mg/kg	1.586	14.93%
Titaniumt	16834.6	0.0435	mg/L	0.00094	10.88	mg/kg	0.236	2.16%
Vanadiumt	1821.0	0.0300	mg/L	0.00169	7.496	mg/kg	0.4225	5.64%
Zinct	2477.5	0.3833	mg/L	0.00370	95.82	mg/kg	0.924	0.96%
Argon	4552525.8	99.44	mg/L	0.074	24860	mg/kg	18.4	0.07%
Sodiumt	4792021.9	13.75	mg/L	0.077	3437	mg/kg	19.1	0.56%
Magnesiumt	556207.7	3.409	mg/L	0.0109	852.2	mg/kg	2.72	0.32%
Iront	249748.3	16.22	mg/L	0.073	4056	mg/kg	18.2	0.45%
Calciumt	27639055.0	210.2	mg/L	1.57	52550	mg/kg	393.4	0.75%
Potassiumt	322509.0	2.136	mg/L	0.0040	534.0	mg/kg	0.99	0.19%
Aluminum radialt	38481.6	17.72	mg/L	0.148	4429	mg/kg	37.1	0.84%
Calcium radialt	804470.4	220.7	mg/L	2.27	55170	mg/kg	567.6	1.03%
Iron radialt	5166.9	16.95	mg/L	0.042	4239	mg/kg	10.6	0.25%
Magnesium radialt	14699.2	3.374	mg/L	0.0206	843.5	mg/kg	5.14	0.61%
Sodium radialt	46660.3	11.55	mg/L	0.134	2887	mg/kg	33.5	1.16%
Potassium radialt	2155.8	1.865	mg/L	0.0450	466.4	mg/kg	11.24	2.41%
Strontium radialt	442542.9	0.9086	mg/L	0.00934	227.2	mg/kg	2.34	1.03%

Sequence No.: 84
Sample ID: L0024399-10A
Analyst:
Initial Sample Wt: 1 g
Dilution: 5X

Autosampler Location: 216
Date Collected: 1/9/2013 6:07:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024399-10A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024399-10A

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	619174.7	104.0	%	1.92				1.85%
Aluminumt	985267.3	15.74	mg/L	0.043	3934	mg/kg	10.7	0.27%
Antimonyt	-10.7	-0.0174	mg/L	0.01855	-4.358	mg/kg	4.6380	106.44%
Arsenict	-2.7	-0.0055	mg/L	0.00771	-1.383	mg/kg	1.9268	139.34%
Bariumt	29642.4	1.582	mg/L	0.0344	395.6	mg/kg	8.60	2.17%
Berylliumt	3331.7	0.0012	mg/L	0.00008	0.3104	mg/kg	0.02000	6.44%
Boront	124.9	0.0052	mg/L	0.00086	1.304	mg/kg	0.2161	16.57%
Cadmiumt	-2.7	-0.0020	mg/L	0.00050	-0.5111	mg/kg	0.12416	24.29%
Chromiumt	847.7	0.0168	mg/L	0.00025	4.200	mg/kg	0.0615	1.46%
Cobaltt	47.2	0.0109	mg/L	0.00085	2.718	mg/kg	0.2124	7.82%
Coppert	967.8	0.0121	mg/L	0.00064	3.017	mg/kg	0.1595	5.29%
Lithiumt	189190.4	0.0150	mg/L	0.00005	3.747	mg/kg	0.0135	0.36%
Manganeset	92435.6	0.2837	mg/L	0.00536	70.92	mg/kg	1.339	1.89%
Molybdenumt	-0.2	-0.0016	mg/L	0.00183	-0.4038	mg/kg	0.45771	113.36%
Nickelt	86.9	0.0192	mg/L	0.00036	4.810	mg/kg	0.0911	1.89%
Leadt	29.1	0.0335	mg/L	0.00248	8.368	mg/kg	0.6190	7.40%
Seleniumt	1.9	0.0131	mg/L	0.01011	3.268	mg/kg	2.5271	77.32%
Silvert	58.2	-0.0011	mg/L	0.00198	-0.2785	mg/kg	0.49480	177.64%
Strontiumt	4399454.1	0.2846	mg/L	0.00050	71.14	mg/kg	0.124	0.17%
Tint	7.6	0.0059	mg/L	0.00202	1.483	mg/kg	0.5049	34.05%
Thalliumt	-8.8	-0.0055	mg/L	0.00627	-1.363	mg/kg	1.5670	114.99%
Titaniumt	20384.6	0.0529	mg/L	0.00348	13.24	mg/kg	0.871	6.58%
Vanadiumt	1113.0	0.0175	mg/L	0.00295	4.369	mg/kg	0.7374	16.88%
Zinct	343.4	0.0519	mg/L	0.00216	12.97	mg/kg	0.541	4.17%
Argon	4605647.1	100.6	mg/L	0.25	25150	mg/kg	63.4	0.25%
Sodiumt	3648504.7	10.49	mg/L	0.021	2622	mg/kg	5.3	0.20%
Magnesiumt	502918.6	3.082	mg/L	0.0060	770.6	mg/kg	1.51	0.20%
Iront	257752.7	16.74	mg/L	0.015	4186	mg/kg	3.9	0.09%
Calciumt	2014367.7	15.31	mg/L	0.023	3828	mg/kg	5.6	0.15%
Potassiumt	256849.7	1.724	mg/L	0.0077	431.1	mg/kg	1.93	0.45%
Aluminum radialt	33473.6	15.41	mg/L	0.222	3853	mg/kg	55.5	1.44%
Calcium radialt	56955.3	15.63	mg/L	0.222	3907	mg/kg	55.5	1.42%
Iron radialt	5213.7	17.11	mg/L	0.381	4277	mg/kg	95.2	2.23%
Magnesium radialt	13402.0	3.077	mg/L	0.0470	769.2	mg/kg	11.75	1.53%
Sodium radialt	39739.1	9.835	mg/L	0.3318	2459	mg/kg	83.0	3.37%
Potassium radialt	2039.3	1.767	mg/L	0.0555	441.6	mg/kg	13.88	3.14%
Strontium radialt	140986.5	0.2894	mg/L	0.00976	72.36	mg/kg	2.440	3.37%

Sequence No.: 85
Sample ID: L0024411-01A
Analyst:
Initial Sample Wt: 2.99 g
Dilution: 20X

Autosampler Location: 217
Date Collected: 1/9/2013 6:10:11 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024411-01A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024411-01A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	589019.1	98.97	%	1.278				1.29%
Aluminumt	71328.2	1.139	mg/L	0.0063	380.8	mg/kg	2.09	0.55%
Antimonyt	583.4	1.422	mg/L	0.0312	475.7	mg/kg	10.44	2.19%
Arsenict	-2.2	-0.0033	mg/L	0.01174	-1.093	mg/kg	3.9250	359.16%
Bariumt	7199.1	0.3840	mg/L	0.00297	128.4	mg/kg	0.99	0.77%
Berylliumt	-917.3	-0.0010	mg/L	0.00013	-0.3457	mg/kg	0.04275	12.37%
Boront	1763.3	0.1036	mg/L	0.00045	34.66	mg/kg	0.149	0.43%
Cadmiumt	52.0	0.0102	mg/L	0.00175	3.426	mg/kg	0.5856	17.09%
Chromiumt	2553.1	0.0533	mg/L	0.00087	17.82	mg/kg	0.291	1.63%
Cobaltt	30.3	0.0065	mg/L	0.00081	2.188	mg/kg	0.2711	12.39%
Coppert	17747.8	0.2272	mg/L	0.00180	75.98	mg/kg	0.602	0.79%
Lithiumt	17650.1	-0.0003	mg/L	0.00001	-0.1093	mg/kg	0.00333	3.05%
Manganeset	18514.6	0.0560	mg/L	0.00034	18.72	mg/kg	0.112	0.60%
Molybdenumt	26.5	0.0058	mg/L	0.00236	1.941	mg/kg	0.7907	40.74%
Nickelt	215.3	0.0486	mg/L	0.00150	16.25	mg/kg	0.503	3.09%
Leadt	118.6	0.1555	mg/L	0.01207	52.01	mg/kg	4.038	7.76%
Seleniumt	12.3	0.0292	mg/L	0.00829	9.767	mg/kg	2.7733	28.40%
Silvert	471.9	0.0020	mg/L	0.00033	0.6720	mg/kg	0.11190	16.65%
Strontiumt	809936.3	0.0506	mg/L	0.00012	16.93	mg/kg	0.041	0.24%
Tint	109.3	0.0747	mg/L	0.00655	24.99	mg/kg	2.190	8.77%
Thalliumt	-11.6	-0.0080	mg/L	0.00162	-2.690	mg/kg	0.5416	20.13%
Titaniumt	3335.3	0.0077	mg/L	0.00020	2.582	mg/kg	0.0670	2.59%
Vanadiumt	49.9	0.0011	mg/L	0.00019	0.3597	mg/kg	0.06322	17.58%
Zinct	3043.4	0.4712	mg/L	0.00781	157.6	mg/kg	2.61	1.66%
Argon	4594628.2	100.4	mg/L	0.17	33570	mg/kg	55.6	0.17%
Sodiumt	142816.0	0.4946	mg/L	0.00133	165.4	mg/kg	0.45	0.27%
Magnesiumt	640127.0	3.923	mg/L	0.0082	1312	mg/kg	2.7	0.21%
Iront	18946.8	1.230	mg/L	0.0049	411.3	mg/kg	1.63	0.40%
Calciumt	4970128.9	37.79	mg/L	0.990	12640	mg/kg	331.0	2.62%
Potassiumt	18992.3	0.2339	mg/L	0.00131	78.23	mg/kg	0.439	0.56%
Aluminum radialt	2452.4	1.147	mg/L	0.0195	383.5	mg/kg	6.52	1.70%
Calcium radialt	137727.5	37.78	mg/L	0.400	12640	mg/kg	133.7	1.06%
Iron radialt	370.7	1.232	mg/L	0.0109	411.9	mg/kg	3.65	0.89%
Magnesium radialt	16792.1	3.853	mg/L	0.0445	1289	mg/kg	14.9	1.15%
Sodium radialt	1529.9	0.3814	mg/L	0.04029	127.6	mg/kg	13.48	10.56%
Potassium radialt	-0.0	0.0359	mg/L	0.11033	11.99	mg/kg	36.898	307.71%
Strontium radialt	25732.2	0.0528	mg/L	0.00030	17.65	mg/kg	0.099	0.56%

Sequence No.: 86
Sample ID: L0024411-02A
Analyst:
Initial Sample Wt: 2.99 g
Dilution: 20X

Autosampler Location: 218
Date Collected: 1/9/2013 6:13:01 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024411-02A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024411-02A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	597993.2	100.5	%	2.13				2.12%
Aluminumt	2283372.3	36.47	mg/L	0.214	12200	mg/kg	71.4	0.59%
Antimonyt	-5.4	0.0050	mg/L	0.00834	1.671	mg/kg	2.7879	166.83%
Arsenict	3.6	0.0028	mg/L	0.00667	0.9519	mg/kg	2.23090	234.37%
Bariumt	5582.5	0.2957	mg/L	0.00703	98.91	mg/kg	2.350	2.38%
Berylliumt	5042.2	0.0022	mg/L	0.00019	0.7216	mg/kg	0.06392	8.86%
Boront	364.1	0.0150	mg/L	0.00328	5.003	mg/kg	1.0962	21.91%
Cadmiumt	4.7	-0.0004	mg/L	0.00015	-0.1467	mg/kg	0.05043	34.38%
Chromiumt	2193.6	0.0456	mg/L	0.00235	15.25	mg/kg	0.786	5.16%
Cobaltt	149.4	0.0374	mg/L	0.00113	12.50	mg/kg	0.378	3.02%
Coppert	3036.1	0.0383	mg/L	0.00092	12.81	mg/kg	0.307	2.39%
Lithiumt	480682.5	0.0410	mg/L	0.00025	13.72	mg/kg	0.085	0.62%
Manganeset	103241.6	0.3170	mg/L	0.00783	106.0	mg/kg	2.62	2.47%
Molybdenumt	-9.0	-0.0043	mg/L	0.00142	-1.440	mg/kg	0.4736	32.88%
Nickelt	272.9	0.0638	mg/L	0.00232	21.33	mg/kg	0.776	3.64%
Leadt	30.4	0.0357	mg/L	0.00475	11.95	mg/kg	1.588	13.29%
Seleniumt	5.4	0.0255	mg/L	0.00693	8.516	mg/kg	2.3182	27.22%
Silvert	133.7	0.0001	mg/L	0.00090	0.0455	mg/kg	0.30124	662.07%
Strontiumt	6663102.1	0.4318	mg/L	0.01487	144.4	mg/kg	4.97	3.44%
Tint	5.3	0.0045	mg/L	0.01346	1.491	mg/kg	4.5031	302.08%
Thalliumt	-7.5	-0.0042	mg/L	0.00284	-1.416	mg/kg	0.9497	67.05%
Titaniumt	52762.2	0.1388	mg/L	0.00727	46.43	mg/kg	2.430	5.23%
Vanadiumt	4684.4	0.0760	mg/L	0.00308	25.43	mg/kg	1.030	4.05%
Zinct	860.4	0.1322	mg/L	0.00356	44.20	mg/kg	1.190	2.69%
Argon	4631383.8	101.2	mg/L	0.22	33830	mg/kg	72.4	0.21%
Sodiumt	8071271.2	23.10	mg/L	0.826	7724	mg/kg	276.1	3.57%
Magnesiumt	1852157.5	11.35	mg/L	0.038	3797	mg/kg	12.6	0.33%
Iront	643805.7	41.82	mg/L	0.219	13990	mg/kg	73.1	0.52%
Calciumt	1727466.8	13.13	mg/L	0.078	4391	mg/kg	26.2	0.60%
Potassiumt	688651.8	4.430	mg/L	0.0368	1482	mg/kg	12.3	0.83%
Aluminum radialt	77561.0	35.69	mg/L	0.890	11940	mg/kg	297.7	2.49%
Calcium radialt	49583.3	13.60	mg/L	0.322	4550	mg/kg	107.7	2.37%
Iron radialt	13306.4	43.64	mg/L	1.105	14590	mg/kg	369.6	2.53%
Magnesium radialt	48709.8	11.16	mg/L	0.280	3732	mg/kg	93.7	2.51%
Sodium radialt	82022.0	20.30	mg/L	0.445	6788	mg/kg	148.7	2.19%
Potassium radialt	4920.1	4.211	mg/L	0.1661	1409	mg/kg	55.6	3.94%
Strontium radialt	216039.9	0.4435	mg/L	0.00970	148.3	mg/kg	3.24	2.19%

Sequence No.: 87
Sample ID: L0024441-01A
Analyst:
Initial Sample Wt: 1 g
Dilution: 5X

Autosampler Location: 219
Date Collected: 1/9/2013 6:15:28 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024441-01A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024441-01A

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium	668505.5	112.3	%	1.93				1.72%
Aluminumt	1823773.6	29.13	mg/L	0.093	7282	mg/kg	23.2	0.32%
Antimonyt	-40.0	-0.0832	mg/L	0.00536	-20.79	mg/kg	1.339	6.44%
Arsenict	-38.8	-0.0282	mg/L	0.00990	-7.055	mg/kg	2.4741	35.07%
Bariumt	11306.1	0.6020	mg/L	0.00777	150.5	mg/kg	1.94	1.29%
Berylliumt	6380.5	0.0029	mg/L	0.00004	0.7185	mg/kg	0.01035	1.44%
Boront	332.1	0.0148	mg/L	0.00151	3.707	mg/kg	0.3772	10.17%
Cadmiumt	8.6	0.0017	mg/L	0.00250	0.4138	mg/kg	0.62498	151.02%
Chromiumt	1794.9	0.0371	mg/L	0.00053	9.265	mg/kg	0.1327	1.43%
Cobaltt	59.0	0.0136	mg/L	0.00212	3.398	mg/kg	0.5310	15.63%
Coppert	493.2	0.0418	mg/L	0.00178	10.44	mg/kg	0.444	4.25%
Lithiumt	306573.4	0.0255	mg/L	0.00021	6.367	mg/kg	0.0527	0.83%
Manganeset	2009354.7	6.188	mg/L	0.0126	1547	mg/kg	3.2	0.20%
Molybdenumt	46.4	0.0109	mg/L	0.00353	2.714	mg/kg	0.8817	32.49%
Nickelt	135.5	0.0312	mg/L	0.00185	7.806	mg/kg	0.4633	5.94%
Leadt	26.5	0.0304	mg/L	0.01430	7.590	mg/kg	3.5750	47.10%
Seleniumt	48.9	0.1061	mg/L	0.01083	26.53	mg/kg	2.708	10.21%
Silvert	2135.6	0.0009	mg/L	0.00131	0.2319	mg/kg	0.32768	141.31%
Strontiumt	16111626.1	1.030	mg/L	0.0192	257.6	mg/kg	4.80	1.87%
Tint	12.9	-0.0061	mg/L	0.00226	-1.535	mg/kg	0.5638	36.72%
Thalliumt	-110.5	-0.1009	mg/L	0.00772	-25.22	mg/kg	1.930	7.65%
Titaniumt	86784.0	0.2291	mg/L	0.02393	57.27	mg/kg	5.984	10.45%
Vanadiumt	5519.4	0.0894	mg/L	0.00359	22.35	mg/kg	0.898	4.02%
Zinct	489.0	0.0745	mg/L	0.00135	18.62	mg/kg	0.337	1.81%
Argon	4431871.8	96.80	mg/L	0.578	24200	mg/kg	144.5	0.60%
Sodiumt	4590885.5	13.17	mg/L	0.264	3294	mg/kg	66.0	2.00%
Magnesiumt	10564243.6	64.75	mg/L	1.245	16190	mg/kg	311.3	1.92%
Iront	474179.1	30.80	mg/L	0.055	7701	mg/kg	13.8	0.18%
Calciumt	75801853.1	576.5	mg/L	12.76	144100	mg/kg	3190.4	2.21%
Potassiumt	673664.2	4.336	mg/L	0.0183	1084	mg/kg	4.6	0.42%
Aluminum radialt	66578.5	30.64	mg/L	0.482	7660	mg/kg	120.6	1.57%
Calcium radialt	2284387.3	626.6	mg/L	5.79	156700	mg/kg	1448.7	0.92%
Iron radialt	9997.1	32.79	mg/L	0.530	8197	mg/kg	132.6	1.62%
Magnesium radialt	271302.6	62.11	mg/L	0.571	15530	mg/kg	142.8	0.92%
Sodium radialt	39198.4	9.701	mg/L	0.1088	2425	mg/kg	27.2	1.12%
Potassium radialt	3774.8	3.239	mg/L	0.0750	809.9	mg/kg	18.75	2.32%
Strontium radialt	554755.0	1.139	mg/L	0.0095	284.8	mg/kg	2.36	0.83%

Sequence No.: 88
Sample ID: L0024441-02A
Analyst:
Initial Sample Wt: 1 g
Dilution: 5X

Autosampler Location: 220
Date Collected: 1/9/2013 6:17:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol: 50 mL

Nebulizer Parameters: L0024441-02A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024441-02A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	660457.6	111.0	%	1.51				1.36%
Aluminumt	1806844.5	28.86	mg/L	0.924	7215	mg/kg	231.1	3.20%
Antimonyt	-38.0	-0.0790	mg/L	0.01099	-19.75	mg/kg	2.747	13.91%
Arsenict	-43.9	-0.0379	mg/L	0.00658	-9.487	mg/kg	1.6455	17.34%
Bariumt	11288.1	0.6011	mg/L	0.02357	150.3	mg/kg	5.89	3.92%
Berylliumt	6356.5	0.0029	mg/L	0.00018	0.7153	mg/kg	0.04483	6.27%
Boront	354.0	0.0164	mg/L	0.00178	4.095	mg/kg	0.4453	10.87%
Cadmiumt	0.8	0.0001	mg/L	0.00031	0.0135	mg/kg	0.07827	581.79%
Chromiumt	1856.7	0.0384	mg/L	0.00074	9.596	mg/kg	0.1858	1.94%
Cobaltt	59.8	0.0138	mg/L	0.00185	3.460	mg/kg	0.4628	13.38%
Coppert	563.4	0.0410	mg/L	0.00098	10.25	mg/kg	0.244	2.38%
Lithiumt	304814.7	0.0253	mg/L	0.00073	6.328	mg/kg	0.1817	2.87%
Manganeset	2008691.7	6.186	mg/L	0.1690	1547	mg/kg	42.2	2.73%
Molybdenumt	33.8	0.0075	mg/L	0.00079	1.865	mg/kg	0.1971	10.57%
Nickelt	136.1	0.0313	mg/L	0.00132	7.823	mg/kg	0.3305	4.23%
Leadt	30.3	0.0355	mg/L	0.00427	8.874	mg/kg	1.0672	12.03%
Seleniumt	42.0	0.0926	mg/L	0.01838	23.14	mg/kg	4.594	19.85%
Silvert	2219.9	0.0026	mg/L	0.00119	0.6449	mg/kg	0.29682	46.03%
Strontiumt	16019566.3	1.025	mg/L	0.0234	256.3	mg/kg	5.84	2.28%
Tint	23.5	0.0018	mg/L	0.00910	0.4539	mg/kg	2.27574	501.32%
Thalliumt	-112.5	-0.1028	mg/L	0.01365	-25.69	mg/kg	3.411	13.28%
Titaniumt	79048.8	0.2086	mg/L	0.01095	52.14	mg/kg	2.737	5.25%
Vanadiumt	5497.7	0.0893	mg/L	0.00195	22.32	mg/kg	0.487	2.18%
Zinct	492.0	0.0749	mg/L	0.00323	18.74	mg/kg	0.808	4.31%
Argon	4428133.1	96.72	mg/L	0.262	24180	mg/kg	65.5	0.27%
Sodiumt	4602588.9	13.21	mg/L	0.338	3302	mg/kg	84.6	2.56%
Magnesiumt	10543208.9	64.62	mg/L	1.375	16150	mg/kg	343.8	2.13%
Iront	473841.0	30.78	mg/L	0.830	7696	mg/kg	207.6	2.70%
Calciumt	75446256.0	573.8	mg/L	10.49	143400	mg/kg	2621.4	1.83%
Potassiumt	655659.9	4.223	mg/L	0.1537	1056	mg/kg	38.4	3.64%
Aluminum radialt	62816.9	28.91	mg/L	0.284	7227	mg/kg	71.0	0.98%
Calcium radialt	2180139.2	598.0	mg/L	14.76	149500	mg/kg	3689.4	2.47%
Iron radialt	9482.3	31.10	mg/L	0.427	7775	mg/kg	106.8	1.37%
Magnesium radialt	258933.0	59.28	mg/L	1.232	14820	mg/kg	307.9	2.08%
Sodium radialt	37210.1	9.209	mg/L	0.1170	2302	mg/kg	29.3	1.27%
Potassium radialt	3483.4	2.992	mg/L	0.0439	748.0	mg/kg	10.97	1.47%
Strontium radialt	528972.9	1.086	mg/L	0.0242	271.5	mg/kg	6.06	2.23%

Sequence No.: 89
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/9/2013 6:20:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	588354.6	98.86	%	1.570				1.59%
Aluminumt	33617.1	0.5364	mg/L	0.01305	0.5364	mg/L	0.01305	2.43%
QC value within limits for Aluminum Recovery = 107.27%								
Antimonyt	202.4	0.4866	mg/L	0.01109	0.4866	mg/L	0.01109	2.28%
QC value within limits for Antimony Recovery = 97.31%								
Arsenict	327.9	0.4974	mg/L	0.01087	0.4974	mg/L	0.01087	2.19%
QC value within limits for Arsenic Recovery = 99.47%								
Bariumt	9461.3	0.5049	mg/L	0.01167	0.5049	mg/L	0.01167	2.31%
QC value within limits for Barium Recovery = 100.98%								
Berylliumt	940713.5	0.5032	mg/L	0.00162	0.5032	mg/L	0.00162	0.32%
QC value within limits for Beryllium Recovery = 100.64%								
Boront	8608.2	0.5043	mg/L	0.01205	0.5043	mg/L	0.01205	2.39%
QC value within limits for Boron Recovery = 100.85%								
Cadmiumt	2216.5	0.4899	mg/L	0.01024	0.4899	mg/L	0.01024	2.09%
QC value within limits for Cadmium Recovery = 97.98%								
Chromiumt	23570.8	0.5029	mg/L	0.01303	0.5029	mg/L	0.01303	2.59%
QC value within limits for Chromium Recovery = 100.58%								
Cobaltt	1935.4	0.5028	mg/L	0.01072	0.5028	mg/L	0.01072	2.13%
QC value within limits for Cobalt Recovery = 100.56%								
Coppert	39956.3	0.5080	mg/L	0.01214	0.5080	mg/L	0.01214	2.39%
QC value within limits for Copper Recovery = 101.59%								
Lithiumt	5566936.7	0.4951	mg/L	0.01397	0.4951	mg/L	0.01397	2.82%
QC value within limits for Lithium Recovery = 99.02%								
Manganeset	165037.3	0.5073	mg/L	0.01036	0.5073	mg/L	0.01036	2.04%
QC value within limits for Manganese Recovery = 101.46%								
Molybdenumt	1827.6	0.4953	mg/L	0.01059	0.4953	mg/L	0.01059	2.14%
QC value within limits for Molybdenum Recovery = 99.07%								
Nickelt	2154.1	0.5014	mg/L	0.00836	0.5014	mg/L	0.00836	1.67%
QC value within limits for Nickel Recovery = 100.28%								
Leadt	368.8	0.4980	mg/L	0.01208	0.4980	mg/L	0.01208	2.43%
QC value within limits for Lead Recovery = 99.60%								
Seleniumt	253.0	0.4874	mg/L	0.00783	0.4874	mg/L	0.00783	1.61%
QC value within limits for Selenium Recovery = 97.49%								
Silvert	53683.6	0.5119	mg/L	0.01112	0.5119	mg/L	0.01112	2.17%
QC value within limits for Silver Recovery = 102.38%								
Strontiumt	3851113.9	0.2493	mg/L	0.00674	0.2493	mg/L	0.00674	2.70%
QC value within limits for Strontium Recovery = 99.72%								
Tint	711.3	0.4862	mg/L	0.01617	0.4862	mg/L	0.01617	3.33%
QC value within limits for Tin Recovery = 97.24%								
Thalliumt	520.9	0.4915	mg/L	0.01195	0.4915	mg/L	0.01195	2.43%
QC value within limits for Thallium Recovery = 98.30%								
Titaniumt	190965.6	0.5054	mg/L	0.00088	0.5054	mg/L	0.00088	0.17%
QC value within limits for Titanium Recovery = 101.08%								
Vanadiumt	28369.9	0.5014	mg/L	0.00987	0.5014	mg/L	0.00987	1.97%
QC value within limits for Vanadium Recovery = 100.28%								
Zinct	3207.0	0.4966	mg/L	0.00988	0.4966	mg/L	0.00988	1.99%
QC value within limits for Zinc Recovery = 99.32%								
Argon	4565670.3	99.73	mg/L	0.123	99.73	mg/L	0.123	0.12%
Sodiumt	1754453.7	5.089	mg/L	0.1328	5.089	mg/L	0.1328	2.61%
QC value within limits for Sodium Recovery = 101.78%								
Magnesiumt	83313.3	0.5107	mg/L	0.01075	0.5107	mg/L	0.01075	2.10%
QC value within limits for Magnesium Recovery = 102.14%								
Iront	7867.2	0.5101	mg/L	0.01263	0.5101	mg/L	0.01263	2.48%
QC value within limits for Iron Recovery = 102.01%								
Calciumt	70108.9	0.5259	mg/L	0.01525	0.5259	mg/L	0.01525	2.90%

QC value within limits for Calcium Recovery = 105.18%

Potassium†	710104.0	4.565 mg/L	0.0362	4.565 mg/L	0.0362	0.79%

QC value within limits for Potassium Recovery = 91.29%

Aluminum radial†	1159.9	0.5522 mg/L	0.02163	0.5522 mg/L	0.02163	3.92%

QC value greater than the upper limit for Aluminum radial Recovery = 110.44%

Calcium radial†	1978.7	0.5467 mg/L	0.00367	0.5467 mg/L	0.00367	0.67%

QC value within limits for Calcium radial Recovery = 109.34%

Iron radial†	157.6	0.5328 mg/L	0.00713	0.5328 mg/L	0.00713	1.34%

QC value within limits for Iron radial Recovery = 106.56%

Magnesium radial†	2247.9	0.5238 mg/L	0.00963	0.5238 mg/L	0.00963	1.84%

QC value within limits for Magnesium radial Recovery = 104.75%

Sodium radial†	20462.5	5.066 mg/L	0.1096	5.066 mg/L	0.1096	2.16%

QC value within limits for Sodium radial Recovery = 101.31%

Potassium radial†	5876.2	5.023 mg/L	0.0889	5.023 mg/L	0.0889	1.77%

QC value within limits for Potassium radial Recovery = 100.46%

Strontium radial†	124228.8	0.2550 mg/L	0.00488	0.2550 mg/L	0.00488	1.91%

QC value within limits for Strontium radial Recovery = 102.01%

QC Failed. Continue with analysis.

Sequence No.: 90
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/9/2013 6:23:25 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	581206.1	97.65	%	1.254				1.28%
Aluminumt	2.2	-0.0005	mg/L	0.00241	-0.0005	mg/L	0.00241	441.68%
QC value within limits for Aluminum Recovery = Not calculated								
Antimonyt	-2.1	-0.0025	mg/L	0.00648	-0.0025	mg/L	0.00648	259.63%
QC value within limits for Antimony Recovery = Not calculated								
Arsenict	-1.8	-0.0048	mg/L	0.00170	-0.0048	mg/L	0.00170	35.25%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	-10.7	-0.0011	mg/L	0.00026	-0.0011	mg/L	0.00026	23.14%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	-124.1	-0.0006	mg/L	0.00004	-0.0006	mg/L	0.00004	5.97%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	4.2	0.0009	mg/L	0.00087	0.0009	mg/L	0.00087	97.07%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	-2.3	-0.0020	mg/L	0.00101	-0.0020	mg/L	0.00101	49.69%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	11.4	-0.0011	mg/L	0.00068	-0.0011	mg/L	0.00068	62.63%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	-5.0	-0.0027	mg/L	0.00079	-0.0027	mg/L	0.00079	29.73%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	61.0	-0.0004	mg/L	0.00158	-0.0004	mg/L	0.00158	397.05%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	183.2	-0.0019	mg/L	0.00001	-0.0019	mg/L	0.00001	0.52%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	97.3	-0.0008	mg/L	0.00001	-0.0008	mg/L	0.00001	0.99%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-6.2	-0.0031	mg/L	0.00142	-0.0031	mg/L	0.00142	46.41%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	7.6	0.0000	mg/L	0.00122	0.0000	mg/L	0.00122	>999.9%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	5.2	0.0003	mg/L	0.00348	0.0003	mg/L	0.00348	>999.9%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	-4.0	-0.0020	mg/L	0.00598	-0.0020	mg/L	0.00598	294.44%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	19.5	-0.0012	mg/L	0.00093	-0.0012	mg/L	0.00093	75.89%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	495.9	-0.0010	mg/L	0.00000	-0.0010	mg/L	0.00000	0.38%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-3.0	-0.0009	mg/L	0.00988	-0.0009	mg/L	0.00988	>999.9%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-2.0	0.0009	mg/L	0.00611	0.0009	mg/L	0.00611	649.55%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	-25.8	-0.0012	mg/L	0.00017	-0.0012	mg/L	0.00017	14.56%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	-427.7	-0.0069	mg/L	0.00071	-0.0069	mg/L	0.00071	10.25%
QC value within limits for Vanadium Recovery = Not calculated								
Zinct	11.0	0.0002	mg/L	0.00106	0.0002	mg/L	0.00106	444.73%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4569137.3	99.80	mg/L	0.097	99.80	mg/L	0.097	0.10%
Sodiumt	2328.2	0.0941	mg/L	0.00030	0.0941	mg/L	0.00030	0.32%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	170.9	0.0011	mg/L	0.00022	0.0011	mg/L	0.00022	19.80%
QC value within limits for Magnesium Recovery = Not calculated								
Iront	10.4	-0.0003	mg/L	0.00056	-0.0003	mg/L	0.00056	164.11%
QC value within limits for Iron Recovery = Not calculated								
Calciumt	2072.3	0.0084	mg/L	0.00081	0.0084	mg/L	0.00081	9.62%

QC value within limits for Calcium Recovery = Not calculated

Potassium†	182.0	0.1160 mg/L	0.00078	0.1160 mg/L	0.00078	0.67%

QC value within limits for Potassium Recovery = Not calculated

Aluminum radial†	-1.1	0.0183 mg/L	0.01315	0.0183 mg/L	0.01315	71.98%

QC value within limits for Aluminum radial Recovery = Not calculated

Calcium radial†	84.8	0.0272 mg/L	0.00323	0.0272 mg/L	0.00323	11.88%

QC value within limits for Calcium radial Recovery = Not calculated

Iron radial†	-2.8	0.0072 mg/L	0.01135	0.0072 mg/L	0.01135	156.61%

QC value within limits for Iron radial Recovery = Not calculated

Magnesium radial†	12.4	0.0121 mg/L	0.00219	0.0121 mg/L	0.00219	18.13%

QC value within limits for Magnesium radial Recovery = Not calculated

Sodium radial†	16.2	0.0069 mg/L	0.00719	0.0069 mg/L	0.00719	103.75%

QC value within limits for Sodium radial Recovery = Not calculated

Potassium radial†	-37.9	0.0037 mg/L	0.00209	0.0037 mg/L	0.00209	56.54%

QC value within limits for Potassium radial Recovery = Not calculated

Strontium radial†	7.5	0.0000 mg/L	0.00000	0.0000 mg/L	0.00000	11.95%

QC value within limits for Strontium radial Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 91
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 1/9/2013 6:26:39 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	549664.3	92.35	%	0.627				0.68%
Aluminumt	30832204.2	492.5	mg/L	5.38	492.5	mg/L	5.38	1.09%
Antimonyt	-60.3	0.0382	mg/L	0.02201	0.0382	mg/L	0.02201	57.68%
QC value within limits for Antimony Recovery = Not calculated								
Arsenict	3.3	-0.0164	mg/L	0.00618	-0.0164	mg/L	0.00618	37.69%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	289.5	-0.0069	mg/L	0.00031	-0.0069	mg/L	0.00031	4.52%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	1496.9	0.0003	mg/L	0.00005	0.0003	mg/L	0.00005	19.93%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	630.6	-0.0405	mg/L	0.00337	-0.0405	mg/L	0.00337	8.32%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	29.1	0.0049	mg/L	0.00276	0.0049	mg/L	0.00276	56.04%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	127.4	0.0014	mg/L	0.00076	0.0014	mg/L	0.00076	54.96%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	35.3	0.0078	mg/L	0.00066	0.0078	mg/L	0.00066	8.46%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	-2149.8	0.0001	mg/L	0.00187	0.0001	mg/L	0.00187	>999.9%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	1731.0	-0.0017	mg/L	0.00002	-0.0017	mg/L	0.00002	0.88%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	3078.9	0.0084	mg/L	0.00009	0.0084	mg/L	0.00009	1.11%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-36.2	-0.0166	mg/L	0.00401	-0.0166	mg/L	0.00401	24.12%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	-52.8	0.0058	mg/L	0.00046	0.0058	mg/L	0.00046	7.84%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	-13.6	-0.0111	mg/L	0.00624	-0.0111	mg/L	0.00624	56.39%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	-81.9	-0.0399	mg/L	0.00705	-0.0399	mg/L	0.00705	17.66%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	1962.2	0.0036	mg/L	0.00137	0.0036	mg/L	0.00137	38.35%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	31176.3	-0.0117	mg/L	0.00020	-0.0117	mg/L	0.00020	1.73%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-2.5	-0.0131	mg/L	0.00481	-0.0131	mg/L	0.00481	36.66%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-50.4	-0.0445	mg/L	0.00626	-0.0445	mg/L	0.00626	14.07%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	4603.9	0.0111	mg/L	0.00024	0.0111	mg/L	0.00024	2.16%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	7157.0	0.0342	mg/L	0.00258	0.0342	mg/L	0.00258	7.53%
QC value within limits for Vanadium Recovery = Not calculated								
Zinct	56.7	0.0073	mg/L	0.00289	0.0073	mg/L	0.00289	39.38%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4280176.9	93.49	mg/L	0.274	93.49	mg/L	0.274	0.29%
Sodiumt	15953.7	0.1330	mg/L	0.00156	0.1330	mg/L	0.00156	1.17%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	54207878.1	332.2	mg/L	1.65	332.2	mg/L	1.65	0.50%
Iront	5709125.7	370.9	mg/L	1.10	370.9	mg/L	1.10	0.30%
Calciumt	58827968.7	447.4	mg/L	4.29	447.4	mg/L	4.29	0.96%
Potassiumt	4053.5	0.1403	mg/L	0.00188	0.1403	mg/L	0.00188	1.34%
Aluminum radialt	1091808.1	502.2	mg/L	4.48	502.2	mg/L	4.48	0.89%
QC value within limits for Aluminum radial Recovery = 100.43%								

Calcium radial†	1788402.8	490.6 mg/L	7.41	490.6 mg/L	7.41	1.51%
QC value within limits for Calcium radial Recovery = 98.11%							
Iron radial†	148328.6	486.3 mg/L	5.63	486.3 mg/L	5.63	1.16%
QC value within limits for Iron radial Recovery = 97.25%							
Magnesium radial†	2058956.3	471.3 mg/L	4.37	471.3 mg/L	4.37	0.93%
QC value within limits for Magnesium radial Recovery = 94.26%							
Sodium radial†	6.0	0.0044 mg/L	0.02601	0.0044 mg/L	0.02601	588.99%
QC value within limits for Sodium radial Recovery = Not calculated							
Potassium radial†	-115.1	-0.0618 mg/L	0.01584	-0.0618 mg/L	0.01584	25.62%
QC value within limits for Potassium radial Recovery = Not calculated							
Strontium radial†	958.3	0.0019 mg/L	0.00006	0.0019 mg/L	0.00006	3.26%
QC value within limits for Strontium radial Recovery = Not calculated							

All analyte(s) passed QC.

Sequence No.: 92
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 1/9/2013 6:29:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	537683.9	90.34	%	0.446				0.49%
Aluminumt	31798545.7	507.9	mg/L	3.70	507.9	mg/L	3.70	0.73%
Antimonyt	4103.3	10.13	mg/L	0.056	10.13	mg/L	0.056	0.55%
QC value within limits for Antimony Recovery = 101.25%								
Arsenict	6775.7	10.26	mg/L	0.026	10.26	mg/L	0.026	0.25%
QC value within limits for Arsenic Recovery = 102.59%								
Bariumt	55007.1	2.916	mg/L	0.0145	2.916	mg/L	0.0145	0.50%
QC value within limits for Barium Recovery = 97.21%								
Berylliumt	1942854.8	1.040	mg/L	0.0089	1.040	mg/L	0.0089	0.86%
QC value within limits for Beryllium Recovery = 103.98%								
Boront	90271.4	5.204	mg/L	0.0506	5.204	mg/L	0.0506	0.97%
QC value within limits for Boron Recovery = 104.08%								
Cadmiumt	14492.7	3.064	mg/L	0.0105	3.064	mg/L	0.0105	0.34%
QC value within limits for Cadmium Recovery = 102.12%								
Chromiumt	133920.2	2.863	mg/L	0.0212	2.863	mg/L	0.0212	0.74%
QC value within limits for Chromium Recovery = 95.45%								
Cobaltt	10436.8	2.703	mg/L	0.0036	2.703	mg/L	0.0036	0.13%
QC value within limits for Cobalt Recovery = 90.09%								
Coppert	238513.6	3.067	mg/L	0.0227	3.067	mg/L	0.0227	0.74%
QC value within limits for Copper Recovery = 102.22%								
Lithiumt	2082.5	-0.0017	mg/L	0.00002	-0.0017	mg/L	0.00002	0.94%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	623739.0	1.920	mg/L	0.0134	1.920	mg/L	0.0134	0.70%
QC value within limits for Manganese Recovery = 96.01%								
Molybdenumt	10642.2	2.886	mg/L	0.0109	2.886	mg/L	0.0109	0.38%
QC value within limits for Molybdenum Recovery = 96.19%								
Nickelt	11467.8	2.697	mg/L	0.0028	2.697	mg/L	0.0028	0.10%
QC value within limits for Nickel Recovery = 89.90%								
Leadt	6627.7	9.081	mg/L	0.0070	9.081	mg/L	0.0070	0.08%
QC value within limits for Lead Recovery = 90.81%								
Seleniumt	2553.7	4.980	mg/L	0.0195	4.980	mg/L	0.0195	0.39%
QC value within limits for Selenium Recovery = 99.60%								
Silvert	338134.2	3.217	mg/L	0.0275	3.217	mg/L	0.0275	0.86%
QC value within limits for Silver Recovery = 107.22%								
Strontiumt	7642962.7	0.4832	mg/L	0.00346	0.4832	mg/L	0.00346	0.72%
QC value within limits for Strontium Recovery = 96.63%								
Tint	679.7	0.4521	mg/L	0.00582	0.4521	mg/L	0.00582	1.29%
QC value within limits for Tin Recovery = 90.42%								
Thalliumt	9308.4	8.736	mg/L	0.0493	8.736	mg/L	0.0493	0.56%
QC value within limits for Thallium Recovery = 87.36%								
Titaniumt	3771832.2	10.00	mg/L	0.081	10.00	mg/L	0.081	0.81%
QC value within limits for Titanium Recovery = 100.04%								
Vanadiumt	177045.3	3.033	mg/L	0.0265	3.033	mg/L	0.0265	0.87%
QC value within limits for Vanadium Recovery = 101.09%								
Zinct	17113.9	2.656	mg/L	0.0115	2.656	mg/L	0.0115	0.43%
QC value within limits for Zinc Recovery = 88.54%								
Argon	4291262.3	93.73	mg/L	0.416	93.73	mg/L	0.416	0.44%
Sodiumt	29322979.2	83.68	mg/L	0.468	83.68	mg/L	0.468	0.56%
Magnesiumt	55912036.6	342.7	mg/L	2.30	342.7	mg/L	2.30	0.67%
Iront	5831776.5	378.9	mg/L	3.53	378.9	mg/L	3.53	0.93%
Calciumt	60669688.3	461.4	mg/L	4.08	461.4	mg/L	4.08	0.88%
Potassiumt	51138043.6	320.6	mg/L	2.30	320.6	mg/L	2.30	0.72%
Aluminum radialt	1121544.5	515.8	mg/L	6.94	515.8	mg/L	6.94	1.34%
QC value within limits for Aluminum radial Recovery = 103.17%								
Calcium radialt	1793290.5	491.9	mg/L	6.04	491.9	mg/L	6.04	1.23%

QC value within limits for Calcium radial Recovery = 98.38%						
Iron radial†	149607.1	490.5 mg/L	5.94	490.5 mg/L	5.94	1.21%
QC value within limits for Iron radial Recovery = 98.09%						
Magnesium radial†	2105165.1	481.9 mg/L	6.22	481.9 mg/L	6.22	1.29%
QC value within limits for Magnesium radial Recovery = 96.38%						
Sodium radial†	218382.7	54.03 mg/L	0.498	54.03 mg/L	0.498	0.92%
QC value within limits for Sodium radial Recovery = 108.07%						
Potassium radial†	272204.7	231.0 mg/L	2.32	231.0 mg/L	2.32	1.00%
QC value within limits for Potassium radial Recovery = 115.52%						
Strontium radial†	269123.5	0.5525 mg/L	0.00653	0.5525 mg/L	0.00653	1.18%
QC value within limits for Strontium radial Recovery = 110.51%						

All analyte(s) passed QC.

Sequence No.: 93
Sample ID: RINSE BLANK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 221
Date Collected: 1/9/2013 6:31:52 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: RINSE BLANK

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: RINSE BLANK

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	590198.3	99.17	%	2.130				2.15%
Aluminumt	2858.4	0.0451	mg/L	0.00608	0.0451	mg/L	0.00608	13.48%
Antimonyt	-2.1	-0.0024	mg/L	0.00479	-0.0024	mg/L	0.00479	201.00%
Arsenict	3.2	0.0027	mg/L	0.00237	0.0027	mg/L	0.00237	87.39%
Bariumt	39.0	0.0015	mg/L	0.00030	0.0015	mg/L	0.00030	19.61%
Berylliumt	-8.6	-0.0005	mg/L	0.00012	-0.0005	mg/L	0.00012	21.17%
Boront	72.9	0.0049	mg/L	0.00101	0.0049	mg/L	0.00101	20.64%
Cadmiumt	1.4	-0.0014	mg/L	0.00082	-0.0014	mg/L	0.00082	60.19%
Chromiumt	-1.2	-0.0014	mg/L	0.00018	-0.0014	mg/L	0.00018	13.51%
Cobaltt	-2.4	-0.0020	mg/L	0.00036	-0.0020	mg/L	0.00036	18.15%
Coppert	32.2	-0.0008	mg/L	0.00052	-0.0008	mg/L	0.00052	67.74%
Lithiumt	-71.0	-0.0019	mg/L	0.00003	-0.0019	mg/L	0.00003	1.60%
Manganeset	96.6	-0.0008	mg/L	0.00008	-0.0008	mg/L	0.00008	10.39%
Molybdenumt	-4.7	-0.0027	mg/L	0.00110	-0.0027	mg/L	0.00110	41.18%
Nickelt	0.9	-0.0016	mg/L	0.00149	-0.0016	mg/L	0.00149	95.73%
Leadt	0.2	-0.0065	mg/L	0.00725	-0.0065	mg/L	0.00725	110.78%
Seleniumt	2.9	0.0112	mg/L	0.00787	0.0112	mg/L	0.00787	70.35%
Silvert	102.9	-0.0004	mg/L	0.00079	-0.0004	mg/L	0.00079	190.98%
Strontiumt	354.2	-0.0010	mg/L	0.00003	-0.0010	mg/L	0.00003	2.51%
Tint	-7.5	-0.0039	mg/L	0.00137	-0.0039	mg/L	0.00137	34.93%
Thalliumt	4.6	0.0071	mg/L	0.00179	0.0071	mg/L	0.00179	25.03%
Titaniumt	539.8	0.0003	mg/L	0.00040	0.0003	mg/L	0.00040	131.79%
Vanadiumt	-313.7	-0.0049	mg/L	0.00138	-0.0049	mg/L	0.00138	27.93%
Zinct	19.6	0.0016	mg/L	0.00020	0.0016	mg/L	0.00020	12.36%
Argon	4579860.8	100.0	mg/L	0.21	100.0	mg/L	0.21	0.21%
Sodiumt	2303.5	0.0940	mg/L	0.00035	0.0940	mg/L	0.00035	0.37%
Magnesiumt	4578.6	0.0281	mg/L	0.00644	0.0281	mg/L	0.00644	22.88%
Iront	452.7	0.0284	mg/L	0.00305	0.0284	mg/L	0.00305	10.76%
Calciumt	4544.0	0.0272	mg/L	0.00794	0.0272	mg/L	0.00794	29.16%
Potassiumt	1287.7	0.1230	mg/L	0.00030	0.1230	mg/L	0.00030	0.24%
Aluminum radialt	105.3	0.0672	mg/L	0.01176	0.0672	mg/L	0.01176	17.50%
Calcium radialt	120.8	0.0371	mg/L	0.00767	0.0371	mg/L	0.00767	20.68%
Iron radialt	5.1	0.0331	mg/L	0.00951	0.0331	mg/L	0.00951	28.78%
Magnesium radialt	126.1	0.0381	mg/L	0.00183	0.0381	mg/L	0.00183	4.80%
Sodium radialt	62.8	0.0185	mg/L	0.00445	0.0185	mg/L	0.00445	24.08%
Potassium radialt	35.8	0.0663	mg/L	0.00768	0.0663	mg/L	0.00768	11.59%
Strontium radialt	-11.8	-0.0001	mg/L	0.00005	-0.0001	mg/L	0.00005	62.74%

Sequence No.: 94
Sample ID: RINSE BLANK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 222
Date Collected: 1/9/2013 6:35:09 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: RINSE BLANK

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: RINSE BLANK

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	590457.4	99.21	%	1.487				1.50%

Aluminumt	2019.2	0.0317 mg/L	0.00138	0.0317 mg/L	0.00138	4.35%
Antimonyt	-2.7	-0.0041 mg/L	0.00435	-0.0041 mg/L	0.00435	106.89%
Arsenict	0.6	-0.0012 mg/L	0.00578	-0.0012 mg/L	0.00578	469.48%
Bariumt	27.5	0.0009 mg/L	0.00027	0.0009 mg/L	0.00027	29.63%
Berylliumt	-44.3	-0.0006 mg/L	0.00007	-0.0006 mg/L	0.00007	13.14%
Boront	54.2	0.0038 mg/L	0.00058	0.0038 mg/L	0.00058	15.06%
Cadmiumt	-1.6	-0.0019 mg/L	0.00044	-0.0019 mg/L	0.00044	22.39%
Chromiumt	-8.4	-0.0015 mg/L	0.00038	-0.0015 mg/L	0.00038	25.06%
Cobaltt	-4.4	-0.0025 mg/L	0.00069	-0.0025 mg/L	0.00069	27.48%
Coppert	64.4	-0.0004 mg/L	0.00109	-0.0004 mg/L	0.00109	304.46%
Lithiumt	-0.9	-0.0019 mg/L	0.00001	-0.0019 mg/L	0.00001	0.61%
Manganeset	63.1	-0.0009 mg/L	0.00006	-0.0009 mg/L	0.00006	6.56%
Molybdenumt	-8.6	-0.0037 mg/L	0.00148	-0.0037 mg/L	0.00148	39.82%
Nickelt	7.9	0.0001 mg/L	0.00109	0.0001 mg/L	0.00109	>999.9%
Leadt	5.1	0.0001 mg/L	0.00580	0.0001 mg/L	0.00580	>999.9%
Seleniumt	0.1	0.0058 mg/L	0.00615	0.0058 mg/L	0.00615	105.64%
Silvert	12.4	-0.0013 mg/L	0.00068	-0.0013 mg/L	0.00068	53.35%
Strontiumt	207.9	-0.0010 mg/L	0.00001	-0.0010 mg/L	0.00001	0.89%
Tint	-6.0	-0.0029 mg/L	0.00582	-0.0029 mg/L	0.00582	198.66%
Thalliumt	-3.5	-0.0004 mg/L	0.01068	-0.0004 mg/L	0.01068	>999.9%
Titaniumt	247.5	-0.0005 mg/L	0.00034	-0.0005 mg/L	0.00034	72.08%
Vanadiumt	-351.0	-0.0056 mg/L	0.00039	-0.0056 mg/L	0.00039	7.04%
Zinct	20.5	0.0017 mg/L	0.00106	0.0017 mg/L	0.00106	61.76%
Argon	4594317.6	100.4 mg/L	0.19	100.4 mg/L	0.19	0.18%
Sodiumt	1706.5	0.0923 mg/L	0.00004	0.0923 mg/L	0.00004	0.04%
Magnesiumt	1933.3	0.0119 mg/L	0.00056	0.0119 mg/L	0.00056	4.70%
Iront	226.8	0.0137 mg/L	0.00045	0.0137 mg/L	0.00045	3.30%
Calciumt	1858.1	0.0068 mg/L	0.00063	0.0068 mg/L	0.00063	9.25%
Potassiumt	386.5	0.1173 mg/L	0.00078	0.1173 mg/L	0.00078	0.67%
Aluminum radialt	69.7	0.0508 mg/L	0.00172	0.0508 mg/L	0.00172	3.39%
Calcium radialt	56.3	0.0194 mg/L	0.00229	0.0194 mg/L	0.00229	11.83%
Iron radialt	3.3	0.0270 mg/L	0.00232	0.0270 mg/L	0.00232	8.60%
Magnesium radialt	60.6	0.0231 mg/L	0.00074	0.0231 mg/L	0.00074	3.19%
Sodium radialt	34.2	0.0114 mg/L	0.00926	0.0114 mg/L	0.00926	81.22%
Potassium radialt	14.9	0.0485 mg/L	0.02024	0.0485 mg/L	0.02024	41.70%
Strontium radialt	-15.7	-0.0001 mg/L	0.00003	-0.0001 mg/L	0.00003	34.35%

Sequence No.: 95
Sample ID: MBLK-117854
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 223
Date Collected: 1/9/2013 6:38:24 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: MBLK-117854

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: MBLK-117854

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	607664.4	102.1	%	1.21				1.18%
Aluminumt	465.3	0.0069	mg/L	0.00134	0.0685	mg/L	0.01345	19.63%
Antimonyt	-6.0	-0.0119	mg/L	0.00713	-0.1192	mg/L	0.07133	59.82%
Arsenict	3.4	0.0030	mg/L	0.00235	0.0305	mg/L	0.02348	77.09%
Bariumt	62.4	0.0028	mg/L	0.00042	0.0276	mg/L	0.00420	15.22%
Berylliumt	-268.4	-0.0007	mg/L	0.00009	-0.0069	mg/L	0.00095	13.79%
Boront	-1.1	0.0006	mg/L	0.00097	0.0059	mg/L	0.00972	164.87%
Cadmiumt	-5.0	-0.0028	mg/L	0.00124	-0.0280	mg/L	0.01236	44.20%
Chromiumt	-1.2	-0.0014	mg/L	0.00038	-0.0136	mg/L	0.00384	28.24%
Cobaltt	0.2	-0.0013	mg/L	0.00120	-0.0129	mg/L	0.01205	93.04%
Coppert	-70.1	-0.0021	mg/L	0.00028	-0.0207	mg/L	0.00285	13.76%
Lithiumt	-92.0	-0.0019	mg/L	0.00002	-0.0191	mg/L	0.00022	1.16%
Manganeset	-25.8	-0.0011	mg/L	0.00005	-0.0114	mg/L	0.00053	4.63%
Molybdenumt	-11.1	-0.0044	mg/L	0.00059	-0.0439	mg/L	0.00586	13.35%
Nickelt	-5.1	-0.0030	mg/L	0.00167	-0.0296	mg/L	0.01667	56.34%
Leadt	2.8	-0.0031	mg/L	0.00720	-0.0308	mg/L	0.07203	233.98%
Seleniumt	-3.2	-0.0005	mg/L	0.01553	-0.0053	mg/L	0.15528	>999.9%
Silvert	27.4	-0.0011	mg/L	0.00053	-0.0115	mg/L	0.00531	46.38%
Strontiumt	1668.7	-0.0010	mg/L	0.00001	-0.0096	mg/L	0.00007	0.69%
Tint	-0.4	0.0009	mg/L	0.00613	0.0092	mg/L	0.06128	669.31%
Thalliumt	12.0	0.0141	mg/L	0.00707	0.1411	mg/L	0.07072	50.12%
Titaniumt	-93.1	-0.0014	mg/L	0.00005	-0.0137	mg/L	0.00049	3.55%
Vanadiumt	-433.6	-0.0071	mg/L	0.00176	-0.0705	mg/L	0.01757	24.90%
Zinct	10.9	0.0002	mg/L	0.00010	0.0022	mg/L	0.00096	42.84%
Argon	4680450.6	102.2	mg/L	0.53	1022	mg/L	5.3	0.51%
Sodiumt	8745.0	0.1124	mg/L	0.00086	1.124	mg/L	0.0086	0.76%
Magnesiumt	1582.0	0.0098	mg/L	0.00068	0.0978	mg/L	0.00678	6.94%
Iront	100.6	0.0055	mg/L	0.00062	0.0552	mg/L	0.00617	11.17%
Calciumt	2751.5	0.0136	mg/L	0.00044	0.1361	mg/L	0.00440	3.23%
Potassiumt	434.1	0.1176	mg/L	0.00102	1.176	mg/L	0.0102	0.86%
Aluminum radialt	9.1	0.0229	mg/L	0.01223	0.2295	mg/L	0.12232	53.31%
Calcium radialt	104.0	0.0325	mg/L	0.00742	0.3246	mg/L	0.07422	22.86%
Iron radialt	-0.3	0.0155	mg/L	0.00654	0.1546	mg/L	0.06539	42.29%
Magnesium radialt	62.6	0.0235	mg/L	0.00405	0.2353	mg/L	0.04048	17.20%
Sodium radialt	140.3	0.0376	mg/L	0.00180	0.3765	mg/L	0.01799	4.78%
Potassium radialt	67.4	0.0931	mg/L	0.03458	0.9312	mg/L	0.34580	37.14%
Strontium radialt	47.6	0.0000	mg/L	0.00005	0.0004	mg/L	0.00051	113.32%

Sequence No.: 96
Sample ID: L0024320-08A
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 224
Date Collected: 1/9/2013 6:41:38 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024320-08A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024320-08A

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	587125.5	98.65	%	0.931				0.94%
Aluminumt	6604.7	0.1049	mg/L	0.00161	1.049	mg/L	0.0161	1.54%
Antimonyt	-7.5	-0.0158	mg/L	0.00518	-0.1577	mg/L	0.05180	32.84%
Arsenict	2.1	0.0011	mg/L	0.00678	0.0111	mg/L	0.06785	611.61%
Bariumt	1620.2	0.0860	mg/L	0.00143	0.8599	mg/L	0.01431	1.66%
Berylliumt	-39.7	-0.0006	mg/L	0.00007	-0.0056	mg/L	0.00068	12.10%
Boront	290.4	0.0176	mg/L	0.00139	0.1764	mg/L	0.01393	7.90%
Cadmiumt	2.3	-0.0011	mg/L	0.00144	-0.0109	mg/L	0.01441	132.55%
Chromiumt	28.9	-0.0007	mg/L	0.00043	-0.0072	mg/L	0.00431	60.08%
Cobaltt	31.0	0.0067	mg/L	0.00088	0.0672	mg/L	0.00885	13.16%
Coppert	37.8	-0.0005	mg/L	0.00052	-0.0047	mg/L	0.00524	111.84%
Lithiumt	7268.4	-0.0013	mg/L	0.00001	-0.0125	mg/L	0.00012	0.99%
Manganeset	536103.1	1.650	mg/L	0.0071	16.50	mg/L	0.071	0.43%
Molybdenumt	-5.8	-0.0030	mg/L	0.00028	-0.0296	mg/L	0.00282	9.51%
Nickelt	14.2	0.0016	mg/L	0.00083	0.0156	mg/L	0.00832	53.48%
Leadt	7.5	0.0035	mg/L	0.00337	0.0346	mg/L	0.03369	97.48%
Seleniumt	-2.0	0.0018	mg/L	0.01236	0.0182	mg/L	0.12358	679.72%
Silvert	111.5	-0.0004	mg/L	0.00140	-0.0043	mg/L	0.01399	324.91%
Strontiumt	915665.2	0.0584	mg/L	0.00026	0.5837	mg/L	0.00257	0.44%
Tint	-4.0	-0.0017	mg/L	0.00179	-0.0165	mg/L	0.01786	107.91%
Thalliumt	-13.0	-0.0093	mg/L	0.00825	-0.0933	mg/L	0.08249	88.39%
Titaniumt	1785.6	0.0036	mg/L	0.00120	0.0361	mg/L	0.01197	33.17%
Vanadiumt	-193.2	-0.0029	mg/L	0.00070	-0.0291	mg/L	0.00700	24.03%
Zinct	188.9	0.0279	mg/L	0.00094	0.2787	mg/L	0.00940	3.37%
Argon	4598306.6	100.4	mg/L	0.16	1004	mg/L	1.6	0.16%
Sodiumt	3533338.8	10.16	mg/L	0.174	101.6	mg/L	1.74	1.72%
Magnesiumt	288084.7	1.766	mg/L	0.0078	17.66	mg/L	0.078	0.44%
Iront	611.0	0.0387	mg/L	0.00022	0.3868	mg/L	0.00218	0.56%
Calciumt	505502.4	3.837	mg/L	0.0227	38.37	mg/L	0.227	0.59%
Potassiumt	55117.0	0.4603	mg/L	0.00213	4.603	mg/L	0.0213	0.46%
Aluminum radialt	201.3	0.1114	mg/L	0.02477	1.114	mg/L	0.2477	22.24%
Calcium radialt	14167.5	3.890	mg/L	0.1479	38.90	mg/L	1.479	3.80%
Iron radialt	9.9	0.0487	mg/L	0.01038	0.4866	mg/L	0.10380	21.33%
Magnesium radialt	7679.5	1.767	mg/L	0.0213	17.67	mg/L	0.213	1.20%
Sodium radialt	40829.1	10.10	mg/L	0.342	101.0	mg/L	3.42	3.39%
Potassium radialt	384.9	0.3626	mg/L	0.09287	3.626	mg/L	0.9287	25.61%
Strontium radialt	29289.7	0.0601	mg/L	0.00230	0.6009	mg/L	0.02299	3.83%

Sequence No.: 97
Sample ID: L0024320-08ADUP
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 225
Date Collected: 1/9/2013 6:44:29 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024320-08ADUP

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024320-08ADUP

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	583403.7	98.02	%	1.354				1.38%
Aluminumt	6455.4	0.1025	mg/L	0.00065	1.025	mg/L	0.0065	0.64%
Antimonyt	-3.1	-0.0049	mg/L	0.00559	-0.0494	mg/L	0.05586	113.16%
Arsenict	-5.3	-0.0101	mg/L	0.00292	-0.1008	mg/L	0.02925	29.00%
Bariumt	1575.4	0.0836	mg/L	0.00116	0.8360	mg/L	0.01159	1.39%
Berylliumt	-13.9	-0.0005	mg/L	0.00005	-0.0055	mg/L	0.00047	8.55%
Boront	266.9	0.0163	mg/L	0.00129	0.1627	mg/L	0.01293	7.94%
Cadmiumt	0.6	-0.0012	mg/L	0.00092	-0.0123	mg/L	0.00918	74.78%
Chromiumt	40.3	-0.0005	mg/L	0.00011	-0.0047	mg/L	0.00115	24.37%
Cobaltt	35.2	0.0078	mg/L	0.00212	0.0784	mg/L	0.02118	27.01%
Coppert	8.9	-0.0008	mg/L	0.00188	-0.0084	mg/L	0.01876	222.62%
Lithiumt	6955.7	-0.0013	mg/L	0.00001	-0.0128	mg/L	0.00007	0.55%
Manganeset	521070.9	1.604	mg/L	0.0029	16.04	mg/L	0.029	0.18%
Molybdenumt	-5.3	-0.0028	mg/L	0.00103	-0.0281	mg/L	0.01027	36.50%
Nickelt	11.0	0.0008	mg/L	0.00181	0.0081	mg/L	0.01814	223.59%
Leadt	0.4	-0.0063	mg/L	0.00407	-0.0630	mg/L	0.04069	64.60%
Seleniumt	2.1	0.0096	mg/L	0.01528	0.0964	mg/L	0.15275	158.50%
Silvert	43.3	-0.0011	mg/L	0.00105	-0.0107	mg/L	0.01050	97.91%
Strontiumt	887260.3	0.0565	mg/L	0.00009	0.5652	mg/L	0.00091	0.16%
Tint	-4.4	-0.0019	mg/L	0.00605	-0.0190	mg/L	0.06052	319.08%
Thalliumt	-12.2	-0.0086	mg/L	0.00679	-0.0863	mg/L	0.06789	78.68%
Titaniumt	2137.5	0.0045	mg/L	0.00136	0.0454	mg/L	0.01356	29.86%
Vanadiumt	-164.3	-0.0024	mg/L	0.00159	-0.0240	mg/L	0.01594	66.45%
Zinct	188.5	0.0278	mg/L	0.00088	0.2780	mg/L	0.00875	3.15%
Argon	4615240.9	100.8	mg/L	0.32	1008	mg/L	3.2	0.31%
Sodiumt	3461014.2	9.954	mg/L	0.1864	99.54	mg/L	1.864	1.87%
Magnesiumt	279139.1	1.711	mg/L	0.0052	17.11	mg/L	0.052	0.30%
Iront	598.0	0.0378	mg/L	0.00092	0.3783	mg/L	0.00920	2.43%
Calciumt	490972.3	3.727	mg/L	0.0029	37.27	mg/L	0.029	0.08%
Potassiumt	53213.7	0.4484	mg/L	0.00232	4.484	mg/L	0.0232	0.52%
Aluminum radialt	206.5	0.1137	mg/L	0.02848	1.137	mg/L	0.2848	25.05%
Calcium radialt	13817.5	3.794	mg/L	0.1206	37.94	mg/L	1.206	3.18%
Iron radialt	7.9	0.0421	mg/L	0.00545	0.4210	mg/L	0.05452	12.95%
Magnesium radialt	7520.8	1.731	mg/L	0.0344	17.31	mg/L	0.344	1.98%
Sodium radialt	40092.6	9.922	mg/L	0.2762	99.22	mg/L	2.762	2.78%
Potassium radialt	325.6	0.3122	mg/L	0.13525	3.122	mg/L	1.3525	43.32%
Strontium radialt	28647.1	0.0588	mg/L	0.00180	0.5877	mg/L	0.01799	3.06%

Sequence No.: 98
Sample ID: L0024320-01A
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 226
Date Collected: 1/9/2013 6:47:20 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024320-01A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024320-01A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	584225.1	98.16	%	2.134				2.17%
Aluminumt	87315.3	1.394	mg/L	0.0093	13.94	mg/L	0.093	0.66%
Antimonyt	-1.1	0.0002	mg/L	0.01167	0.0022	mg/L	0.11673	>999.9%
Arsenict	-0.0	-0.0021	mg/L	0.00444	-0.0208	mg/L	0.04444	213.49%
Bariumt	1418.1	0.0752	mg/L	0.00222	0.7516	mg/L	0.02218	2.95%
Berylliumt	-27.4	-0.0006	mg/L	0.00010	-0.0056	mg/L	0.00099	17.83%
Boront	312.4	0.0188	mg/L	0.00186	0.1882	mg/L	0.01856	9.86%
Cadmiumt	1.0	-0.0013	mg/L	0.00022	-0.0134	mg/L	0.00215	16.02%
Chromiumt	53.4	-0.0002	mg/L	0.00023	-0.0019	mg/L	0.00226	117.95%
Cobaltt	6.1	0.0001	mg/L	0.00049	0.0010	mg/L	0.00492	482.07%
Coppert	60.9	-0.0003	mg/L	0.00204	-0.0035	mg/L	0.02035	588.57%
Lithiumt	15858.1	-0.0005	mg/L	0.00001	-0.0049	mg/L	0.00007	1.48%
Manganeset	33306.4	0.1015	mg/L	0.00220	1.015	mg/L	0.0220	2.17%
Molybdenumt	-5.4	-0.0029	mg/L	0.00124	-0.0286	mg/L	0.01243	43.44%
Nickelt	14.5	0.0017	mg/L	0.00235	0.0165	mg/L	0.02354	142.43%
Leadt	7.3	0.0032	mg/L	0.00572	0.0323	mg/L	0.05724	177.47%
Seleniumt	-6.1	-0.0058	mg/L	0.01112	-0.0582	mg/L	0.11118	190.89%
Silvert	165.0	0.0002	mg/L	0.00027	0.0018	mg/L	0.00269	152.58%
Strontiumt	306609.8	0.0188	mg/L	0.00009	0.1885	mg/L	0.00091	0.48%
Tint	-0.6	0.0008	mg/L	0.00317	0.0076	mg/L	0.03169	416.78%
Thalliumt	-7.0	-0.0038	mg/L	0.00421	-0.0376	mg/L	0.04215	111.96%
Titaniumt	24109.4	0.0628	mg/L	0.00361	0.6282	mg/L	0.03609	5.74%
Vanadiumt	-107.5	-0.0014	mg/L	0.00135	-0.0145	mg/L	0.01352	93.42%
Zinct	157.8	0.0230	mg/L	0.00154	0.2304	mg/L	0.01543	6.70%
Argon	4604179.4	100.6	mg/L	0.60	1006	mg/L	6.0	0.60%
Sodiumt	633511.4	1.893	mg/L	0.0065	18.93	mg/L	0.065	0.34%
Magnesiumt	102005.0	0.6253	mg/L	0.01404	6.253	mg/L	0.1404	2.25%
Iront	11460.4	0.7435	mg/L	0.02377	7.435	mg/L	0.2377	3.20%
Calciumt	122980.8	0.9280	mg/L	0.02347	9.280	mg/L	0.2347	2.53%
Potassiumt	66880.0	0.5340	mg/L	0.00194	5.340	mg/L	0.0194	0.36%
Aluminum radialt	3022.5	1.409	mg/L	0.0185	14.09	mg/L	0.185	1.31%
Calcium radialt	3501.3	0.9644	mg/L	0.02853	9.644	mg/L	0.2853	2.96%
Iron radialt	230.6	0.7722	mg/L	0.02092	7.722	mg/L	0.2092	2.71%
Magnesium radialt	2834.5	0.6580	mg/L	0.01948	6.580	mg/L	0.1948	2.96%
Sodium radialt	8147.5	2.019	mg/L	0.0504	20.19	mg/L	0.504	2.50%
Potassium radialt	521.4	0.4784	mg/L	0.11251	4.784	mg/L	1.1251	23.52%
Strontium radialt	9847.1	0.0202	mg/L	0.00061	0.2017	mg/L	0.00606	3.01%

Sequence No.: 99
Sample ID: L0024320-02A
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 227
Date Collected: 1/9/2013 6:50:10 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024320-02A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024320-02A

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	592796.8	99.60	%	1.513				1.52%
Aluminumt	217194.8	3.469	mg/L	0.0422	34.69	mg/L	0.422	1.22%
Antimonyt	-4.8	-0.0085	mg/L	0.00571	-0.0854	mg/L	0.05714	66.91%
Arsenict	0.6	-0.0010	mg/L	0.00301	-0.0101	mg/L	0.03005	298.93%
Bariumt	2193.8	0.1165	mg/L	0.00259	1.165	mg/L	0.0259	2.22%
Berylliumt	-43.2	-0.0006	mg/L	0.00012	-0.0057	mg/L	0.00125	22.08%
Boront	617.0	0.0365	mg/L	0.00093	0.3646	mg/L	0.00927	2.54%
Cadmiumt	2.2	-0.0011	mg/L	0.00089	-0.0110	mg/L	0.00892	81.27%
Chromiumt	159.5	0.0021	mg/L	0.00019	0.0208	mg/L	0.00190	9.14%
Cobaltt	4.4	-0.0005	mg/L	0.00111	-0.0046	mg/L	0.01106	239.23%
Coppert	112.6	0.0003	mg/L	0.00151	0.0029	mg/L	0.01507	519.14%
Lithiumt	21570.9	0.0000	mg/L	0.00003	0.0002	mg/L	0.00028	118.84%
Manganeset	9142.9	0.0271	mg/L	0.00061	0.2710	mg/L	0.00606	2.24%
Molybdenumt	-6.9	-0.0033	mg/L	0.00056	-0.0329	mg/L	0.00562	17.10%
Nickelt	14.0	0.0016	mg/L	0.00115	0.0158	mg/L	0.01154	73.22%
Leadt	8.2	0.0044	mg/L	0.00867	0.0441	mg/L	0.08673	196.68%
Seleniumt	1.7	0.0092	mg/L	0.02413	0.0921	mg/L	0.24132	262.07%
Silvert	78.6	-0.0006	mg/L	0.00057	-0.0062	mg/L	0.00569	91.63%
Strontiumt	195993.5	0.0117	mg/L	0.00001	0.1166	mg/L	0.00008	0.07%
Tint	-7.7	-0.0041	mg/L	0.00229	-0.0410	mg/L	0.02292	55.87%
Thalliumt	-5.4	-0.0022	mg/L	0.00563	-0.0221	mg/L	0.05633	254.67%
Titaniumt	50711.9	0.1334	mg/L	0.00457	1.334	mg/L	0.0457	3.42%
Vanadiumt	-23.7	-0.0001	mg/L	0.00182	-0.0012	mg/L	0.01819	>999.9%
Zinct	300.4	0.0452	mg/L	0.00126	0.4519	mg/L	0.01257	2.78%
Argon	4613146.8	100.8	mg/L	0.35	1008	mg/L	3.5	0.35%
Sodiumt	1661783.1	4.825	mg/L	0.0246	48.25	mg/L	0.246	0.51%
Magnesiumt	73091.9	0.4480	mg/L	0.00629	4.480	mg/L	0.0629	1.40%
Iront	27838.8	1.808	mg/L	0.0411	18.08	mg/L	0.411	2.27%
Calciumt	73733.2	0.5534	mg/L	0.00579	5.534	mg/L	0.0579	1.05%
Potassiumt	48470.1	0.4186	mg/L	0.00319	4.186	mg/L	0.0319	0.76%
Aluminum radialt	7645.6	3.535	mg/L	0.0620	35.35	mg/L	0.620	1.75%
Calcium radialt	2076.7	0.5736	mg/L	0.01275	5.736	mg/L	0.1275	2.22%
Iron radialt	568.4	1.880	mg/L	0.0610	18.80	mg/L	0.610	3.25%
Magnesium radialt	2034.5	0.4749	mg/L	0.01068	4.749	mg/L	0.1068	2.25%
Sodium radialt	19853.0	4.915	mg/L	0.0938	49.15	mg/L	0.938	1.91%
Potassium radialt	324.2	0.3110	mg/L	0.04585	3.110	mg/L	0.4585	14.74%
Strontium radialt	6326.8	0.0129	mg/L	0.00038	0.1294	mg/L	0.00378	2.92%

Sequence No.: 100
Sample ID: L0024320-03A
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 228
Date Collected: 1/9/2013 6:53:00 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024320-03A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024320-03A

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	596483.6	100.2	%	0.30				0.30%
Aluminumt	105111.7	1.678	mg/L	0.0033	16.78	mg/L	0.033	0.20%
Antimonyt	-7.9	-0.0163	mg/L	0.01676	-0.1627	mg/L	0.16761	103.05%
Arsenict	1.0	-0.0005	mg/L	0.00476	-0.0051	mg/L	0.04759	937.22%
Bariumt	2000.4	0.1063	mg/L	0.00087	1.063	mg/L	0.0087	0.82%
Berylliumt	-139.0	-0.0006	mg/L	0.00005	-0.0062	mg/L	0.00051	8.30%
Boront	526.9	0.0314	mg/L	0.00059	0.3137	mg/L	0.00589	1.88%
Cadmiumt	-1.0	-0.0018	mg/L	0.00109	-0.0182	mg/L	0.01086	59.51%
Chromiumt	57.1	-0.0001	mg/L	0.00042	-0.0011	mg/L	0.00422	369.55%
Cobaltt	1.4	-0.0011	mg/L	0.00079	-0.0115	mg/L	0.00793	69.23%
Coppert	25.7	-0.0008	mg/L	0.00139	-0.0079	mg/L	0.01389	174.96%
Lithiumt	15568.4	-0.0005	mg/L	0.00001	-0.0051	mg/L	0.00014	2.70%
Manganeset	21994.5	0.0667	mg/L	0.00118	0.6669	mg/L	0.01178	1.77%
Molybdenumt	-9.5	-0.0040	mg/L	0.00054	-0.0397	mg/L	0.00540	13.61%
Nickelt	9.3	0.0004	mg/L	0.00124	0.0044	mg/L	0.01243	279.55%
Leadt	-2.8	-0.0107	mg/L	0.00752	-0.1072	mg/L	0.07522	70.20%
Seleniumt	-4.4	-0.0026	mg/L	0.02238	-0.0259	mg/L	0.22384	863.53%
Silvert	28.5	-0.0011	mg/L	0.00067	-0.0112	mg/L	0.00674	59.90%
Strontiumt	272420.5	0.0166	mg/L	0.00002	0.1662	mg/L	0.00021	0.12%
Tint	1.9	0.0025	mg/L	0.00408	0.0247	mg/L	0.04077	165.27%
Thalliumt	8.1	0.0104	mg/L	0.00579	0.1037	mg/L	0.05792	55.84%
Titaniumt	28136.1	0.0735	mg/L	0.00239	0.7350	mg/L	0.02386	3.25%
Vanadiumt	-140.4	-0.0020	mg/L	0.00061	-0.0202	mg/L	0.00607	29.97%
Zinct	356.9	0.0540	mg/L	0.00152	0.5396	mg/L	0.01519	2.81%
Argon	4608677.9	100.7	mg/L	0.22	1007	mg/L	2.2	0.22%
Sodiumt	580777.2	1.743	mg/L	0.0109	17.43	mg/L	0.109	0.63%
Magnesiumt	91160.2	0.5588	mg/L	0.00796	5.588	mg/L	0.0796	1.42%
Iront	11858.0	0.7693	mg/L	0.02048	7.693	mg/L	0.2048	2.66%
Calciumt	126086.2	0.9516	mg/L	0.01516	9.516	mg/L	0.1516	1.59%
Potassiumt	73408.9	0.5749	mg/L	0.00075	5.749	mg/L	0.0075	0.13%
Aluminum radialt	3439.5	1.601	mg/L	0.0307	16.01	mg/L	0.307	1.92%
Calcium radialt	3498.5	0.9636	mg/L	0.00133	9.636	mg/L	0.0133	0.14%
Iron radialt	230.4	0.7716	mg/L	0.01233	7.716	mg/L	0.1233	1.60%
Magnesium radialt	2471.5	0.5749	mg/L	0.00266	5.749	mg/L	0.0266	0.46%
Sodium radialt	7272.0	1.802	mg/L	0.0450	18.02	mg/L	0.450	2.49%
Potassium radialt	674.6	0.6084	mg/L	0.02916	6.084	mg/L	0.2916	4.79%
Strontium radialt	8524.7	0.0175	mg/L	0.00038	0.1745	mg/L	0.00379	2.17%

Sequence No.: 101
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/9/2013 6:55:50 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	591831.9	99.44	%	0.518				0.52%
Aluminumt	33533.2	0.5350	mg/L	0.00569	0.5350	mg/L	0.00569	1.06%
QC value within limits for Aluminum Recovery = 107.01%								
Antimonyt	202.2	0.4862	mg/L	0.01895	0.4862	mg/L	0.01895	3.90%
QC value within limits for Antimony Recovery = 97.23%								
Arsenict	334.6	0.5075	mg/L	0.00453	0.5075	mg/L	0.00453	0.89%
QC value within limits for Arsenic Recovery = 101.50%								
Bariumt	9394.7	0.5013	mg/L	0.00568	0.5013	mg/L	0.00568	1.13%
QC value within limits for Barium Recovery = 100.27%								
Berylliumt	937066.1	0.5012	mg/L	0.00141	0.5012	mg/L	0.00141	0.28%
QC value within limits for Beryllium Recovery = 100.24%								
Boront	8563.0	0.5016	mg/L	0.00623	0.5016	mg/L	0.00623	1.24%
QC value within limits for Boron Recovery = 100.32%								
Cadmiumt	2219.0	0.4902	mg/L	0.00542	0.4902	mg/L	0.00542	1.11%
QC value within limits for Cadmium Recovery = 98.04%								
Chromiumt	23375.7	0.4987	mg/L	0.00434	0.4987	mg/L	0.00434	0.87%
QC value within limits for Chromium Recovery = 99.74%								
Cobaltt	1931.9	0.5019	mg/L	0.00514	0.5019	mg/L	0.00514	1.02%
QC value within limits for Cobalt Recovery = 100.39%								
Coppert	39479.1	0.5019	mg/L	0.00467	0.5019	mg/L	0.00467	0.93%
QC value within limits for Copper Recovery = 100.38%								
Lithiumt	5591424.9	0.4973	mg/L	0.00827	0.4973	mg/L	0.00827	1.66%
QC value within limits for Lithium Recovery = 99.46%								
Manganeset	162786.3	0.5004	mg/L	0.00510	0.5004	mg/L	0.00510	1.02%
QC value within limits for Manganese Recovery = 100.08%								
Molybdenumt	1827.4	0.4953	mg/L	0.00080	0.4953	mg/L	0.00080	0.16%
QC value within limits for Molybdenum Recovery = 99.06%								
Nickelt	2148.5	0.5001	mg/L	0.00372	0.5001	mg/L	0.00372	0.74%
QC value within limits for Nickel Recovery = 100.02%								
Leadt	362.0	0.4888	mg/L	0.00465	0.4888	mg/L	0.00465	0.95%
QC value within limits for Lead Recovery = 97.76%								
Seleniumt	256.4	0.4939	mg/L	0.00972	0.4939	mg/L	0.00972	1.97%
QC value within limits for Selenium Recovery = 98.79%								
Silvert	53166.7	0.5069	mg/L	0.00294	0.5069	mg/L	0.00294	0.58%
QC value within limits for Silver Recovery = 101.39%								
Strontiumt	3875031.3	0.2509	mg/L	0.00423	0.2509	mg/L	0.00423	1.69%
QC value within limits for Strontium Recovery = 100.34%								
Tint	719.8	0.4920	mg/L	0.00386	0.4920	mg/L	0.00386	0.79%
QC value within limits for Tin Recovery = 98.41%								
Thalliumt	515.5	0.4864	mg/L	0.00883	0.4864	mg/L	0.00883	1.82%
QC value within limits for Thallium Recovery = 97.29%								
Titaniumt	189624.1	0.5019	mg/L	0.00149	0.5019	mg/L	0.00149	0.30%
QC value within limits for Titanium Recovery = 100.37%								
Vanadiumt	27877.9	0.4927	mg/L	0.00604	0.4927	mg/L	0.00604	1.23%
QC value within limits for Vanadium Recovery = 98.54%								
Zinct	3184.4	0.4931	mg/L	0.00440	0.4931	mg/L	0.00440	0.89%
QC value within limits for Zinc Recovery = 98.61%								
Argon	4607887.2	100.6	mg/L	0.31	100.6	mg/L	0.31	0.31%
Sodiumt	1756780.8	5.095	mg/L	0.0759	5.095	mg/L	0.0759	1.49%
QC value within limits for Sodium Recovery = 101.91%								
Magnesiumt	81822.6	0.5016	mg/L	0.00425	0.5016	mg/L	0.00425	0.85%
QC value within limits for Magnesium Recovery = 100.31%								
Iront	7785.8	0.5048	mg/L	0.00807	0.5048	mg/L	0.00807	1.60%
QC value within limits for Iron Recovery = 100.96%								
Calciumt	65964.4	0.4944	mg/L	0.00615	0.4944	mg/L	0.00615	1.24%

QC value within limits for Calcium Recovery = 98.87%

Potassium†	704275.7	4.528 mg/L	0.0203	4.528 mg/L	0.0203	0.45%

QC value within limits for Potassium Recovery = 90.56%

Aluminum radial†	1136.2	0.5413 mg/L	0.02079	0.5413 mg/L	0.02079	3.84%

QC value within limits for Aluminum radial Recovery = 108.26%

Calcium radial†	1856.7	0.5132 mg/L	0.00191	0.5132 mg/L	0.00191	0.37%

QC value within limits for Calcium radial Recovery = 102.65%

Iron radial†	152.0	0.5147 mg/L	0.00887	0.5147 mg/L	0.00887	1.72%

QC value within limits for Iron radial Recovery = 102.94%

Magnesium radial†	2225.0	0.5185 mg/L	0.00094	0.5185 mg/L	0.00094	0.18%

QC value within limits for Magnesium radial Recovery = 103.71%

Sodium radial†	20341.9	5.036 mg/L	0.0549	5.036 mg/L	0.0549	1.09%

QC value within limits for Sodium radial Recovery = 100.71%

Potassium radial†	5794.7	4.954 mg/L	0.0542	4.954 mg/L	0.0542	1.09%

QC value within limits for Potassium radial Recovery = 99.07%

Strontium radial†	123061.4	0.2526 mg/L	0.00214	0.2526 mg/L	0.00214	0.85%

QC value within limits for Strontium radial Recovery = 101.05%

All analyte(s) passed QC.

Sequence No.: 102
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/9/2013 6:58:45 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	577792.5	97.08	%	0.887				0.91%
Aluminumt	119.8	0.0013	mg/L	0.00079	0.0013	mg/L	0.00079	59.27%
QC value within limits for Aluminum Recovery = Not calculated								
Antimonyt	2.3	0.0081	mg/L	0.00424	0.0081	mg/L	0.00424	52.07%
QC value within limits for Antimony Recovery = Not calculated								
Arsenict	6.5	0.0077	mg/L	0.00726	0.0077	mg/L	0.00726	93.70%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	-2.0	-0.0007	mg/L	0.00012	-0.0007	mg/L	0.00012	17.18%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	-15.1	-0.0006	mg/L	0.00014	-0.0006	mg/L	0.00014	25.58%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	8.2	0.0011	mg/L	0.00033	0.0011	mg/L	0.00033	28.94%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	1.6	-0.0014	mg/L	0.00198	-0.0014	mg/L	0.00198	138.94%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	26.3	-0.0008	mg/L	0.00017	-0.0008	mg/L	0.00017	21.44%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	0.9	-0.0011	mg/L	0.00102	-0.0011	mg/L	0.00102	90.74%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	105.4	0.0002	mg/L	0.00133	0.0002	mg/L	0.00133	799.80%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	42.9	-0.0019	mg/L	0.00002	-0.0019	mg/L	0.00002	1.07%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	67.8	-0.0009	mg/L	0.00003	-0.0009	mg/L	0.00003	3.21%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-11.1	-0.0044	mg/L	0.00043	-0.0044	mg/L	0.00043	9.79%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	-3.5	-0.0026	mg/L	0.00075	-0.0026	mg/L	0.00075	29.04%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	2.6	-0.0033	mg/L	0.00580	-0.0033	mg/L	0.00580	174.78%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	-7.2	-0.0082	mg/L	0.00906	-0.0082	mg/L	0.00906	110.87%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	-12.8	-0.0015	mg/L	0.00096	-0.0015	mg/L	0.00096	63.75%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	386.5	-0.0010	mg/L	0.00001	-0.0010	mg/L	0.00001	0.53%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-7.8	-0.0041	mg/L	0.00464	-0.0041	mg/L	0.00464	112.42%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-0.6	0.0023	mg/L	0.00874	0.0023	mg/L	0.00874	383.95%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	6.1	-0.0011	mg/L	0.00013	-0.0011	mg/L	0.00013	11.41%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	-314.5	-0.0050	mg/L	0.00091	-0.0050	mg/L	0.00091	18.44%
QC value within limits for Vanadium Recovery = Not calculated								
Zinct	15.8	0.0010	mg/L	0.00092	0.0010	mg/L	0.00092	93.82%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4611132.7	100.7	mg/L	0.21	100.7	mg/L	0.21	0.21%
Sodiumt	1060.8	0.0905	mg/L	0.00065	0.0905	mg/L	0.00065	0.71%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	16.0	0.0002	mg/L	0.00020	0.0002	mg/L	0.00020	109.85%
QC value within limits for Magnesium Recovery = Not calculated								
Iront	16.5	0.0001	mg/L	0.00023	0.0001	mg/L	0.00023	430.66%
QC value within limits for Iron Recovery = Not calculated								
Calciumt	274.9	-0.0052	mg/L	0.00063	-0.0052	mg/L	0.00063	11.98%

QC value within limits for Calcium Recovery = Not calculated

Potassium†	3.0	0.1149 mg/L	0.00093	0.1149 mg/L	0.00093	0.81%

QC value within limits for Potassium Recovery = Not calculated

Aluminum radial†	5.5	0.0213 mg/L	0.00320	0.0213 mg/L	0.00320	15.04%

QC value within limits for Aluminum radial Recovery = Not calculated

Calcium radial†	26.4	0.0112 mg/L	0.00284	0.0112 mg/L	0.00284	25.42%

QC value within limits for Calcium radial Recovery = Not calculated

Iron radial†	-2.5	0.0082 mg/L	0.00874	0.0082 mg/L	0.00874	107.09%

QC value within limits for Iron radial Recovery = Not calculated

Magnesium radial†	6.4	0.0107 mg/L	0.00084	0.0107 mg/L	0.00084	7.91%

QC value within limits for Magnesium radial Recovery = Not calculated

Sodium radial†	13.6	0.0063 mg/L	0.00474	0.0063 mg/L	0.00474	75.16%

QC value within limits for Sodium radial Recovery = Not calculated

Potassium radial†	-2.8	0.0335 mg/L	0.00704	0.0335 mg/L	0.00704	21.02%

QC value within limits for Potassium radial Recovery = Not calculated

Strontium radial†	0.1	-0.0001 mg/L	0.00003	-0.0001 mg/L	0.00003	64.39%

QC value within limits for Strontium radial Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 103
Sample ID: L0024320-04A
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 229
Date Collected: 1/9/2013 7:01:59 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024320-04A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024320-04A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	590575.9	99.23	%	1.079				1.09%
Aluminumt	85304.2	1.362	mg/L	0.0114	13.62	mg/L	0.114	0.84%
Antimonyt	-0.9	0.0006	mg/L	0.00633	0.0063	mg/L	0.06335	>999.9%
Arsenict	1.3	-0.0002	mg/L	0.01039	-0.0015	mg/L	0.10389	>999.9%
Bariumt	1595.4	0.0846	mg/L	0.00184	0.8463	mg/L	0.01839	2.17%
Berylliumt	-161.7	-0.0006	mg/L	0.00004	-0.0063	mg/L	0.00042	6.70%
Boront	490.9	0.0293	mg/L	0.00156	0.2927	mg/L	0.01557	5.32%
Cadmiumt	-4.0	-0.0025	mg/L	0.00074	-0.0251	mg/L	0.00743	29.56%
Chromiumt	46.6	-0.0003	mg/L	0.00045	-0.0034	mg/L	0.00454	133.98%
Cobaltt	4.6	-0.0003	mg/L	0.00107	-0.0027	mg/L	0.01073	400.08%
Coppert	99.3	0.0001	mg/L	0.00019	0.0013	mg/L	0.00191	142.07%
Lithiumt	17281.0	-0.0004	mg/L	0.00001	-0.0036	mg/L	0.00013	3.65%
Manganeset	33149.4	0.1011	mg/L	0.00038	1.011	mg/L	0.0038	0.38%
Molybdenumt	-15.9	-0.0057	mg/L	0.00140	-0.0570	mg/L	0.01401	24.57%
Nickelt	8.8	0.0003	mg/L	0.00053	0.0031	mg/L	0.00530	170.26%
Leadt	5.9	0.0012	mg/L	0.00565	0.0122	mg/L	0.05650	462.78%
Seleniumt	2.4	0.0104	mg/L	0.00557	0.1035	mg/L	0.05568	53.77%
Silvert	44.2	-0.0010	mg/L	0.00206	-0.0099	mg/L	0.02062	208.09%
Strontiumt	257330.7	0.0156	mg/L	0.00010	0.1565	mg/L	0.00100	0.64%
Tint	-3.0	-0.0009	mg/L	0.00457	-0.0087	mg/L	0.04567	522.57%
Thalliumt	-4.1	-0.0010	mg/L	0.00983	-0.0099	mg/L	0.09834	992.14%
Titaniumt	24076.8	0.0627	mg/L	0.00594	0.6274	mg/L	0.05944	9.48%
Vanadiumt	-292.2	-0.0047	mg/L	0.00141	-0.0469	mg/L	0.01406	29.98%
Zinct	255.4	0.0382	mg/L	0.00087	0.3820	mg/L	0.00866	2.27%
Argon	4593527.9	100.3	mg/L	0.21	1003	mg/L	2.1	0.20%
Sodiumt	285929.3	0.9026	mg/L	0.00405	9.026	mg/L	0.0405	0.45%
Magnesiumt	83143.7	0.5097	mg/L	0.00157	5.097	mg/L	0.0157	0.31%
Iront	10495.2	0.6808	mg/L	0.00365	6.808	mg/L	0.0365	0.54%
Calciumt	103018.3	0.7762	mg/L	0.00027	7.762	mg/L	0.0027	0.03%
Potassiumt	52432.3	0.4435	mg/L	0.00173	4.435	mg/L	0.0173	0.39%
Aluminum radialt	2924.6	1.364	mg/L	0.0344	13.64	mg/L	0.344	2.52%
Calcium radialt	2894.2	0.7978	mg/L	0.01439	7.978	mg/L	0.1439	1.80%
Iron radialt	208.4	0.6995	mg/L	0.00493	6.995	mg/L	0.0493	0.71%
Magnesium radialt	2291.7	0.5338	mg/L	0.01139	5.338	mg/L	0.1139	2.13%
Sodium radialt	3692.3	0.9164	mg/L	0.02432	9.164	mg/L	0.2432	2.65%
Potassium radialt	540.9	0.4950	mg/L	0.03884	4.950	mg/L	0.3884	7.85%
Strontium radialt	8128.2	0.0166	mg/L	0.00029	0.1664	mg/L	0.00293	1.76%

Sequence No.: 104
Sample ID: L0024320-05A
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 230
Date Collected: 1/9/2013 7:05:16 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024320-05A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024320-05A

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	596681.4	100.3	%	1.27				1.27%
Aluminumt	148866.4	2.377	mg/L	0.0010	23.77	mg/L	0.010	0.04%
Antimonyt	-6.7	-0.0134	mg/L	0.00785	-0.1339	mg/L	0.07848	58.60%
Arsenict	1.4	0.0002	mg/L	0.00895	0.0022	mg/L	0.08946	>999.9%
Bariumt	1794.8	0.0953	mg/L	0.00185	0.9527	mg/L	0.01849	1.94%
Berylliumt	-57.0	-0.0006	mg/L	0.00004	-0.0057	mg/L	0.00043	7.51%
Boront	540.5	0.0321	mg/L	0.00062	0.3209	mg/L	0.00615	1.92%
Cadmiumt	-1.4	-0.0019	mg/L	0.00109	-0.0193	mg/L	0.01089	56.43%
Chromiumt	106.1	0.0009	mg/L	0.00029	0.0093	mg/L	0.00294	31.50%
Cobaltt	7.0	0.0003	mg/L	0.00123	0.0026	mg/L	0.01231	481.35%
Coppert	74.9	-0.0002	mg/L	0.00085	-0.0020	mg/L	0.00850	418.61%
Lithiumt	18320.7	-0.0003	mg/L	0.00002	-0.0027	mg/L	0.00018	6.68%
Manganeset	8160.3	0.0241	mg/L	0.00003	0.2408	mg/L	0.00034	0.14%
Molybdenumt	-7.1	-0.0033	mg/L	0.00056	-0.0334	mg/L	0.00560	16.79%
Nickelt	7.0	-0.0001	mg/L	0.00223	-0.0008	mg/L	0.02232	>999.9%
Leadt	3.3	-0.0022	mg/L	0.00162	-0.0221	mg/L	0.01618	73.20%
Seleniumt	6.4	0.0180	mg/L	0.01791	0.1801	mg/L	0.17905	99.41%
Silvert	50.2	-0.0009	mg/L	0.00156	-0.0090	mg/L	0.01559	173.41%
Strontiumt	142795.1	0.0082	mg/L	0.00011	0.0821	mg/L	0.00114	1.39%
Tint	-3.7	-0.0014	mg/L	0.00270	-0.0137	mg/L	0.02701	196.83%
Thalliumt	-0.6	0.0022	mg/L	0.00945	0.0223	mg/L	0.09450	423.16%
Titaniumt	40925.4	0.1074	mg/L	0.00463	1.074	mg/L	0.0463	4.31%
Vanadiumt	-129.8	-0.0019	mg/L	0.00210	-0.0189	mg/L	0.02098	111.28%
Zinct	272.8	0.0409	mg/L	0.00045	0.4089	mg/L	0.00448	1.10%
Argon	4605689.0	100.6	mg/L	0.23	1006	mg/L	2.3	0.23%
Sodiumt	729326.0	2.167	mg/L	0.0044	21.67	mg/L	0.044	0.20%
Magnesiumt	48312.6	0.2962	mg/L	0.00307	2.962	mg/L	0.0307	1.04%
Iront	18095.2	1.175	mg/L	0.0127	11.75	mg/L	0.127	1.08%
Calciumt	44543.7	0.3315	mg/L	0.00255	3.315	mg/L	0.0255	0.77%
Potassiumt	39819.3	0.3644	mg/L	0.00073	3.644	mg/L	0.0073	0.20%
Aluminum radialt	5071.1	2.351	mg/L	0.0660	23.51	mg/L	0.660	2.81%
Calcium radialt	1257.8	0.3490	mg/L	0.00517	3.490	mg/L	0.0517	1.48%
Iron radialt	355.7	1.182	mg/L	0.0203	11.82	mg/L	0.203	1.72%
Magnesium radialt	1329.6	0.3136	mg/L	0.00784	3.136	mg/L	0.0784	2.50%
Sodium radialt	9207.8	2.281	mg/L	0.0614	22.81	mg/L	0.614	2.69%
Potassium radialt	389.1	0.3661	mg/L	0.07870	3.661	mg/L	0.7870	21.50%
Strontium radialt	4521.8	0.0092	mg/L	0.00031	0.0923	mg/L	0.00313	3.39%

Sequence No.: 105
Sample ID: L0024320-06A
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 231
Date Collected: 1/9/2013 7:08:06 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024320-06A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024320-06A

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium	594658.8	99.91	%	1.385				1.39%
Aluminumt	15948.9	0.2542	mg/L	0.00703	2.542	mg/L	0.0703	2.77%
Antimonyt	-6.8	-0.0138	mg/L	0.00305	-0.1384	mg/L	0.03046	22.01%
Arsenict	-3.4	-0.0073	mg/L	0.00703	-0.0728	mg/L	0.07032	96.59%
Bariumt	2307.0	0.1227	mg/L	0.00167	1.227	mg/L	0.0167	1.36%
Berylliumt	-6.3	-0.0005	mg/L	0.00003	-0.0055	mg/L	0.00031	5.63%
Boront	295.5	0.0179	mg/L	0.00084	0.1792	mg/L	0.00843	4.71%
Cadmiumt	3.8	-0.0006	mg/L	0.00060	-0.0058	mg/L	0.00599	102.53%
Chromiumt	22.7	-0.0008	mg/L	0.00039	-0.0085	mg/L	0.00393	46.25%
Cobaltt	22.8	0.0046	mg/L	0.00115	0.0458	mg/L	0.01145	24.98%
Coppert	-15.2	-0.0012	mg/L	0.00131	-0.0123	mg/L	0.01308	106.53%
Lithiumt	6790.0	-0.0013	mg/L	0.00001	-0.0130	mg/L	0.00009	0.70%
Manganeset	197145.1	0.6062	mg/L	0.00278	6.062	mg/L	0.0278	0.46%
Molybdenumt	-1.4	-0.0018	mg/L	0.00154	-0.0176	mg/L	0.01538	87.47%
Nickelt	22.6	0.0035	mg/L	0.00107	0.0352	mg/L	0.01071	30.40%
Leadt	2.3	-0.0037	mg/L	0.00700	-0.0367	mg/L	0.06995	190.48%
Seleniumt	8.4	0.0217	mg/L	0.01653	0.2169	mg/L	0.16530	76.21%
Silvert	105.9	-0.0005	mg/L	0.00079	-0.0045	mg/L	0.00792	175.45%
Strontiumt	986619.8	0.0630	mg/L	0.00028	0.6302	mg/L	0.00283	0.45%
Tint	-8.7	-0.0048	mg/L	0.00473	-0.0479	mg/L	0.04730	98.85%
Thalliumt	-11.8	-0.0082	mg/L	0.00607	-0.0821	mg/L	0.06066	73.89%
Titaniumt	3959.8	0.0094	mg/L	0.00042	0.0938	mg/L	0.00423	4.51%
Vanadiumt	-270.6	-0.0043	mg/L	0.00030	-0.0429	mg/L	0.00298	6.95%
Zinct	195.1	0.0288	mg/L	0.00138	0.2884	mg/L	0.01381	4.79%
Argon	4606385.4	100.6	mg/L	0.25	1006	mg/L	2.5	0.25%
Sodiumt	4199706.7	12.06	mg/L	0.265	120.6	mg/L	2.65	2.20%
Magnesiumt	244197.9	1.497	mg/L	0.0070	14.97	mg/L	0.070	0.47%
Iront	3023.0	0.1954	mg/L	0.00324	1.954	mg/L	0.0324	1.66%
Calciumt	320139.8	2.427	mg/L	0.0112	24.27	mg/L	0.112	0.46%
Potassiumt	53555.7	0.4505	mg/L	0.00044	4.505	mg/L	0.0044	0.10%
Aluminum radialt	500.2	0.2488	mg/L	0.02549	2.488	mg/L	0.2549	10.24%
Calcium radialt	8885.3	2.441	mg/L	0.0675	24.41	mg/L	0.675	2.77%
Iron radialt	57.5	0.2049	mg/L	0.00560	2.049	mg/L	0.0560	2.73%
Magnesium radialt	6505.2	1.498	mg/L	0.0286	14.98	mg/L	0.286	1.91%
Sodium radialt	47492.7	11.75	mg/L	0.311	117.5	mg/L	3.11	2.64%
Potassium radialt	326.3	0.3128	mg/L	0.04361	3.128	mg/L	0.4361	13.94%
Strontium radialt	31313.2	0.0642	mg/L	0.00165	0.6424	mg/L	0.01648	2.57%

Sequence No.: 106
Sample ID: L0024320-07A
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 232
Date Collected: 1/9/2013 7:10:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024320-07A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024320-07A

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	584567.8	98.22	%	0.186				0.19%
Aluminumt	13156.0	0.2096	mg/L	0.00539	2.096	mg/L	0.0539	2.57%
Antimonyt	-14.1	-0.0316	mg/L	0.01979	-0.3157	mg/L	0.19786	62.67%
Arsenict	-13.0	-0.0235	mg/L	0.00408	-0.2345	mg/L	0.04075	17.38%
Bariumt	7181.7	0.3831	mg/L	0.00792	3.831	mg/L	0.0792	2.07%
Berylliumt	629.7	-0.0002	mg/L	0.00005	-0.0021	mg/L	0.00047	22.76%
Boront	645.0	0.0383	mg/L	0.00204	0.3833	mg/L	0.02043	5.33%
Cadmiumt	0.2	-0.0007	mg/L	0.00042	-0.0070	mg/L	0.00421	60.13%
Chromiumt	164.2	0.0022	mg/L	0.00356	0.0218	mg/L	0.03561	163.47%
Cobaltt	353.9	0.0910	mg/L	0.00037	0.9103	mg/L	0.00375	0.41%
Coppert	50.4	0.0024	mg/L	0.00110	0.0238	mg/L	0.01104	46.32%
Lithiumt	25970.9	0.0004	mg/L	0.00003	0.0042	mg/L	0.00026	6.35%
Manganeset	2817412.8	8.678	mg/L	0.0376	86.78	mg/L	0.376	0.43%
Molybdenumt	1.4	-0.0010	mg/L	0.00191	-0.0101	mg/L	0.01906	187.83%
Nickelt	122.1	0.0268	mg/L	0.00148	0.2677	mg/L	0.01480	5.53%
Leadt	0.2	-0.0065	mg/L	0.00186	-0.0653	mg/L	0.01858	28.45%
Seleniumt	22.4	0.0483	mg/L	0.00392	0.4833	mg/L	0.03917	8.10%
Silvert	327.6	0.0005	mg/L	0.00093	0.0045	mg/L	0.00927	204.05%
Strontiumt	19250935.3	1.249	mg/L	0.0024	12.49	mg/L	0.024	0.19%
Tint	3.4	0.0022	mg/L	0.00482	0.0225	mg/L	0.04821	214.69%
Thalliumt	-83.9	-0.0759	mg/L	0.00188	-0.7590	mg/L	0.01879	2.48%
Titaniumt	1831.8	0.0037	mg/L	0.00019	0.0373	mg/L	0.00186	4.98%
Vanadiumt	1384.9	0.0232	mg/L	0.00410	0.2322	mg/L	0.04105	17.68%
Zinct	577.2	0.0882	mg/L	0.00227	0.8817	mg/L	0.02268	2.57%
Argon	4642609.2	101.4	mg/L	0.17	1014	mg/L	1.7	0.17%
Sodiumt	Saturated3							
Magnesiumt	5141935.9	31.51	mg/L	0.128	315.1	mg/L	1.28	0.41%
Iront	5509.9	0.3569	mg/L	0.00228	3.569	mg/L	0.0228	0.64%
Calciumt	6479750.1	49.27	mg/L	0.254	492.7	mg/L	2.54	0.51%
Potassiumt	345213.8	2.278	mg/L	0.0128	22.78	mg/L	0.128	0.56%
Aluminum radialt	641.6	0.3138	mg/L	0.02155	3.138	mg/L	0.2155	6.87%
Calcium radialt	181907.2	49.90	mg/L	0.365	499.0	mg/L	3.65	0.73%
Iron radialt	111.3	0.3811	mg/L	0.01413	3.811	mg/L	0.1413	3.71%
Magnesium radialt	130623.9	29.91	mg/L	0.297	299.1	mg/L	2.97	0.99%
Sodium radialt	394469.3	97.60	mg/L	1.307	976.0	mg/L	13.07	1.34%
Potassium radialt	1860.2	1.615	mg/L	0.0789	16.15	mg/L	0.789	4.89%
Strontium radialt	630623.2	1.295	mg/L	0.0166	12.95	mg/L	0.166	1.28%

Sequence No.: 107
Sample ID: L0024320-09A
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 233
Date Collected: 1/9/2013 7:13:56 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024320-09A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024320-09A

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	595187.4	100.0	%	1.08				1.08%
Aluminumt	10029.7	0.1596	mg/L	0.00945	1.596	mg/L	0.0945	5.92%
Antimonyt	-6.6	-0.0135	mg/L	0.00854	-0.1347	mg/L	0.08540	63.38%
Arsenict	2.8	0.0019	mg/L	0.01143	0.0186	mg/L	0.11426	615.29%
Bariumt	3229.8	0.1720	mg/L	0.00145	1.720	mg/L	0.0145	0.84%
Berylliumt	113.1	-0.0005	mg/L	0.00008	-0.0048	mg/L	0.00075	15.62%
Boront	443.6	0.0266	mg/L	0.00083	0.2660	mg/L	0.00827	3.11%
Cadmiumt	-2.1	-0.0021	mg/L	0.00100	-0.0208	mg/L	0.01000	48.11%
Chromiumt	14.4	-0.0010	mg/L	0.00058	-0.0103	mg/L	0.00580	56.53%
Cobaltt	38.9	0.0088	mg/L	0.00037	0.0879	mg/L	0.00374	4.26%
Coppert	172.6	0.0012	mg/L	0.00198	0.0123	mg/L	0.01979	160.31%
Lithiumt	9721.6	-0.0010	mg/L	0.00003	-0.0103	mg/L	0.00029	2.79%
Manganeset	196509.7	0.6043	mg/L	0.00169	6.043	mg/L	0.0169	0.28%
Molybdenumt	-1.5	-0.0018	mg/L	0.00232	-0.0179	mg/L	0.02322	129.74%
Nickelt	23.3	0.0037	mg/L	0.00206	0.0369	mg/L	0.02061	55.91%
Leadt	3.8	-0.0016	mg/L	0.00873	-0.0162	mg/L	0.08734	537.95%
Seleniumt	-1.1	0.0036	mg/L	0.00893	0.0356	mg/L	0.08930	250.61%
Silvert	201.5	0.0004	mg/L	0.00077	0.0042	mg/L	0.00772	181.67%
Strontiumt	1280860.5	0.0821	mg/L	0.00028	0.8212	mg/L	0.00282	0.34%
Tint	-0.6	0.0007	mg/L	0.00375	0.0070	mg/L	0.03749	537.30%
Thalliumt	-11.1	-0.0076	mg/L	0.00110	-0.0764	mg/L	0.01101	14.42%
Titaniumt	3081.7	0.0070	mg/L	0.00161	0.0705	mg/L	0.01608	22.82%
Vanadiumt	-234.6	-0.0037	mg/L	0.00135	-0.0372	mg/L	0.01350	36.33%
Zinct	290.0	0.0436	mg/L	0.00051	0.4356	mg/L	0.00515	1.18%
Argon	4612724.3	100.8	mg/L	0.53	1008	mg/L	5.3	0.53%
Sodiumt	3225122.1	9.281	mg/L	0.2692	92.81	mg/L	2.692	2.90%
Magnesiumt	472999.5	2.899	mg/L	0.0078	28.99	mg/L	0.078	0.27%
Iront	1348.8	0.0866	mg/L	0.00076	0.8661	mg/L	0.00761	0.88%
Calciumt	476367.0	3.616	mg/L	0.0032	36.16	mg/L	0.032	0.09%
Potassiumt	59713.3	0.4891	mg/L	0.00176	4.891	mg/L	0.0176	0.36%
Aluminum radialt	293.7	0.1538	mg/L	0.02637	1.538	mg/L	0.2637	17.14%
Calcium radialt	13245.1	3.637	mg/L	0.0034	36.37	mg/L	0.034	0.09%
Iron radialt	24.3	0.0960	mg/L	0.00667	0.9605	mg/L	0.06674	6.95%
Magnesium radialt	12513.0	2.873	mg/L	0.0091	28.73	mg/L	0.091	0.32%
Sodium radialt	37340.2	9.241	mg/L	0.0159	92.41	mg/L	0.159	0.17%
Potassium radialt	330.3	0.3162	mg/L	0.03843	3.162	mg/L	0.3843	12.15%
Strontium radialt	40582.3	0.0833	mg/L	0.00010	0.8327	mg/L	0.00101	0.12%

Sequence No.: 108
Sample ID: L0024320-10A
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 234
Date Collected: 1/9/2013 7:16:47 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024320-10A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024320-10A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	595954.7	100.1	%	0.34				0.34%
Aluminumt	42724.4	0.6818	mg/L	0.01207	6.818	mg/L	0.1207	1.77%
Antimonyt	-4.3	-0.0077	mg/L	0.01390	-0.0765	mg/L	0.13901	181.60%
Arsenict	-1.9	-0.0051	mg/L	0.00606	-0.0505	mg/L	0.06056	119.84%
Bariumt	2144.5	0.1140	mg/L	0.00021	1.140	mg/L	0.0021	0.19%
Berylliumt	-102.7	-0.0006	mg/L	0.00006	-0.0060	mg/L	0.00064	10.76%
Boront	526.5	0.0314	mg/L	0.00114	0.3140	mg/L	0.01137	3.62%
Cadmiumt	0.3	-0.0014	mg/L	0.00107	-0.0144	mg/L	0.01071	74.33%
Chromiumt	14.9	-0.0010	mg/L	0.00043	-0.0102	mg/L	0.00429	42.28%
Cobaltt	4.3	-0.0003	mg/L	0.00027	-0.0028	mg/L	0.00274	97.41%
Coppert	68.0	-0.0002	mg/L	0.00187	-0.0024	mg/L	0.01867	768.00%
Lithiumt	13731.8	-0.0007	mg/L	0.00001	-0.0068	mg/L	0.00007	0.97%
Manganeset	53957.6	0.1651	mg/L	0.00187	1.651	mg/L	0.0187	1.13%
Molybdenumt	-10.9	-0.0043	mg/L	0.00120	-0.0435	mg/L	0.01197	27.55%
Nickelt	20.6	0.0031	mg/L	0.00172	0.0307	mg/L	0.01718	56.01%
Leadt	2.0	-0.0041	mg/L	0.00251	-0.0413	mg/L	0.02507	60.70%
Seleniumt	-4.2	-0.0024	mg/L	0.01467	-0.0242	mg/L	0.14672	606.90%
Silvert	110.3	-0.0004	mg/L	0.00130	-0.0038	mg/L	0.01303	339.53%
Strontiumt	389698.4	0.0242	mg/L	0.00006	0.2424	mg/L	0.00059	0.24%
Tint	-7.8	-0.0042	mg/L	0.00214	-0.0420	mg/L	0.02137	50.83%
Thalliumt	-16.1	-0.0122	mg/L	0.00368	-0.1224	mg/L	0.03677	30.04%
Titaniumt	12329.5	0.0316	mg/L	0.00069	0.3158	mg/L	0.00688	2.18%
Vanadiumt	-365.3	-0.0059	mg/L	0.00136	-0.0594	mg/L	0.01365	22.96%
Zinct	366.2	0.0554	mg/L	0.00043	0.5540	mg/L	0.00426	0.77%
Argon	4597894.2	100.4	mg/L	0.61	1004	mg/L	6.1	0.60%
Sodiumt	554873.6	1.669	mg/L	0.0018	16.69	mg/L	0.018	0.11%
Magnesiumt	112836.7	0.6916	mg/L	0.00875	6.916	mg/L	0.0875	1.27%
Iront	5885.9	0.3814	mg/L	0.00276	3.814	mg/L	0.0276	0.72%
Calciumt	153242.2	1.158	mg/L	0.0007	11.58	mg/L	0.007	0.06%
Potassiumt	45821.8	0.4020	mg/L	0.00101	4.020	mg/L	0.0101	0.25%
Aluminum radialt	1367.0	0.6475	mg/L	0.01429	6.475	mg/L	0.1429	2.21%
Calcium radialt	4213.8	1.160	mg/L	0.0054	11.60	mg/L	0.054	0.46%
Iron radialt	114.0	0.3901	mg/L	0.01248	3.901	mg/L	0.1248	3.20%
Magnesium radialt	3102.6	0.7194	mg/L	0.00134	7.194	mg/L	0.0134	0.19%
Sodium radialt	6970.6	1.728	mg/L	0.0269	17.28	mg/L	0.269	1.56%
Potassium radialt	444.7	0.4133	mg/L	0.03392	4.133	mg/L	0.3392	8.21%
Strontium radialt	12199.0	0.0250	mg/L	0.00012	0.2500	mg/L	0.00121	0.49%

Sequence No.: 109
Sample ID: L0024359-01A
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 235
Date Collected: 1/9/2013 7:19:37 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024359-01A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024359-01A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	570287.5	95.82	%	1.609				1.68%
Aluminumt	34417.8	0.5492	mg/L	0.01467	5.492	mg/L	0.1467	2.67%
Antimonyt	-28.0	-0.0656	mg/L	0.02898	-0.6559	mg/L	0.28980	44.18%
Arsenict	-61.8	-0.0754	mg/L	0.00623	-0.7536	mg/L	0.06234	8.27%
Bariumt	1106254.2	59.10	mg/L	0.154	591.0	mg/L	1.54	0.26%
Berylliumt	793.2	-0.0001	mg/L	0.00006	-0.0012	mg/L	0.00064	54.15%
Boront	190.9	0.0118	mg/L	0.00019	0.1182	mg/L	0.00189	1.60%
Cadmiumt	-0.1	0.0004	mg/L	0.00213	0.0035	mg/L	0.02130	603.13%
Chromiumt	83.7	0.0005	mg/L	0.00052	0.0046	mg/L	0.00518	113.69%
Cobaltt	13.1	0.0020	mg/L	0.00212	0.0204	mg/L	0.02121	103.93%
Coppert	-340.4	0.0121	mg/L	0.00133	0.1210	mg/L	0.01332	11.00%
Lithiumt	162120.9	0.0126	mg/L	0.00030	0.1257	mg/L	0.00298	2.37%
Manganeset	2211.7	0.0058	mg/L	0.00010	0.0575	mg/L	0.00097	1.68%
Molybdenumt	63.5	0.0159	mg/L	0.00233	0.1588	mg/L	0.02327	14.65%
Nickelt	46.0	0.0090	mg/L	0.00110	0.0898	mg/L	0.01096	12.20%
Leadt	3.1	-0.0025	mg/L	0.00663	-0.0255	mg/L	0.06627	260.02%
Seleniumt	58.8	0.1176	mg/L	0.00338	1.176	mg/L	0.0338	2.87%
Silvert	999.1	-0.0009	mg/L	0.00029	-0.0090	mg/L	0.00289	32.12%
Strontiumt	Saturated3							
Tint	-9.9	-0.0133	mg/L	0.01040	-0.1330	mg/L	0.10404	78.23%
Thalliumt	-55.8	-0.0495	mg/L	0.00267	-0.4951	mg/L	0.02668	5.39%
Titaniumt	3485.9	0.0081	mg/L	0.00025	0.0812	mg/L	0.00246	3.03%
Vanadiumt	-272.9	-0.0042	mg/L	0.00252	-0.0422	mg/L	0.02517	59.59%
Zinct	27.9	0.0029	mg/L	0.00095	0.0286	mg/L	0.00947	33.11%
Argon	4530548.9	98.96	mg/L	0.091	989.6	mg/L	0.91	0.09%
Sodiumt	24714884.7	70.54	mg/L	1.257	705.4	mg/L	12.57	1.78%
Magnesiumt	12875.3	0.0790	mg/L	0.00195	0.7899	mg/L	0.01951	2.47%
Iront	86.1	0.0046	mg/L	0.00042	0.0458	mg/L	0.00418	9.13%
Calciumt	38280523.3	291.1	mg/L	5.84	2911	mg/L	58.4	2.01%
Potassiumt	3878253.5	24.42	mg/L	0.079	244.2	mg/L	0.79	0.32%
Aluminum radialt	2635.5	1.231	mg/L	0.0286	12.31	mg/L	0.286	2.33%
Calcium radialt	1097559.6	301.1	mg/L	8.61	3011	mg/L	86.1	2.86%
Iron radialt	4.7	0.0317	mg/L	0.01232	0.3169	mg/L	0.12321	38.88%
Magnesium radialt	342.4	0.0876	mg/L	0.00186	0.8759	mg/L	0.01857	2.12%
Sodium radialt	216670.7	53.61	mg/L	1.144	536.1	mg/L	11.44	2.13%
Potassium radialt	21787.2	18.53	mg/L	0.393	185.3	mg/L	3.93	2.12%
Strontium radialt	2709595.6	5.564	mg/L	0.1319	55.64	mg/L	1.319	2.37%

Sequence No.: 110
Sample ID: L0024359-02A
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 236
Date Collected: 1/9/2013 7:22:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024359-02A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024359-02A

Analyte	Mean Corrected Intensity	Conc.	Calib. Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Yttrium	585500.3	98.38	%	1.647				1.67%
Aluminumt	15204.9	0.2423	mg/L	0.00680	2.423	mg/L	0.0680	2.81%
Antimonyt	-1.1	-0.0002	mg/L	0.01025	-0.0015	mg/L	0.10255	>999.9%
Arsenict	-1.7	-0.0047	mg/L	0.00440	-0.0468	mg/L	0.04400	93.97%
Bariumt	3554.7	0.1893	mg/L	0.00172	1.893	mg/L	0.0172	0.91%
Berylliumt	-128.6	-0.0006	mg/L	0.00010	-0.0061	mg/L	0.00098	16.00%
Boront	617.2	0.0368	mg/L	0.00083	0.3675	mg/L	0.00828	2.25%
Cadmiumt	-3.6	-0.0023	mg/L	0.00092	-0.0233	mg/L	0.00924	39.66%
Chromiumt	37.1	-0.0005	mg/L	0.00037	-0.0054	mg/L	0.00373	69.02%
Cobaltt	3.6	-0.0004	mg/L	0.00057	-0.0044	mg/L	0.00567	128.48%
Coppert	156.3	0.0009	mg/L	0.00048	0.0088	mg/L	0.00477	54.50%
Lithiumt	18375.6	-0.0003	mg/L	0.00001	-0.0026	mg/L	0.00010	3.83%
Manganeset	8164.8	0.0241	mg/L	0.00079	0.2409	mg/L	0.00793	3.29%
Molybdenumt	25.4	0.0055	mg/L	0.00056	0.0552	mg/L	0.00556	10.09%
Nickelt	6.7	-0.0002	mg/L	0.00095	-0.0019	mg/L	0.00953	508.95%
Leadt	7.2	0.0030	mg/L	0.00526	0.0298	mg/L	0.05259	176.40%
Seleniumt	1.0	0.0076	mg/L	0.00960	0.0757	mg/L	0.09597	126.80%
Silvert	-38.5	-0.0018	mg/L	0.00212	-0.0177	mg/L	0.02121	119.58%
Strontiumt	317057.3	0.0195	mg/L	0.00008	0.1952	mg/L	0.00076	0.39%
Tint	-3.5	-0.0012	mg/L	0.00266	-0.0123	mg/L	0.02664	215.87%
Thalliumt	3.8	0.0064	mg/L	0.00458	0.0637	mg/L	0.04583	71.90%
Titaniumt	4495.5	0.0108	mg/L	0.00028	0.1080	mg/L	0.00279	2.58%
Vanadiumt	-223.5	-0.0034	mg/L	0.00144	-0.0338	mg/L	0.01439	42.62%
Zinct	81.6	0.0112	mg/L	0.00041	0.1121	mg/L	0.00406	3.62%
Argon	4635725.7	101.3	mg/L	0.25	1013	mg/L	2.5	0.25%
Sodiumt	27705888.1	79.07	mg/L	1.261	790.7	mg/L	12.61	1.59%
Magnesiumt	51144.0	0.3135	mg/L	0.00622	3.135	mg/L	0.0622	1.98%
Iront	1622.4	0.1044	mg/L	0.00092	1.044	mg/L	0.0092	0.88%
Calciumt	136200.2	1.029	mg/L	0.0223	10.29	mg/L	0.223	2.16%
Potassiumt	105561.8	0.7764	mg/L	0.00160	7.764	mg/L	0.0160	0.21%
Aluminum radialt	521.8	0.2587	mg/L	0.02888	2.587	mg/L	0.2888	11.16%
Calcium radialt	3836.1	1.056	mg/L	0.0233	10.56	mg/L	0.233	2.21%
Iron radialt	29.1	0.1117	mg/L	0.01446	1.117	mg/L	0.1446	12.95%
Magnesium radialt	1348.5	0.3179	mg/L	0.00617	3.179	mg/L	0.0617	1.94%
Sodium radialt	267661.2	66.22	mg/L	1.541	662.2	mg/L	15.41	2.33%
Potassium radialt	767.4	0.6871	mg/L	0.07821	6.871	mg/L	0.7821	11.38%
Strontium radialt	10183.1	0.0209	mg/L	0.00053	0.2086	mg/L	0.00528	2.53%

Sequence No.: 111
Sample ID: L0024359-03A
Analyst:
Initial Sample Wt:
Dilution: 10X

Autosampler Location: 237
Date Collected: 1/9/2013 7:25:31 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: L0024359-03A

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: L0024359-03A

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	578466.5	97.19	%	0.138				0.14%
Aluminumt	13738.8	0.2189	mg/L	0.00168	2.189	mg/L	0.0168	0.77%
Antimonyt	-23.1	-0.0538	mg/L	0.02578	-0.5377	mg/L	0.25780	47.95%
Arsenict	-37.6	-0.0478	mg/L	0.00952	-0.4781	mg/L	0.09523	19.92%
Bariumt	5000.7	0.2666	mg/L	0.00070	2.666	mg/L	0.0070	0.26%
Berylliumt	325.2	-0.0004	mg/L	0.00011	-0.0037	mg/L	0.00106	28.78%
Boront	411.0	0.0247	mg/L	0.00086	0.2470	mg/L	0.00863	3.49%
Cadmiumt	-1.5	-0.0007	mg/L	0.00229	-0.0072	mg/L	0.02287	316.16%
Chromiumt	70.6	0.0002	mg/L	0.00030	0.0017	mg/L	0.00297	170.21%
Cobaltt	4.2	-0.0003	mg/L	0.00111	-0.0026	mg/L	0.01115	422.68%
Coppert	1632.0	0.0293	mg/L	0.00187	0.2933	mg/L	0.01866	6.36%
Lithiumt	134078.0	0.0101	mg/L	0.00001	0.1007	mg/L	0.00005	0.05%
Manganeset	663.3	0.0010	mg/L	0.00004	0.0098	mg/L	0.00043	4.41%
Molybdenumt	59.7	0.0148	mg/L	0.00125	0.1484	mg/L	0.01251	8.43%
Nickelt	36.3	0.0067	mg/L	0.00191	0.0671	mg/L	0.01909	28.45%
Leadt	-1.5	-0.0089	mg/L	0.00973	-0.0890	mg/L	0.09725	109.31%
Seleniumt	37.6	0.0772	mg/L	0.00091	0.7715	mg/L	0.00911	1.18%
Silvert	579.2	-0.0008	mg/L	0.00103	-0.0084	mg/L	0.01034	122.69%
Strontiumt	26098079.1	1.691	mg/L	0.0120	16.91	mg/L	0.120	0.71%
Tint	-4.4	-0.0061	mg/L	0.00519	-0.0608	mg/L	0.05187	85.33%
Thalliumt	-42.0	-0.0366	mg/L	0.00841	-0.3658	mg/L	0.08409	22.98%
Titaniumt	2498.6	0.0055	mg/L	0.00026	0.0550	mg/L	0.00256	4.66%
Vanadiumt	-237.0	-0.0036	mg/L	0.00031	-0.0358	mg/L	0.00313	8.73%
Zinct	29.3	0.0031	mg/L	0.00082	0.0309	mg/L	0.00824	26.67%
Argon	4586577.8	100.2	mg/L	0.18	1002	mg/L	1.8	0.18%
Sodiumt	27203745.7	77.64	mg/L	0.680	776.4	mg/L	6.80	0.88%
Magnesiumt	2822.7	0.0174	mg/L	0.00052	0.1738	mg/L	0.00522	3.01%
Iront	71.8	0.0036	mg/L	0.00083	0.0364	mg/L	0.00834	22.89%
Calciumt	21324948.1	162.2	mg/L	1.64	1622	mg/L	16.4	1.01%
Potassiumt	1657599.2	10.50	mg/L	0.029	105.0	mg/L	0.29	0.28%
Aluminum radialt	1187.8	0.5650	mg/L	0.00867	5.650	mg/L	0.0867	1.53%
Calcium radialt	605159.9	166.0	mg/L	4.58	1660	mg/L	45.8	2.76%
Iron radialt	-1.9	0.0102	mg/L	0.00719	0.1020	mg/L	0.07188	70.50%
Magnesium radialt	71.7	0.0256	mg/L	0.00107	0.2563	mg/L	0.01071	4.18%
Sodium radialt	248622.5	61.51	mg/L	1.157	615.1	mg/L	11.57	1.88%
Potassium radialt	9844.4	8.391	mg/L	0.1704	83.91	mg/L	1.704	2.03%
Strontium radialt	884274.6	1.816	mg/L	0.0428	18.16	mg/L	0.428	2.36%

Sequence No.: 112
Sample ID: CCV
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 1/9/2013 7:28:36 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCV

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCV

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	581374.1	97.68	%	0.578				0.59%
Aluminumt	33596.0	0.5360	mg/L	0.00648	0.5360	mg/L	0.00648	1.21%
QC value within limits for Aluminum Recovery = 107.21%								
Antimonyt	200.1	0.4809	mg/L	0.02218	0.4809	mg/L	0.02218	4.61%
QC value within limits for Antimony Recovery = 96.19%								
Arsenict	332.5	0.5043	mg/L	0.00411	0.5043	mg/L	0.00411	0.81%
QC value within limits for Arsenic Recovery = 100.85%								
Bariumt	9482.4	0.5060	mg/L	0.00749	0.5060	mg/L	0.00749	1.48%
QC value within limits for Barium Recovery = 101.20%								
Berylliumt	933746.6	0.4994	mg/L	0.00133	0.4994	mg/L	0.00133	0.27%
QC value within limits for Beryllium Recovery = 99.89%								
Boront	8621.5	0.5050	mg/L	0.00551	0.5050	mg/L	0.00551	1.09%
QC value within limits for Boron Recovery = 101.01%								
Cadmiumt	2250.0	0.4973	mg/L	0.00127	0.4973	mg/L	0.00127	0.26%
QC value within limits for Cadmium Recovery = 99.46%								
Chromiumt	23628.1	0.5041	mg/L	0.00874	0.5041	mg/L	0.00874	1.73%
QC value within limits for Chromium Recovery = 100.82%								
Cobaltt	1955.2	0.5080	mg/L	0.00112	0.5080	mg/L	0.00112	0.22%
QC value within limits for Cobalt Recovery = 101.60%								
Coppert	40009.4	0.5086	mg/L	0.00955	0.5086	mg/L	0.00955	1.88%
QC value within limits for Copper Recovery = 101.73%								
Lithiumt	5612590.9	0.4992	mg/L	0.01194	0.4992	mg/L	0.01194	2.39%
QC value within limits for Lithium Recovery = 99.84%								
Manganeset	165003.7	0.5072	mg/L	0.00845	0.5072	mg/L	0.00845	1.67%
QC value within limits for Manganese Recovery = 101.44%								
Molybdenumt	1832.3	0.4966	mg/L	0.00051	0.4966	mg/L	0.00051	0.10%
QC value within limits for Molybdenum Recovery = 99.33%								
Nickelt	2165.8	0.5041	mg/L	0.00345	0.5041	mg/L	0.00345	0.69%
QC value within limits for Nickel Recovery = 100.83%								
Leadt	367.1	0.4957	mg/L	0.01091	0.4957	mg/L	0.01091	2.20%
QC value within limits for Lead Recovery = 99.14%								
Seleniumt	262.7	0.5059	mg/L	0.00129	0.5059	mg/L	0.00129	0.26%
QC value within limits for Selenium Recovery = 101.18%								
Silvert	53791.3	0.5129	mg/L	0.00757	0.5129	mg/L	0.00757	1.48%
QC value within limits for Silver Recovery = 102.58%								
Strontiumt	3900450.8	0.2525	mg/L	0.00548	0.2525	mg/L	0.00548	2.17%
QC value within limits for Strontium Recovery = 101.00%								
Tint	720.1	0.4922	mg/L	0.00778	0.4922	mg/L	0.00778	1.58%
QC value within limits for Tin Recovery = 98.45%								
Thalliumt	538.1	0.5077	mg/L	0.00210	0.5077	mg/L	0.00210	0.41%
QC value within limits for Thallium Recovery = 101.54%								
Titaniumt	189675.1	0.5020	mg/L	0.00165	0.5020	mg/L	0.00165	0.33%
QC value within limits for Titanium Recovery = 100.40%								
Vanadiumt	28295.7	0.5001	mg/L	0.00784	0.5001	mg/L	0.00784	1.57%
QC value within limits for Vanadium Recovery = 100.02%								
Zinct	3227.0	0.4997	mg/L	0.00284	0.4997	mg/L	0.00284	0.57%
QC value within limits for Zinc Recovery = 99.94%								
Argon	4577100.6	99.98	mg/L	0.463	99.98	mg/L	0.463	0.46%
Sodiumt	1780050.4	5.162	mg/L	0.0987	5.162	mg/L	0.0987	1.91%
QC value within limits for Sodium Recovery = 103.23%								
Magnesiumt	82962.4	0.5085	mg/L	0.00737	0.5085	mg/L	0.00737	1.45%
QC value within limits for Magnesium Recovery = 101.71%								
Iront	7867.1	0.5101	mg/L	0.00910	0.5101	mg/L	0.00910	1.78%
QC value within limits for Iron Recovery = 102.01%								
Calciumt	67090.3	0.5029	mg/L	0.01011	0.5029	mg/L	0.01011	2.01%

QC value within limits for Calcium Recovery = 100.58%

Potassium†	701337.5	4.510 mg/L	0.0138	4.510 mg/L	0.0138	0.31%

QC value within limits for Potassium Recovery = 90.19%

Aluminum radial†	1228.8	0.5839 mg/L	0.01896	0.5839 mg/L	0.01896	3.25%

QC value greater than the upper limit for Aluminum radial Recovery = 116.78%

Calcium radial†	1882.8	0.5204 mg/L	0.00561	0.5204 mg/L	0.00561	1.08%

QC value within limits for Calcium radial Recovery = 104.07%

Iron radial†	152.4	0.5160 mg/L	0.01274	0.5160 mg/L	0.01274	2.47%

QC value within limits for Iron radial Recovery = 103.19%

Magnesium radial†	2244.8	0.5231 mg/L	0.00234	0.5231 mg/L	0.00234	0.45%

QC value within limits for Magnesium radial Recovery = 104.61%

Sodium radial†	20712.9	5.127 mg/L	0.1311	5.127 mg/L	0.1311	2.56%

QC value within limits for Sodium radial Recovery = 102.55%

Potassium radial†	5763.8	4.927 mg/L	0.1333	4.927 mg/L	0.1333	2.71%

QC value within limits for Potassium radial Recovery = 98.55%

Strontium radial†	124542.9	0.2557 mg/L	0.00582	0.2557 mg/L	0.00582	2.28%

QC value within limits for Strontium radial Recovery = 102.27%

QC Failed. Continue with analysis.

Sequence No.: 113
Sample ID: CCB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 1/9/2013 7:31:30 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: CCB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: CCB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	590170.9	99.16	%	0.862				0.87%
Aluminumt	150.1	0.0018	mg/L	0.00146	0.0018	mg/L	0.00146	80.18%
QC value within limits for Aluminum Recovery = Not calculated								
Antimonyt	-8.6	-0.0183	mg/L	0.00055	-0.0183	mg/L	0.00055	3.00%
QC value within limits for Antimony Recovery = Not calculated								
Arsenict	2.3	0.0013	mg/L	0.00516	0.0013	mg/L	0.00516	392.63%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	0.2	-0.0006	mg/L	0.00059	-0.0006	mg/L	0.00059	104.01%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	-79.8	-0.0006	mg/L	0.00005	-0.0006	mg/L	0.00005	9.29%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	-3.1	0.0005	mg/L	0.00044	0.0005	mg/L	0.00044	94.52%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	-7.7	-0.0034	mg/L	0.00090	-0.0034	mg/L	0.00090	26.67%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	3.0	-0.0013	mg/L	0.00006	-0.0013	mg/L	0.00006	5.09%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	1.9	-0.0009	mg/L	0.00047	-0.0009	mg/L	0.00047	54.84%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	112.4	0.0003	mg/L	0.00060	0.0003	mg/L	0.00060	234.42%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	144.5	-0.0019	mg/L	0.00003	-0.0019	mg/L	0.00003	1.48%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	41.4	-0.0009	mg/L	0.00002	-0.0009	mg/L	0.00002	2.17%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-6.0	-0.0030	mg/L	0.00058	-0.0030	mg/L	0.00058	19.30%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	1.7	-0.0014	mg/L	0.00131	-0.0014	mg/L	0.00131	96.22%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	3.3	-0.0024	mg/L	0.00491	-0.0024	mg/L	0.00491	208.78%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	1.6	0.0086	mg/L	0.00680	0.0086	mg/L	0.00680	78.93%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	-30.4	-0.0017	mg/L	0.00137	-0.0017	mg/L	0.00137	81.97%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	578.8	-0.0010	mg/L	0.00001	-0.0010	mg/L	0.00001	1.10%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-5.5	-0.0026	mg/L	0.00296	-0.0026	mg/L	0.00296	115.49%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-1.2	0.0017	mg/L	0.00272	0.0017	mg/L	0.00272	160.85%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	9.8	-0.0011	mg/L	0.00027	-0.0011	mg/L	0.00027	24.33%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	-311.0	-0.0049	mg/L	0.00018	-0.0049	mg/L	0.00018	3.78%
QC value within limits for Vanadium Recovery = Not calculated								
Zinct	14.1	0.0007	mg/L	0.00041	0.0007	mg/L	0.00041	57.27%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4544741.4	99.27	mg/L	0.489	99.27	mg/L	0.489	0.49%
Sodiumt	1988.7	0.0931	mg/L	0.00056	0.0931	mg/L	0.00056	0.60%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	-27.2	-0.0001	mg/L	0.00039	-0.0001	mg/L	0.00039	459.93%
QC value within limits for Magnesium Recovery = Not calculated								
Iront	8.2	-0.0005	mg/L	0.00053	-0.0005	mg/L	0.00053	108.38%
QC value within limits for Iron Recovery = Not calculated								
Calciumt	486.0	-0.0036	mg/L	0.00061	-0.0036	mg/L	0.00061	16.78%

QC value within limits for Calcium Recovery = Not calculated

Potassium†	47.5	0.1152 mg/L	0.00145	0.1152 mg/L	0.00145	1.26%

QC value within limits for Potassium Recovery = Not calculated

Aluminum radial†	6.0	0.0215 mg/L	0.01683	0.0215 mg/L	0.01683	78.30%

QC value within limits for Aluminum radial Recovery = Not calculated

Calcium radial†	17.5	0.0087 mg/L	0.00474	0.0087 mg/L	0.00474	54.37%

QC value within limits for Calcium radial Recovery = Not calculated

Iron radial†	0.7	0.0186 mg/L	0.00620	0.0186 mg/L	0.00620	33.29%

QC value within limits for Iron radial Recovery = Not calculated

Magnesium radial†	9.3	0.0113 mg/L	0.00140	0.0113 mg/L	0.00140	12.37%

QC value within limits for Magnesium radial Recovery = Not calculated

Sodium radial†	64.2	0.0188 mg/L	0.00408	0.0188 mg/L	0.00408	21.71%

QC value within limits for Sodium radial Recovery = Not calculated

Potassium radial†	-11.0	0.0265 mg/L	0.03041	0.0265 mg/L	0.03041	114.67%

QC value within limits for Potassium radial Recovery = Not calculated

Strontium radial†	-2.8	-0.0001 mg/L	0.00004	-0.0001 mg/L	0.00004	61.65%

QC value within limits for Strontium radial Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 114
Sample ID: ICSA
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 9
Date Collected: 1/9/2013 7:34:44 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSA

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: ICSA

Analyte	Mean Corrected Intensity	Calib. Conc.	Calib. Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Yttrium	544995.2	91.57	%	1.407				1.54%
Aluminumt	31241593.3	499.0	mg/L	6.47	499.0	mg/L	6.47	1.30%
Antimonyt	-54.0	0.0516	mg/L	0.02600	0.0516	mg/L	0.02600	50.42%
QC value greater than the upper limit for Antimony Recovery = Not calculated								
Arsenict	-2.5	-0.0262	mg/L	0.02744	-0.0262	mg/L	0.02744	104.62%
QC value within limits for Arsenic Recovery = Not calculated								
Bariumt	279.2	-0.0072	mg/L	0.00069	-0.0072	mg/L	0.00069	9.58%
QC value within limits for Barium Recovery = Not calculated								
Berylliumt	1335.3	0.0002	mg/L	0.00003	0.0002	mg/L	0.00003	17.16%
QC value within limits for Beryllium Recovery = Not calculated								
Boront	716.8	-0.0346	mg/L	0.00302	-0.0346	mg/L	0.00302	8.72%
QC value within limits for Boron Recovery = Not calculated								
Cadmiumt	25.6	0.0043	mg/L	0.00255	0.0043	mg/L	0.00255	58.96%
QC value within limits for Cadmium Recovery = Not calculated								
Chromiumt	146.5	0.0018	mg/L	0.00028	0.0018	mg/L	0.00028	15.41%
QC value within limits for Chromium Recovery = Not calculated								
Cobaltt	39.9	0.0091	mg/L	0.00128	0.0091	mg/L	0.00128	14.13%
QC value within limits for Cobalt Recovery = Not calculated								
Coppert	-2045.6	0.0010	mg/L	0.00079	0.0010	mg/L	0.00079	79.77%
QC value within limits for Copper Recovery = Not calculated								
Lithiumt	1720.3	-0.0017	mg/L	0.00000	-0.0017	mg/L	0.00000	0.27%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	3095.7	0.0085	mg/L	0.00053	0.0085	mg/L	0.00053	6.29%
QC value within limits for Manganese Recovery = Not calculated								
Molybdenumt	-37.1	-0.0168	mg/L	0.00422	-0.0168	mg/L	0.00422	25.10%
QC value within limits for Molybdenum Recovery = Not calculated								
Nickelt	-52.0	0.0058	mg/L	0.00297	0.0058	mg/L	0.00297	51.19%
QC value within limits for Nickel Recovery = Not calculated								
Leadt	-1.0	0.0061	mg/L	0.02257	0.0061	mg/L	0.02257	368.04%
QC value within limits for Lead Recovery = Not calculated								
Seleniumt	-81.3	-0.0398	mg/L	0.00354	-0.0398	mg/L	0.00354	8.88%
QC value within limits for Selenium Recovery = Not calculated								
Silvert	1878.2	0.0031	mg/L	0.00021	0.0031	mg/L	0.00021	6.74%
QC value within limits for Silver Recovery = Not calculated								
Strontiumt	31459.6	-0.0115	mg/L	0.00019	-0.0115	mg/L	0.00019	1.67%
QC value within limits for Strontium Recovery = Not calculated								
Tint	-12.3	-0.0196	mg/L	0.00813	-0.0196	mg/L	0.00813	41.52%
QC value within limits for Tin Recovery = Not calculated								
Thalliumt	-48.5	-0.0427	mg/L	0.01211	-0.0427	mg/L	0.01211	28.37%
QC value within limits for Thallium Recovery = Not calculated								
Titaniumt	4646.5	0.0112	mg/L	0.00057	0.0112	mg/L	0.00057	5.13%
QC value within limits for Titanium Recovery = Not calculated								
Vanadiumt	7550.4	0.0418	mg/L	0.00325	0.0418	mg/L	0.00325	7.77%
QC value greater than the upper limit for Vanadium Recovery = Not calculated								
Zinct	61.0	0.0080	mg/L	0.00270	0.0080	mg/L	0.00270	33.69%
QC value within limits for Zinc Recovery = Not calculated								
Argon	4270414.8	93.28	mg/L	0.343	93.28	mg/L	0.343	0.37%
Sodiumt	16977.5	0.1359	mg/L	0.00257	0.1359	mg/L	0.00257	1.89%
QC value within limits for Sodium Recovery = Not calculated								
Magnesiumt	54697265.1	335.2	mg/L	5.27	335.2	mg/L	5.27	1.57%
Iront	5651600.0	367.2	mg/L	1.06	367.2	mg/L	1.06	0.29%
Calciumt	59264147.2	450.7	mg/L	7.11	450.7	mg/L	7.11	1.58%
Potassiumt	4218.5	0.1413	mg/L	0.00099	0.1413	mg/L	0.00099	0.70%
Aluminum radialt	1086331.9	499.6	mg/L	7.89	499.6	mg/L	7.89	1.58%
QC value within limits for Aluminum radial Recovery = 99.93%								

Calcium radial†	1759078.8	482.5 mg/L	8.96	482.5 mg/L	8.96	1.86%
QC value within limits for Calcium radial Recovery = 96.51%							
Iron radial†	146773.5	481.2 mg/L	13.82	481.2 mg/L	13.82	2.87%
QC value within limits for Iron radial Recovery = 96.23%							
Magnesium radial†	2050161.7	469.3 mg/L	7.87	469.3 mg/L	7.87	1.68%
QC value within limits for Magnesium radial Recovery = 93.86%							
Sodium radial†	-12.0	0.0000 mg/L	0.01672	0.0000 mg/L	0.01672	>999.9%
QC value within limits for Sodium radial Recovery = Not calculated							
Potassium radial†	-129.2	-0.0737 mg/L	0.09048	-0.0737 mg/L	0.09048	122.70%
QC value within limits for Potassium radial Recovery = Not calculated							
Strontium radial†	934.8	0.0019 mg/L	0.00004	0.0019 mg/L	0.00004	2.03%
QC value within limits for Strontium radial Recovery = Not calculated							

QC Failed. Continue with analysis.

Sequence No.: 115
Sample ID: ICSAB
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 10
Date Collected: 1/9/2013 7:37:14 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: ICSAB

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: ICSAB

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	539001.5	90.56	%	0.489				0.54%
Aluminumt	31448784.1	502.3	mg/L	1.93	502.3	mg/L	1.93	0.38%
Antimonyt	4110.9	10.14	mg/L	0.012	10.14	mg/L	0.012	0.12%
QC value within limits for Antimony Recovery = 101.44%								
Arsenict	6762.3	10.24	mg/L	0.045	10.24	mg/L	0.045	0.44%
QC value within limits for Arsenic Recovery = 102.39%								
Bariumt	54675.1	2.899	mg/L	0.0120	2.899	mg/L	0.0120	0.41%
QC value within limits for Barium Recovery = 96.62%								
Berylliumt	1914293.9	1.024	mg/L	0.0166	1.024	mg/L	0.0166	1.62%
QC value within limits for Beryllium Recovery = 102.45%								
Boront	89696.6	5.170	mg/L	0.0102	5.170	mg/L	0.0102	0.20%
QC value within limits for Boron Recovery = 103.40%								
Cadmiumt	14485.2	3.062	mg/L	0.0154	3.062	mg/L	0.0154	0.50%
QC value within limits for Cadmium Recovery = 102.08%								
Chromiumt	133124.5	2.846	mg/L	0.0100	2.846	mg/L	0.0100	0.35%
QC value within limits for Chromium Recovery = 94.88%								
Cobaltt	10428.3	2.701	mg/L	0.0109	2.701	mg/L	0.0109	0.40%
QC value within limits for Cobalt Recovery = 90.03%								
Coppert	238066.7	3.061	mg/L	0.0065	3.061	mg/L	0.0065	0.21%
QC value within limits for Copper Recovery = 102.03%								
Lithiumt	1988.4	-0.0017	mg/L	0.00001	-0.0017	mg/L	0.00001	0.48%
QC value within limits for Lithium Recovery = Not calculated								
Manganeset	619076.3	1.906	mg/L	0.0050	1.906	mg/L	0.0050	0.26%
QC value within limits for Manganese Recovery = 95.30%								
Molybdenumt	10622.8	2.880	mg/L	0.0111	2.880	mg/L	0.0111	0.39%
QC value within limits for Molybdenum Recovery = 96.01%								
Nickelt	11447.7	2.692	mg/L	0.0048	2.692	mg/L	0.0048	0.18%
QC value within limits for Nickel Recovery = 89.74%								
Leadt	6643.4	9.103	mg/L	0.0491	9.103	mg/L	0.0491	0.54%
QC value within limits for Lead Recovery = 91.03%								
Seleniumt	2556.0	4.984	mg/L	0.0341	4.984	mg/L	0.0341	0.68%
QC value within limits for Selenium Recovery = 99.69%								
Silvert	336967.6	3.205	mg/L	0.0085	3.205	mg/L	0.0085	0.26%
QC value within limits for Silver Recovery = 106.85%								
Strontiumt	7599133.2	0.4803	mg/L	0.00172	0.4803	mg/L	0.00172	0.36%
QC value within limits for Strontium Recovery = 96.06%								
Tint	690.3	0.4593	mg/L	0.01726	0.4593	mg/L	0.01726	3.76%
QC value within limits for Tin Recovery = 91.85%								
Thalliumt	9270.9	8.701	mg/L	0.0380	8.701	mg/L	0.0380	0.44%
QC value within limits for Thallium Recovery = 87.01%								
Titaniumt	3727117.6	9.885	mg/L	0.1409	9.885	mg/L	0.1409	1.43%
QC value within limits for Titanium Recovery = 98.85%								
Vanadiumt	176057.6	3.015	mg/L	0.0104	3.015	mg/L	0.0104	0.34%
QC value within limits for Vanadium Recovery = 100.50%								
Zinct	17036.7	2.644	mg/L	0.0140	2.644	mg/L	0.0140	0.53%
QC value within limits for Zinc Recovery = 88.14%								
Argon	4269343.5	93.25	mg/L	0.415	93.25	mg/L	0.415	0.44%
Sodiumt	29016867.6	82.80	mg/L	0.327	82.80	mg/L	0.327	0.40%
Magnesiumt	55532150.3	340.3	mg/L	1.80	340.3	mg/L	1.80	0.53%
Iront	5749148.4	373.5	mg/L	4.46	373.5	mg/L	4.46	1.19%
Calciumt	59994780.0	456.3	mg/L	2.67	456.3	mg/L	2.67	0.58%
Potassiumt	50855109.2	318.8	mg/L	1.89	318.8	mg/L	1.89	0.59%
Aluminum radialt	1105250.7	508.3	mg/L	5.14	508.3	mg/L	5.14	1.01%
QC value within limits for Aluminum radial Recovery = 101.67%								
Calcium radialt	1794716.5	492.3	mg/L	4.03	492.3	mg/L	4.03	0.82%

QC value within limits for Calcium radial Recovery = 98.46%

Iron radial†	149874.7	491.3 mg/L	4.58	491.3 mg/L	4.58	0.93%

QC value within limits for Iron radial Recovery = 98.27%

Magnesium radial†	2076662.8	475.4 mg/L	4.44	475.4 mg/L	4.44	0.93%

QC value within limits for Magnesium radial Recovery = 95.07%

Sodium radial†	219978.7	54.43 mg/L	0.411	54.43 mg/L	0.411	0.75%

QC value within limits for Sodium radial Recovery = 108.86%

Potassium radial†	273880.6	232.5 mg/L	1.61	232.5 mg/L	1.61	0.69%

QC value within limits for Potassium radial Recovery = 116.23%

Strontium radial†	270834.9	0.5561 mg/L	0.00458	0.5561 mg/L	0.00458	0.82%

QC value within limits for Strontium radial Recovery = 111.21%

All analyte(s) passed QC.

Sequence No.: 116
Sample ID: RINSE BLANK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 238
Date Collected: 1/9/2013 7:39:57 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: RINSE BLANK

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: RINSE BLANK

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	594284.8	99.85	%	1.351				1.35%
Aluminumt	1953.9	0.0306	mg/L	0.00140	0.0306	mg/L	0.00140	4.57%
Antimonyt	1.6	0.0066	mg/L	0.01893	0.0066	mg/L	0.01893	286.96%
Arsenict	-0.3	-0.0026	mg/L	0.01123	-0.0026	mg/L	0.01123	437.26%
Bariumt	31.6	0.0011	mg/L	0.00057	0.0011	mg/L	0.00057	50.82%
Berylliumt	-157.2	-0.0006	mg/L	0.00007	-0.0006	mg/L	0.00007	11.12%
Boront	87.7	0.0058	mg/L	0.00016	0.0058	mg/L	0.00016	2.85%
Cadmiumt	-3.8	-0.0024	mg/L	0.00017	-0.0024	mg/L	0.00017	6.87%
Chromiumt	-4.6	-0.0014	mg/L	0.00021	-0.0014	mg/L	0.00021	14.45%
Cobaltt	-2.9	-0.0021	mg/L	0.00035	-0.0021	mg/L	0.00035	16.53%
Coppert	79.8	-0.0002	mg/L	0.00228	-0.0002	mg/L	0.00228	>999.9%
Lithiumt	119.7	-0.0019	mg/L	0.00001	-0.0019	mg/L	0.00001	0.66%
Manganeset	78.1	-0.0008	mg/L	0.00008	-0.0008	mg/L	0.00008	9.33%
Molybdenumt	-9.0	-0.0038	mg/L	0.00072	-0.0038	mg/L	0.00072	18.77%
Nickelt	-0.4	-0.0019	mg/L	0.00071	-0.0019	mg/L	0.00071	38.24%
Leadt	6.0	0.0014	mg/L	0.00802	0.0014	mg/L	0.00802	569.91%
Seleniumt	1.9	0.0091	mg/L	0.01835	0.0091	mg/L	0.01835	200.77%
Silvert	48.3	-0.0009	mg/L	0.00105	-0.0009	mg/L	0.00105	112.73%
Strontiumt	224.4	-0.0010	mg/L	0.00001	-0.0010	mg/L	0.00001	0.52%
Tint	-3.5	-0.0012	mg/L	0.00225	-0.0012	mg/L	0.00225	190.01%
Thalliumt	-2.6	0.0004	mg/L	0.00014	0.0004	mg/L	0.00014	32.20%
Titaniumt	400.6	-0.0001	mg/L	0.00025	-0.0001	mg/L	0.00025	387.85%
Vanadiumt	-342.2	-0.0054	mg/L	0.00107	-0.0054	mg/L	0.00107	19.57%
Zinct	16.1	0.0010	mg/L	0.00003	0.0010	mg/L	0.00003	3.10%
Argon	4555156.1	99.50	mg/L	0.761	99.50	mg/L	0.761	0.76%
Sodiumt	2221.3	0.0938	mg/L	0.00056	0.0938	mg/L	0.00056	0.60%
Magnesiumt	1999.0	0.0123	mg/L	0.00081	0.0123	mg/L	0.00081	6.59%
Iront	358.9	0.0223	mg/L	0.01495	0.0223	mg/L	0.01495	67.06%
Calciumt	1859.8	0.0068	mg/L	0.00231	0.0068	mg/L	0.00231	33.82%
Potassiumt	719.6	0.1194	mg/L	0.00107	0.1194	mg/L	0.00107	0.89%
Aluminum radialt	72.6	0.0522	mg/L	0.00653	0.0522	mg/L	0.00653	12.51%
Calcium radialt	45.0	0.0163	mg/L	0.00152	0.0163	mg/L	0.00152	9.35%
Iron radialt	1.9	0.0225	mg/L	0.00985	0.0225	mg/L	0.00985	43.80%
Magnesium radialt	53.8	0.0215	mg/L	0.00100	0.0215	mg/L	0.00100	4.65%
Sodium radialt	76.8	0.0219	mg/L	0.00443	0.0219	mg/L	0.00443	20.21%
Potassium radialt	52.6	0.0806	mg/L	0.03044	0.0806	mg/L	0.03044	37.78%
Strontium radialt	-11.2	-0.0001	mg/L	0.00002	-0.0001	mg/L	0.00002	29.26%

Sequence No.: 117
Sample ID: RINSE BLANK
Analyst:
Initial Sample Wt:
Dilution:

Autosampler Location: 239
Date Collected: 1/9/2013 7:43:13 PM
Data Type: Original
Initial Sample Vol:
Sample Prep Vol:

Nebulizer Parameters: RINSE BLANK

Analyte	Back Pressure	Flow
All	129.0 kPa	0.65 L/min

Mean Data: RINSE BLANK

Analyte	Mean Corrected Intensity	Calib. Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Yttrium	587522.7	98.72	%	0.932				0.94%

Aluminumt	1660.7	0.0259 mg/L	0.00102	0.0259 mg/L	0.00102	3.94%
Antimonyt	-2.6	-0.0037 mg/L	0.00364	-0.0037 mg/L	0.00364	98.94%
Arsenict	0.5	-0.0014 mg/L	0.00976	-0.0014 mg/L	0.00976	688.08%
Bariumt	38.1	0.0015 mg/L	0.00021	0.0015 mg/L	0.00021	14.08%
Berylliumt	-135.8	-0.0006 mg/L	0.00004	-0.0006 mg/L	0.00004	6.17%
Boront	49.7	0.0036 mg/L	0.00033	0.0036 mg/L	0.00033	9.31%
Cadmiumt	-4.5	-0.0026 mg/L	0.00056	-0.0026 mg/L	0.00056	21.62%
Chromiumt	-15.7	-0.0017 mg/L	0.00024	-0.0017 mg/L	0.00024	14.31%
Cobaltt	2.0	-0.0008 mg/L	0.00180	-0.0008 mg/L	0.00180	217.15%
Coppert	44.9	-0.0006 mg/L	0.00113	-0.0006 mg/L	0.00113	186.55%
Lithiumt	116.2	-0.0019 mg/L	0.00001	-0.0019 mg/L	0.00001	0.74%
Manganeset	63.5	-0.0009 mg/L	0.00002	-0.0009 mg/L	0.00002	2.24%
Molybdenumt	-14.4	-0.0053 mg/L	0.00278	-0.0053 mg/L	0.00278	52.50%
Nickelt	3.8	-0.0009 mg/L	0.00132	-0.0009 mg/L	0.00132	151.17%
Leadt	2.0	-0.0041 mg/L	0.00523	-0.0041 mg/L	0.00523	128.52%
Seleniumt	-2.2	0.0015 mg/L	0.00533	0.0015 mg/L	0.00533	366.17%
Silvert	54.5	-0.0009 mg/L	0.00038	-0.0009 mg/L	0.00038	43.28%
Strontiumt	37.0	-0.0011 mg/L	0.00001	-0.0011 mg/L	0.00001	0.90%
Tint	-6.2	-0.0031 mg/L	0.00299	-0.0031 mg/L	0.00299	97.82%
Thalliumt	4.7	0.0072 mg/L	0.00469	0.0072 mg/L	0.00469	65.00%
Titaniumt	150.7	-0.0007 mg/L	0.00036	-0.0007 mg/L	0.00036	49.92%
Vanadiumt	-408.0	-0.0066 mg/L	0.00029	-0.0066 mg/L	0.00029	4.44%
Zinct	14.3	0.0008 mg/L	0.00095	0.0008 mg/L	0.00095	125.01%
Argon	4569405.1	99.81 mg/L	0.381	99.81 mg/L	0.381	0.38%
Sodiumt	1844.0	0.0927 mg/L	0.00059	0.0927 mg/L	0.00059	0.63%
Magnesiumt	919.2	0.0057 mg/L	0.00019	0.0057 mg/L	0.00019	3.31%
Iront	110.6	0.0062 mg/L	0.00081	0.0062 mg/L	0.00081	13.13%
Calciumt	769.5	-0.0015 mg/L	0.00086	-0.0015 mg/L	0.00086	58.83%
Potassiumt	230.2	0.1163 mg/L	0.00112	0.1163 mg/L	0.00112	0.96%
Aluminum radialt	53.0	0.0431 mg/L	0.00476	0.0431 mg/L	0.00476	11.05%
Calcium radialt	44.4	0.0161 mg/L	0.00209	0.0161 mg/L	0.00209	12.96%
Iron radialt	-0.4	0.0152 mg/L	0.01042	0.0152 mg/L	0.01042	68.78%
Magnesium radialt	30.4	0.0162 mg/L	0.00092	0.0162 mg/L	0.00092	5.71%
Sodium radialt	67.2	0.0195 mg/L	0.00628	0.0195 mg/L	0.00628	32.14%
Potassium radialt	40.0	0.0698 mg/L	0.02433	0.0698 mg/L	0.02433	34.85%
Strontium radialt	16.8	0.0000 mg/L	0.00004	0.0000 mg/L	0.00004	235.58%

METALS PREP AND ANALYTICAL RUN LOGS

Accutest, Inc.

PREP BATCH REPORT

Prep Batch ID: **117535**
Prep Code: **PR3010_6020**
Technician: **Lorenza A Bruno**

Prep Start Date: **12/21/2012 5:00:00 PM**
Prep End Date: **12/22/2012 5:00:00 AM**

Sample ID	Matrix	Vial	pH	wt (Kg)	Ini vol (mL)	Surr Added	Spk Added	Homog	Fin Vol (mL)	Factor	SDG
L0023792-01A	Water	1		0	50	1		X	50	1	
L0023792-02A	Water	1		0	50	1		X	50	1	
L0023792-03A	Water	1		0	50	1		X	50	1	
L0023792-04A	Water	1		0	50	1		X	50	1	
L0023792-05A	Water	1		0	50	1		X	50	1	
L0023792-06A	Water	1		0	50	1		X	50	1	
L0023792-10A	Water	1		0	50	1		X	50	1	
L0023792-11A	Water	1		0	50	1		X	50	1	
L0023792-12A	Water	1		0	50	1		X	50	1	
L0023792-13A	Water	1		0	50	1		X	50	1	
L0023792-15A	Water	1		0	50	1		X	50	1	
L0023792-16A	Water	1		0	50	1		X	50	1	
L0023792-17A	Water	1		0	50	1		X	50	1	
L0023792-17AMS	Water	1		0	50	1		X	50	1	
L0023792-17AMSD	Water	1		0	50	1		X	50	1	
L0023792-18A	Water	1		0	50	1		X	50	1	
L0023792-19A	Water	1		0	50	1		X	50	1	
L0023792-20A	Water	1		0	50	1		X	50	1	
LCS-117535		1		0	50	1		X	50	1	
MBLK-117535		1		0	50	1		X	50	1	

Accutest, Inc.

PREP BATCH REPORT

Prep Batch ID: **117596**
Prep Code: **PR3010_6020**
Technician: **Lorenza A Bruno**

Prep Start Date: **12/26/2012 5:00:00 PM**
Prep End Date: **12/27/2012 5:00:00 AM**

Sample ID	Matrix	Vial	pH	wt (Kg)	Ini vol (mL)	Surr Added	Spk Added	Homog	Fin Vol (mL)	Factor	SDG
L0023792-22A	Water	1		0	50	1		X	50	1	
L0023792-23A	Water	1		0	50	1		X	50	1	
L0023792-25A	Water	1		0	50	1		X	50	1	
L0023792-27A	Water	1		0	50	1		X	50	1	
L0023792-28A	Water	1		0	50	1		X	50	1	
L0023792-30A	Water	1		0	50	1		X	50	1	
L0023792-33A	Water	1		0	50	1		X	50	1	
L0023792-34A	Water	1		0	50	1		X	50	1	
L0023792-35A	Water	1		0	50	1		X	50	1	
L0023947-01B	Water	1		0	50	1		X	50	1	
L0023947-01BMS	Water	1		0	50	1		X	50	1	
L0023947-01BMSD	Water	1		0	50	1		X	50	1	
L0023947-02B	Water	1		0	50	1		X	50	1	
L0023947-03B	Water	1		0	50	1		X	50	1	
L0023947-04B	Water	1		0	50	1		X	50	1	
L0023947-05B	Water	1		0	50	1		X	50	1	
L0023947-06B	Water	1		0	50	1		X	50	1	
L0023947-07B	Water	1		0	50	1		X	50	1	
L0023947-08B	Water	1		0	50	1		X	50	1	
L0023947-09B	Water	1		0	50	1		X	50	1	
L0023947-10B	Water	1		0	50	1		X	50	1	
LCS-117596		1		0	50	1		X	50	1	
MBLK-117596		1		0	50	1		X	50	1	

1301041443.ms
1-4-13
RD

Run List

Sample File Name: 11.18.08.sam

Int. Std. 11058-60-13

AS Loc.	Sample ID	Batch Index	Sample Type
1	Cal Blank 06120-126-17		Blank
1	Std 1 11058-65-06		Standard
2	Std 2 -66-06		Standard
3	Std 3 -67-06		Standard
4	Std 4 -68-06		Standard
5	Std 5 -69-06		Standard
6	Std 6 -70-06		Standard
7	QC Std 1 -72-06		QC Std
8	QC Std 3 06120-126-17		QC Std
9	ICSA 11058-73-06	2	Sample
10	ICSAB -74-06	3	Spike - 2 of 2

QC Std 4 11058-71-06
QC Std 6 06120-126-17

W/O 3792

Level 4

Sems

Run List

Sample File Name: 11.18.08.sam

AS Loc.	Sample ID	Batch Index	Sample Type
101	MBLK-117535 6020-W-ALL	91	Sample
102	LCS-117535	92	Sample
103	L0023792-17A As, Cd, Pb, Mn, Ni, TL, Zn	93	Sample
104	L0023792-17ASD	94	Sample
105	L0023792-17AMS	95	Sample
106	L0023792-17AMSD	96	Sample
107	L0023792-17APDS	97	Sample
108	L0023792-17APDSD	98	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
109	L0023792-01A -rerun @ x1	99	Sample
110	L0023792-02A Cd, Pb, Mn, Ni, TL, Zn Ø As -needs dilution	100	Sample
111	L0023792-03A -rerun @ x1	101	Sample
112	L0023792-04A	102	Sample
113	L0023792-05A	103	Sample
114	L0023792-06A ICPMS-130104B	104	Sample
115	L0023792-10A As, Cd, Pb, Mn, Ni, TL, Zn	105	Sample
116	L0023792-11A	106	Sample
117	L0023792-12A -rerun @ x1	107	Sample
118	L0023792-13A As, Cd, Pb, Mn, Ni, TL, Zn	108	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
119	L0023792-15A -rerun @ x1	109	Sample
120	L0023792-16A	110	Sample
121	L0023792-18A	111	Sample
122	L0023792-19A	112	Sample
123	L0023792-20A	113	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
9	ICSA	114	Sample
10	ICSAB	115	Spike - 2 of 114
436	MBLK-117596 6020-W-ALL	116	Sample
437	LCS-117596	117	Sample
438	L0023947-01B QC	118	Sample
439	L0023947-01BSD	119	Sample
440	L0023947-01BMS	120	Sample
441	L0023947-01BMSD	121	Sample
442	L0023947-01BPDS	122	Sample
443	L0023947-01BPDSD	123	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
142	L0023792-22A As, Cd, Pb, Mn, Ni, TL, Zn	124	Sample
143	L0023792-23A Cd, Pb, Mn, Ni, TL, Zn Ø As -needs dilution	125	Sample
144	L0023792-25A As, Cd, Pb, Mn, Ni, TL, Zn	126	Sample

1-7-13

145	L0023792-27A As, Cd, Pb, Mn, Ni, TL, Zn	127	Sample
146	L0023792-28A	128	Sample
147	L0023792-30A	129	Sample
148	L0023792-33A	130	Sample
149	L0023792-34A	131	Sample
150	L0023792-35A	132	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
9	ICSA	133	Sample
10	ICSAB	134	Spike - 2 of 133

13010715 24MS
1-7-13
RD

Run List

Sample File Name: 11.18.08.sam

Int. Std. 11058-60-14

AS Loc.	Sample ID	Batch Index	Sample Type
1	Cal Blank 06120-128-03		Blank
1	Std 1 11058-65-07		Standard
2	Std 2 -66-07		Standard
3	Std 3 -67-07		Standard
4	Std 4 -68-07		Standard
5	Std 5 -69-07		Standard
6	Std 6 -70-07		Standard
7	QC Std 1 -72-07		QC Std
1	QC Std 2 -75-07		QC Std
8	QC Std 3 06120-128-03		QC Std
9	ICSA 11058-73-07	2	Sample
10	ICSAB -74-07	3	Spike - 2 of 2

QC Std 4 11058-71-07
QC Std 6 06120-128-03

Run List

Sample File Name: 11.18.08.sam

AS Loc.	Sample ID	Batch Index	Sample Type
301	L0023792-01A As, Cd, Pb, Mn, Ni, TL, Zn 6020-W-ALL Batch# 117535	62	Sample
302	L0023792-02A As	63	Sample
303	L0023792-03A As, Cd, Pb, Mn, Ni, TL, Zn	64	Sample
304	L0023792-04A	65	Sample
305	L0023792-05A	66	Sample
306	L0023792-06A ICPMS-130107A	67	Sample
307	L0023792-12A	68	Sample
308	L0023792-15A JDP 1-8-13	69	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
309	L0023792-16A	70	Sample
310	L0023792-18A	71	Sample
311	L0023792-19A	72	Sample
312	L0023792-20A	73	Sample
313	L0023792-23A As 6020-W-ALL Batch # 117596	74	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
9	ICSA	75	Sample
10	ICSAB	76	Spike - 2 of 75
116	MBLK-117753 6020-TCLP-ALL	77	Sample
117	LCS-117753	78	Sample
118	L0023122-01A Se ICPMS-130107B	79	Sample
119	L0023122-01ASD	80	Sample
120	L0023122-01AMS JDP 1-8-13	81	Sample
121	L0023122-01APDS	82	Sample
122	L0023122-01ADUP	83	Sample
123	L0024122-01A As, Ba, Cd, Cr, Pb, Se, Ag	84	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
9	ICSA	85	Sample
10	ICSAB	86	Spike - 2 of 85
219	L0024089-01B As, Ba, Be, Cd, Cr, Co, Cu, Pb, Ni, V, Zn 6020-W-ALL Batch# 117693	87	Sample
220	L0024089-02B	88	Sample
227	L0024092-03C ~~Sb~~, As, Ba, Be, Cd, Cr, Co, Cu, Pb, Ni, Se, TL, V, Zn & Ag, Na	89	Sample
228	L0024092-04C	90	Sample
229	L0024092-05C	91	Sample
230	L0024092-06C Not reporting	92	Sample
231	L0024092-07C RD 1-8-13	93	Sample
232	L0024092-08C	94	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
9	ICSA	95	Sample
10	ICSAB	96	Spike - 2 of 95
101	MBLK-117752 6020-W-ALL	97	Sample

102	LCS-117752	98	Sample
103	L0024092-01C Ag, Zn	99	Sample
104	L0024092-01CSD	100	Sample
105	L0024092-01CMS	101	Sample
106	L0024092-01CMSD	102	Sample
107	L0024092-01CPDS	103	Sample
108	L0024092-01CPDSD	104	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
109	L0024092-02C	105	Sample
110	L0024092-03C Ag	106	Sample
111	L0024092-04C	107	Sample
112	L0024092-05C	108	Sample
113	L0024092-06C	109	Sample
114	L0024092-07C	110	Sample
115	L0024092-08C	111	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
9	ICSA	112	Sample
10	ICSAB	113	Spike - 2 of 112
201	MBLK-117694 6020_W_ALL	114	Sample
202	LCS-117694	115	Sample
203	L0024078-01D Zn	116	Sample
204	L0024078-01DSD	117	Sample
205	L0024078-01DMS	118	Sample
206	L0024078-01DMSD	119	Sample
207	L0024078-01DPDS	120	Sample
208	L0024078-01DPDSD	121	Sample
7	QC Std 4		QC Std
8	QC Std 6		QC Std
9	ICSA	122	Sample
10	ICSAB	123	Spike - 2 of 122

Analytical Sequence

Method : spl dan 6010B.C 200

130109/043 0U

Seq.	Loc.	Sample ID	
1	1	Calib Blank	
2	2	Calib Std 1	~~06126-89-0~~ BB 1-11-13 12091-84-04
3	3	Calib Std 2	06126-15-09
4	4	Calib Std 3	06126-39-09
5	5	Calib Std 4	06126-65-09
6	6	Calib Std 5	06126-89-09
7	7	ICV	06126-144-02
8	8	~~LLICV~~ BB 1-11-13	
9	9	ICB	
10	1	CCV	06126-229-02
11	2	CCB	
12	9	ICSA	06126-173-03
13	10	ICSAB	06126-213-03
14	101	RINSE BLANK	
15	101	RINSE BLANK	
16	102	MBLK-117535	6010-W
17	103	LCS-117535	
18	104	L0023792-17A	QC ONLY
19	105	L0023792-17ASD	
20	106	L0023792-17AMS	
21	107	L0023792-17AMSD	
22	1	CCV	
23	2	CCB	
24	108	L0023792-17APDS	
25	109	L0023792-17APDSD	
26	110	L0023792-02A	As orig
27	113	6010-S L0024318-02A	MN orig
28	114	L0024318-04A	
29	1	CCV	
30	2	CCB	
31	9	ICSA	
32	10	ICSAB	
33	111	RINSE BLANK	
34	112	RINSE BLANK	
35	115	MBLK-117861	200.7
36	116	LCS-117861	
37	117	L0024393-01B	AL Fe ZN orig
38	118	L0024393-01BSD	
39	119	L0024393-01BMS	
40	120	L0024393-01BMSD	
41	1	CCV	
42	2	CCB	
43	121	L0024393-01BPDS	
44	122	L0024393-01BPDSD	
45	123	L0024393-02B	
46	124	L0024393-03B	
47	125	L0024393-04B	
48	126	L0024393-05B	
49	1	CCV	
50	2	CCB	
51	9	ICSA	
52	10	ICSAB	
53	127	RINSE BLANK	
54	128	RINSE BLANK	
55	129	MBLK-117862	6010-W
56	130	LCS-117862	

ICP73000U_130109A
Bundy Brunaud 1-9-13

Analytical Sequence

Method : spl dan 6010B.C 200

Seq.	Loc.		Sample ID
57	131		L0024384-06C
58	132		L0024384-06CSD
59	133		L0024384-06CMS
60	134		L0024384-06CMSD
61	1	QC	CCV
62	2	QC	CCB
63	135		L0024384-06CPDS
64	136		L0024384-06CPDSD
65	1	QC	CCV
66	2	QC	CCB
67	9	QC	ICSA
68	10	QC	ICSAB
69	137		RINSE BLANK
70	138		RINSE BLANK

pb orig

Analytical Sequence

Method : spl dan 6010B.C 200

Seq.	Loc.	Sample ID	Status
57	135	L0024384-06CPDS	
58	136	L0024384-06CPDSD	
59	1	CCV	
60	2	CCB	
61	9	ICSA	
62	10	ICSAB	
63	137	RINSE BLANK	
64	138	RINSE BLANK	
65	1	CCV	
66	2	CCB	
67	201	MBLK-117878	6010-S ICP730000_130109B
68	202	LCS-117878	
69	203	L0024384-01C	Pb orig. Brandy Bernard 1-10-13
70	204	L0024384-01CSD	
71	205	L0024384-01CMS	
72	206	L0024384-01CMSD	
73	207	L0024384-01CPDS	
74	208	L0024384-01CPDSD	
75	209	L0024384-02C	
76	210	L0024384-03C	
77	1	CCV	
78	2	CCB	ICP730000_130109C
79	211	L0024384-04C	Brandy Bernard 1-10-13
80	212	L0024384-05C	
81	213	L0024399-01A	As Cd Cr Pb Ag ZN orig Se Repl
82	214	L0024399-04A	
83	215	L0024399-07A	
84	216	L0024399-10A	
85	217	L0024411-01A	Pb orig
86	218	L0024411-02A	
87	219	L0024441-01A	As Cd Cr Pb Ag ZN orig Se Repl
88	220	L0024441-02A	
89	1	CCV	
90	2	CCB	
91	9	ICSA	
92	10	ICSAB	
93	221	RINSE BLANK	
94	222	RINSE BLANK	
95	223	MBLK-117854	6010-W (JAR)
96	224	L0024320-08A	CA Mg NA orig
97	225	L0024320-08ADUP	
98	226	L0024320-01A	
99	227	L0024320-02A	
100	228	L0024320-03A	
101	1	CCV ✓	
102	2	CCB ✓	
103	229	L0024320-04A	
104	230	L0024320-05A	
105	231	L0024320-06A	
106	232	L0024320-07A	
107	233	L0024320-09A	
108	234	L0024320-10A	
109	235	L0024359-01A	
110	236	L0024359-02A	
111	237	L0024359-03A	
112	1	CCV	Ac(R)

Analytical Sequence

Method : spl dan 6010B.C 200

Seq.	Loc.		Sample ID	Status
113	2	QC	CCB	
114	9	QC	ICSA	
115	10	QC	ICSAB	
116	238		RINSE BLANK	
117	239		RINSE BLANK	

New Jersey ACCUTEST LABORATORIES

01/17/13

Technical Report for

Accutest SPL Lafayette

SEMS Incorporated, Delatte Metals Superfund, LA

L0023792

Accutest Job Number: JB24613

Sampling Dates: 12/12/12 - 12/14/12

Report to:

Client Service (AJ)

amyj@accutest.com

ATTN: Amy Jackson

Total number of pages in report: **981**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Nancy Cole
Laboratory Director

Client Service contact: Victoria Pushkova 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, OH VAP (CL0056), PA, RI, SC, TN, VA, WV

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Sample Summary

Accutest SPL Lafayette

Job No: JB24613

SEMS Incorporated, Delatte Metals Superfund, LA
Project No: L0023792

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JB24613-1	12/12/12	12:12		12/21/12	AQ	Water	BC-03
JB24613-2	12/12/12	12:34		12/21/12	AQ	Water	BC-07
JB24613-3	12/12/12	12:59		12/21/12	AQ	Water	DW-04
JB24613-4	12/13/12	10:47		12/21/12	AQ	Water	MW-6
JB24613-5	12/14/12	09:45		12/21/12	AQ	Water	BA-01
JB24613-6	12/14/12	10:52		12/21/12	AQ	Water	DW-02
JB24613-6D	12/14/12	10:52		12/21/12	AQ	Water Dup/MSD	DW-02
JB24613-6S	12/14/12	10:52		12/21/12	AQ	Water Matrix Spike	DW-02
JB24613-7	12/14/12	12:54		12/21/12	AQ	Water	BA-05
JB24613-8	12/14/12	14:17		12/21/12	AQ	Water	MW-01
JB24613-9	12/14/12	14:56		12/21/12	AQ	Water	BA-03
JB24613-10	12/14/12	15:19		12/21/12	AQ	Water	MW-2

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	Accutest SPL Lafayette	**Job No**	JB24613
Site:	SEMS Incorporated, Delatte Metals Superfund, LA	**Report Date**	1/2/2013 4:54:32 PM

On 12/21/2012, 10 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at Accutest Laboratories at a temperature of 5 C. Samples were intact and chemically preserved, unless noted below. An Accutest Job Number of JB24613 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Metals By Method SW846 6020A

Matrix: AQ **Batch ID:** MP68805

- All samples were digested within the recommended method holding time.
- All method blanks for this batch meet method specific criteria.
- Sample(s) JB24613-6MS, JB24613-6MSD, JB24613-6SDL were used as the QC samples for metals.
- Matrix Spike Recovery(s) for Nickel, Lead are outside control limits. Spike recovery indicates possible matrix interference.
- Matrix Spike Duplicate Recovery(s) for Nickel are outside control limits. Probable cause due to matrix interference.
- Matrix Spike Recovery(s) for Manganese, Zinc are outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
- RPD(s) for Serial Dilution for Thallium are outside control limits for sample MP68805-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).
- MP68805-SD1 for Lead: Serial dilution indicates possible matrix interference.
- MP68805-SD1 for Nickel: Serial dilution indicates possible matrix interference.
- MP68805-SD1 for Arsenic: Serial dilution indicates possible matrix interference.

Accutest certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting Accutest's Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

Accutest Laboratories is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by Accutest Laboratories indicated via signature on the report cover

Summary of Hits

Job Number: JB24613
Account: Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA
Collected: 12/12/12 thru 12/14/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JB24613-1	**BC-03**					
Manganese		22.9	2.0		ug/l	SW846 6020A
JB24613-2	**BC-07**					
Arsenic		1.7	1.0		ug/l	SW846 6020A
Manganese		35.7	2.0		ug/l	SW846 6020A
Nickel		2.3	2.0		ug/l	SW846 6020A
Zinc		4.4	4.0		ug/l	SW846 6020A
JB24613-3	**DW-04**					
Arsenic		2.2	1.0		ug/l	SW846 6020A
Lead		2.9	1.0		ug/l	SW846 6020A
Manganese		57.0	2.0		ug/l	SW846 6020A
JB24613-4	**MW-6**					
Arsenic		3.6	1.0		ug/l	SW846 6020A
Cadmium		65.0	1.0		ug/l	SW846 6020A
Manganese		4620	25		ug/l	SW846 6020A
Nickel		38.1	2.0		ug/l	SW846 6020A
Zinc		132	4.0		ug/l	SW846 6020A
JB24613-5	**BA-01**					
Arsenic		4.3	1.0		ug/l	SW846 6020A
Manganese		1200	10		ug/l	SW846 6020A
Nickel		32.3	2.0		ug/l	SW846 6020A
Zinc		31.9	4.0		ug/l	SW846 6020A
JB24613-6	**DW-02**					
Arsenic		60.3	1.0		ug/l	SW846 6020A
Cadmium		33.7	1.0		ug/l	SW846 6020A
Lead		45.5	1.0		ug/l	SW846 6020A
Manganese		16900	100		ug/l	SW846 6020A
Nickel		641	2.0		ug/l	SW846 6020A
Zinc		2110	20		ug/l	SW846 6020A
JB24613-7	**BA-05**					
Arsenic		2.9	1.0		ug/l	SW846 6020A
Lead		1.2	1.0		ug/l	SW846 6020A

Summary of Hits

Job Number: JB24613
Account: Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA
Collected: 12/12/12 thru 12/14/12

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Manganese		26000	100		ug/l	SW846 6020A
Nickel		96.3	2.0		ug/l	SW846 6020A
Zinc		7.0	4.0		ug/l	SW846 6020A
JB24613-8	**MW-01**					
Arsenic		62.3	1.0		ug/l	SW846 6020A
Cadmium		11.7	1.0		ug/l	SW846 6020A
Lead		12.8	1.0		ug/l	SW846 6020A
Manganese		7320	25		ug/l	SW846 6020A
Nickel		241	2.0		ug/l	SW846 6020A
Zinc		303	4.0		ug/l	SW846 6020A
JB24613-9	**BA-03**					
Arsenic		2.3	1.0		ug/l	SW846 6020A
Cadmium		40.9	1.0		ug/l	SW846 6020A
Lead		29.4	1.0		ug/l	SW846 6020A
Manganese		898	2.0		ug/l	SW846 6020A
Nickel		27.3	2.0		ug/l	SW846 6020A
Zinc		106	4.0		ug/l	SW846 6020A
JB24613-10	**MW-2**					
Arsenic		1.2	1.0		ug/l	SW846 6020A
Cadmium		37.6	1.0		ug/l	SW846 6020A
Lead		2.7	1.0		ug/l	SW846 6020A
Manganese		575	2.0		ug/l	SW846 6020A
Nickel		49.0	2.0		ug/l	SW846 6020A
Zinc		156	4.0		ug/l	SW846 6020A

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID: BC-03
Lab Sample ID: JB24613-1
Matrix: AQ - Water
Project: SEMS Incorporated, Delatte Metals Superfund, LA

Date Sampled: 12/12/12
Date Received: 12/21/12
Percent Solids: n/a

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [2]	SW846 3010A [3]
Cadmium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [2]	SW846 3010A [3]
Lead	< 1.0	1.0	ug/l	2	12/27/12	12/27/12	VC	SW846 6020A [1]	SW846 3010A [3]
Manganese	22.9	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [2]	SW846 3010A [3]
Nickel	< 2.0	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [2]	SW846 3010A [3]
Thallium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [2]	SW846 3010A [3]
Zinc	< 4.0	4.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA30163
(2) Instrument QC Batch: MA30182
(3) Prep QC Batch: MP68805

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BC-07		
Lab Sample ID:	JB24613-2	**Date Sampled:**	12/12/12
Matrix:	AQ - Water	**Date Received:**	12/21/12
		Percent Solids:	n/a
Project:	SEMS Incorporated, Delatte Metals Superfund, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.7	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Cadmium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Lead	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Manganese	35.7	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Nickel	2.3	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Thallium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Zinc	4.4	4.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA30182
(2) Prep QC Batch: MP68805

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DW-04		
Lab Sample ID:	JB24613-3	**Date Sampled:**	12/12/12
Matrix:	AQ - Water	**Date Received:**	12/21/12
		Percent Solids:	n/a
Project:	SEMS Incorporated, Delatte Metals Superfund, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.2	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Cadmium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Lead	2.9	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Manganese	57.0	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Nickel	< 2.0	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Thallium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Zinc	< 4.0	4.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA30182
(2) Prep QC Batch: MP68805

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-6		
Lab Sample ID:	JB24613-4	**Date Sampled:**	12/13/12
Matrix:	AQ - Water	**Date Received:**	12/21/12
		Percent Solids:	n/a
Project:	SEMS Incorporated, Delatte Metals Superfund, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	3.6	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Cadmium	65.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Lead	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Manganese	4620	25	ug/l	25	12/27/12	12/31/12	RP	SW846 6020A [2]	SW846 3010A [3]
Nickel	38.1	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Thallium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Zinc	132	4.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA30182
(2) Instrument QC Batch: MA30185
(3) Prep QC Batch: MP68805

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BA-01		
Lab Sample ID:	JB24613-5	**Date Sampled:**	12/14/12
Matrix:	AQ - Water	**Date Received:**	12/21/12
		Percent Solids:	n/a
Project:	SEMS Incorporated, Delatte Metals Superfund, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	4.3	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Cadmium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Lead	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Manganese	1200	10	ug/l	10	12/27/12	12/31/12	RP	SW846 6020A [2]	SW846 3010A [3]
Nickel	32.3	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Thallium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Zinc	31.9	4.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA30182
(2) Instrument QC Batch: MA30185
(3) Prep QC Batch: MP68805

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DW-02		
Lab Sample ID:	JB24613-6	**Date Sampled:**	12/14/12
Matrix:	AQ - Water	**Date Received:**	12/21/12
		Percent Solids:	n/a
Project:	SEMS Incorporated, Delatte Metals Superfund, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	60.3	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [2]	SW846 3010A [4]
Cadmium	33.7	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [2]	SW846 3010A [4]
Lead	45.5	1.0	ug/l	2	12/27/12	12/27/12	VC	SW846 6020A [1]	SW846 3010A [4]
Manganese	16900	100	ug/l	100	12/27/12	12/31/12	RP	SW846 6020A [3]	SW846 3010A [4]
Nickel	641	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [2]	SW846 3010A [4]
Thallium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [2]	SW846 3010A [4]
Zinc	2110	20	ug/l	10	12/27/12	12/31/12	RP	SW846 6020A [3]	SW846 3010A [4]

(1) Instrument QC Batch: MA30163
(2) Instrument QC Batch: MA30182
(3) Instrument QC Batch: MA30185
(4) Prep QC Batch: MP68805

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BA-05		
Lab Sample ID:	JB24613-7	**Date Sampled:**	12/14/12
Matrix:	AQ - Water	**Date Received:**	12/21/12
		Percent Solids:	n/a
Project:	SEMS Incorporated, Delatte Metals Superfund, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.9	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Cadmium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Lead	1.2	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Manganese	26000	100	ug/l	100	12/27/12	12/31/12	RP	SW846 6020A [2]	SW846 3010A [3]
Nickel	96.3	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Thallium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Zinc	7.0	4.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA30182
(2) Instrument QC Batch: MA30185
(3) Prep QC Batch: MP68805

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-01		
Lab Sample ID:	JB24613-8	**Date Sampled:**	12/14/12
Matrix:	AQ - Water	**Date Received:**	12/21/12
		Percent Solids:	n/a
Project:	SEMS Incorporated, Delatte Metals Superfund, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	62.3	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Cadmium	11.7	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Lead	12.8	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Manganese	7320	25	ug/l	25	12/27/12	12/31/12	RP	SW846 6020A [2]	SW846 3010A [3]
Nickel	241	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Thallium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]
Zinc	303	4.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [3]

(1) Instrument QC Batch: MA30182
(2) Instrument QC Batch: MA30185
(3) Prep QC Batch: MP68805

RL = Reporting Limit

Report of Analysis

Client Sample ID:	BA-03		
Lab Sample ID:	JB24613-9	**Date Sampled:**	12/14/12
Matrix:	AQ - Water	**Date Received:**	12/21/12
		Percent Solids:	n/a
Project:	SEMS Incorporated, Delatte Metals Superfund, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	2.3	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Cadmium	40.9	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Lead	29.4	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Manganese	898	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Nickel	27.3	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Thallium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Zinc	106	4.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA30182
(2) Prep QC Batch: MP68805

RL = Reporting Limit

Report of Analysis

Client Sample ID:	MW-2		
Lab Sample ID:	JB24613-10	**Date Sampled:**	12/14/12
Matrix:	AQ - Water	**Date Received:**	12/21/12
		Percent Solids:	n/a
Project:	SEMS Incorporated, Delatte Metals Superfund, LA		

Total Metals Analysis

Analyte	Result	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	1.2	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Cadmium	37.6	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Lead	2.7	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Manganese	575	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Nickel	49.0	2.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Thallium	< 1.0	1.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]
Zinc	156	4.0	ug/l	2	12/27/12	12/29/12	RP	SW846 6020A [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA30182
(2) Prep QC Batch: MP68805

RL = Reporting Limit

New Jersey ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

2 pages

GW

Accutest, Inc.
500 Ambassador Caffery Parkway

Scott, LA 70583-8544
(337) 237-4775

CHAIN-OF-CUSTODY RECORD

JB24613

Company	SEMS, INC.
Project Manager	Jackson, Amy K.
Project Name	207-0016 / DELATTE METALS SUPERFUND
QC Level	LVL4
Requested State	Louisiana

Subcontractor: VICKY PUSHKOVA
ACCUTEST LABORATORIES
2235 US HIGHWAY 130
DAYTON, NJ 08810

TEL: (732) 329-0200
FAX: (732) 329-3499
Acct #:

20-Dec-12

Sample ID		Client Sample	Matrix	Collection Date	Due Date	Requested Tests: SW3010A	SW6020 (*) + see list					
L0023792-07A	-1	BC-03	Water	12/12/12 12:12	01/01/13		1					1
L0023792-07A		BC-03	Water	12/12/12 12:12	12/25/12	1					ME 23	
L0023792-08A	-2	BC-07	Water	12/12/12 12:34	01/01/13		1					1
L0023792-08A		BC-07	Water	12/12/12 12:34	12/25/12	1						
L0023792-09A	-3	DW-04	Water	12/12/12 12:59	01/01/13		1					1
L0023792-09A		DW-04	Water	12/12/12 12:59	12/25/12	1						
L0023792-14A	-4	MW-6	Water	12/12/12 10:47	01/01/13		1					
L0023792-14A		MW-6	Water	12/12/12 10:47	12/25/12	1						
L0023792-21A	-5	BA-01	Water	12/14/12 9:45	01/01/13		1					1
L0023792-21A		BA-01	Water	12/14/12 9:45	12/25/12	1						
L0023792-24A	-6	DW-02	Water	12/14/12 10:52	01/01/13		1	> MS/MSD client specified				3
L0023792-24A		DW-02	Water	12/14/12 10:52	12/25/12	1						
L0023792-26A	-7	BA-05	Water	12/14/12 12:54	01/01/13		1					1
L0023792-26A		BA-05	Water	12/14/12 12:54	12/25/12	1						
L0023792-29A	-8	MW-01	Water	12/14/12 14:17	01/01/13		1					1
L0023792-29A		MW-01	Water	12/14/12 14:17	12/25/12	1						
L0023792-31A	-9	BA-03	Water	12/14/12 14:56	01/01/13		1					1
L0023792-31A		BA-03	Water	12/14/12 14:56	12/25/12	1						

Comments: Method 6020 analysis for As, Cd, Pb, Mn, Ni, Tl, and Zn. $90, full Tier 1 package needed. Please contact Amy Jackson for questions (800-304-5227). Please issue a full PDF report by e-mail (including COC documentation) to amyj@accutest.com.

CHECKED DEC 20 2012

		Date/Time			Date/Time
Relinquished by:	[signature]	12/20/12	Received by:	[signature] FedEx	12/20/12
Relinquished by:	FedEx	12/21/12 11:00	Received by:	[signature]	12/21/12 11:00

2 pt ALL SAMPLES RECEIVED PRESERVED AS APPLICABLE

ALL SAMPLES RECEIVED PRESERVED AS APPLICABLE

5.0° CD

5 I P

JB24613: Chain of Custody
Page 1 of 5

Accutest, Inc.
500 Ambassador Caffery Parkway

Scott, LA 70583-8544
(337) 237-4775

CHAIN-OF-CUSTODY RECORD

JB24613

Company	SEMS, INC.
Project Manager	Jackson, Amy K.
Project Name	207-0016 / DELATTE METALS SUPERFUND
QC Level	LVL4
Requested State	Louisiana

Subcontractor: VICKY PUSHKOVA
ACCUTEST LABORATORIES
2235 US HIGHWAY 130
DAYTON, NJ 08810

TEL: (732) 329-0200
FAX: (732) 329-3499

Acct #:

20-Dec-12

Sample ID	Client Sample	Matrix	Collection Date	Due Date	Requested Tests						
					SW3010A	SW6020					
L0023792-32A	MW-2	Water	12/14/12 15:19	01/01/13		1					
L0023792-32A	MW-2	Water	12/14/12 15:19	12/25/12	1						

CHECKED DEC 2 0 2012

Comments: Method 6020 analysis for As, Cd, Pb, Mn, Ni, Tl, and Zn. $90, full Tier 1 package needed. Please contact Amy Jackson for questions (800-304-5227). Please issue a full PDF report by e-mail (including COC documentation) to amyj@accutest.com.

		Date/Time			Date/Time
Relinquished by:		12/20/12	**Received by:**	FedEx	12/20/12
Relinquished by:	FedEx	12/21/12 11:00	**Received by:**		12/21/12 11:00

SLN

JB24613: Chain of Custody
Page 2 of 5

Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JB24613 **Client:** **Project:**

Date / Time Received: 12/21/2012 **Delivery Method:** **Airbill #'s:**

Cooler Temps (Initial/Adjusted): #1: (5/5); 0

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	Bar Therm		
3. Cooler media:	Ice (Bag)		
4. No. Coolers:	1		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Job Change Order: JB24613_1/2/2013

Requested Date:	1/2/2013	**Received Date:**	12/21/2012
Account Name:	Accutest SPL Lafayette	**Due Date:**	12/31/2012
Project	SEMS Incorporated, CNO Coroners Complex, LA	**Deliverable:**	FULT1
CSR:	VP	**TAT (Days):**	14

Sample #:
JB24613-All

Change: Please create new project to follow COC.

Above Changes Per: Amy Jackson **Date:** 1/2/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

ACCUTEST LABORATORIES
JB24613

Job Change Order: JB24613_1/17/2013

Requested Date:	1/17/2013	**Received Date:**	12/21/2012
Account Name:	Accutest SPL Lafayette	**Due Date:**	12/31/2012
Project	SEMS Incorporated, Delatte Metals Superfund,	**Deliverable:**	FULT1
CSR:	vickyp	**TAT (Days):**	1

Sample #:
JB24613-4

Change: Please revise sample collection date to 12/13/12 and re-issue the report.

MW-6

Above Changes Per: Amy Jackson **Date:** 1/17/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

Internal Sample Tracking Chronicle

Accutest SPL Lafayette

Job No: JB24613

SEMS Incorporated, Delatte Metals Superfund, LA
Project No: L0023792

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB24613-1	Collected: 12-DEC-12 12:12 By:			Received: 21-DEC-12	By:	SC
BC-03						
JB24613-1	SW846 6020A	27-DEC-12 22:18	VC	27-DEC-12	RP	PBMS
JB24613-1	SW846 6020A	29-DEC-12 06:38	RP	27-DEC-12	RP	ASMS, CDMS, MNMS, NIMS, TLMS, ZNMS
JB24613-2	Collected: 12-DEC-12 12:34 By:			Received: 21-DEC-12	By:	SC
BC-07						
JB24613-2	SW846 6020A	29-DEC-12 07:03	RP	27-DEC-12	RP	ASMS, CDMS, MNMS, NIMS, PBMS, TLMS, ZNMS
JB24613-3	Collected: 12-DEC-12 12:59 By:			Received: 21-DEC-12	By:	SC
DW-04						
JB24613-3	SW846 6020A	29-DEC-12 07:09	RP	27-DEC-12	RP	ASMS, CDMS, MNMS, NIMS, PBMS, TLMS, ZNMS
JB24613-4	Collected: 13-DEC-12 10:47 By:			Received: 21-DEC-12	By:	SC
MW-6						
JB24613-4	SW846 6020A	29-DEC-12 07:14	RP	27-DEC-12	RP	ASMS, CDMS, NIMS, PBMS, TLMS, ZNMS
JB24613-4	SW846 6020A	31-DEC-12 01:08	RP	27-DEC-12	RP	MNMS
JB24613-5	Collected: 14-DEC-12 09:45 By:			Received: 21-DEC-12	By:	SC
BA-01						
JB24613-5	SW846 6020A	29-DEC-12 07:19	RP	27-DEC-12	RP	ASMS, CDMS, NIMS, PBMS, TLMS, ZNMS
JB24613-5	SW846 6020A	31-DEC-12 01:13	RP	27-DEC-12	RP	MNMS
JB24613-6	Collected: 14-DEC-12 10:52 By:			Received: 21-DEC-12	By:	SC
DW-02						
JB24613-6	SW846 6020A	27-DEC-12 22:07	VC	27-DEC-12	RP	PBMS
JB24613-6	SW846 6020A	29-DEC-12 06:27	RP	27-DEC-12	RP	ASMS, CDMS, NIMS, TLMS
JB24613-6	SW846 6020A	31-DEC-12 00:37	RP	27-DEC-12	RP	ZNMS
JB24613-6	SW846 6020A	31-DEC-12 00:58	RP	27-DEC-12	RP	MNMS

Internal Sample Tracking Chronicle

Accutest SPL Lafayette

Job No: JB24613

SEMS Incorporated, Delatte Metals Superfund, LA
Project No: L0023792

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JB24613-7 BA-05	Collected: 14-DEC-12 12:54 By:			Received: 21-DEC-12	By:	SC
JB24613-7	SW846 6020A	29-DEC-12 07:24	RP	27-DEC-12	RP	ASMS, CDMS, NIMS, PBMS, TLMS, ZNMS
JB24613-7	SW846 6020A	31-DEC-12 01:19	RP	27-DEC-12	RP	MNMS
JB24613-8 MW-01	Collected: 14-DEC-12 14:17 By:			Received: 21-DEC-12	By:	SC
JB24613-8	SW846 6020A	29-DEC-12 07:30	RP	27-DEC-12	RP	ASMS, CDMS, NIMS, PBMS, TLMS, ZNMS
JB24613-8	SW846 6020A	31-DEC-12 01:24	RP	27-DEC-12	RP	MNMS
JB24613-9 BA-03	Collected: 14-DEC-12 14:56 By:			Received: 21-DEC-12	By:	SC
JB24613-9	SW846 6020A	29-DEC-12 07:35	RP	27-DEC-12	RP	ASMS, CDMS, MNMS, NIMS, PBMS, TLMS, ZNMS
JB24613-10 MW-2	Collected: 14-DEC-12 15:19 By:			Received: 21-DEC-12	By:	SC
JB24613-10	SW846 6020A	29-DEC-12 07:40	RP	27-DEC-12	RP	ASMS, CDMS, MNMS, NIMS, PBMS, TLMS, ZNMS

Accutest Internal Chain of Custody

Job Number: JB24613
Account: ALLA Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA
Received: 12/21/12

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB24613-1.1	Secured Storage	Rinku Patel	12/27/12 08:18	Retrieve from Storage
JB24613-1.1	Rinku Patel	Secured Storage	12/27/12 10:42	Return to Storage
JB24613-1.1.1	Rinku Patel	Metals Digestion	12/27/12 10:38	Digestate from JB24613-1.1
JB24613-1.1.1	Metals Digestion	Rinku Patel	12/27/12 10:38	Digestate from JB24613-1.1
JB24613-1.1.1	Rinku Patel	Metals Digestate Storage	12/27/12 10:38	Return to Storage
JB24613-2.1	Secured Storage	Rinku Patel	12/27/12 08:18	Retrieve from Storage
JB24613-2.1	Rinku Patel	Secured Storage	12/27/12 10:42	Return to Storage
JB24613-2.1.1	Rinku Patel	Metals Digestion	12/27/12 10:38	Digestate from JB24613-2.1
JB24613-2.1.1	Metals Digestion	Rinku Patel	12/27/12 10:38	Digestate from JB24613-2.1
JB24613-2.1.1	Rinku Patel	Metals Digestate Storage	12/27/12 10:38	Return to Storage
JB24613-3.1	Secured Storage	Rinku Patel	12/27/12 08:18	Retrieve from Storage
JB24613-3.1	Rinku Patel	Secured Storage	12/27/12 10:42	Return to Storage
JB24613-3.1.1	Rinku Patel	Metals Digestion	12/27/12 10:38	Digestate from JB24613-3.1
JB24613-3.1.1	Metals Digestion	Rinku Patel	12/27/12 10:38	Digestate from JB24613-3.1
JB24613-3.1.1	Rinku Patel	Metals Digestate Storage	12/27/12 10:38	Return to Storage
JB24613-4.1	Secured Storage	Rinku Patel	12/27/12 08:18	Retrieve from Storage
JB24613-4.1	Rinku Patel	Secured Storage	12/27/12 10:42	Return to Storage
JB24613-4.1.1	Rinku Patel	Metals Digestion	12/27/12 10:38	Digestate from JB24613-4.1
JB24613-4.1.1	Metals Digestion	Rinku Patel	12/27/12 10:38	Digestate from JB24613-4.1
JB24613-4.1.1	Rinku Patel	Metals Digestate Storage	12/27/12 10:38	Return to Storage
JB24613-5.1	Secured Storage	Rinku Patel	12/27/12 08:18	Retrieve from Storage
JB24613-5.1	Rinku Patel	Secured Storage	12/27/12 10:42	Return to Storage
JB24613-5.1.1	Rinku Patel	Metals Digestion	12/27/12 10:38	Digestate from JB24613-5.1
JB24613-5.1.1	Metals Digestion	Rinku Patel	12/27/12 10:38	Digestate from JB24613-5.1
JB24613-5.1.1	Rinku Patel	Metals Digestate Storage	12/27/12 10:38	Return to Storage
JB24613-6.3	Secured Storage	Rinku Patel	12/27/12 08:18	Retrieve from Storage
JB24613-6.3	Rinku Patel	Secured Storage	12/27/12 10:42	Return to Storage
JB24613-6.3.1	Rinku Patel	Metals Digestion	12/27/12 10:38	Digestate from JB24613-6.3
JB24613-6.3.1	Metals Digestion	Rinku Patel	12/27/12 10:38	Digestate from JB24613-6.3
JB24613-6.3.1	Rinku Patel	Metals Digestate Storage	12/27/12 10:38	Return to Storage
JB24613-7.1	Secured Storage	Rinku Patel	12/27/12 08:18	Retrieve from Storage
JB24613-7.1	Rinku Patel	Secured Storage	12/27/12 10:42	Return to Storage

Accutest Internal Chain of Custody

Job Number: JB24613
Account: ALLA Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA
Received: 12/21/12

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JB24613-7.1.1	Rinku Patel	Metals Digestion	12/27/12 10:38	Digestate from JB24613-7.1
JB24613-7.1.1	Metals Digestion	Rinku Patel	12/27/12 10:38	Digestate from JB24613-7.1
JB24613-7.1.1	Rinku Patel	Metals Digestate Storage	12/27/12 10:38	Return to Storage
JB24613-8.1	Secured Storage	Rinku Patel	12/27/12 08:18	Retrieve from Storage
JB24613-8.1	Rinku Patel	Secured Storage	12/27/12 10:42	Return to Storage
JB24613-8.1.1	Rinku Patel	Metals Digestion	12/27/12 10:38	Digestate from JB24613-8.1
JB24613-8.1.1	Metals Digestion	Rinku Patel	12/27/12 10:38	Digestate from JB24613-8.1
JB24613-8.1.1	Rinku Patel	Metals Digestate Storage	12/27/12 10:38	Return to Storage
JB24613-9.1	Secured Storage	Rinku Patel	12/27/12 08:18	Retrieve from Storage
JB24613-9.1	Rinku Patel	Secured Storage	12/27/12 10:42	Return to Storage
JB24613-9.1.1	Rinku Patel	Metals Digestion	12/27/12 10:38	Digestate from JB24613-9.1
JB24613-9.1.1	Metals Digestion	Rinku Patel	12/27/12 10:38	Digestate from JB24613-9.1
JB24613-9.1.1	Rinku Patel	Metals Digestate Storage	12/27/12 10:38	Return to Storage
JB24613-10.1	Secured Storage	Rinku Patel	12/27/12 08:18	Retrieve from Storage
JB24613-10.1	Rinku Patel	Secured Storage	12/27/12 10:42	Return to Storage
JB24613-10.1.1	Rinku Patel	Metals Digestion	12/27/12 10:38	Digestate from JB24613-10.1
JB24613-10.1.1	Metals Digestion	Rinku Patel	12/27/12 10:38	Digestate from JB24613-10.1
JB24613-10.1.1	Rinku Patel	Metals Digestate Storage	12/27/12 10:38	Return to Storage

New Jersey ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Instrument Runlogs
- Initial and Continuing Calibration Blanks
- Initial and Continuing Calibration Checks
- High and Low Check Standards
- Interfering Element Check Standards
- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries
- IDL and Linear Range Summaries

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
14:22	MA30163-STD1	1		STDA
14:27	MA30163-STD2	1		STDA
14:32	MA30163-STD3	1		STDB
14:38	MA30163-STD4	1		STDC
14:43	MA30163-STD5	1		STDD
14:48	MA30163-STD6	1		STDE
14:53	MA30163-STD7	1		STDF
14:59	MA30163-STD8	1		STDG
15:04	MA30163-STD9	1		STDH
15:09	MA30163-STD10	1		STDI
15:14	MA30163-STD11	1		STDJ
15:19	MA30163-ICVA1	1		
15:24	MA30163-ICB1	1		
15:29	MA30163-CRI1	1		Sb, Fe, Mn, Ni, SE and Zn out.
15:34	MA30163-CCVA1	1		
15:40	MA30163-CCB1	1		
15:47	ZZZZZZ	1		
15:52	ZZZZZZ	1		
15:57	ZZZZZZ	1		
16:07	MA30163-ICSA1	1		
16:13	MA30163-ICSAB1	1		
16:18	ZZZZZZ	5		
16:23	ZZZZZZ	25		
16:29	MP68732-S1	25		CRI out on Mn.
16:34	MP68732-S2	25		CRI out on Mn.
16:39	ZZZZZZ	1		
16:44	F99818-1	10		(sample used for QC only; not part of login JB24613)
16:49	MP68732-SD1	50		CRI out on Mn.
16:54	MA30163-CCVA2	1		
17:00	MA30163-CCB2	1		
17:05	ZZZZZZ	10		
17:10	ZZZZZZ	10		
17:15	ZZZZZZ	10		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
17:20	ZZZZZZ	25		
17:25	ZZZZZZ	25		
17:30	ZZZZZZ	10		
17:35	MA30163-CCVA3	1		
17:41	MA30163-CCB3	1		
17:46	ZZZZZZ	2		
17:51	ZZZZZZ	10		
17:56	C25285-17	10		(sample used for QC only; not part of login JB24613)
18:01	MP68793-MB1	1		
18:06	MP68793-B1	1		
18:11	MP68793-S1	1		
18:16	MP68793-S2	1		
18:22	ZZZZZZ	1		
18:27	MC17067-16	1		(sample used for QC only; not part of login JB24613)
18:32	MA30163-CCVA4	1		
18:37	MA30163-CCB4	1		
18:42	MA30163-CRI2	1		Sb, As, Be, Fe, Ni and Zn.
18:47	MP68786A-MB1	2		Batch to reanalysis.
18:52	MP68786A-MB2	2		
18:57	MP68786A-LC1	10		
19:02	MP68786A-S1	10		
19:08	MP68786A-S2	10		
19:13	MP68786A-S3	10		
19:18	MP68786A-S4	10		
19:23	ZZZZZZ	1		
19:28	JB23822-2	2		(sample used for QC only; not part of login JB24613)
19:33	MA30163-CCVA5	1		
19:38	MA30163-CCB5	1		
19:43	MP68786A-SD1	10		
19:48	JB23822-2F	2		(sample used for QC only; not part of login JB24613)
19:54	MP68786A-SD2	10		
19:59	ZZZZZZ	2		
20:04	ZZZZZZ	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
20:09	ZZZZZZ	2		
20:14	ZZZZZZ	2		
20:19	ZZZZZZ	1		
20:24	MP68812-MB1	5		Batch to reanalysis.
20:30	MA30163-CCVA6	1		
20:35	MA30163-CCB6	1		
20:40	MP68812-B1	25		
20:45	MP68812-S1	25		
20:50	MP68812-S2	25		
20:55	ZZZZZZ	1		
21:00	F99982-8	5		(sample used for QC only; not part of login JB24613)
21:05	MP68812-SD1	25		
21:10	ZZZZZZ	5		
21:15	ZZZZZZ	5		
21:21	ZZZZZZ	5		
21:26	ZZZZZZ	5		
21:31	MA30163-CCVA7	1		
21:36	MA30163-CCB7	1		
21:41	MP68805-MB1	2		CCB out on TL.
21:46	MP68805-LC1	2		CCB out on TL.
21:51	MP68805-S1	10		CCB out on TL.
21:57	MP68805-S2	10		CCB out on TL.
22:02	ZZZZZZ	1		
22:07	JB24613-6	2		CCB out on TL.
22:12	MP68805-SD1	10		CCB out on TL.
22:18	JB24613-1	2		CCB out on TL.
22:23	ZZZZZZ	1		
22:28	MA30163-CCVA8	1		
22:33	MA30163-CCB8	1		
22:38	JB24613-2	2		CCV and CCB out.
22:43	JB24613-3	2		CCV and CCB out.
22:49	JB24613-4	2		CCV and CCB out.
22:54	JB24613-5	2		CCV and CCB out.

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
22:59	JB24613-7	2		CCV and CCB out.
23:04	JB24613-8	2		CCV and CCB out.
23:10	JB24613-9	2		CCV and CCB out.
23:15	JB24613-10	2		CCV and CCB out.
23:20	ZZZZZZ	1		
23:25	MA30163-CCVA9	1		
23:30	MA30163-CCB9	1		
23:36	MA30163-CRI3	1		Sb, Fe, Mn, Zn, Cd, Ni, Se out for 6020. Cd, Ni and Se OK for 200.8.
23:41	ZZZZZZ	1		
23:46	MP68796-MB1	1		CCV out. Batch to reanalysis for Sb.
23:51	MP68796-LC1	1		CCV out.
23:56	MP68796-S1	1		CCV out.
00:01	MP68796-S2	1		CCV out.
00:07	MP68796-S3	1		CCV out.
00:12	ZZZZZZ	1		
00:17	FA7-1F	1		(sample used for QC only; not part of login JB24613)
00:23	MA30163-CCVA10	1		
00:28	MA30163-CCB10	1		
00:33	FA7-2F	1		(sample used for QC only; not part of login JB24613)
00:38	ZZZZZZ	1		
00:44	ZZZZZZ	1		
00:49	ZZZZZZ	1		
00:54	ZZZZZZ	1		
00:59	ZZZZZZ	1		
01:05	ZZZZZZ	1		
01:10	ZZZZZZ	1		
01:15	ZZZZZZ	1		
01:20	MA30163-CCVA11	1		
01:25	MA30163-CCB11	1		
01:31	ZZZZZZ	1		
01:36	ZZZZZZ	1		
01:41	ZZZZZZ	1		
01:46	ZZZZZZ	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Dilution Factor	PS Recov	Comments
01:51	ZZZZZZ	1		
01:56	ZZZZZZ	1		
02:01	ZZZZZZ	1		
02:06	ZZZZZZ	1		
02:12	ZZZZZZ	1		
02:17	MA30163-CCVA12	1		internal stds out.
02:22	MA30163-CCB12	1		internal stds out.
02:27	ZZZZZZ	1		
02:32	ZZZZZZ	1		
02:37	ZZZZZZ	1		
02:42	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
14:22	MA30163-STD1	100	100	100	100	100	100	100	100
14:27	MA30163-STD2	100	100	100	100	100	100	100	100
14:32	MA30163-STD3	101.286	101.572	102.973	101.192	102.003	100.064	101.29	101.258
14:38	MA30163-STD4	102.51	102.995	104.958	102.631	102.605	102.657	102.229	102.34
14:43	MA30163-STD5	100.077	100.807	99.963	99.142	101.248	98.397	98.152	100.206
14:48	MA30163-STD6	100.651	99.758	98.445	98.243	99.972	96.818	97.768	100.788
14:53	MA30163-STD7	95.526	94.597	92.017	92.199	94.69	92.528	93.676	96.051
14:59	MA30163-STD8	97.241	96.578	97.729	99.442	97.532	98.419	97.87	97.755
15:04	MA30163-STD9	99.971	100.457	100.574	100.712	100.728	98.928	98.666	99.172
15:09	MA30163-STD10	103.002	102.105	100.907	101.135	101.147	100.587	97.406	99.051
15:14	MA30163-STD11	95.826	100.791	100.748	100.656	99.467	99.411	98.061	96.792
15:19	MA30163-ICVA1	103.089	99.939	98.269	98.888	98.49	95.808	96.19	97.453
15:24	MA30163-ICB1	98.768	96.477	97.238	98.263	97.361	97.652	96.226	97.554
15:29	MA30163-CRI1	100.556	100.241	99.657	99.826	99.476	98.682	99.146	99.169
15:34	MA30163-CCVA1	102.244	100.657	98.32	98.642	98.961	97.338	95.183	96.623
15:40	MA30163-CCB1	101.12	99.591	100.39	99.971	99.14	98.978	99.111	99.327
15:47	ZZZZZZ	No results reported for the elements associated with this internal standard.							
15:52	ZZZZZZ	No results reported for the elements associated with this internal standard.							
15:57	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:07	MA30163-ICSA1	90.963	93.82	97.425	96.605	92.921	93.103	91.786	86.109
16:13	MA30163-ICSAB1	86.531	94.947	95.26	97.704	94.048	90.567	93.766	88.671
16:18	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:23	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:29	MP68732-S1	89.638	97.471	100.872	107.516	98.003	100.345	104.174	99.626
16:34	MP68732-S2	91.045	99.784	100.311	106.813	100.777	98.778	103.834	102.17
16:39	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:44	F99818-1	89.065	102.963	104.661	111.662	101.707	101.356	104.799	102.11
16:49	MP68732-SD1	99.232	100.078	101.222	108.472	102.93	102.206	106.721	104.467
16:54	MA30163-CCVA2	92.413	95.827	94.479	102.712	99.59	95.352	103.123	102.515
17:00	MA30163-CCB2	89.28	92.027	92.961	103.598	98.015	96.182	104.579	103.031
17:05	ZZZZZZ	86.515	99.636	101.497	111.466	100.113	100.444	104.993	100.217
17:10	ZZZZZZ	87.233	95.639	97.939	105.138	97.664	97.695	103.005	101.176
17:15	ZZZZZZ	87.764	99.53	100.797	108.258	99.516	99.762	102.561	101.361

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
17:20	ZZZZZZ	96.485	100.526	101.683	108.505	103.054	102.701	106.261	105.368
17:25	ZZZZZZ	96.399	100.103	102.635	110.827	103.428	103.334	107.025	104.809
17:30	ZZZZZZ	89.837	99.614	100.592	107.612	99.845	100.752	103.123	101.114
17:35	MA30163-CCVA3	93.293	95.966	95.533	104.507	99.318	96.833	103.275	102.194
17:41	MA30163-CCB3	90.597	94.419	96.704	105.274	99.234	98.65	105.142	104.571
17:46	ZZZZZZ	72.877	80.992	80.945	91.778	88.778	85.334	94.298	87.56
17:51	ZZZZZZ	90.151	94.148	94.154	103.284	98.748	97.811	104.377	102.561
17:56	C25285-17	88.495	93.057	93.357	103.593	97.062	95.855	102.836	100.543
18:01	MP68793-MB1	84.535	90.012	91.09	102.161	96.583	95.776	103.929	102.989
18:06	MP68793-B1	83.838	90.748	93.062	102.619	97.011	94.911	103.412	103.379
18:11	MP68793-S1	89.941	100.573	105.945	113.622	103.554	105.242	110.953	102.868
18:16	MP68793-S2	87.274	100.584	105.789	115.322	103.457	105.195	112.288	102.828
18:22	ZZZZZZ	No results reported for the elements associated with this internal standard.							
18:27	MC17067-16	87.257	97.878	105.104	116.485	101.828	106.491	113.501	101.137
18:32	MA30163-CCVA4	89.874	97.755	99.22	111.576	102.125	99.579	109.375	105.785
18:37	MA30163-CCB4	87.868	95.098	99.063	109.618	101.291	101.417	109.058	106.819
18:42	MA30163-CRI2	87.055	95.277	98.89	109.405	100.875	98.97	107.046	107.555
18:47	MP68786A-MB1	No results reported for the elements associated with this internal standard.							
18:52	MP68786A-MB2	No results reported for the elements associated with this internal standard.							
18:57	MP68786A-LC1	No results reported for the elements associated with this internal standard.							
19:02	MP68786A-S1	No results reported for the elements associated with this internal standard.							
19:08	MP68786A-S2	No results reported for the elements associated with this internal standard.							
19:13	MP68786A-S3	No results reported for the elements associated with this internal standard.							
19:18	MP68786A-S4	No results reported for the elements associated with this internal standard.							
19:23	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:28	JB23822-2	No results reported for the elements associated with this internal standard.							
19:33	MA30163-CCVA5	82.745	81.776	91.229	100.359	87.146	93.43	99.675	89.092
19:38	MA30163-CCB5	91.399	91.275	96.218	104.533	96.121	97.332	104.523	101.412
19:43	MP68786A-SD1	No results reported for the elements associated with this internal standard.							
19:48	JB23822-2F	No results reported for the elements associated with this internal standard.							
19:54	MP68786A-SD2	No results reported for the elements associated with this internal standard.							
19:59	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:04	ZZZZZZ	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
20:09	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:14	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:19	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:24	MP68812-MB1	No results reported for the elements associated with this internal standard.							
20:30	MA30163-CCVA6	90.49	87.779	88.313	96.771	91.21	89.349	95.253	96.176
20:35	MA30163-CCB6	91.453	90.071	91.518	98.256	94.519	94.752	100.452	100.512
20:40	MP68812-B1	No results reported for the elements associated with this internal standard.							
20:45	MP68812-S1	No results reported for the elements associated with this internal standard.							
20:50	MP68812-S2	No results reported for the elements associated with this internal standard.							
20:55	ZZZZZZ	No results reported for the elements associated with this internal standard.							
21:00	F99982-8	No results reported for the elements associated with this internal standard.							
21:05	MP68812-SD1	No results reported for the elements associated with this internal standard.							
21:10	ZZZZZZ	No results reported for the elements associated with this internal standard.							
21:15	ZZZZZZ	No results reported for the elements associated with this internal standard.							
21:21	ZZZZZZ	No results reported for the elements associated with this internal standard.							
21:26	ZZZZZZ	No results reported for the elements associated with this internal standard.							
21:31	MA30163-CCVA7	95.875	94.458	95.142	98.443	95.803	93.489	98.09	98.282
21:36	MA30163-CCB7	95.907	94.803	96.812	100.441	97.378	96.418	99.388	101.435
21:41	MP68805-MB1	87.471	85.096	85.686	93.808	92.964	90.807	97.163	95.044
21:46	MP68805-LC1	84.402	83.125	81.341	90.061	91.687	87.588	96.007	91.774
21:51	MP68805-S1	86.646	97.158	96.462	100.754	94.934	95.553	96.696	95.033
21:57	MP68805-S2	79.129	96.936	96.945	105.519	96.878	99.001	100.869	99.172
22:02	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:07	JB24613-6	52.012 !a	89.108	88.438	97.136	88.921	91.536	91.883	82.067
22:12	MP68805-SD1	66.387 !a	89.868	93.698	107.561	94.968	95.432	104.661	99.585
22:18	JB24613-1	55.226 !a	75.66	79.565	92.053	82.963	84.718	93.328	84.901
22:23	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:28	MA30163-CCVA8	80.202	83.372	86.073	97.32	90.775	89.516	98.352	97.608
22:33	MA30163-CCB8	77.316	83.206	87.025	99.135	90.705	91.02	99.93	100.084
22:38	JB24613-2	No results reported for the elements associated with this internal standard.							
22:43	JB24613-3	No results reported for the elements associated with this internal standard.							
22:49	JB24613-4	No results reported for the elements associated with this internal standard.							
22:54	JB24613-5	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
22:59	JB24613-7	No results reported for the elements associated with this internal standard.							
23:04	JB24613-8	No results reported for the elements associated with this internal standard.							
23:10	JB24613-9	No results reported for the elements associated with this internal standard.							
23:15	JB24613-10	No results reported for the elements associated with this internal standard.							
23:20	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:25	MA30163-CCVA9	72.922	72.909	74.735	83.365	80.042	78.592	84.402	84.218
23:30	MA30163-CCB9	75.935	76.069	78.235	85.271	83.388	82.572	88.343	89.496
23:36	MA30163-CRI3	74.956	75.842	76.058	85.07	83.296	81.645	88.878	87.35
23:41	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:46	MP68796-MB1	No results reported for the elements associated with this internal standard.							
23:51	MP68796-LC1	No results reported for the elements associated with this internal standard.							
23:56	MP68796-S1	No results reported for the elements associated with this internal standard.							
00:01	MP68796-S2	No results reported for the elements associated with this internal standard.							
00:07	MP68796-S3	No results reported for the elements associated with this internal standard.							
00:12	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:17	FA7-1F	No results reported for the elements associated with this internal standard.							
00:23	MA30163-CCVA10	No results reported for the elements associated with this internal standard.							
00:28	MA30163-CCB10	No results reported for the elements associated with this internal standard.							
00:33	FA7-2F	No results reported for the elements associated with this internal standard.							
00:38	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:44	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:49	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:54	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:59	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:05	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:10	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:15	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:20	MA30163-CCVA11	No results reported for the elements associated with this internal standard.							
01:25	MA30163-CCB11	No results reported for the elements associated with this internal standard.							
01:31	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:36	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:41	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:46	ZZZZZZ	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
01:51	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:56	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:01	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:06	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:12	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:17	MA30163-CCVA12	No results reported for the elements associated with this internal standard.							
02:22	MA30163-CCB12	No results reported for the elements associated with this internal standard.							
02:27	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:32	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:37	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:42	ZZZZZZ	No results reported for the elements associated with this internal standard.							

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#1	Lithium	60-125 %
Istd#2	Scandium (45-1)	60-125 %
Istd#3	Scandium (45-2)	60-125 %
Istd#4	Scandium (45-3)	60-125 %
Istd#5	Germanium (72-1)	60-125 %
Istd#6	Germanium (72-2)	60-125 %
Istd#7	Germanium (72-3)	60-125 %
Istd#8	Rhodium (103-1)	60-125 %

(a) No samples reported for the elements associated with this internal standard.

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
14:22	MA30163-STD1	100	100	100	100	100	100	100	100
14:27	MA30163-STD2	100	100	100	100	100	100	100	100
14:32	MA30163-STD3	101.195	101.888	102.535	100.519	101.434	100.593	101.416	101.022
14:38	MA30163-STD4	102.647	102.518	103.611	101.809	101.488	101.768	102.161	101.012
14:43	MA30163-STD5	100.15	101.048	100.329	100.152	99.895	100.346	99.276	100.903
14:48	MA30163-STD6	99.365	100.707	99.253	101.118	100.411	101.363	100.548	101.066
14:53	MA30163-STD7	95.004	97.543	94.49	98.069	97.259	98.526	97.051	98.948
14:59	MA30163-STD8	98.55	98.862	99.913	99.762	99.971	99.683	99.821	99.441
15:04	MA30163-STD9	99.673	99.99	100.86	99.808	100.389	100.037	100.607	99.817
15:09	MA30163-STD10	98.415	100.162	99.837	100.809	101.605	101.677	102.195	99.481
15:14	MA30163-STD11	97.075	99.822	98.62	103.235	101.335	103.646	101.868	100.094
15:19	MA30163-ICVA1	95.986	99.185	97.549	101.318	100.533	101.355	100.725	98.397
15:24	MA30163-ICB1	97.794	99.246	98.915	98.299	98.333	99.361	98.685	98.991
15:29	MA30163-CRI1	99.219	100.171	101.317	99.808	100.757	99.931	100.588	100.034
15:34	MA30163-CCVA1	96.374	99.302	97.021	99.171	99.515	99.646	100.017	96.931
15:40	MA30163-CCB1	99.056	100.324	100.709	99.924	99.33	100.283	99.465	99.621
15:47	ZZZZZZ	No results reported for the elements associated with this internal standard.							
15:52	ZZZZZZ	No results reported for the elements associated with this internal standard.							
15:57	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:07	MA30163-ICSA1	85.96	92.621	93.081	100.476	97.468	101.453	98.35	93.981
16:13	MA30163-ICSAB1	86.073	96.342	91.945	104.5	98.309	105.844	98.968	97.983
16:18	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:23	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:29	MP68732-S1	100.228	104.698	100.653	109.484	105.704	110.19	106.68	109.456
16:34	MP68732-S2	100.313	106.824	100.898	112.34	106.752	113.199	107.36	112.177
16:39	ZZZZZZ	No results reported for the elements associated with this internal standard.							
16:44	F99818-1	99.637	107.204	100.811	113.629	107.184	114.698	109.002	113.663
16:49	MP68732-SD1	103.301	109.102	102.869	113.166	107.605	113.152	108.682	113.593
16:54	MA30163-CCVA2	98.93	108.157	97.408	113.089	105.768	114.711	107.107	113.158
17:00	MA30163-CCB2	100.775	108.925	100.287	112.491	105.788	113.442	106.85	115.341
17:05	ZZZZZZ	97.695	106.012	98.42	112.455	105.473	113.735	106.71	111.782
17:10	ZZZZZZ	99.949	107.314	100.164	112.858	106.597	113.98	107.71	115.073
17:15	ZZZZZZ	99.146	106.425	98.587	112.784	106.13	113.389	107.605	112.612

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
17:20	ZZZZZZ	103.801	109.643	103.252	113.914	107.317	114.671	108.263	115.177
17:25	ZZZZZZ	103.971	109.138	103.491	111.911	107.383	112.707	108.349	113.52
17:30	ZZZZZZ	100.288	106.207	99.949	111.874	106.601	112.476	107.633	112.298
17:35	MA30163-CCVA3	100.13	108.602	98.862	112.854	105.543	113.534	106.577	112.217
17:41	MA30163-CCB3	102.933	109.407	102.454	111.865	106.2	112.888	106.767	114.283
17:46	ZZZZZZ	85.306	96.554	86.407	106.544	98.085	107.65	99.648	105.859
17:51	ZZZZZZ	100.015	109.437	100.186	114.792	106.907	115.361	108.38	117.204
17:56	C25285-17	98.681	108.354	98.487	114.132	106.315	115.741	107.516	115.925
18:01	MP68793-MB1	100.198	108.571	99.116	113.321	104.865	113.695	106.044	116.359
18:06	MP68793-B1	100.608	108.385	98.783	115.692	106.94	116.451	107.857	117.692
18:11	MP68793-S1	102.56	109.937	105.302	116.044	110.175	116.593	111.271	115.644
18:16	MP68793-S2	101.479	109.765	103.511	114.879	108.486	115.592	109.71	114.298
18:22	ZZZZZZ	No results reported for the elements associated with this internal standard.							
18:27	MC17067-16	101.823	109.593	105.806	114.67	109.762	116.085	110.666	112.744
18:32	MA30163-CCVA4	103.069	112.296	101.953	117.359	109.804	119.331	110.648	118.067
18:37	MA30163-CCB4	105.446	112.929	104.545	116.664	109.005	118.068	110.291	119.352
18:42	MA30163-CRI2	104.766	112.491	104.112	116.575	108.477	117.044	109.014	119.123
18:47	MP68786A-MB1	No results reported for the elements associated with this internal standard.							
18:52	MP68786A-MB2	No results reported for the elements associated with this internal standard.							
18:57	MP68786A-LC1	No results reported for the elements associated with this internal standard.							
19:02	MP68786A-S1	No results reported for the elements associated with this internal standard.							
19:08	MP68786A-S2	No results reported for the elements associated with this internal standard.							
19:13	MP68786A-S3	No results reported for the elements associated with this internal standard.							
19:18	MP68786A-S4	No results reported for the elements associated with this internal standard.							
19:23	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:28	JB23822-2	No results reported for the elements associated with this internal standard.							
19:33	MA30163-CCVA5	96.878	95.244	97.062	102.484	106.139	103.615	107.395	103.692
19:38	MA30163-CCB5	102.114	107.013	102.142	111.162	107.368	112.079	107.6	113.929
19:43	MP68786A-SD1	No results reported for the elements associated with this internal standard.							
19:48	JB23822-2F	No results reported for the elements associated with this internal standard.							
19:54	MP68786A-SD2	No results reported for the elements associated with this internal standard.							
19:59	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:04	ZZZZZZ	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
20:09	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:14	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:19	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:24	MP68812-MB1	No results reported for the elements associated with this internal standard.							
20:30	MA30163-CCVA6	94.605	102.62	95.005	110.217	104.022	111.739	105.929	111.503
20:35	MA30163-CCB6	99.247	106.017	99.245	111.781	105.129	113.105	105.909	115.022
20:40	MP68812-B1	No results reported for the elements associated with this internal standard.							
20:45	MP68812-S1	No results reported for the elements associated with this internal standard.							
20:50	MP68812-S2	No results reported for the elements associated with this internal standard.							
20:55	ZZZZZZ	No results reported for the elements associated with this internal standard.							
21:00	F99982-8	No results reported for the elements associated with this internal standard.							
21:05	MP68812-SD1	No results reported for the elements associated with this internal standard.							
21:10	ZZZZZZ	No results reported for the elements associated with this internal standard.							
21:15	ZZZZZZ	No results reported for the elements associated with this internal standard.							
21:21	ZZZZZZ	No results reported for the elements associated with this internal standard.							
21:26	ZZZZZZ	No results reported for the elements associated with this internal standard.							
21:31	MA30163-CCVA7	96.937	103.294	97.572	108.541	104.492	109.072	105.163	107.947
21:36	MA30163-CCB7	100.291	105.831	101.142	109.168	105.097	110.186	105.405	111.546
21:41	MP68805-MB1	93.267	100.467	93.204	106.301	99.66	107.224	99.938	109.296
21:46	MP68805-LC1	88.397	99.147	87.494	105.868	97.616	107.724	98.695	107.249
21:51	MP68805-S1	92.719	102.376	94.757	112.466	105.113	114.036	106.781	106.919
21:57	MP68805-S2	96.56	107.573	98.153	118.351	109.207	120.09	110.38	114.172
22:02	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:07	JB24613-6	77.714	92.924	80.144	114.745	99.291	116.187	101.566	100.313
22:12	MP68805-SD1	97.039	111.43	97.822	124.939	110.569	127.811	112.838	122.878
22:18	JB24613-1	81.837	96.867	82.729	109.36	95.886	111.254	98.239	105.188
22:23	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:28	MA30163-CCVA8	94.92	105.332	93.597	114.227	104.653	114.988	105.947	115.378
22:33	MA30163-CCB8	98.953	107.684	97.442	114.062	105.545	116.094	106.863	118.482
22:38	JB24613-2	No results reported for the elements associated with this internal standard.							
22:43	JB24613-3	No results reported for the elements associated with this internal standard.							
22:49	JB24613-4	No results reported for the elements associated with this internal standard.							
22:54	JB24613-5	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
22:59	JB24613-7	No results reported for the elements associated with this internal standard.							
23:04	JB24613-8	No results reported for the elements associated with this internal standard.							
23:10	JB24613-9	No results reported for the elements associated with this internal standard.							
23:15	JB24613-10	No results reported for the elements associated with this internal standard.							
23:20	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:25	MA30163-CCVA9	82.758	92.079	82.408	99.016	91.466	99.639	92.839	100.607
23:30	MA30163-CCB9	87.338	95.767	86.897	101.104	93.299	102.254	94.486	104.563
23:36	MA30163-CRI3	85.709	94.655	85.68	99.013	91.348	99.527	92.54	102.441
23:41	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:46	MP68796-MB1	No results reported for the elements associated with this internal standard.							
23:51	MP68796-LC1	No results reported for the elements associated with this internal standard.							
23:56	MP68796-S1	No results reported for the elements associated with this internal standard.							
00:01	MP68796-S2	No results reported for the elements associated with this internal standard.							
00:07	MP68796-S3	No results reported for the elements associated with this internal standard.							
00:12	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:17	FA7-1F	No results reported for the elements associated with this internal standard.							
00:23	MA30163-CCVA10	No results reported for the elements associated with this internal standard.							
00:28	MA30163-CCB10	No results reported for the elements associated with this internal standard.							
00:33	FA7-2F	No results reported for the elements associated with this internal standard.							
00:38	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:44	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:49	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:54	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:59	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:05	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:10	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:15	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:20	MA30163-CCVA11	No results reported for the elements associated with this internal standard.							
01:25	MA30163-CCB11	No results reported for the elements associated with this internal standard.							
01:31	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:36	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:41	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:46	ZZZZZZ	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
01:51	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:56	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:01	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:06	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:12	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:17	MA30163-CCVA12	No results reported for the elements associated with this internal standard.							
02:22	MA30163-CCB12	No results reported for the elements associated with this internal standard.							
02:27	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:32	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:37	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:42	ZZZZZZ	No results reported for the elements associated with this internal standard.							

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#9	Rhodium (103-2)	60-125 %
Istd#10	Indium (115-1)	60-125 %
Istd#11	Indium (115-2)	60-125 %
Istd#12	Terbium (159-1)	60-125 %
Istd#13	Terbium (159-2)	60-125 %
Istd#14	Holmium (165-1)	60-125 %
Istd#15	Holmium (165-2)	60-125 %
Istd#16	Bismuth (209-1)	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#17
14:22	MA30163-STD1	100
14:27	MA30163-STD2	100
14:32	MA30163-STD3	100.932
14:38	MA30163-STD4	101.497
14:43	MA30163-STD5	99.169
14:48	MA30163-STD6	99.97
14:53	MA30163-STD7	97.365
14:59	MA30163-STD8	98.95
15:04	MA30163-STD9	99.257
15:09	MA30163-STD10	98.203
15:14	MA30163-STD11	97.195
15:19	MA30163-ICVA1	97.413
15:24	MA30163-ICB1	97.92
15:29	MA30163-CRI1	99.813
15:34	MA30163-CCVA1	96.315
15:40	MA30163-CCB1	98.357
15:47	ZZZZZZ	No results reported for the elements associated with this internal standard.
15:52	ZZZZZZ	No results reported for the elements associated with this internal standard.
15:57	ZZZZZZ	No results reported for the elements associated with this internal standard.
16:07	MA30163-ICSA1	89.363
16:13	MA30163-ICSAB1	91.253
16:18	ZZZZZZ	No results reported for the elements associated with this internal standard.
16:23	ZZZZZZ	No results reported for the elements associated with this internal standard.
16:29	MP68732-S1	105.466
16:34	MP68732-S2	106.356
16:39	ZZZZZZ	No results reported for the elements associated with this internal standard.
16:44	F99818-1	106.691
16:49	MP68732-SD1	108.848
16:54	MA30163-CCVA2	106.62
17:00	MA30163-CCB2	107.895
17:05	ZZZZZZ	105.117
17:10	ZZZZZZ	107.371
17:15	ZZZZZZ	105.239

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#17
17:20	ZZZZZZ	108.711
17:25	ZZZZZZ	108.724
17:30	ZZZZZZ	106.294
17:35	MA30163-CCVA3	105.553
17:41	MA30163-CCB3	108.077
17:46	ZZZZZZ	96.463
17:51	ZZZZZZ	109.24
17:56	C25285-17	108.05
18:01	MP68793-MB1	108.453
18:06	MP68793-B1	108.718
18:11	MP68793-S1	107.798
18:16	MP68793-S2	107.391
18:22	ZZZZZZ	No results reported for the elements associated with this internal standard.
18:27	MC17067-16	108.428
18:32	MA30163-CCVA4	110.144
18:37	MA30163-CCB4	111.75
18:42	MA30163-CRI2	111.306
18:47	MP68786A-MB1	No results reported for the elements associated with this internal standard.
18:52	MP68786A-MB2	No results reported for the elements associated with this internal standard.
18:57	MP68786A-LC1	No results reported for the elements associated with this internal standard.
19:02	MP68786A-S1	No results reported for the elements associated with this internal standard.
19:08	MP68786A-S2	No results reported for the elements associated with this internal standard.
19:13	MP68786A-S3	No results reported for the elements associated with this internal standard.
19:18	MP68786A-S4	No results reported for the elements associated with this internal standard.
19:23	ZZZZZZ	No results reported for the elements associated with this internal standard.
19:28	JB23822-2	No results reported for the elements associated with this internal standard.
19:33	MA30163-CCVA5	106.496
19:38	MA30163-CCB5	109.593
19:43	MP68786A-SD1	No results reported for the elements associated with this internal standard.
19:48	JB23822-2F	No results reported for the elements associated with this internal standard.
19:54	MP68786A-SD2	No results reported for the elements associated with this internal standard.
19:59	ZZZZZZ	No results reported for the elements associated with this internal standard.
20:04	ZZZZZZ	No results reported for the elements associated with this internal standard.

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#17
20:09	ZZZZZZ	No results reported for the elements associated with this internal standard.
20:14	ZZZZZZ	No results reported for the elements associated with this internal standard.
20:19	ZZZZZZ	No results reported for the elements associated with this internal standard.
20:24	MP68812-MB1	No results reported for the elements associated with this internal standard.
20:30	MA30163-CCVA6	104.004
20:35	MA30163-CCB6	107.738
20:40	MP68812-B1	No results reported for the elements associated with this internal standard.
20:45	MP68812-S1	No results reported for the elements associated with this internal standard.
20:50	MP68812-S2	No results reported for the elements associated with this internal standard.
20:55	ZZZZZZ	No results reported for the elements associated with this internal standard.
21:00	F99982-8	No results reported for the elements associated with this internal standard.
21:05	MP68812-SD1	No results reported for the elements associated with this internal standard.
21:10	ZZZZZZ	No results reported for the elements associated with this internal standard.
21:15	ZZZZZZ	No results reported for the elements associated with this internal standard.
21:21	ZZZZZZ	No results reported for the elements associated with this internal standard.
21:26	ZZZZZZ	No results reported for the elements associated with this internal standard.
21:31	MA30163-CCVA7	102.891
21:36	MA30163-CCB7	106.125
21:41	MP68805-MB1	101.116
21:46	MP68805-LC1	98.003
21:51	MP68805-S1	99.917
21:57	MP68805-S2	104.617
22:02	ZZZZZZ	No results reported for the elements associated with this internal standard.
22:07	JB24613-6	87.095
22:12	MP68805-SD1	108.926
22:18	JB24613-1	91.549
22:23	ZZZZZZ	No results reported for the elements associated with this internal standard.
22:28	MA30163-CCVA8	105.323
22:33	MA30163-CCB8	108.991
22:38	JB24613-2	No results reported for the elements associated with this internal standard.
22:43	JB24613-3	No results reported for the elements associated with this internal standard.
22:49	JB24613-4	No results reported for the elements associated with this internal standard.
22:54	JB24613-5	No results reported for the elements associated with this internal standard.

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#17
22:59	JB24613-7	No results reported for the elements associated with this internal standard.
23:04	JB24613-8	No results reported for the elements associated with this internal standard.
23:10	JB24613-9	No results reported for the elements associated with this internal standard.
23:15	JB24613-10	No results reported for the elements associated with this internal standard.
23:20	ZZZZZZ	No results reported for the elements associated with this internal standard.
23:25	MA30163-CCVA9	93.562
23:30	MA30163-CCB9	96.858
23:36	MA30163-CRI3	94.958
23:41	ZZZZZZ	No results reported for the elements associated with this internal standard.
23:46	MP68796-MB1	No results reported for the elements associated with this internal standard.
23:51	MP68796-LC1	No results reported for the elements associated with this internal standard.
23:56	MP68796-S1	No results reported for the elements associated with this internal standard.
00:01	MP68796-S2	No results reported for the elements associated with this internal standard.
00:07	MP68796-S3	No results reported for the elements associated with this internal standard.
00:12	ZZZZZZ	No results reported for the elements associated with this internal standard.
00:17	FA7-1F	No results reported for the elements associated with this internal standard.
00:23	MA30163-CCVA10	No results reported for the elements associated with this internal standard.
00:28	MA30163-CCB10	No results reported for the elements associated with this internal standard.
00:33	FA7-2F	No results reported for the elements associated with this internal standard.
00:38	ZZZZZZ	No results reported for the elements associated with this internal standard.
00:44	ZZZZZZ	No results reported for the elements associated with this internal standard.
00:49	ZZZZZZ	No results reported for the elements associated with this internal standard.
00:54	ZZZZZZ	No results reported for the elements associated with this internal standard.
00:59	ZZZZZZ	No results reported for the elements associated with this internal standard.
01:05	ZZZZZZ	No results reported for the elements associated with this internal standard.
01:10	ZZZZZZ	No results reported for the elements associated with this internal standard.
01:15	ZZZZZZ	No results reported for the elements associated with this internal standard.
01:20	MA30163-CCVA11	No results reported for the elements associated with this internal standard.
01:25	MA30163-CCB11	No results reported for the elements associated with this internal standard.
01:31	ZZZZZZ	No results reported for the elements associated with this internal standard.
01:36	ZZZZZZ	No results reported for the elements associated with this internal standard.
01:41	ZZZZZZ	No results reported for the elements associated with this internal standard.
01:46	ZZZZZZ	No results reported for the elements associated with this internal standard.

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: VC Run ID: MA30163
Parameters: Pb

Time	Sample Description	Istd#17
01:51	ZZZZZZ	No results reported for the elements associated with this internal standard.
01:56	ZZZZZZ	No results reported for the elements associated with this internal standard.
02:01	ZZZZZZ	No results reported for the elements associated with this internal standard.
02:06	ZZZZZZ	No results reported for the elements associated with this internal standard.
02:12	ZZZZZZ	No results reported for the elements associated with this internal standard.
02:17	MA30163-CCVA12	No results reported for the elements associated with this internal standard.
02:22	MA30163-CCB12	No results reported for the elements associated with this internal standard.
02:27	ZZZZZZ	No results reported for the elements associated with this internal standard.
02:32	ZZZZZZ	No results reported for the elements associated with this internal standard.
02:37	ZZZZZZ	No results reported for the elements associated with this internal standard.
02:42	ZZZZZZ	No results reported for the elements associated with this internal standard.

! = Outside limits.

LEGEND:

Istd#	Parameter	Limits
Istd#17	Bismuth (209-2)	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: result < RL Run ID: MA30163 Units: ug/l

Time:			15:24		15:40		17:00		17:41	
Sample ID:			ICB1		CCB1		CCB2		CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	25	.057								
Antimony	0.50	.014	anr							
Arsenic	0.50	.022	anr							
Barium	1.0	.03								
Beryllium	0.50	.004	anr							
Boron	5.0	.46								
Cadmium	0.50	.004	anr							
Calcium	250	1.6								
Chromium	1.0	.051	anr							
Cobalt	0.50	.004								
Copper	1.0	.017	anr							
Iron	25	.66	anr							
Lead	0.50	.005	0.18	<0.50	0.14	<0.50	0.12	<0.50	0.15	<0.50
Magnesium	250	.2								
Manganese	1.0	.02	anr							
Molybdenum	1.0	.075								
Nickel	1.0	.051	anr							
Potassium	250	1.9								
Selenium	0.50	.03	anr							
Silver	0.50	.005	anr							
Sodium	250	1.2	anr							
Strontium	5.0	.007								
Thallium	0.50	.049	anr							
Tin	5.0	.028								
Titanium	1.0	.031								
Vanadium	1.0	.022								
Zinc	2.0	.081	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: result < RL Run ID: MA30163 Units: ug/l

Time:			18:37		19:38		20:35		21:36	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	25	.057								
Antimony	0.50	.014	anr							
Arsenic	0.50	.022	anr							
Barium	1.0	.03								
Beryllium	0.50	.004	anr							
Boron	5.0	.46								
Cadmium	0.50	.004	anr							
Calcium	250	1.6								
Chromium	1.0	.051	anr							
Cobalt	0.50	.004								
Copper	1.0	.017	anr							
Iron	25	.66	anr							
Lead	0.50	.005	0.14	<0.50	0.18	<0.50	0.14	<0.50	0.14	<0.50
Magnesium	250	.2								
Manganese	1.0	.02	anr							
Molybdenum	1.0	.075								
Nickel	1.0	.051	anr							
Potassium	250	1.9								
Selenium	0.50	.03	anr							
Silver	0.50	.005	anr							
Sodium	250	1.2	anr							
Strontium	5.0	.007								
Thallium	0.50	.049	anr							
Tin	5.0	.028								
Titanium	1.0	.031								
Vanadium	1.0	.022								
Zinc	2.0	.081	anr							

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: result < RL Run ID: MA30163 Units: ug/l

Time: / Sample ID: / Metal	RL	IDL	22:33 CCB8 raw	final	23:30 CCB9 raw	final
Aluminum	25	.057				
Antimony	0.50	.014	anr			
Arsenic	0.50	.022	anr			
Barium	1.0	.03				
Beryllium	0.50	.004	anr			
Boron	5.0	.46				
Cadmium	0.50	.004	anr			
Calcium	250	1.6				
Chromium	1.0	.051	anr			
Cobalt	0.50	.004				
Copper	1.0	.017	anr			
Iron	25	.66	anr			
Lead	0.50	.005	0.24	<0.50	0.11	<0.50
Magnesium	250	.2				
Manganese	1.0	.02	anr			
Molybdenum	1.0	.075				
Nickel	1.0	.051	anr			
Potassium	250	1.9				
Selenium	0.50	.03	anr			
Silver	0.50	.005	anr			
Sodium	250	1.2	anr			
Strontium	5.0	.007				
Thallium	0.50	.049	anr			
Tin	5.0	.028				
Titanium	1.0	.031				
Vanadium	1.0	.022				
Zinc	2.0	.081	anr			

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA30163 Units: ug/l

Time:		15:19			15:34			16:54	
Sample ID:	ICVA	ICVA1		CCVA	CCVA1		CCVA	CCVA2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	60	64.2	107.0	50	52.5	105.0	50	53.0	106.0
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA30163 Units: ug/l

Time:		17:35			18:32			19:33	
Sample ID:	CCVA	CCVA3		CCVA	CCVA4		CCVA	CCVA5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	50	53.0	106.0	50	53.2	106.4	50	54.1	108.2
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA30163 Units: ug/l

Time:		20:30			21:31			22:28	
Sample ID:	CCVA	CCVA6		CCVA	CCVA7		CCVA	CCVA8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium	anr								
Boron									
Cadmium	anr								
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	50	52.7	105.4	50	52.8	105.6	50	52.4	104.8
Magnesium									
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium									
Selenium	anr								
Silver	anr								
Sodium	anr								
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	anr								

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA30163 Units: ug/l

Time:		23:25	
Sample ID:	CCVA	CCVA9	
Metal	True	Results	% Rec
Aluminum			
Antimony	anr		
Arsenic	anr		
Barium			
Beryllium	anr		
Boron			
Cadmium	anr		
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	50	55.2	110.4*(a
Magnesium			
Manganese	anr		
Molybdenum			
Nickel	anr		
Potassium			
Selenium	anr		
Silver	anr		
Sodium	anr		
Strontium			
Thallium	anr		
Tin			
Titanium			
Vanadium			
Zinc	anr		

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 70 to 130 % Recovery Run ID: MA30163 Units: ug/l

Time:			15:29		18:42		23:36	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRI3	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	25	25						
Antimony	0.50	0.25	anr					
Arsenic	0.50	0.50	anr					
Barium	1.0	0.50						
Beryllium	0.50	0.25	anr					
Boron	5.0	2.5						
Cadmium	0.50	0.25	anr					
Calcium	250	125						
Chromium	1.0	2.0	anr					
Cobalt	0.50	0.25						
Copper	1.0	2.0	anr					
Iron	25	25	anr					
Lead	0.50	0.25	0.60	120.0	0.62	124.0	0.63	126.0
Magnesium	250	125						
Manganese	0.50	0.25	anr					
Molybdenum	1.0	0.50						
Nickel	1.0	2.0	anr					
Potassium	250	125						
Selenium	0.50	0.50	anr					
Silver	0.50	1.0	anr					
Sodium	250	125	anr					
Strontium	5.0	0.50						
Thallium	0.50	0.25	anr					
Tin	5.0	0.50						
Titanium	1.0	0.50						
Vanadium	1.0	2.0						
Zinc	2.0	2.0	anr					

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122712M3.CSV Date Analyzed: 12/27/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 80 to 120 % Recovery Run ID: MA30163 Units: ug/l

Time:			16:07		16:13	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	100000	100000	96400	96.4	91700	91.7
Antimony			0.56		0.46	
Arsenic		20	0.40		19.9	99.5
Barium			0.20		0.16	
Beryllium			0.042		0.029	
Boron			1.2		1.0	
Cadmium		20	0.71		20.5	102.5
Calcium	100000	100000	98100	98.1	94000	94.0
Chromium		20	1.2		21.0	105.0
Cobalt		20	0.072		19.2	96.0
Copper		20	0.28		18.0	90.0
Iron	100000	100000	97200	97.2	95200	95.2
Lead			0.19		0.16	
Magnesium	100000	100000	99000	99.0	93600	93.6
Manganese		20	0.25		20.3	101.5
Molybdenum	2000	2000	2130	106.5	2040	102.0
Nickel		20	0.74		18.8	94.0
Potassium	100000	100000	96000	96.0	91900	91.9
Selenium			0.098		0.084	
Silver		20	0.11		19.5	97.5
Sodium	100000	100000	97800	97.8	91900	91.9
Strontium			0.41		0.39	
Thallium			0.11		0.078	
Tin			0.23		0.21	
Titanium	2000	2000	1970	98.5	1890	94.5
Vanadium			0.22		0.20	
Zinc		20	2.0		19.6	98.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:13	MA30182-STD1	1		STDA
21:18	MA30182-STD2	1		STDA
21:23	MA30182-STD3	1		STDA
21:28	MA30182-STD4	1		STDB
21:33	MA30182-STD5	1		STDC
21:38	MA30182-STD6	1		STDD
21:43	MA30182-STD7	1		STDE
21:48	MA30182-STD8	1		STDF
21:53	MA30182-STD9	1		STDG
21:58	MA30182-STD10	1		STDH
22:04	MA30182-STD11	1		STDI
22:09	MA30182-STD12	1		STDJ
22:14	MA30182-ICVA1	1		
22:19	MA30182-ICB1	1		
22:24	MA30182-CRI1	1		
22:29	MA30182-CCVA1	1		
22:34	MA30182-CCB1	1		
22:40	MA30182-ICSA1	1		
22:45	MA30182-ICSAB1	1		
22:50	ZZZZZZ	5		
22:56	ZZZZZZ	25		
23:01	MP68732-S1	25		
23:06	MP68732-S2	25		
23:11	ZZZZZZ	1		
23:16	F99818-1	10		(sample used for QC only; not part of login JB24613)
23:21	MP68732-SD1	50		
23:26	MA30182-CCVA2	1		
23:31	MA30182-CCB2	1		
23:36	ZZZZZZ	10		
23:42	ZZZZZZ	10		
23:47	ZZZZZZ	10		
23:52	ZZZZZZ	25		
23:57	ZZZZZZ	25		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:02	ZZZZZZ	10		
00:07	MA30182-CCVA3	1		
00:12	MA30182-CCB3	1		
00:17	MA30182-CRI2	1		
00:23	MP68786A-MB1	2		
00:28	MP68786A-MB2	2		
00:33	MP68786A-LC1	2		
00:38	MP68786A-S1	10		
00:43	MP68786A-S2	10		
00:48	MP68786A-S3	10		
00:53	MP68786A-S4	10		
00:58	ZZZZZZ	1		
01:03	JB23822-2	2		(sample used for QC only; not part of login JB24613)
01:09	MA30182-CCVA4	1		
01:14	MA30182-CCB4	1		
01:19	MP68786A-SD1	10		
01:24	JB23822-2F	2		(sample used for QC only; not part of login JB24613)
01:29	MP68786A-SD2	10		
01:34	ZZZZZZ	2		
01:39	ZZZZZZ	2		
01:44	ZZZZZZ	2		
01:50	ZZZZZZ	2		
01:55	ZZZZZZ	1		
02:00	MA30182-CCVA5	1		
02:05	MA30182-CCB5	1		
02:10	MP68736-MB2	2		(Cu rasied to 4ppb.)
02:15	MP68736-LC2	2		
02:20	MP68736-S3	10		Ni overrange.
02:25	MP68736-S4	10		Ni overrange.
02:30	ZZZZZZ	1		
02:36	C25285-17	2		(sample used for QC only; not part of login JB24613)
02:41	MP68736-SD2	10		Ni overrange.
02:46	ZZZZZZ	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
02:51	ZZZZZZ	2		
02:56	ZZZZZZ	2		
03:01	MA30182-CCVA6	1		
03:06	MA30182-CCB6	1		
03:12	ZZZZZZ	2		
03:17	C25285-5	2		(sample used for QC only; not part of login JB24613)
03:22	ZZZZZZ	2		
03:27	ZZZZZZ	2		
03:32	ZZZZZZ	2		
03:37	ZZZZZZ	2		
03:43	ZZZZZZ	2		
03:48	ZZZZZZ	2		
03:53	ZZZZZZ	2		
03:58	ZZZZZZ	2		
04:03	MA30182-CCVA7	1		
04:08	MA30182-CCB7	1		
04:13	ZZZZZZ	2		
04:19	ZZZZZZ	2		
04:24	ZZZZZZ	2		
04:29	ZZZZZZ	2		
04:34	ZZZZZZ	2		
04:39	ZZZZZZ	2		
04:44	MA30182-CCVA8	1		
04:50	MA30182-CCB8	1		
04:55	MP68812-MB1	5		Batch to reanalysis for Sb, BS out.
05:00	MP68812-B1	25		
05:05	MP68812-S1	25		
05:10	MP68812-S2	25		
05:15	ZZZZZZ	1		
05:20	F99982-8	5		(sample used for QC only; not part of login JB24613)
05:25	ZZZZZZ	5		
05:30	ZZZZZZ	5		
05:35	ZZZZZZ	5		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
05:41	ZZZZZZ	5		
05:46	MA30182-CCVA9	1		
05:51	MA30182-CCB9	1		
05:56	MA30182-CRI3	1		
06:01	MP68805-MB1	2		
06:06	MP68805-LC1	2		
06:11	MP68805-S1	10		
06:16	MP68805-S2	10		
06:22	ZZZZZZ	1		
06:27	JB24613-6	2		Zn and Mn overrange.
06:32	MP68805-SD1	10		
06:38	JB24613-1	2		
06:43	ZZZZZZ	1		
06:48	MA30182-CCVA10	1		
06:53	MA30182-CCB10	1		
06:58	MP68812-SD1	25		
07:03	JB24613-2	2		
07:09	JB24613-3	2		
07:14	JB24613-4	2		Mn overrange.
07:19	JB24613-5	2		Mn overrange.
07:24	JB24613-7	2		Mn overrange.
07:30	JB24613-8	2		
07:35	JB24613-9	2		
07:40	JB24613-10	2		
---------->	Last reportable sample/prep for job JB24613			
07:45	ZZZZZZ	1		
07:50	MA30182-CCVA11	1		
07:56	MA30182-CCB11	1		
08:01	MA30182-CRI4	1		
08:06	ZZZZZZ	1		
08:11	MP68796-MB1	1		Batch to reanalysis for Sb, LC out.
08:16	MP68796-LC1	1		
08:21	MP68796-S1	1		
08:27	MP68796-S2	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
08:32	MP68796-S3	1		
08:37	ZZZZZZ	1		
08:42	FA7-1F	1		(sample used for QC only; not part of login JB24613)
08:48	MA30182-CCVA12	1		
08:53	MA30182-CCB12	1		
---------->	Last reportable CCB for job JB24613			
08:58	FA7-2F	1		(sample used for QC only; not part of login JB24613)
09:03	ZZZZZZ	1		
09:09	ZZZZZZ	1		
09:14	ZZZZZZ	1		
09:19	ZZZZZZ	1		
09:25	ZZZZZZ	1		
09:30	ZZZZZZ	1		
09:35	ZZZZZZ	1		
09:40	ZZZZZZ	1		
09:46	MA30182-CCVA13	1		
09:51	MA30182-CCB13	1		
09:56	ZZZZZZ	1		
10:01	ZZZZZZ	1		
10:06	ZZZZZZ	1		
10:11	ZZZZZZ	1		
10:16	ZZZZZZ	1		
10:21	ZZZZZZ	1		
10:27	ZZZZZZ	1		
10:32	ZZZZZZ	1		
10:37	ZZZZZZ	1		
10:42	MA30182-CCVA14	1		
10:47	MA30182-CCB14	1		
10:52	ZZZZZZ	1		
10:57	ZZZZZZ	1		
11:02	ZZZZZZ	1		
11:07	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
21:13	MA30182-STD1	100	100	100	100	100	100	100	100
21:18	MA30182-STD2	100	100	100	100	100	100	100	100
21:23	MA30182-STD3	100	100	100	100	100	100	100	100
21:28	MA30182-STD4	100.847	99.984	100.659	100.132	99.44	98.391	99.513	101.042
21:33	MA30182-STD5	99.607	99.338	100.331	97.76	98.888	98.485	98.698	99.389
21:38	MA30182-STD6	99.455	98.864	97.197	96.738	96.639	97.419	96.79	97.988
21:43	MA30182-STD7	98.12	96.951	94.592	92.542	94.579	94.744	94.196	96.676
21:48	MA30182-STD8	95.202	94.031	90.897	89.109	91.402	90.786	89.008	94.257
21:53	MA30182-STD9	93.175	93.129	95.39	93.303	92.298	94.758	94.765	93.481
21:58	MA30182-STD10	96.832	96.734	98.46	95.341	95.039	96.735	94.316	95.034
22:04	MA30182-STD11	97.716	97.905	96.974	96.255	94.253	95.057	94.232	93.979
22:09	MA30182-STD12	96.546	98.325	98.2	97.25	94.921	96.189	95.996	93.046
22:14	MA30182-ICVA1	99.364	100.63	99.173	95.424	96.385	96.832	94.529	95.069
22:19	MA30182-ICB1	98.89	99.386	99.447	97.242	97.042	98.502	96.651	97.204
22:24	MA30182-CRI1	98.098	99.377	98.812	94.836	96.545	97.2	95.918	97.59
22:29	MA30182-CCVA1	99.197	100.89	99.469	96.916	96.946	96.414	95.115	95.529
22:34	MA30182-CCB1	99.224	99.825	99.548	96.316	96.649	97.973	96.097	97.213
22:40	MA30182-ICSA1	90.418	97.556	102.812	96.715	92.388	98.712	93.069	85.558
22:45	MA30182-ICSAB1	84.929	95.432	100.463	98.763	93.103	98.408	95.458	86.719
22:50	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:56	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:01	MP68732-S1	88.386	102.355	108.022	108.823	102.811	106.121	106.67	104.387
23:06	MP68732-S2	90.109	101.804	104.601	106.038	101.713	103.652	104.495	103.052
23:11	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:16	F99818-1	83.752	99.638	102.791	106.4	97.06	101.485	101.817	98.269
23:21	MP68732-SD1	95.895	102.897	107.071	108.442	104.059	107.35	108.343	105.244
23:26	MA30182-CCVA2	88.997	94.082	92.926	97.631	95.736	94.837	98.191	97.095
23:31	MA30182-CCB2	87.347	91.067	93.351	98.48	93.678	95.176	100.053	97.732
23:36	ZZZZZZ	89.001	101.156	102.561	105.573	98.641	99.398	101.079	99.391
23:42	ZZZZZZ	84.008	95.022	99.012	102.496	96.158	100.544	101.402	98.156
23:47	ZZZZZZ	87.735	100.498	103.491	106.31	98.8	102.591	102.496	99.365
23:52	ZZZZZZ	94.169	104.477	108.813	108.56	104.33	108.566	108.036	105.146
23:57	ZZZZZZ	93.942	105.912	109.08	110.037	105.565	108.774	109.455	105.953

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
00:02	ZZZZZZ	88.296	100.195	102.683	105.951	98.745	101.91	103.47	99.948
00:07	MA30182-CCVA3	89.38	96.389	97.053	97.617	96.769	97.065	98.75	98.302
00:12	MA30182-CCB3	88.921	95.589	96.964	98.9	97.399	98.032	101.945	100.597
00:17	MA30182-CRI2	89.033	95.545	95.114	98.618	97.678	98.25	100.533	100.392
00:23	MP68786A-MB1	85.881	89.598	90.505	95.014	96.864	94.969	100.277	97.482
00:28	MP68786A-MB2	84.739	87.806	89.367	94.799	95.906	93.64	99.49	95.328
00:33	MP68786A-LC1	80.73	83.533	83.297	88.676	93.044	88.786	94.108	89.849
00:38	MP68786A-S1	85.738	92.159	92.209	95.795	93.155	93.444	96.668	93.542
00:43	MP68786A-S2	88.94	94.432	94.922	97.241	94.44	96.052	98.175	94.974
00:48	MP68786A-S3	91.666	96.849	94.869	98.827	96.693	97.243	99.091	97.027
00:53	MP68786A-S4	90.327	97.261	96.493	99.753	96.989	98.896	101.749	97.534
00:58	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:03	JB23822-2	75.005	82.737	84.413	91.632	87.069	87.529	93.626	85.881
01:09	MA30182-CCVA4	84.447	87.423	89.391	92.594	89.122	90.832	94.488	91.555
01:14	MA30182-CCB4	87.712	91.749	93.513	95.781	93.496	94.762	98.604	98.134
01:19	MP68786A-SD1	90.687	94.979	93.527	96.78	95.172	97.556	97.738	97.562
01:24	JB23822-2F	76.785	84.189	85.193	91.941	88.13	88.495	92.763	87.461
01:29	MP68786A-SD2	90.96	94.226	95.107	95.563	95.052	98.482	97.723	96.212
01:34	ZZZZZZ	74.217	81.341	81.803	89.009	85.085	86.046	91.173	84.429
01:39	ZZZZZZ	81.462	84.555	85.246	90.765	92.333	90.925	96.31	94.153
01:44	ZZZZZZ	71.131	77.737	80.355	86.818	83.115	82.948	91.112	82.407
01:50	ZZZZZZ	80.196	83.275	83.906	90.882	91.73	91.148	95.802	93.512
01:55	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:00	MA30182-CCVA5	80.664	82.412	82.939	85.121	83.939	84.865	88.397	87.154
02:05	MA30182-CCB5	84.142	86.619	88.44	88.916	89.114	92.875	92.379	92.899
02:10	MP68736-MB2	81.454	82.052	83.091	88.514	87.634	89.017	92.778	91.092
02:15	MP68736-LC2	73.687	76.034	76.94	82.874	84.343	82.615	89.424	84.325
02:20	MP68736-S3	80.742	85.097	86.04	87.421	84.829	86.963	87.776	87.826
02:25	MP68736-S4	82.192	86.889	85.143	88.527	85.895	87.216	89.293	89.517
02:30	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:36	C25285-17	66.748 !a	81.304	80.976	88.852	79.03	79.882	85.149	81.849
02:41	MP68736-SD2	77.797	86.74	89.615	97.135	90.504	94.206	97.211	96.077
02:46	ZZZZZZ	71.463	75.16	76.945	84.677	81.662	84.894	89.544	86.873

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
02:51	ZZZZZZ	74.279	78.39	80.007	88.395	86.099	85.804	93.109	90.07
02:56	ZZZZZZ	67.174 !a	76.248	78.481	83.92	79.978	83	86.273	82.876
03:01	MA30182-CCVA6	80.808	86.361	87.435	92.621	87.906	91.045	94.369	93.125
03:06	MA30182-CCB6	83.99	89.064	90.804	95.773	92.405	94.651	97.181	97.83
03:12	ZZZZZZ	68.603 !a	75.787	77.917	82.737	80.585	81.828	86.413	84.332
03:17	C25285-5	76.319	79.823	80.363	86.624	86.843	86.326	92.363	91.109
03:22	ZZZZZZ	76.859	79.402	79.817	85.251	84.566	85.066	89.096	87.64
03:27	ZZZZZZ	76.605	78.64	78.648	85.205	84.492	85.098	89.803	87.457
03:32	ZZZZZZ	78.197	79.301	78.345	82.562	83.949	82.589	87.216	87.254
03:37	ZZZZZZ	No results reported for the elements associated with this internal standard.							
03:43	ZZZZZZ	75.883	78.077	76.375	80.337	80.934	80.681	84.083	85.34
03:48	ZZZZZZ	70.01	75.201	74.674	80.04	78.225	79.614	83.32	82.115
03:53	ZZZZZZ	69.881 !a	75.362	75.335	79.175	78.84	79.083	82.854	80.305
03:58	ZZZZZZ	69.776 !a	74.989	74.844	78.304	77.899	77.587	82.062	79.953
04:03	MA30182-CCVA7	79.044	83.2	81.179	83.396	83.441	84.881	85.815	86.914
04:08	MA30182-CCB7	81.277	84.585	83.268	85.305	85.966	87.423	87.776	90.849
04:13	ZZZZZZ	76.545	77.301	75.542	78.522	80.68	78.607	83.38	83.738
04:19	ZZZZZZ	70.359	74.272	74.523	77.326	77.506	77.942	81.365	79.431
04:24	ZZZZZZ	71.863	80.573	78.645	81.382	77.514	80.29	80.874	79.416
04:29	ZZZZZZ	75.014	79.706	78.944	83.313	82.403	84.132	87.247	86.862
04:34	ZZZZZZ	75.748	80.525	78.879	83.158	82.931	82.697	85.859	86.125
04:39	ZZZZZZ	75.895	79.222	79.028	82.235	85.43	84.383	87.898	89.191
04:44	MA30182-CCVA8	79.347	84.366	82.219	86.091	85.935	84.039	87.915	89.956
04:50	MA30182-CCB8	83.391	87.243	87.444	89.775	89.142	89.571	92.302	94.841
04:55	MP68812-MB1	86.169	89.675	89.846	90.178	90.753	92.884	92.984	95.576
05:00	MP68812-B1	86.883	91.321	90.575	88.22	91.095	93.247	90.372	94.485
05:05	MP68812-S1	85.838	90.115	88.549	86.823	88.437	90.321	89.684	91.755
05:10	MP68812-S2	86.506	89.895	88.362	85.95	88.798	91.15	86.808	91.522
05:15	ZZZZZZ	No results reported for the elements associated with this internal standard.							
05:20	F99982-8	84.29	88.459	87.658	85.846	87.486	89.437	87.256	90.557
05:25	ZZZZZZ	85.404	88.859	86.942	84.142	87.973	89.65	87.41	90.875
05:30	ZZZZZZ	85.512	89.336	89.026	87.133	88.3	90.414	87.612	90.819
05:35	ZZZZZZ	86.508	90.104	87.829	85.58	89.315	90.143	87.949	91.214

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
05:41	ZZZZZZ	84.978	89.848	87.875	85	88.2	89.02	86.776	90.708
05:46	MA30182-CCVA9	84.114	88.015	85.148	83.828	86.423	86.779	85.304	88.187
05:51	MA30182-CCB9	85.433	88.914	88.372	86.338	88.119	90.882	87.713	91.476
05:56	MA30182-CRI3	86.168	90.051	88.361	86.123	89.035	90.283	88.141	92.133
06:01	MP68805-MB1	82.746	84.751	82.518	81.212	87.318	87.432	85.966	88.874
06:06	MP68805-LC1	77.097	79.842	77.036	77.433	84.882	82.352	83.096	84.323
06:11	MP68805-S1	80.296	88.948	89.262	89.769	84.945	91.448	88.236	85.398
06:16	MP68805-S2	78.325	90.287	89.77	92.878	88.641	93.027	91.811	90.128
06:22	ZZZZZZ	No results reported for the elements associated with this internal standard.							
06:27	JB24613-6	62.475 !a	88.293	89.546	91.917	84.449	93.267	85.115	78.689
06:32	MP68805-SD1	74.375	84.676	86.597	93.598	85.646	89.934	94.353	88.174
06:38	JB24613-1	69.416 !a	78.904	82.528	86.379	80.902	83.058	85.749	79.042
06:43	ZZZZZZ	No results reported for the elements associated with this internal standard.							
06:48	MA30182-CCVA10	76.028	80.359	78.382	81.756	81.653	80.838	84.581	85.942
06:53	MA30182-CCB10	77.656	81.76	81.679	84.605	84.722	85.311	89.056	90.348
06:58	MP68812-SD1	81.208	87.099	86.516	88.491	88.857	91.915	91.779	93.949
07:03	JB24613-2	67.887 !a	77.675	82.628	86.142	80.497	85.542	87.598	77.261
07:09	JB24613-3	73.107	81.496	81.657	83.211	84.292	83.721	85.97	82.323
07:14	JB24613-4	68.554 !a	74.36	73.249	78.621	79.198	80.101	83.534	79.922
07:19	JB24613-5	64.109 !a	75.693	78.871	82.653	79.37	83.275	85.83	78.547
07:24	JB24613-7	63.001 !a	77.7	80.374	80.824	77.805	79.065	80.59	75.392
07:30	JB24613-8	63.718 !a	79.679	82.915	86.058	83.244	93.334	88.991	78.827
07:35	JB24613-9	65.259 !a	73.953	74.484	81.94	79.466	82.219	87.974	81.873
07:40	JB24613-10	69.204 !a	79.584	75.312	82.906	82.968	81.227	86.826	84.394
07:45	ZZZZZZ	No results reported for the elements associated with this internal standard.							
07:50	MA30182-CCVA11	76.088	81.145	79.688	82.282	82.573	81.638	85.482	87.746
07:56	MA30182-CCB11	77.911	83.196	82.453	86.025	86.446	87.66	89.813	92.403
08:01	MA30182-CRI4	77.802	83.224	81.245	85.007	85.991	85.888	88.451	91.374
08:06	ZZZZZZ	No results reported for the elements associated with this internal standard.							
08:11	MP68796-MB1	78.244	83.559	82.729	84.799	86.03	87.973	88.549	91.764
08:16	MP68796-LC1	74.645	79.507	77.043	79.545	81.562	81.203	82.289	86.784
08:21	MP68796-S1	74.154	91.927	91.828	93.185	83.754	84.307	86.195	80.303
08:27	MP68796-S2	73.091	89.919	90.768	90.756	82.302	82.053	83.383	78.82

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
08:32	MP68796-S3	71.89	82.382	78.053	80.474	79.11	79.082	80.593	78.629
08:37	ZZZZZZ	No results reported for the elements associated with this internal standard.							
08:42	FA7-1F	72.424	87.053	84.083	81.984	78.521	79.436	76.863	74.258
08:48	MA30182-CCVA12	67.12 !a	73.776	72.519	72.308	73.415	77.84	76.759	76.319
08:53	MA30182-CCB12	68.634 !a	75.613	73.844	72.426	75.826	80.051	77.773	80.546
08:58	FA7-2F	No results reported for the elements associated with this internal standard.							
09:03	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:09	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:14	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:19	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:25	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:30	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:35	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:40	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:46	MA30182-CCVA13	No results reported for the elements associated with this internal standard.							
09:51	MA30182-CCB13	No results reported for the elements associated with this internal standard.							
09:56	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:01	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:06	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:11	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:16	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:21	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:27	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:32	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:37	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:42	MA30182-CCVA14	No results reported for the elements associated with this internal standard.							
10:47	MA30182-CCB14	No results reported for the elements associated with this internal standard.							
10:52	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:57	ZZZZZZ	No results reported for the elements associated with this internal standard.							
11:02	ZZZZZZ	No results reported for the elements associated with this internal standard.							
11:07	ZZZZZZ	No results reported for the elements associated with this internal standard.							

! = Outside limits.

LEGEND:			CCV/CCB
Istd#	Parameter	Limits	Limits
Istd#1	Lithium	60-125 %	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8

Istd#8	Scandium (45-1)	60-125 %	60-125 %
Istd#3	Scandium (45-2)	60-125 %	60-125 %
Istd#4	Scandium (45-3)	60-125 %	60-125 %
Istd#5	Germanium (72-1)	60-125 %	60-125 %
Istd#6	Germanium (72-2)	60-125 %	60-125 %
Istd#7	Germanium (72-3)	60-125 %	60-125 %
Istd#8	Rhodium (103-1)	60-125 %	60-125 %

(a) No samples reported for the elements associated with this internal standard.

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
21:13	MA30182-STD1	100	100	100	100	100	100	100	100
21:18	MA30182-STD2	100	100	100	100	100	100	100	100
21:23	MA30182-STD3	100	100	100	100	100	100	100	100
21:28	MA30182-STD4	100.498	100.243	99.229	99.746	99.856	99.56	99.778	99.715
21:33	MA30182-STD5	100.078	99.194	98.71	99.367	98.933	99.058	99.234	98.595
21:38	MA30182-STD6	98.553	97.742	96.242	98.484	97.664	98.077	97.446	97.669
21:43	MA30182-STD7	97.285	96.009	94.425	96.917	97.091	96.438	96.835	96.276
21:48	MA30182-STD8	94.335	94.09	91.486	95.118	95.313	95.322	95.397	95.721
21:53	MA30182-STD9	95.683	93.883	95.039	94.16	95.737	94.387	95.349	94.938
21:58	MA30182-STD10	97.471	95.753	96.653	95.809	96.33	95.271	96.133	94.984
22:04	MA30182-STD11	94.774	94.206	93.604	94.999	95.874	95.176	95.784	92.479
22:09	MA30182-STD12	95.082	93.475	93.962	96.481	96.443	96.087	97.195	92.173
22:14	MA30182-ICVA1	96.145	95.402	95.3	95.781	97.045	95.302	97.619	92.825
22:19	MA30182-ICB1	98.577	96.68	97.712	95.606	97.59	95.328	97.278	94.641
22:24	MA30182-CRI1	98.247	96.252	97.25	95.209	96.682	95.432	97.061	94.689
22:29	MA30182-CCVA1	96.471	95.058	95.89	95.609	96.177	95.448	95.834	92.302
22:34	MA30182-CCB1	99.541	96.471	97.625	95.182	97.127	94.721	96.028	94.343
22:40	MA30182-ICSA1	89.258	89.744	92.988	90.19	90.116	89.95	90.063	84.129
22:45	MA30182-ICSAB1	89.501	92.869	92.366	94.399	92.357	94.473	92.795	88.106
22:50	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:56	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:01	MP68732-S1	105.106	105.717	102.255	106.622	104.317	106.414	104.635	104.997
23:06	MP68732-S2	103.033	104.422	99.813	105.588	101.449	105.552	102.315	104.531
23:11	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:16	F99818-1	98.108	101.36	96.535	103.835	100.723	104.766	100.77	101.988
23:21	MP68732-SD1	107.524	106.08	102.911	105.381	103.272	105.549	104.114	103.987
23:26	MA30182-CCVA2	96.017	99.626	93.725	102.388	97.811	102.214	98.884	100.016
23:31	MA30182-CCB2	99.626	100.317	97.084	101.287	98.797	101.766	99.71	102.298
23:36	ZZZZZZ	97.64	100.722	95.982	103.652	100.115	103.341	100.51	99.675
23:42	ZZZZZZ	100.75	101.038	98.648	103.305	100.936	103.334	101.104	102.587
23:47	ZZZZZZ	100.338	101.073	98.431	103.426	101.072	103.325	101.77	100.231
23:52	ZZZZZZ	107.918	106.455	104.055	104.133	103.52	104.769	103.179	103.4
23:57	ZZZZZZ	108.585	106.8	104.227	105.119	103.368	104.127	104.242	103.479

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
00:02	ZZZZZZ	100.938	101.72	98.254	103.525	100.899	103.117	101.068	100.775
00:07	MA30182-CCVA3	99.374	100.221	95.522	101.497	98.588	101.414	99.301	98.458
00:12	MA30182-CCB3	101.865	101.675	97.978	100.653	98.992	101.377	99.687	100.408
00:17	MA30182-CRI2	100.281	101.794	97.108	101.176	99.113	101.516	99.94	101.218
00:23	MP68786A-MB1	96.712	99.122	94.592	101.513	98.261	102.343	99.005	101.087
00:28	MP68786A-MB2	95.809	97.186	93.939	100.163	98.806	100.813	99.072	100.167
00:33	MP68786A-LC1	89.884	93.76	86.529	99.279	95.528	100.188	96.713	96.885
00:38	MP68786A-S1	95.068	97.708	93.996	99.471	98.339	99.145	99.327	96.931
00:43	MP68786A-S2	96.676	99.092	95.576	100.828	100.311	100.588	100.405	98.107
00:48	MP68786A-S3	97.359	100.95	96.815	100.841	99.747	101.426	100.452	98.138
00:53	MP68786A-S4	97.289	100.61	96.895	101.953	100.539	101.71	101.468	98.697
00:58	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:03	JB23822-2	87.682	92.744	87.873	99.493	97.756	100.4	99.183	94.504
01:09	MA30182-CCVA4	93.343	95.294	90.804	99.933	97.663	100.168	98.865	98.117
01:14	MA30182-CCB4	98.95	99.417	96.025	101.282	99.549	100.617	100.352	101.076
01:19	MP68786A-SD1	98.065	100.335	96.904	100.695	100.538	101.04	100.95	98.841
01:24	JB23822-2F	86.881	93.568	88.23	100.096	97.22	101.186	98.3	95.708
01:29	MP68786A-SD2	96.44	99.994	96.282	101.412	100.326	101.802	100.845	100.762
01:34	ZZZZZZ	84.747	91.178	85.948	98.575	95.845	99.967	97.571	94.962
01:39	ZZZZZZ	95.285	98.17	91.585	103.99	99.792	103.682	100.984	103.534
01:44	ZZZZZZ	83.661	90.14	84.555	99.105	96.376	100.804	97.247	95.44
01:50	ZZZZZZ	93.781	97.318	91.048	103.739	100.082	105.4	101.475	103.629
01:55	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:00	MA30182-CCVA5	89.405	91.009	86.824	96.345	94.832	96.909	96.316	95.862
02:05	MA30182-CCB5	94.976	95.769	93.393	98.781	98.121	99.038	98.651	100.187
02:10	MP68736-MB2	92.024	94.671	89.541	100.511	97.434	100.872	98.419	101.252
02:15	MP68736-LC2	85.169	89.517	82.398	97.493	94.731	99.204	95.934	96.917
02:20	MP68736-S3	89.498	93.164	89.116	98.114	96.757	98.873	97.775	97.876
02:25	MP68736-S4	89.68	94.531	88.984	99.786	96.998	100.881	98.411	99.801
02:30	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:36	C25285-17	81.324	88.756	81.106	98.503	93.97	99.109	95.483	96.785
02:41	MP68736-SD2	96.486	102.827	94.488	107.676	102.466	108.228	104.21	108.93
02:46	ZZZZZZ	88.961	92.704	86	101.371	97.61	102.046	98.643	102.477

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
02:51	ZZZZZZ	90.782	95.355	88.434	102.378	99.515	103.944	100.738	102.034
02:56	ZZZZZZ	83.506	90.298	83.175	99.698	95.018	100.439	96.294	96.577
03:01	MA30182-CCVA6	94.109	97.619	91.099	103.351	99.271	103.342	100.354	101.906
03:06	MA30182-CCB6	99.31	101.336	96.497	104.385	100.984	104.454	102.032	104.373
03:12	ZZZZZZ	85.531	91.242	84.628	99.471	95.045	99.984	96.543	97.268
03:17	C25285-5	91.104	96.071	88.058	101.78	97.931	102.645	99.255	101.477
03:22	ZZZZZZ	88.403	93.491	87.3	98.411	95.378	99.664	96.833	98.806
03:27	ZZZZZZ	88.915	91.818	87.14	97.428	95.851	98.338	97.416	97.642
03:32	ZZZZZZ	88.43	91.822	85.782	97.667	95.216	98.899	96.309	98.896
03:37	ZZZZZZ	No results reported for the elements associated with this internal standard.							
03:43	ZZZZZZ	85.887	89.682	83.357	96.073	93.863	97.311	95.209	96.8
03:48	ZZZZZZ	83.118	87.268	82.126	95.759	92.324	96.95	93.699	95.628
03:53	ZZZZZZ	82.068	86.465	81.314	94.285	91.715	95.476	93.592	93.246
03:58	ZZZZZZ	81.294	86.13	81.016	93.959	91.576	94.998	93.025	93.187
04:03	MA30182-CCVA7	88.23	90.962	86.47	95.586	93.876	95.649	94.649	94.852
04:08	MA30182-CCB7	91.602	92.916	89.995	95.307	94.763	95.383	95.412	96.518
04:13	ZZZZZZ	84.371	87.71	83.442	93.895	91.764	94.832	92.632	93.975
04:19	ZZZZZZ	80.863	85.46	80.44	92.638	90.358	93.656	91.67	92.449
04:24	ZZZZZZ	82.624	86.072	80.993	94.496	92.083	95.557	93.184	91.478
04:29	ZZZZZZ	86.724	91.574	84.875	98.499	94.801	99.403	95.821	97.166
04:34	ZZZZZZ	85.431	91.317	83.691	96.803	94.27	97.562	95.365	95.364
04:39	ZZZZZZ	88.959	94.183	86.585	100.27	96.177	100.151	97.349	99.395
04:44	MA30182-CCVA8	89.333	94.666	87.522	99.721	95.594	99.612	96.305	97.756
04:50	MA30182-CCB8	95.019	97.373	92.848	99.629	97.626	99.534	97.783	99.605
04:55	MP68812-MB1	96.287	97.447	94.602	98.658	97.527	98.077	98.666	99.431
05:00	MP68812-B1	95.251	95.493	94.334	96.82	96.225	96.302	96.666	96.547
05:05	MP68812-S1	92.625	93.286	91.869	94.496	94.429	93.789	94.966	94.548
05:10	MP68812-S2	92.692	92.636	91.765	92.994	94.16	93.613	94.237	93.655
05:15	ZZZZZZ	No results reported for the elements associated with this internal standard.							
05:20	F99982-8	91.374	91.961	89.966	93.666	93.641	93.47	94.488	93.918
05:25	ZZZZZZ	90.74	91.977	90.257	94.036	93.676	93.629	93.775	93.547
05:30	ZZZZZZ	92.359	92.44	91.838	93.264	94.365	93.849	94.62	93.443
05:35	ZZZZZZ	91.958	92.434	90.826	93.557	94.342	93.677	94.156	93.473

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
05:41	ZZZZZZ	91.556	91.805	89.965	92.987	93.387	93.074	93.897	92.728
05:46	MA30182-CCVA9	89.222	90.626	88.006	92.861	92.678	92.623	92.925	90.327
05:51	MA30182-CCB9	93.399	92.263	92.843	92.778	94.478	92.949	94.61	92.702
05:56	MA30182-CRI3	92.939	93.441	92.408	92.846	94.077	93.623	94.387	93.344
06:01	MP68805-MB1	90.36	90.992	87.488	94.519	93.838	95.343	94.915	94.552
06:06	MP68805-LC1	84.56	88.3	81.87	93.848	92.299	94.975	93.202	92.325
06:11	MP68805-S1	87.497	89.799	88.059	95.289	95.872	96.271	96.527	90.334
06:16	MP68805-S2	90.656	96.135	89.732	101.969	98.842	101.857	99.438	95.738
06:22	ZZZZZZ	No results reported for the elements associated with this internal standard.							
06:27	JB24613-6	78.65	86.792	80.995	99.622	93.156	99.396	93.976	85
06:32	MP68805-SD1	90.362	95.35	90.136	101.665	99.342	102.35	100.683	96.969
06:38	JB24613-1	80.463	86.447	82.251	94.016	90.789	94.885	92.524	85.767
06:43	ZZZZZZ	No results reported for the elements associated with this internal standard.							
06:48	MA30182-CCVA10	86.307	90.827	84.566	95.954	93.39	96.822	94.366	95.437
06:53	MA30182-CCB10	91.091	94.108	89.254	97.17	94.8	97.775	96.182	98.936
06:58	MP68812-SD1	95.953	96.389	93.614	99.678	96.91	99.505	98.239	100.113
07:03	JB24613-2	81.963	83.926	84.35	90.975	92.546	91.84	94.374	83.962
07:09	JB24613-3	82.496	89.086	84.166	95.424	93.659	96.578	95.065	90.519
07:14	JB24613-4	80.627	87.009	80.983	95.611	92.755	96.728	94.189	95.521
07:19	JB24613-5	80.772	86.21	82.14	96.504	94.16	97.79	95.613	90.618
07:24	JB24613-7	76.014	82.407	79.486	90.873	87.585	92.492	88.32	80.487
07:30	JB24613-8	82.031	86.45	83.366	97.995	95.12	98.763	95.594	86.3
07:35	JB24613-9	85.184	87.886	83.414	96.5	94.775	98.095	96.806	96.355
07:40	JB24613-10	82.756	90.911	82.359	98.006	93.132	98.575	94.8	94.955
07:45	ZZZZZZ	No results reported for the elements associated with this internal standard.							
07:50	MA30182-CCVA11	87.266	92.098	85.947	97.207	94.427	98.316	95.3	96.436
07:56	MA30182-CCB11	93.141	95.702	90.108	98.649	96.704	99.111	96.998	99.028
08:01	MA30182-CRI4	91.101	94.701	90.199	97.905	95.697	97.642	96.459	98.065
08:06	ZZZZZZ	No results reported for the elements associated with this internal standard.							
08:11	MP68796-MB1	91.869	94.868	90.881	97.418	95.609	97.803	96.95	98.991
08:16	MP68796-LC1	86.506	91.364	85.24	95.529	92.568	96.049	93.969	95.426
08:21	MP68796-S1	79.288	87.087	83.221	93.136	89.92	93.973	90.631	80.861
08:27	MP68796-S2	78.307	86.314	82.325	92.706	88.824	93.448	89.499	79.68

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
08:32	MP68796-S3	77.943	85.068	79.763	92.654	89.103	92.933	91.154	84.169
08:37	ZZZZZZ	No results reported for the elements associated with this internal standard.							
08:42	FA7-1F	73.238	80.853	80.103	86.737	84.946	87.725	86.017	75.289
08:48	MA30182-CCVA12	79.048	79.92	79.192	83.975	86.293	84.028	87.026	83.306
08:53	MA30182-CCB12	81.983	82.036	82.804	83.742	85.968	84.529	86.708	85.296
08:58	FA7-2F	No results reported for the elements associated with this internal standard.							
09:03	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:09	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:14	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:19	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:25	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:30	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:35	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:40	ZZZZZZ	No results reported for the elements associated with this internal standard.							
09:46	MA30182-CCVA13	No results reported for the elements associated with this internal standard.							
09:51	MA30182-CCB13	No results reported for the elements associated with this internal standard.							
09:56	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:01	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:06	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:11	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:16	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:21	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:27	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:32	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:37	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:42	MA30182-CCVA14	No results reported for the elements associated with this internal standard.							
10:47	MA30182-CCB14	No results reported for the elements associated with this internal standard.							
10:52	ZZZZZZ	No results reported for the elements associated with this internal standard.							
10:57	ZZZZZZ	No results reported for the elements associated with this internal standard.							
11:02	ZZZZZZ	No results reported for the elements associated with this internal standard.							
11:07	ZZZZZZ	No results reported for the elements associated with this internal standard.							

! = Outside limits.

LEGEND:			CCV/CCB
Istd#	Parameter	Limits	Limits
Istd#9	Rhodium (103-2)	60-125 %	60-125 %

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
Istd#16 Indium (115-1)			60-125 %	60-125 %					
Istd#11 Indium (115-2)			60-125 %	60-125 %					
Istd#12 Terbium (159-1)			60-125 %	60-125 %					
Istd#13 Terbium (159-2)			60-125 %	60-125 %					
Istd#14 Holmium (165-1)			60-125 %	60-125 %					
Istd#15 Holmium (165-2)			60-125 %	60-125 %					
Istd#16 Bismuth (209-1)			60-125 %	60-125 %					

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#17
21:13	MA30182-STD1	100
21:18	MA30182-STD2	100
21:23	MA30182-STD3	100
21:28	MA30182-STD4	99.499
21:33	MA30182-STD5	98.2
21:38	MA30182-STD6	97.177
21:43	MA30182-STD7	96.166
21:48	MA30182-STD8	94.569
21:53	MA30182-STD9	94.287
21:58	MA30182-STD10	94.686
22:04	MA30182-STD11	92.051
22:09	MA30182-STD12	92.344
22:14	MA30182-ICVA1	94.011
22:19	MA30182-ICB1	95.726
22:24	MA30182-CRI1	95.56
22:29	MA30182-CCVA1	91.957
22:34	MA30182-CCB1	94.945
22:40	MA30182-ICSA1	82.339
22:45	MA30182-ICSAB1	85.238
22:50	ZZZZZZ	No results reported for the elements associated with this internal standard.
22:56	ZZZZZZ	No results reported for the elements associated with this internal standard.
23:01	MP68732-S1	101.969
23:06	MP68732-S2	100.366
23:11	ZZZZZZ	No results reported for the elements associated with this internal standard.
23:16	F99818-1	98.927
23:21	MP68732-SD1	103.603
23:26	MA30182-CCVA2	96.678
23:31	MA30182-CCB2	100.509
23:36	ZZZZZZ	96.98
23:42	ZZZZZZ	100.035
23:47	ZZZZZZ	98.406
23:52	ZZZZZZ	102.639
23:57	ZZZZZZ	102.425

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#17
00:02	ZZZZZZ	99.042
00:07	MA30182-CCVA3	96.371
00:12	MA30182-CCB3	99.058
00:17	MA30182-CRI2	99.793
00:23	MP68786A-MB1	98.11
00:28	MP68786A-MB2	98.35
00:33	MP68786A-LC1	93.275
00:38	MP68786A-S1	95.241
00:43	MP68786A-S2	97.523
00:48	MP68786A-S3	96.703
00:53	MP68786A-S4	97.978
00:58	ZZZZZZ	No results reported for the elements associated with this internal standard.
01:03	JB23822-2	93.114
01:09	MA30182-CCVA4	96.657
01:14	MA30182-CCB4	100.635
01:19	MP68786A-SD1	99.769
01:24	JB23822-2F	93.402
01:29	MP68786A-SD2	100.087
01:34	ZZZZZZ	92.815
01:39	ZZZZZZ	100.773
01:44	ZZZZZZ	92.447
01:50	ZZZZZZ	100.831
01:55	ZZZZZZ	No results reported for the elements associated with this internal standard.
02:00	MA30182-CCVA5	95.308
02:05	MA30182-CCB5	99.231
02:10	MP68736-MB2	98.054
02:15	MP68736-LC2	94.145
02:20	MP68736-S3	97.648
02:25	MP68736-S4	97.909
02:30	ZZZZZZ	No results reported for the elements associated with this internal standard.
02:36	C25285-17	92.144
02:41	MP68736-SD2	105.405
02:46	ZZZZZZ	98.276

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#17
02:51	ZZZZZZ	100.321
02:56	ZZZZZZ	92.52
03:01	MA30182-CCVA6	98.815
03:06	MA30182-CCB6	103.452
03:12	ZZZZZZ	93.299
03:17	C25285-5	99.028
03:22	ZZZZZZ	96.443
03:27	ZZZZZZ	97.212
03:32	ZZZZZZ	96.565
03:37	ZZZZZZ	No results reported for the elements associated with this internal standard.
03:43	ZZZZZZ	94.272
03:48	ZZZZZZ	91.291
03:53	ZZZZZZ	91.107
03:58	ZZZZZZ	90.282
04:03	MA30182-CCVA7	92.473
04:08	MA30182-CCB7	95.911
04:13	ZZZZZZ	92.554
04:19	ZZZZZZ	90.119
04:24	ZZZZZZ	89.128
04:29	ZZZZZZ	93.817
04:34	ZZZZZZ	92.437
04:39	ZZZZZZ	97.446
04:44	MA30182-CCVA8	93.555
04:50	MA30182-CCB8	98.002
04:55	MP68812-MB1	99.37
05:00	MP68812-B1	95.882
05:05	MP68812-S1	94.276
05:10	MP68812-S2	93.723
05:15	ZZZZZZ	No results reported for the elements associated with this internal standard.
05:20	F99982-8	93.443
05:25	ZZZZZZ	93.271
05:30	ZZZZZZ	93.111
05:35	ZZZZZZ	94.076

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#17
05:41	ZZZZZZ	93.279
05:46	MA30182-CCVA9	90.015
05:51	MA30182-CCB9	94.279
05:56	MA30182-CRI3	93.72
06:01	MP68805-MB1	94.5
06:06	MP68805-LC1	90.52
06:11	MP68805-S1	91.435
06:16	MP68805-S2	94.03
06:22	ZZZZZZ	No results reported for the elements associated with this internal standard.
06:27	JB24613-6	80.347
06:32	MP68805-SD1	97.037
06:38	JB24613-1	83.105
06:43	ZZZZZZ	No results reported for the elements associated with this internal standard.
06:48	MA30182-CCVA10	92.749
06:53	MA30182-CCB10	96.451
06:58	MP68812-SD1	99.215
07:03	JB24613-2	85.263
07:09	JB24613-3	88.517
07:14	JB24613-4	92.139
07:19	JB24613-5	87.702
07:24	JB24613-7	75.562
07:30	JB24613-8	82.102
07:35	JB24613-9	94.47
07:40	JB24613-10	91.665
07:45	ZZZZZZ	No results reported for the elements associated with this internal standard.
07:50	MA30182-CCVA11	93.833
07:56	MA30182-CCB11	97.399
08:01	MA30182-CRI4	96.79
08:06	ZZZZZZ	No results reported for the elements associated with this internal standard.
08:11	MP68796-MB1	98.371
08:16	MP68796-LC1	92.952
08:21	MP68796-S1	76.288
08:27	MP68796-S2	75.007

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30182
Parameters: As,Cd,Pb,Mn,Ni,Tl,Zn

Time	Sample Description	Istd#17
08:32	MP68796-S3	81.763
08:37	ZZZZZZ	No results reported for the elements associated with this internal standard.
08:42	FA7-1F	72.062
08:48	MA30182-CCVA12	85.11
08:53	MA30182-CCB12	87.299
08:58	FA7-2F	No results reported for the elements associated with this internal standard.
09:03	ZZZZZZ	No results reported for the elements associated with this internal standard.
09:09	ZZZZZZ	No results reported for the elements associated with this internal standard.
09:14	ZZZZZZ	No results reported for the elements associated with this internal standard.
09:19	ZZZZZZ	No results reported for the elements associated with this internal standard.
09:25	ZZZZZZ	No results reported for the elements associated with this internal standard.
09:30	ZZZZZZ	No results reported for the elements associated with this internal standard.
09:35	ZZZZZZ	No results reported for the elements associated with this internal standard.
09:40	ZZZZZZ	No results reported for the elements associated with this internal standard.
09:46	MA30182-CCVA13	No results reported for the elements associated with this internal standard.
09:51	MA30182-CCB13	No results reported for the elements associated with this internal standard.
09:56	ZZZZZZ	No results reported for the elements associated with this internal standard.
10:01	ZZZZZZ	No results reported for the elements associated with this internal standard.
10:06	ZZZZZZ	No results reported for the elements associated with this internal standard.
10:11	ZZZZZZ	No results reported for the elements associated with this internal standard.
10:16	ZZZZZZ	No results reported for the elements associated with this internal standard.
10:21	ZZZZZZ	No results reported for the elements associated with this internal standard.
10:27	ZZZZZZ	No results reported for the elements associated with this internal standard.
10:32	ZZZZZZ	No results reported for the elements associated with this internal standard.
10:37	ZZZZZZ	No results reported for the elements associated with this internal standard.
10:42	MA30182-CCVA14	No results reported for the elements associated with this internal standard.
10:47	MA30182-CCB14	No results reported for the elements associated with this internal standard.
10:52	ZZZZZZ	No results reported for the elements associated with this internal standard.
10:57	ZZZZZZ	No results reported for the elements associated with this internal standard.
11:02	ZZZZZZ	No results reported for the elements associated with this internal standard.
11:07	ZZZZZZ	No results reported for the elements associated with this internal standard.

! = Outside limits.

LEGEND:			CCV/CCB
Istd#	Parameter	Limits	Limits
Istd#17	Bismuth (209-2)	60-125 %	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: result < RL Run ID: MA30182 Units: ug/l

Time: / Sample ID:			22:19 ICB1		22:34 CCB1		23:31 CCB2		00:12 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	25	.057	anr							
Antimony	0.50	.014	anr							
Arsenic	0.50	.022	0.015	<0.50	0.0041	<0.50	0.016	<0.50	0.025	<0.50
Barium	1.0	.03	anr							
Beryllium	0.50	.004	anr							
Boron	5.0	.46								
Cadmium	0.50	.004	-0.0018	<0.50	0.0020	<0.50	-0.0045	<0.50	0.0019	<0.50
Calcium	250	1.6								
Chromium	1.0	.051	anr							
Cobalt	0.50	.004								
Copper	1.0	.017	anr							
Iron	25	.66	anr							
Lead	0.50	.005	-0.0011	<0.50	-0.0025	<0.50	-0.00047	<0.50	-0.00017	<0.50
Magnesium	250	.2								
Manganese	1.0	.02	-0.016	<1.0	-0.015	<1.0	-0.017	<1.0	-0.010	<1.0
Molybdenum	1.0	.075								
Nickel	1.0	.051	-0.028	<1.0	-0.040	<1.0	0.0048	<1.0	-0.023	<1.0
Potassium	250	1.9								
Selenium	0.50	.03	anr							
Silver	0.50	.005	anr							
Sodium	250	1.2								
Strontium	5.0	.007								
Thallium	0.50	.049	0.24	<0.50*(a	0.24	<0.50*(a	0.26	<0.50*(a	0.24	<0.50*(a
Tin	5.0	.028								
Titanium	1.0	.031								
Vanadium	1.0	.022								
Zinc	2.0	.081	-0.21	<2.0	-0.18	<2.0	-0.22	<2.0	-0.17	<2.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) All reported results <RL or >10x CCB value.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: result < RL Run ID: MA30182 Units: ug/l

Time: / Sample ID:			01:14 CCB4		02:05 CCB5		03:06 CCB6		04:08 CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	25	.057	anr							
Antimony	0.50	.014	anr							
Arsenic	0.50	.022	0.0029	<0.50	0.011	<0.50	0.0097	<0.50	0.016	<0.50
Barium	1.0	.03	anr							
Beryllium	0.50	.004	anr							
Boron	5.0	.46								
Cadmium	0.50	.004	-0.00076	<0.50	-0.00066	<0.50	0.0020	<0.50	-0.00052	<0.50
Calcium	250	1.6								
Chromium	1.0	.051	anr							
Cobalt	0.50	.004								
Copper	1.0	.017	anr							
Iron	25	.66	anr							
Lead	0.50	.005	-0.0018	<0.50	-0.0016	<0.50	0.00049	<0.50	-0.00060	<0.50
Magnesium	250	.2								
Manganese	1.0	.02	-0.016	<1.0	-0.020	<1.0	-0.011	<1.0	-0.015	<1.0
Molybdenum	1.0	.075								
Nickel	1.0	.051	-0.039	<1.0	-0.026	<1.0	-0.023	<1.0	-0.0031	<1.0
Potassium	250	1.9								
Selenium	0.50	.03	anr							
Silver	0.50	.005	anr							
Sodium	250	1.2								
Strontium	5.0	.007								
Thallium	0.50	.049	0.27	<0.50*(a	0.22	<0.50*(a	0.26	<0.50*(a	0.28	<0.50*(a
Tin	5.0	.028								
Titanium	1.0	.031								
Vanadium	1.0	.022								
Zinc	2.0	.081	-0.20	<2.0	-0.21	<2.0	-0.14	<2.0	0.12	<2.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) All reported results <RL or >10x CCB value.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: result < RL Run ID: MA30182 Units: ug/l

Time:			04:50		05:51		06:53		07:56	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	25	.057	anr							
Antimony	0.50	.014	anr							
Arsenic	0.50	.022	0.0016	<0.50	0.011	<0.50	-0.0015	<0.50	-0.00016	<0.50
Barium	1.0	.03	anr							
Beryllium	0.50	.004	anr							
Boron	5.0	.46								
Cadmium	0.50	.004	-0.0016	<0.50	-0.0026	<0.50	-0.0025	<0.50	-0.0035	<0.50
Calcium	250	1.6								
Chromium	1.0	.051	anr							
Cobalt	0.50	.004								
Copper	1.0	.017	anr							
Iron	25	.66	anr							
Lead	0.50	.005	0.0038	<0.50	-0.0024	<0.50	-0.00039	<0.50	-0.0015	<0.50
Magnesium	250	.2								
Manganese	1.0	.02	-0.0072	<1.0	-0.019	<1.0	0.0055	<1.0	0.040	<1.0
Molybdenum	1.0	.075								
Nickel	1.0	.051	-0.0081	<1.0	-0.032	<1.0	-0.040	<1.0	-0.035	<1.0
Potassium	250	1.9								
Selenium	0.50	.03	anr							
Silver	0.50	.005	anr							
Sodium	250	1.2								
Strontium	5.0	.007								
Thallium	0.50	.049	0.25	<0.50*(a	0.27	<0.50*(a	0.28	<0.50*(a	0.24	<0.50*(a
Tin	5.0	.028								
Titanium	1.0	.031								
Vanadium	1.0	.022								
Zinc	2.0	.081	-0.090	<2.0	-0.15	<2.0	-0.16	<2.0	-0.15	<2.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) All reported results <RL or >10x CCB value.

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: result < RL Run ID: MA30182 Units: ug/l

Time:			08:53	
Sample ID:			CCB12	
Metal	RL	IDL	raw	final
Aluminum	25	.057	anr	
Antimony	0.50	.014	anr	
Arsenic	0.50	.022	0.0029	<0.50
Barium	1.0	.03	anr	
Beryllium	0.50	.004	anr	
Boron	5.0	.46		
Cadmium	0.50	.004	0.00091	<0.50
Calcium	250	1.6		
Chromium	1.0	.051	anr	
Cobalt	0.50	.004		
Copper	1.0	.017	anr	
Iron	25	.66	anr	
Lead	0.50	.005	-0.0018	<0.50
Magnesium	250	.2		
Manganese	1.0	.02	0.00088	<1.0
Molybdenum	1.0	.075		
Nickel	1.0	.051	-0.048	<1.0
Potassium	250	1.9		
Selenium	0.50	.03	anr	
Silver	0.50	.005	anr	
Sodium	250	1.2		
Strontium	5.0	.007		
Thallium	0.50	.049	0.26	<0.50*(a
Tin	5.0	.028		
Titanium	1.0	.031		
Vanadium	1.0	.022		
Zinc	2.0	.081	-0.20	<2.0

(*) Outside of QC limits
(anr) Analyte not requested
(a) All reported results <RL or >10x CCB value.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA30182 Units: ug/l

Time:		22:14			22:29			23:26	
Sample ID:	ICVA	ICVA1		CCVA	CCVA1		CCVA	CCVA2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	60	56.0	93.3	50	46.5	93.0	50	48.6	97.2
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	60	56.5	94.2	50	46.9	93.8	50	48.0	96.0
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	60	57.9	96.5	50	48.7	97.4	50	48.3	96.6
Magnesium									
Manganese	60	56.7	94.5	50	47.2	94.4	50	47.5	95.0
Molybdenum									
Nickel	60	55.1	91.8	50	45.1	90.2	50	46.6	93.2
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	60	57.2	95.3	50	45.7	91.4	50	45.5	91.0
Tin									
Titanium									
Vanadium									
Zinc	60	56.1	93.5	50	45.3	90.6	50	47.7	95.4

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA30182 Units: ug/l

Time:		00:07			01:09			02:00	
Sample ID:	CCVA	CCVA3		CCVA	CCVA4		CCVA	CCVA5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	50	47.6	95.2	50	47.7	95.4	50	49.1	98.2
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	50	47.4	94.8	50	47.3	94.6	50	47.5	95.0
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	50	48.3	96.6	50	48.3	96.6	50	48.6	97.2
Magnesium									
Manganese	50	46.0	92.0	50	46.8	93.6	50	47.8	95.6
Molybdenum									
Nickel	50	45.5	91.0	50	47.3	94.6	50	47.3	94.6
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	50	45.5	91.0	50	45.7	91.4	50	45.8	91.6
Tin									
Titanium									
Vanadium									
Zinc	50	46.1	92.2	50	46.9	93.8	50	48.8	97.6

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA30182 Units: ug/l

Time:		03:01			04:03			04:44	
Sample ID:	CCVA	CCVA6		CCVA	CCVA7		CCVA	CCVA8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	50	49.1	98.2	50	49.3	98.6	50	50.0	100.0
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	50	47.9	95.8	50	47.7	95.4	50	47.6	95.2
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	50	48.4	96.8	50	48.3	96.6	50	48.5	97.0
Magnesium									
Manganese	50	47.7	95.4	50	47.8	95.6	50	48.5	97.0
Molybdenum									
Nickel	50	47.9	95.8	50	47.4	94.8	50	48.0	96.0
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	50	45.9	91.8	50	44.7	89.4*(a)	50	45.5	91.0
Tin									
Titanium									
Vanadium									
Zinc	50	49.1	98.2	50	48.6	97.2	50	48.3	96.6

(*) Outside of QC limits
(anr) Analyte not requested
(a) No samples reported for this element in the area bracketed by this QC.

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA30182 Units: ug/l

Time:		05:46			06:48			07:50	
Sample ID:	CCVA	CCVA9		CCVA	CCVA10		CCVA	CCVA11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum	anr								
Antimony	anr								
Arsenic	50	49.0	98.0	50	50.0	100.0	50	50.4	100.8
Barium	anr								
Beryllium	anr								
Boron									
Cadmium	50	47.1	94.2	50	48.4	96.8	50	47.3	94.6
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron	anr								
Lead	50	48.3	96.6	50	48.0	96.0	50	48.1	96.2
Magnesium									
Manganese	50	48.0	96.0	50	48.2	96.4	50	47.7	95.4
Molybdenum									
Nickel	50	47.5	95.0	50	48.5	97.0	50	47.2	94.4
Potassium									
Selenium	anr								
Silver	anr								
Sodium									
Strontium									
Thallium	50	45.4	90.8	50	45.0	90.0	50	45.5	91.0
Tin									
Titanium									
Vanadium									
Zinc	50	48.4	96.8	50	48.7	97.4	50	49.2	98.4

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA30182 Units: ug/l

Time:		08:48	
Sample ID:	CCVA	CCVA12	
Metal	True	Results	% Rec
Aluminum	anr		
Antimony	anr		
Arsenic	50	50.8	101.6
Barium	anr		
Beryllium	anr		
Boron			
Cadmium	50	47.5	95.0
Calcium			
Chromium	anr		
Cobalt			
Copper	anr		
Iron	anr		
Lead	50	48.0	96.0
Magnesium			
Manganese	50	48.3	96.6
Molybdenum			
Nickel	50	46.9	93.8
Potassium			
Selenium	anr		
Silver	anr		
Sodium			
Strontium			
Thallium	50	45.0	90.0
Tin			
Titanium			
Vanadium			
Zinc	50	49.2	98.4

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 70 to 130 % Recovery Run ID: MA30182 Units: ug/l

Time:			22:24		00:17		05:56		08:01	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRI3		CRI4	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	25	25	anr							
Antimony	0.50	0.25	anr							
Arsenic	0.50	0.50	0.53	106.0	0.58	116.0	0.52	104.0	0.54	108.0
Barium	1.0	0.50	anr							
Beryllium	0.50	0.25	anr							
Boron	5.0	2.5								
Cadmium	0.50	0.25	0.57	114.0	0.54	108.0	0.54	108.0	0.51	102.0
Calcium	250	125								
Chromium	1.0	2.0	anr							
Cobalt	0.50	0.25								
Copper	1.0	2.0	anr							
Iron	25	25	anr							
Lead	0.50	0.25	0.54	108.0	0.54	108.0	0.54	108.0	0.55	110.0
Magnesium	250	125								
Manganese	0.50	0.25	0.53	106.0	0.52	104.0	0.54	108.0	0.56	112.0
Molybdenum	1.0	0.50								
Nickel	1.0	2.0	1.2	120.0	1.2	120.0	1.2	120.0	1.2	120.0
Potassium	250	125								
Selenium	0.50	0.50	anr							
Silver	0.50	1.0	anr							
Sodium	250	125								
Strontium	5.0	0.50								
Thallium	0.50	0.25	0.53	106.0	0.51	102.0	0.54	108.0	0.53	106.0
Tin	5.0	0.50								
Titanium	1.0	0.50								
Vanadium	1.0	2.0								
Zinc	2.0	2.0	2.4	120.0	2.5	125.0	2.6	130.0	2.5	125.0

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA122812M3.CSV Date Analyzed: 12/28/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 80 to 120 % Recovery Run ID: MA30182 Units: ug/l

Time:			22:40		22:45	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	100000	100000	96200	96.2	91700	91.7
Antimony			0.32		0.32	
Arsenic		20	0.38		19.4	97.0
Barium			0.21		0.22	
Beryllium			-0.0012		-0.0028	
Boron			0.65		0.46	
Cadmium		20	0.69		18.7	93.5
Calcium	100000	100000	99300	99.3	96500	96.5
Chromium		20	1.1		19.7	98.5
Cobalt		20	0.037		17.7	88.5
Copper		20	0.16		17.1	85.5
Iron	100000	100000	97700	97.7	95400	95.4
Lead			0.14		0.13	
Magnesium	100000	100000	97900	97.9	93200	93.2
Manganese		20	0.14		18.8	94.0
Molybdenum	2000	2000	2050	102.5	1990	99.5
Nickel		20	0.61		17.5	87.5
Potassium	100000	100000	97600	97.6	93600	93.6
Selenium			0.020		0.035	
Silver		20	0.042		18.0	90.0
Sodium	100000	100000	96000	96.0	91600	91.6
Strontium			0.31		0.32	
Thallium			0.048		0.018	
Tin			0.13		0.13	
Titanium	2000	2000	1950	97.5	1880	94.0
Vanadium			0.16		0.17	
Zinc		20	1.6		18.4	92.0

(*) Outside of QC limits
(anr) Analyte not requested

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
16:08	MA30185-STD1	1		STDA
16:13	MA30185-STD2	1		STDA
16:19	MA30185-STD3	1		STDB
16:24	MA30185-STD4	1		STDC
16:29	MA30185-STD5	1		STDD
16:34	MA30185-STD6	1		STDE
16:39	MA30185-STD7	1		STDF
16:45	MA30185-STD8	1		STDG
16:50	MA30185-STD9	1		STDH
16:55	MA30185-STD10	1		STDI
17:00	MA30185-STD11	1		STDJ
17:05	ZZZZZZ	1		
17:10	ZZZZZZ	1		
17:15	MA30185-ICVA1	1		
17:20	MA30185-ICB1	1		
17:25	MA30185-CRI1	1		
17:31	MA30185-CCVA1	1		
17:36	MA30185-CCB1	1		
17:41	MA30185-ICSA1	1		
17:46	MA30185-ICSAB1	1		
17:52	ZZZZZZ	1		
17:57	MA30185-CCVA2	1		
18:02	MA30185-CCB2	1		
18:07	MP68736-MB2	2		
18:12	ZZZZZZ	2		
18:17	MP68736-S3	10		
18:22	MP68736-S4	10		
18:27	ZZZZZZ	1		
18:32	C25285-17	2		(sample used for QC only; not part of login JB24613)
18:38	MP68736-SD2	10		Not needed.
18:43	ZZZZZZ	2		
18:48	ZZZZZZ	2		
18:53	ZZZZZZ	2		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
18:58	MA30185-CCVA3	1		
19:03	MA30185-CCB3	1		
19:08	ZZZZZZ	2		
19:13	ZZZZZZ	2		
19:19	ZZZZZZ	2		
19:24	ZZZZZZ	2		
19:29	ZZZZZZ	2		
19:34	ZZZZZZ	2		
19:39	ZZZZZZ	2		
19:44	ZZZZZZ	2		
19:49	ZZZZZZ	2		
19:54	ZZZZZZ	2		
20:00	MA30185-CCVA4	1		
20:05	MA30185-CCB4	1		
20:10	ZZZZZZ	2		
20:15	ZZZZZZ	2		
20:20	ZZZZZZ	2		
20:25	ZZZZZZ	2		
20:30	ZZZZZZ	2		
20:36	ZZZZZZ	2		
20:41	ZZZZZZ	5		
20:46	MP68736-SD2	25		
20:51	ZZZZZZ	5		
20:56	ZZZZZZ	5		
21:01	MA30185-CCVA5	1		
21:06	MA30185-CCB5	1		
21:11	MA30185-CRI2	1		
21:17	ZZZZZZ	5		
21:22	ZZZZZZ	1		
21:27	MP68812-MB1	5		Batch to reanalysis for Sb, CCV out.
21:32	MP68812-B1	25		
21:37	MP68812-S1	25		
21:42	MP68812-S2	25		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
21:47	ZZZZZZ	1		
21:52	F99982-8	5		(sample used for QC only; not part of login JB24613)
21:57	MP68812-SD1	25		
22:02	MA30185-CCVA6	1		
22:08	MA30185-CCB6	1		
22:13	ZZZZZZ	5		
22:18	ZZZZZZ	5		
22:23	ZZZZZZ	5		
22:28	ZZZZZZ	5		
22:33	MA30185-CCVA7	1		
22:38	MA30185-CCB7	1		
22:43	MA30185-CRI3	1		In-1 out.
22:48	ZZZZZZ	2		
22:53	ZZZZZZ	2		
22:59	MP68805-S1	10		overrange.
23:04	MP68805-S2	10		overrange.
23:09	ZZZZZZ	1		
23:14	JB24613-6	2		overrange.
23:20	MP68805-SD1	10		overrange.
23:25	MA30185-CCVA8	1		
23:30	MA30185-CCB8	1		
23:35	ZZZZZZ	2		
23:40	ZZZZZZ	2		
23:46	ZZZZZZ	2		
23:51	JB24613-4	2		
23:56	JB24613-5	2		
00:01	JB24613-7	2		
00:06	ZZZZZZ	1		
00:12	JB24613-8	2		
00:17	ZZZZZZ	2		
00:22	ZZZZZZ	2		
00:27	MA30185-CCVA9	1		
00:32	MA30185-CCB9	1		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
00:37	JB24613-6	10		Zn
00:43	MP68805-SD1	50		
00:48	MP68805-S1	100		
00:53	MP68805-S2	100		
00:58	JB24613-6	100		
01:03	MP68805-SD1	500		
01:08	JB24613-4	25		
01:13	JB24613-5	10		
01:19	JB24613-7	100		
01:24	JB24613-8	25		
---------->	Last reportable sample/prep for job JB24613			
01:29	MA30185-CCVA10	1		
01:34	MA30185-CCB10	1		
01:39	ZZZZZZ	1		
01:44	MA30185-CRI4	1		
01:49	MP68796-MB1	1		To reanalysis for Sb, LC out.
01:54	MP68796-LC1	1		
02:00	MP68796-S1	10		
02:05	MP68796-S2	10		
02:10	MP68796-S3	10		
02:15	ZZZZZZ	1		
02:20	FA7-1F	10		(sample used for QC only; not part of login JB24613)
02:25	FA7-2F	10		(sample used for QC only; not part of login JB24613)
02:31	MA30185-CCVA11	1		
02:36	MA30185-CCB11	1		
---------->	Last reportable CCB for job JB24613			
02:41	ZZZZZZ	10		
02:46	ZZZZZZ	10		
02:51	ZZZZZZ	10		
02:56	ZZZZZZ	10		
03:01	ZZZZZZ	10		
03:06	ZZZZZZ	10		
03:12	ZZZZZZ	10		
03:17	ZZZZZZ	10		
03:22	ZZZZZZ	10		

Accutest Laboratories Instrument Runlog
Inorganics Analyses

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Dilution Factor	PS Recov	Comments
03:27	MA30185-CCVA12	1		
03:32	MA30185-CCB12	1		
03:37	ZZZZZZ	10		
03:42	ZZZZZZ	10		
03:48	ZZZZZZ	10		
03:53	ZZZZZZ	10		
03:58	ZZZZZZ	10		
04:03	ZZZZZZ	10		
04:08	ZZZZZZ	10		
04:13	ZZZZZZ	10		
04:18	MA30185-CCVA13	1		
04:23	MA30185-CCB13	1		
04:28	ZZZZZZ	1		
04:34	ZZZZZZ	1		
04:39	ZZZZZZ	1		
04:44	ZZZZZZ	1		

Refer to raw data for calibration curve and standards.

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
16:08	MA30185-STD1	100	100	100	100	100	100	100	100
16:13	MA30185-STD2	100	100	100	100	100	100	100	100
16:19	MA30185-STD3	100.668	100.678	100.122	99.951	99.654	100.59	98.697	100.986
16:24	MA30185-STD4	101.858	100.982	100.416	100.561	101.912	100.997	100.076	101.557
16:29	MA30185-STD5	101.865	101.111	98.181	98.564	102.292	99.564	98.56	101.16
16:34	MA30185-STD6	99.906	99.018	94.563	96.39	101.621	98.269	95.331	99.494
16:39	MA30185-STD7	93.094	91.45	92.767	91.279	95.445	92.408	91.568	91.906
16:45	MA30185-STD8	97.177	96.006	96.24	98.325	102.993	98.236	98.217	96.715
16:50	MA30185-STD9	101.233	100.391	100.493	100.018	108.032	101.333	100.392	100.72
16:55	MA30185-STD10	101.48	101.567	100.08	98.833	106.848	100.361	97.989	99.345
17:00	MA30185-STD11	100.508	102.81	100.708	101.105	106.645	101.42	99.968	99.354
17:05	ZZZZZZ	No results reported for the elements associated with this internal standard.							
17:10	ZZZZZZ	No results reported for the elements associated with this internal standard.							
17:15	MA30185-ICVA1	101.434	104.08	100.126	100.925	101.175	101.685	97.981	100.925
17:20	MA30185-ICB1	102.352	103.691	102.022	93.181	102.445	103.105	93.93	104.126
17:25	MA30185-CRI1	104.112	103.617	102.675	101.796	102.168	103.857	102.01	104.497
17:31	MA30185-CCVA1	103.831	105.585	101.461	100.344	102.028	102.741	98.645	103.063
17:36	MA30185-CCB1	103.897	104.483	102.594	98.231	102.637	106.158	98.163	105.271
17:41	MA30185-ICSA1	100.292	108.266	117.397	113.811	101.132	111.431	104.533	94.13
17:46	MA30185-ICSAB1	109.946	121.417	122.254	123.131	114.51	117.741	114.944	105.856
17:52	ZZZZZZ	No results reported for the elements associated with this internal standard.							
17:57	MA30185-CCVA2	104.262	106.041	100.835	109.778	105.545	105.502	112.105	107.883
18:02	MA30185-CCB2	102.032	102.348	105.413	113.496	104.059	110.821	114.79	107.369
18:07	MP68736-MB2	102.01	100.448	98.62	108.461	101.688	102.657	109.102	104.638
18:12	ZZZZZZ	No results reported for the elements associated with this internal standard.							
18:17	MP68736-S3	No results reported for the elements associated with this internal standard.							
18:22	MP68736-S4	No results reported for the elements associated with this internal standard.							
18:27	ZZZZZZ	No results reported for the elements associated with this internal standard.							
18:32	C25285-17	No results reported for the elements associated with this internal standard.							
18:38	MP68736-SD2	No results reported for the elements associated with this internal standard.							
18:43	ZZZZZZ	No results reported for the elements associated with this internal standard.							
18:48	ZZZZZZ	No results reported for the elements associated with this internal standard.							
18:53	ZZZZZZ	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
18:58	MA30185-CCVA3	107.177	112.51	108.53	121.211	113.055	113.874	118.053	116.252
19:03	MA30185-CCB3	111.566	114.367	110.909	120.449	116.504	116.936	121.918	121.939
19:08	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:13	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:19	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:24	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:29	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:34	ZZZZZZ	91.675	100.218	98.965	110.012	98.094	100.432	106.714	99.692
19:39	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:44	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:49	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:54	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:00	MA30185-CCVA4	109.158	112.615	109.671	119.768	113.216	113.612	116.259	115.575
20:05	MA30185-CCB4	113.112	113.62	111.437	121.334	114.774	115.809	121.042	120.305
20:10	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:15	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:20	ZZZZZZ	91.585	102.085	99.468	105.334	97.892	99.02	102.277	99.555
20:25	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:30	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:36	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:41	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:46	MP68736-SD2	No results reported for the elements associated with this internal standard.							
20:51	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:56	ZZZZZZ	101.825	105.824	104.284	119.003	106.849	109.915	116.779	111.26
21:01	MA30185-CCVA5	110.766	115.943	104.82	122.832	117.582	110.822	121.838	123.31
21:06	MA30185-CCB5	110.334	115.155	114.079	126.969	118.039	119.37	126.233	126.189
21:11	MA30185-CRI2	108.368	114.134	114.258	124.237	116.077	118.58	124.358	124.216
21:17	ZZZZZZ	99.018	108.474	109.619	120.721	107.556	109.555	117.748	112.586
21:22	ZZZZZZ	No results reported for the elements associated with this internal standard.							
21:27	MP68812-MB1	No results reported for the elements associated with this internal standard.							
21:32	MP68812-B1	No results reported for the elements associated with this internal standard.							
21:37	MP68812-S1	No results reported for the elements associated with this internal standard.							
21:42	MP68812-S2	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
21:47	ZZZZZZ	No results reported for the elements associated with this internal standard.							
21:52	F99982-8	No results reported for the elements associated with this internal standard.							
21:57	MP68812-SD1	No results reported for the elements associated with this internal standard.							
22:02	MA30185-CCVA6	117.683	124.109	120.049	131.213 !a	124.195	123.38	127.986	128.386
22:08	MA30185-CCB6	118.749	123.563	123.621	131.851 !b	124.66	127.384	130.644 !b	130.087 !b
22:13	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:18	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:23	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:28	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:33	MA30185-CCVA7	111.718	118.667	119.611	124.083	117.691	122.442	124.12	121.059
22:38	MA30185-CCB7	119.256	123.608	122.02	129.508	122.857	125.758	129.679	129.167
22:43	MA30185-CRI3	119.078	123.26	122.43	128.684	123.735	124.046	128.553	128.891
22:48	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:53	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:59	MP68805-S1	No results reported for the elements associated with this internal standard.							
23:04	MP68805-S2	No results reported for the elements associated with this internal standard.							
23:09	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:14	JB24613-6	No results reported for the elements associated with this internal standard.							
23:20	MP68805-SD1	No results reported for the elements associated with this internal standard.							
23:25	MA30185-CCVA8	104.385	112.067	109.881	120.419	116.28	118.935	121.894	123.579
23:30	MA30185-CCB8	104.984	111.85	113.125	124.897	116.033	121.366	126.771	125.623
23:35	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:40	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:46	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:51	JB24613-4	93.492	97.133	93.608	103.403	100.149	101.267	104.476	103.057
23:56	JB24613-5	86.367	98.071	98.894	107.709	97.32	104.737	106.373	100.429
00:01	JB24613-7	83.848	102.966	104.652	110.143	99.526	101.034	103.3	96.846
00:06	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:12	JB24613-8	79.186	101.66	108.233	116.056	103.225	123.211	113.668	100.058
00:17	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:22	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:27	MA30185-CCVA9	100.271	105.517	104.19	110.495	107.951	111.158	113.405	115.494
00:32	MA30185-CCB9	102.461	106.513	106.705	116.319	110.618	114.693	119.611	119.744

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
00:37	JB24613-6	94.398	110.774	109	119.153	109.944	115.636	115.664	111.493
00:43	MP68805-SD1	107.392	115.935	116.83	123.301	119.06	126.162	125.578	124.563
00:48	MP68805-S1	104.889	112.862	112.018	118.784	116.417	120.671	121.433	122.458
00:53	MP68805-S2	104.137	110.699	110.786	117.392	114.26	120.725	118.115	120.826
00:58	JB24613-6	104.741	112.054	111.312	116.444	115.589	119.333	120.62	121.024
01:03	MP68805-SD1	108.197	117.723	122.263	121.552	119.165	127.473	123.735	126.721
01:08	JB24613-4	105.834	111.756	110.074	117.574	114.984	118.544	117.931	121.039
01:13	JB24613-5	104.602	113.455	113.304	118.103	115.371	119.16	121.09	119.147
01:19	JB24613-7	105.03	110.912	111.563	117.275	113.946	117.189	119.328	119.28
01:24	JB24613-8	98.888	103.73	109.973	118.189	104.862	116.836	116.68	108.836
01:29	MA30185-CCVA10	101.421	107.295	105.183	110.174	109.342	111.204	113.941	115.593
01:34	MA30185-CCB10	101.199	106.572	106.071	105.441	110.039	113.334	107.077	118.469
01:39	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:44	MA30185-CRI4	102.265	107.004	104.328	110.853	110.343	113.878	112.679	117.165
01:49	MP68796-MB1	100.612	105.512	103.406	111.684	108.6	112.263	114.611	116.454
01:54	MP68796-LC1	97.622	103.602	102.12	106.854	105.967	107.345	109.507	111.874
02:00	MP68796-S1	100.349	112.991	114.862	122.917	111.784	120.509	119.94	114.121
02:05	MP68796-S2	105.973	120.676	112.652	127.216	!b117.687	119.757	123.461	120.005
02:10	MP68796-S3	111.4	119.542	115.023	120.162	117.916	121.045	121.827	122.439
02:15	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:20	FA7-1F	102.167	113.986	115.415	123.861	113.035	121.445	122.454	114.974
02:25	FA7-2F	111.061	118.675	114.946	117.972	118.875	123.323	120.263	121.69
02:31	MA30185-CCVA11	97.783	103.291	100.639	106.527	104.13	107.083	108.698	109.408
02:36	MA30185-CCB11	99.654	105.413	103.726	107.79	108.775	112.525	111.293	117.204
02:41	ZZZZZZ	103.182	113.708	114.432	120.525	112.715	121.694	120.327	114.61
02:46	ZZZZZZ	103.908	111.919	113.842	118.075	109.844	120.235	119.326	114.861
02:51	ZZZZZZ	105.945	111.422	109.321	113.864	113.731	118.951	116.978	117.537
02:56	ZZZZZZ	103.648	109.909	106.95	111.31	111.479	115.647	114.01	116.139
03:01	ZZZZZZ	102.174	107.702	105.927	109.375	108.538	113.596	112.546	114.293
03:06	ZZZZZZ	101.85	107.211	105.076	107.71	108.514	112.96	111.304	113.562
03:12	ZZZZZZ	101.8	108.66	108.024	111.193	108.14	115.199	113.378	110.606
03:17	ZZZZZZ	103.888	108.926	106.079	111.857	108.53	114.216	112.093	113.566
03:22	ZZZZZZ	102.003	107.796	105.197	109.062	107.04	109.38	110.559	111.803

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#1	Istd#2	Istd#3	Istd#4	Istd#5	Istd#6	Istd#7	Istd#8
03:27	MA30185-CCVA12	93.326	99.159	97.311	102.13	99.049	103.994	105.16	105.537
03:32	MA30185-CCB12	95.601	100.193	97.889	102.315	102.283	106.785	107.536	111.568
03:37	ZZZZZZ	94.349	100.223	97.876	100.527	102.623	105.215	106.005	109.051
03:42	ZZZZZZ	94.736	100.022	98.186	100.65	102.328	105.227	105.232	108.936
03:48	ZZZZZZ	92.844	98.191	96.12	96.678	99.278	103.866	100.752	106.218
03:53	ZZZZZZ	91.75	96.937	93.981	97.823	98.69	101.984	100.851	104.639
03:58	ZZZZZZ	90.435	95.885	93.339	94.697	96.498	102.321	98.046	102.954
04:03	ZZZZZZ	87.915	93.294	92.473	92.695	94.482	99.847	97.878	99.414
04:08	ZZZZZZ	89.309	94.628	93.757	94.075	96.273	101.303	97.052	101.288
04:13	ZZZZZZ	87.244	93.027	91.936	91.562	94.848	99.975	95.948	99.892
04:18	MA30185-CCVA13	85.1	89.983	87.561	90.648	91.092	95.153	93.072	96.477
04:23	MA30185-CCB13	86.468	91.783	89.938	91.543	93.118	99.298	96.999	101.365
04:28	ZZZZZZ	No results reported for the elements associated with this internal standard.							
04:34	ZZZZZZ	No results reported for the elements associated with this internal standard.							
04:39	ZZZZZZ	No results reported for the elements associated with this internal standard.							
04:44	ZZZZZZ	No results reported for the elements associated with this internal standard.							

! = Outside limits.

LEGEND: Istd#	Parameter	Limits	CCV/CCB Limits
Istd#1	Lithium	60-125 %	60-125 %
Istd#2	Scandium (45-1)	60-125 %	60-125 %
Istd#3	Scandium (45-2)	60-125 %	60-125 %
Istd#4	Scandium (45-3)	60-125 %	60-125 %
Istd#5	Germanium (72-1)	60-125 %	60-125 %
Istd#6	Germanium (72-2)	60-125 %	60-125 %
Istd#7	Germanium (72-3)	60-125 %	60-125 %
Istd#8	Rhodium (103-1)	60-125 %	60-125 %

(a) No samples reported for this element in the area bracketed by this QC.
(b) No samples reported for the elements associated with this internal standard.

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
16:08	MA30185-STD1	100	100	100	100	100	100	100	100
16:13	MA30185-STD2	100	100	100	100	100	100	100	100
16:19	MA30185-STD3	100.11	100.49	100.747	100.272	100.172	100.239	100.157	100.28
16:24	MA30185-STD4	100.861	100.415	99.962	100.418	100.645	101.418	100.784	100.095
16:29	MA30185-STD5	99.656	100.888	98.38	100.416	99.583	100.805	99.685	100.781
16:34	MA30185-STD6	97.385	99.114	96.012	99.224	98.726	100.406	98.421	99.878
16:39	MA30185-STD7	94.918	92.434	93.151	93.173	97.074	93.748	97.206	94.244
16:45	MA30185-STD8	97.99	97.257	97.992	98.108	99.913	98.998	100.078	98.748
16:50	MA30185-STD9	99.861	100.45	99.602	100.249	100.6	101.289	101.27	100.327
16:55	MA30185-STD10	98.278	99.683	98.074	100.815	100.73	101.451	100.705	97.645
17:00	MA30185-STD11	97.779	99.98	98.879	101.421	101.195	102.256	101.291	96.051
17:05	ZZZZZZ	No results reported for the elements associated with this internal standard.							
17:10	ZZZZZZ	No results reported for the elements associated with this internal standard.							
17:15	MA30185-ICVA1	98.441	101.381	97.318	101.579	100.908	101.695	101.177	97.736
17:20	MA30185-ICB1	103.059	103.034	102.807	101.771	102.459	102.126	102.163	101.553
17:25	MA30185-CRI1	102.812	103.361	102.237	102.377	103.127	102.643	103.016	101.586
17:31	MA30185-CCVA1	100.481	102.118	99.58	102.382	102.148	102.611	101.684	98.267
17:36	MA30185-CCB1	104.729	104.039	103.569	102.517	103.176	102.801	102.911	101.507
17:41	MA30185-ICSA1	98.484	98.176	104.016	97.604	100.886	97.856	100.442	88.675
17:46	MA30185-ICSAB1	105.483	112.245	110.096	111.972	108.312	112.219	108.097	99.906
17:52	ZZZZZZ	No results reported for the elements associated with this internal standard.							
17:57	MA30185-CCVA2	105.113	111.504	103.305	115.244	109.01	116.688	110.065	111.393
18:02	MA30185-CCB2	111.05	109.683	108.471	110.978	111.107	111.3	112.149	110.478
18:07	MP68736-MB2	105.108	108.722	102.412	112.726	109.449	113.986	110.756	111.444
18:12	ZZZZZZ	No results reported for the elements associated with this internal standard.							
18:17	MP68736-S3	No results reported for the elements associated with this internal standard.							
18:22	MP68736-S4	No results reported for the elements associated with this internal standard.							
18:27	ZZZZZZ	No results reported for the elements associated with this internal standard.							
18:32	C25285-17	No results reported for the elements associated with this internal standard.							
18:38	MP68736-SD2	No results reported for the elements associated with this internal standard.							
18:43	ZZZZZZ	No results reported for the elements associated with this internal standard.							
18:48	ZZZZZZ	No results reported for the elements associated with this internal standard.							
18:53	ZZZZZZ	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
18:58	MA30185-CCVA3	112.678	121.876	109.606	125.145	115.957	125.953	117.133	119.801
19:03	MA30185-CCB3	118.28	125.659	113.944	126.497	118.029	127.488	118.946	123.946
19:08	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:13	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:19	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:24	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:29	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:34	ZZZZZZ	99.86	110.011	99.889	116.698	110.606	118.191	112.536	109.194
19:39	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:44	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:49	ZZZZZZ	No results reported for the elements associated with this internal standard.							
19:54	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:00	MA30185-CCVA4	112.918	121.896	110.117	124.086	116.499	124.944	118.549	119.613
20:05	MA30185-CCB4	117.338	124.606	113.551	125.106	117.674	126.425	118.173	122.736
20:10	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:15	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:20	ZZZZZZ	99.778	107.693	98	116.887	108.396	118.476	108.818	111.057
20:25	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:30	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:36	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:41	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:46	MP68736-SD2	No results reported for the elements associated with this internal standard.							
20:51	ZZZZZZ	No results reported for the elements associated with this internal standard.							
20:56	ZZZZZZ	110.581	120.843	108.821	126.184	117.833	128.05	119.407	121.365
21:01	MA30185-CCVA5	109.153	129.538	105.987	134.08 !	113.842	134.773 !	115.172	128.175
21:06	MA30185-CCB5	121.696	130.157 !a	117.836	130.944 !	122.209	132.25 !	123.394	128.332
21:11	MA30185-CRI2	120.174	129.234	116.458	129.16	120.981	130.187 !	122.289	125.597
21:17	ZZZZZZ	112.365	121.685	109.424	125.952	118.458	126.707	119.477	122.444
21:22	ZZZZZZ	No results reported for the elements associated with this internal standard.							
21:27	MP68812-MB1	No results reported for the elements associated with this internal standard.							
21:32	MP68812-B1	No results reported for the elements associated with this internal standard.							
21:37	MP68812-S1	No results reported for the elements associated with this internal standard.							
21:42	MP68812-S2	No results reported for the elements associated with this internal standard.							

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
21:47	ZZZZZZ	No results reported for the elements associated with this internal standard.							
21:52	F99982-8	No results reported for the elements associated with this internal standard.							
21:57	MP68812-SD1	No results reported for the elements associated with this internal standard.							
22:02	MA30185-CCVA6	122.667	131.015	!b117.966	129.619	121.969	129.185	122.75	121.709
22:08	MA30185-CCB6	126.359	132.984	!a121.118	130.126 !	123.694	129.722	124.093	125.739
22:13	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:18	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:23	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:28	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:33	MA30185-CCVA7	120.592	123.781	116.671	122.187	120.824	122.21	120.961	115.048
22:38	MA30185-CCB7	125.369	130.612	!a121.234	128.246	120.91	127.862	121.205	122.726
22:43	MA30185-CRI3	124.838	130.614	!a120.592	127.309	120.688	126.42	121.68	122.553
22:48	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:53	ZZZZZZ	No results reported for the elements associated with this internal standard.							
22:59	MP68805-S1	No results reported for the elements associated with this internal standard.							
23:04	MP68805-S2	No results reported for the elements associated with this internal standard.							
23:09	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:14	JB24613-6	No results reported for the elements associated with this internal standard.							
23:20	MP68805-SD1	No results reported for the elements associated with this internal standard.							
23:25	MA30185-CCVA8	118.265	130.853	!a113.538	132.674 !	121.14	133.006 !	122.266	125.164
23:30	MA30185-CCB8	123.95	131.225	!a118.088	130.845 !	121.801	130.92 !	122.871	127.435
23:35	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:40	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:46	ZZZZZZ	No results reported for the elements associated with this internal standard.							
23:51	JB24613-4	100.887	112.863	98.765	122.198	113.433	123.118	115.073	116.62
23:56	JB24613-5	100.18	110.418	100.238	121.108	113.661	123.005	115.403	110.289
00:01	JB24613-7	95.043	108.188	98.15	115.506	107.656	116.549	109.336	98.052
00:06	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:12	JB24613-8	103.506	111.272	104.013	124.756	118.105	125.316	119.288	105.986
00:17	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:22	ZZZZZZ	No results reported for the elements associated with this internal standard.							
00:27	MA30185-CCVA9	112.725	122.196	108.67	127.454	117.737	127.764	119.72	121.901
00:32	MA30185-CCB9	118.572	124.878	112.852	128.223	119.393	127.375	121.074	126.125

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
00:37	JB24613-6	109.41	119.18	108.967	126.017	117.034	127.403	118.466	117.402
00:43	MP68805-SD1	123.052	132.251 !a	119.323	132.838 !a	123.635	132.282 !a	125.177	126.835
00:48	MP68805-S1	119.787	128.194	116.44	129.278	121.708	130.194 !a	122.964	126.86
00:53	MP68805-S2	119.081	126.475	115.774	128.259	120.938	127.872	121.531	124.581
00:58	JB24613-6	119.121	127.261	116.226	127.83	120.495	128.64	120.889	124.033
01:03	MP68805-SD1	129.679	131.31 !a	127.147	128.898	127.736	130.114 !a	128.347	123.096
01:08	JB24613-4	119.724	125.258	115.652	125.646	119.964	126.105	120.474	123.663
01:13	JB24613-5	117.386	126.361	115.818	126.607	120.075	127.216	121.937	120.715
01:19	JB24613-7	117.635	125.093	114.325	124.912	119.2	125.651	120.369	122.287
01:24	JB24613-8	113.514	117.055	111.753	120.846	117.809	122.105	119.677	116.761
01:29	MA30185-CCVA10	113.966	121.663	108.948	123.394	116.465	124.018	118.333	117.918
01:34	MA30185-CCB10	116.547	122.528	113.68	123.69	117.518	124.417	117.993	121.588
01:39	ZZZZZZ	No results reported for the elements associated with this internal standard.							
01:44	MA30185-CRI4	115.66	121.35	111.825	122.19	116.81	122.838	117.519	120.273
01:49	MP68796-MB1	112.149	120.848	110.144	122.717	113.879	122.721	114.282	120.892
01:54	MP68796-LC1	111.712	117.111	107.536	120.062	115.202	121.242	116.368	117.353
02:00	MP68796-S1	114.328	121.052	113.906	123.675	118.835	124.744	119.943	113.219
02:05	MP68796-S2	107.984	126.567 !	108.644	126.988 !	111.577	127.653 !	111.854	115.861
02:10	MP68796-S3	118.38	127.454 !	115.973	126.56 !	120.079	126.096 !	121.152	118.142
02:15	ZZZZZZ	No results reported for the elements associated with this internal standard.							
02:20	FA7-1F	114.284	121.88	113.822	123.897	118.461	124.352	118.691	113.478
02:25	FA7-2F	117.262	126.915 !	115.254	126.413 !	119.677	126.876 !	120.008	117.777
02:31	MA30185-CCVA11	109.706	115.522	106.346	118.1	113.841	119.108	115.788	113.798
02:36	MA30185-CCB11	114.806	121.253	111.323	122.028	116.378	122.328	117.363	120.996
02:41	ZZZZZZ	114.397	121.722	114.549	123.103	119.278	123.475	120.776	112.759
02:46	ZZZZZZ	116.394	119.712	114.756	118.709	118.878	118.823	119.828	110.603
02:51	ZZZZZZ	116.155	122.73	113.414	122.132	117.787	122.511	117.91	117.101
02:56	ZZZZZZ	113.232	120.587	111.786	120.402	115.479	121.426	116.514	116.487
03:01	ZZZZZZ	112.985	118.646	111.099	118.582	115.272	119.25	116.092	112.964
03:06	ZZZZZZ	111.498	117.755	110.525	118.367	115.156	119.322	116.383	113.228
03:12	ZZZZZZ	110.06	117.501	110.278	119.344	116.081	120.395	117.627	112.255
03:17	ZZZZZZ	110.731	119.075	111.447	121.14	116.468	122.834	117.729	115.157
03:22	ZZZZZZ	108.533	118.992	107.846	121.841	115.43	121.54	116.379	114.945

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#9	Istd#10	Istd#11	Istd#12	Istd#13	Istd#14	Istd#15	Istd#16
03:27	MA30185-CCVA12	105.551	111.288	103.291	115.952	111.987	116.864	112.86	112.615
03:32	MA30185-CCB12	110.486	115.444	107.756	118.411	112.77	118.899	113.753	117.319
03:37	ZZZZZZ	106.946	113.3	106.383	114.448	110.131	115.183	110.886	113.01
03:42	ZZZZZZ	106.69	112.929	105.78	113.977	110.114	114.795	111.306	111.585
03:48	ZZZZZZ	104.662	110.24	103.881	112.637	108.21	112.971	110.229	111.846
03:53	ZZZZZZ	104	109.556	103.011	111.575	107.981	111.325	108.715	111.16
03:58	ZZZZZZ	102.196	107.945	101.517	109.534	106.207	110.211	107.515	109.729
04:03	ZZZZZZ	100.072	104.792	100.942	107.938	105.959	108.332	106.768	105.977
04:08	ZZZZZZ	101.218	105.262	101.161	107.417	105.982	108.433	106.369	105.866
04:13	ZZZZZZ	99.927	104.201	100.153	106.484	104.935	106.621	106.049	105.052
04:18	MA30185-CCVA13	97.308	101.297	95.69	105.267	103.827	106.333	104.546	103.156
04:23	MA30185-CCB13	100.847	105.05	99.918	107.055	104.399	107.828	105.822	107.606
04:28	ZZZZZZ	No results reported for the elements associated with this internal standard.							
04:34	ZZZZZZ	No results reported for the elements associated with this internal standard.							
04:39	ZZZZZZ	No results reported for the elements associated with this internal standard.							
04:44	ZZZZZZ	No results reported for the elements associated with this internal standard.							

! = Outside limits.

LEGEND: Istd#	Parameter	Limits	CCV/CCB Limits
Istd#9	Rhodium (103-2)	60-125 %	60-125 %
Istd#10	Indium (115-1)	60-125 %	60-125 %
Istd#11	Indium (115-2)	60-125 %	60-125 %
Istd#12	Terbium (159-1)	60-125 %	60-125 %
Istd#13	Terbium (159-2)	60-125 %	60-125 %
Istd#14	Holmium (165-1)	60-125 %	60-125 %
Istd#15	Holmium (165-2)	60-125 %	60-125 %
Istd#16	Bismuth (209-1)	60-125 %	60-125 %

(a) No samples reported for the elements associated with this internal standard.
(b) No samples reported for this element in the area bracketed by this QC.

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#17
16:08	MA30185-STD1	100
16:13	MA30185-STD2	100
16:19	MA30185-STD3	100.133
16:24	MA30185-STD4	100.355
16:29	MA30185-STD5	100.12
16:34	MA30185-STD6	98.84
16:39	MA30185-STD7	97.131
16:45	MA30185-STD8	99.367
16:50	MA30185-STD9	99.816
16:55	MA30185-STD10	97.617
17:00	MA30185-STD11	96.038
17:05	ZZZZZZ	No results reported for the elements associated with this internal standard.
17:10	ZZZZZZ	No results reported for the elements associated with this internal standard.
17:15	MA30185-ICVA1	96.984
17:20	MA30185-ICB1	101.662
17:25	MA30185-CRI1	101.752
17:31	MA30185-CCVA1	98.305
17:36	MA30185-CCB1	101.816
17:41	MA30185-ICSA1	89.158
17:46	MA30185-ICSAB1	96.173
17:52	ZZZZZZ	No results reported for the elements associated with this internal standard.
17:57	MA30185-CCVA2	106.638
18:02	MA30185-CCB2	112.915
18:07	MP68736-MB2	109.37
18:12	ZZZZZZ	No results reported for the elements associated with this internal standard.
18:17	MP68736-S3	No results reported for the elements associated with this internal standard.
18:22	MP68736-S4	No results reported for the elements associated with this internal standard.
18:27	ZZZZZZ	No results reported for the elements associated with this internal standard.
18:32	C25285-17	No results reported for the elements associated with this internal standard.
18:38	MP68736-SD2	No results reported for the elements associated with this internal standard.
18:43	ZZZZZZ	No results reported for the elements associated with this internal standard.
18:48	ZZZZZZ	No results reported for the elements associated with this internal standard.
18:53	ZZZZZZ	No results reported for the elements associated with this internal standard.

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#17
18:58	MA30185-CCVA3	112.876
19:03	MA30185-CCB3	119.646
19:08	ZZZZZZ	No results reported for the elements associated with this internal standard.
19:13	ZZZZZZ	No results reported for the elements associated with this internal standard.
19:19	ZZZZZZ	No results reported for the elements associated with this internal standard.
19:24	ZZZZZZ	No results reported for the elements associated with this internal standard.
19:29	ZZZZZZ	No results reported for the elements associated with this internal standard.
19:34	ZZZZZZ	103.964
19:39	ZZZZZZ	No results reported for the elements associated with this internal standard.
19:44	ZZZZZZ	No results reported for the elements associated with this internal standard.
19:49	ZZZZZZ	No results reported for the elements associated with this internal standard.
19:54	ZZZZZZ	No results reported for the elements associated with this internal standard.
20:00	MA30185-CCVA4	114.045
20:05	MA30185-CCB4	117.86
20:10	ZZZZZZ	No results reported for the elements associated with this internal standard.
20:15	ZZZZZZ	No results reported for the elements associated with this internal standard.
20:20	ZZZZZZ	102.831
20:25	ZZZZZZ	No results reported for the elements associated with this internal standard.
20:30	ZZZZZZ	No results reported for the elements associated with this internal standard.
20:36	ZZZZZZ	No results reported for the elements associated with this internal standard.
20:41	ZZZZZZ	No results reported for the elements associated with this internal standard.
20:46	MP68736-SD2	No results reported for the elements associated with this internal standard.
20:51	ZZZZZZ	No results reported for the elements associated with this internal standard.
20:56	ZZZZZZ	115.654
21:01	MA30185-CCVA5	112.615
21:06	MA30185-CCB5	123.136
21:11	MA30185-CRI2	121.749
21:17	ZZZZZZ	115.949
21:22	ZZZZZZ	No results reported for the elements associated with this internal standard.
21:27	MP68812-MB1	No results reported for the elements associated with this internal standard.
21:32	MP68812-B1	No results reported for the elements associated with this internal standard.
21:37	MP68812-S1	No results reported for the elements associated with this internal standard.
21:42	MP68812-S2	No results reported for the elements associated with this internal standard.

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#17
21:47	ZZZZZZ	No results reported for the elements associated with this internal standard.
21:52	F99982-8	No results reported for the elements associated with this internal standard.
21:57	MP68812-SD1	No results reported for the elements associated with this internal standard.
22:02	MA30185-CCVA6	117.047
22:08	MA30185-CCB6	121.586
22:13	ZZZZZZ	No results reported for the elements associated with this internal standard.
22:18	ZZZZZZ	No results reported for the elements associated with this internal standard.
22:23	ZZZZZZ	No results reported for the elements associated with this internal standard.
22:28	ZZZZZZ	No results reported for the elements associated with this internal standard.
22:33	MA30185-CCVA7	115.528
22:38	MA30185-CCB7	119.336
22:43	MA30185-CRI3	119.911
22:48	ZZZZZZ	No results reported for the elements associated with this internal standard.
22:53	ZZZZZZ	No results reported for the elements associated with this internal standard.
22:59	MP68805-S1	No results reported for the elements associated with this internal standard.
23:04	MP68805-S2	No results reported for the elements associated with this internal standard.
23:09	ZZZZZZ	No results reported for the elements associated with this internal standard.
23:14	JB24613-6	No results reported for the elements associated with this internal standard.
23:20	MP68805-SD1	No results reported for the elements associated with this internal standard.
23:25	MA30185-CCVA8	117.789
23:30	MA30185-CCB8	122.962
23:35	ZZZZZZ	No results reported for the elements associated with this internal standard.
23:40	ZZZZZZ	No results reported for the elements associated with this internal standard.
23:46	ZZZZZZ	No results reported for the elements associated with this internal standard.
23:51	JB24613-4	111.17
23:56	JB24613-5	104.235
00:01	JB24613-7	91.79
00:06	ZZZZZZ	No results reported for the elements associated with this internal standard.
00:12	JB24613-8	100.873
00:17	ZZZZZZ	No results reported for the elements associated with this internal standard.
00:22	ZZZZZZ	No results reported for the elements associated with this internal standard.
00:27	MA30185-CCVA9	115.975
00:32	MA30185-CCB9	121.39

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#17
00:37	JB24613-6	109.724
00:43	MP68805-SD1	122.912
00:48	MP68805-S1	121.784
00:53	MP68805-S2	120.26
00:58	JB24613-6	120.184
01:03	MP68805-SD1	127.69
01:08	JB24613-4	120.69
01:13	JB24613-5	116.929
01:19	JB24613-7	118.923
01:24	JB24613-8	116.173
01:29	MA30185-CCVA10	114.038
01:34	MA30185-CCB10	117.48
01:39	ZZZZZZ	No results reported for the elements associated with this internal standard.
01:44	MA30185-CRI4	117.037
01:49	MP68796-MB1	115.346
01:54	MP68796-LC1	113.974
02:00	MP68796-S1	111.675
02:05	MP68796-S2	105.63
02:10	MP68796-S3	115.704
02:15	ZZZZZZ	No results reported for the elements associated with this internal standard.
02:20	FA7-1F	110.297
02:25	FA7-2F	115.47
02:31	MA30185-CCVA11	111.882
02:36	MA30185-CCB11	117.141
02:41	ZZZZZZ	111.929
02:46	ZZZZZZ	115.375
02:51	ZZZZZZ	115.925
02:56	ZZZZZZ	114.09
03:01	ZZZZZZ	114.074
03:06	ZZZZZZ	114.55
03:12	ZZZZZZ	112.204
03:17	ZZZZZZ	114.113
03:22	ZZZZZZ	111.834

INTERNAL STANDARD SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
Analyst: RP Run ID: MA30185
Parameters: Mn,Zn

Time	Sample Description	Istd#17
03:27	MA30185-CCVA12	110.145
03:32	MA30185-CCB12	113.976
03:37	ZZZZZZ	112.32
03:42	ZZZZZZ	111.174
03:48	ZZZZZZ	110.926
03:53	ZZZZZZ	109.963
03:58	ZZZZZZ	108.656
04:03	ZZZZZZ	105.305
04:08	ZZZZZZ	105.433
04:13	ZZZZZZ	105.005
04:18	MA30185-CCVA13	102.565
04:23	MA30185-CCB13	106.325
04:28	ZZZZZZ	No results reported for the elements associated with this internal standard.
04:34	ZZZZZZ	No results reported for the elements associated with this internal standard.
04:39	ZZZZZZ	No results reported for the elements associated with this internal standard.
04:44	ZZZZZZ	No results reported for the elements associated with this internal standard.

! = Outside limits.

LEGEND:			CCV/CCB
Istd#	Parameter	Limits	Limits
Istd#17	Bismuth (209-2)	60-125 %	60-125 %

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: result < RL Run ID: MA30185 Units: ug/l

Time: / Sample ID:			17:20 ICB1		17:36 CCB1		18:02 CCB2		19:03 CCB3	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	25	.057								
Antimony	0.50	.014	anr							
Arsenic	0.50	.022	anr							
Barium	1.0	.03								
Beryllium	0.50	.004								
Boron	5.0	.46								
Cadmium	0.50	.004								
Calcium	250	1.6								
Chromium	1.0	.051	anr							
Cobalt	0.50	.004								
Copper	1.0	.017	anr							
Iron	25	.66								
Lead	0.50	.005	anr							
Magnesium	250	.2								
Manganese	1.0	.02	0.0037	<1.0	0.0095	<1.0	0.011	<1.0	0.021	<1.0
Molybdenum	1.0	.075								
Nickel	1.0	.051	anr							
Potassium	250	1.9								
Selenium	0.50	.03								
Silver	0.50	.005								
Sodium	250	1.2								
Strontium	5.0	.007								
Thallium	0.50	.049	anr							
Tin	5.0	.028								
Titanium	1.0	.031								
Vanadium	1.0	.022								
Zinc	2.0	.081	-0.023	<2.0	-0.014	<2.0	0.0051	<2.0	0.16	<2.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: result < RL Run ID: MA30185 Units: ug/l

Time:			20:05		21:06		22:08		22:38	
Sample ID:			CCB4		CCB5		CCB6		CCB7	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	25	.057								
Antimony	0.50	.014	anr							
Arsenic	0.50	.022	anr							
Barium	1.0	.03								
Beryllium	0.50	.004								
Boron	5.0	.46								
Cadmium	0.50	.004								
Calcium	250	1.6								
Chromium	1.0	.051	anr							
Cobalt	0.50	.004								
Copper	1.0	.017	anr							
Iron	25	.66								
Lead	0.50	.005	anr							
Magnesium	250	.2								
Manganese	1.0	.02	0.0021	<1.0	0.0073	<1.0	0.011	<1.0	0.012	<1.0
Molybdenum	1.0	.075								
Nickel	1.0	.051	anr							
Potassium	250	1.9								
Selenium	0.50	.03								
Silver	0.50	.005								
Sodium	250	1.2								
Strontium	5.0	.007								
Thallium	0.50	.049	anr							
Tin	5.0	.028								
Titanium	1.0	.031								
Vanadium	1.0	.022								
Zinc	2.0	.081	0.079	<2.0	0.023	<2.0	0.046	<2.0	0.035	<2.0

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 1 - Initial and Continuing Calibration Blanks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: result < RL Run ID: MA30185 Units: ug/l

Time:			23:30		00:32		01:34		02:36	
Sample ID:			CCB8		CCB9		CCB10		CCB11	
Metal	RL	IDL	raw	final	raw	final	raw	final	raw	final
Aluminum	25	.057								
Antimony	0.50	.014	anr							
Arsenic	0.50	.022	anr							
Barium	1.0	.03								
Beryllium	0.50	.004								
Boron	5.0	.46								
Cadmium	0.50	.004								
Calcium	250	1.6								
Chromium	1.0	.051	anr							
Cobalt	0.50	.004								
Copper	1.0	.017	anr							
Iron	25	.66								
Lead	0.50	.005	anr							
Magnesium	250	.2								
Manganese	1.0	.02	0.083	<1.0	0.049	<1.0	0.018	<1.0	0.0084	<1.0
Molybdenum	1.0	.075								
Nickel	1.0	.051	anr							
Potassium	250	1.9								
Selenium	0.50	.03								
Silver	0.50	.005								
Sodium	250	1.2								
Strontium	5.0	.007								
Thallium	0.50	.049	anr							
Tin	5.0	.028								
Titanium	1.0	.031								
Vanadium	1.0	.022								
Zinc	2.0	.081	0.024	<2.0	0.021	<2.0	-0.0046	<2.0	-0.00029	<2.0

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA30185 Units: ug/l

Time:		17:15			17:31			17:57	
Sample ID:	ICVA	ICVA1		CCVA	CCVA1		CCVA	CCVA2	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron									
Lead	anr								
Magnesium									
Manganese	60	58.0	96.7	50	51.2	102.4	50	51.1	102.2
Molybdenum									
Nickel	anr								
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	60	56.6	94.3	50	50.4	100.8	50	52.4	104.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA30185 Units: ug/l

Time:		18:58			20:00			21:01	
Sample ID:	CCVA	CCVA3		CCVA	CCVA4		CCVA	CCVA5	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron									
Lead	anr								
Magnesium									
Manganese	50	51.2	102.4	50	50.8	101.6	50	54.2	108.4
Molybdenum									
Nickel	anr								
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	50	51.5	103.0	50	51.9	103.8	50	54.9	109.8

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA30185 Units: ug/l

Time:		22:02			22:33			23:25	
Sample ID:	CCVA	CCVA6		CCVA	CCVA7		CCVA	CCVA8	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron									
Lead	anr								
Magnesium									
Manganese	50	50.6	101.2	50	50.4	100.8	50	51.7	103.4
Molybdenum									
Nickel	anr								
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	50	50.6	101.2	50	50.1	100.2	50	53.6	107.2

(*) Outside of QC limits
(anr) Analyte not requested

CALIBRATION CHECK STANDARDS SUMMARY
Initial and Continuing Calibration Checks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 90 to 110 % Recovery Run ID: MA30185 Units: ug/l

Time:		00:27			01:29			02:31	
Sample ID:	CCVA	CCVA9		CCVA	CCVA10		CCVA	CCVA11	
Metal	True	Results	% Rec	True	Results	% Rec	True	Results	% Rec
Aluminum									
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium									
Boron									
Cadmium									
Calcium									
Chromium	anr								
Cobalt									
Copper	anr								
Iron									
Lead	anr								
Magnesium									
Manganese	50	50.4	100.8	50	51.2	102.4	50	51.4	102.8
Molybdenum									
Nickel	anr								
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc	50	52.5	105.0	50	52.6	105.2	50	52.4	104.8

(*) Outside of QC limits
(anr) Analyte not requested

LOW CALIBRATION CHECK STANDARDS SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 70 to 130 % Recovery Run ID: MA30185 Units: ug/l

Time:			17:25		21:11		22:43		01:44	
Sample ID:	CRI	CRIA	CRI1		CRI2		CRI3		CRI4	
Metal	True	True	Results	% Rec	Results	% Rec	Results	% Rec	Results	% Rec
Aluminum	25	25								
Antimony	0.50	0.25	anr							
Arsenic	0.50	0.50	anr							
Barium	1.0	0.50								
Beryllium	0.50	0.25								
Boron	5.0	2.5								
Cadmium	0.50	0.25								
Calcium	250	125								
Chromium	1.0	2.0	anr							
Cobalt	0.50	0.25								
Copper	1.0	2.0	anr							
Iron	25	25								
Lead	0.50	0.25	anr							
Magnesium	250	125								
Manganese	0.50	0.25	0.56	112.0	0.46	92.0	0.49	98.0	0.53	106.0
Molybdenum	1.0	0.50								
Nickel	1.0	2.0	anr							
Potassium	250	125								
Selenium	0.50	0.50								
Silver	0.50	1.0								
Sodium	250	125								
Strontium	5.0	0.50								
Thallium	0.50	0.25	anr							
Tin	5.0	0.50								
Titanium	1.0	0.50								
Vanadium	1.0	2.0								
Zinc	2.0	2.0	2.2	110.0	2.3	115.0	2.1	105.0	2.4	120.0

(*) Outside of QC limits
(anr) Analyte not requested

INTERFERING ELEMENT CHECK STANDARDS SUMMARY
Part 1 - ICSA and ICSAB Standards

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

File ID: XA123012M1.CSV Date Analyzed: 12/30/12 Methods: EPA 200.8, SW846 6020, SW846 6020A
QC Limits: 80 to 120 % Recovery Run ID: MA30185 Units: ug/l

Time:			17:41		17:46	
Sample ID:	ICSA	ICSAB	ICSA1		ICSAB1	
Metal	True	True	Results	% Rec	Results	% Rec
Aluminum	100000	100000	94200	94.2	91100	91.1
Antimony			0.36		0.33	
Arsenic		20	0.29		18.7	93.5
Barium			0.22		0.21	
Beryllium			0.0024		-0.00016	
Boron			0.67		0.63	
Cadmium		20	0.77		18.7	93.5
Calcium	100000	100000	97600	97.6	95000	95.0
Chromium		20	1.0		19.9	99.5
Cobalt		20	0.038		17.3	86.5
Copper		20	0.19		16.2	81.0
Iron	100000	100000	96500	96.5	94200	94.2
Lead			0.13		0.14	
Magnesium	100000	100000	97100	97.1	92800	92.8
Manganese		20	0.21		18.9	94.5
Molybdenum	2000	2000	1960	98.0	1910	95.5
Nickel		20	0.66		17.1	85.5
Potassium	100000	100000	95600	95.6	92800	92.8
Selenium			0.038		0.040	
Silver		20	0.062		17.4	87.0
Sodium	100000	100000	95000	95.0	91400	91.4
Strontium			0.29		0.29	
Thallium			0.035		0.025	
Tin			0.13		0.11	
Titanium	2000	2000	1870	93.5	1800	90.0
Vanadium			0.16		0.16	
Zinc		20	1.9		18.5	92.5

(*) Outside of QC limits
(anr) Analyte not requested

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

QC Batch ID: MP68805
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 12/27/12

Metal	RL	IDL	MDL	MB raw	final
Aluminum	50	.11	13		
Antimony	1.0	.028	.43		
Arsenic	1.0	.044	.35	0.21	<1.0
Barium	2.0	.06	.29		
Beryllium	1.0	.008	.061		
Boron	10	.92	.8		
Cadmium	1.0	.008	.13	-0.00095	<1.0
Calcium	500	3.2	15		
Chromium	2.0	.1	.11		
Cobalt	1.0	.008	.11		
Copper	2.0	.034	.12		
Iron	50	1.3	7.8		
Lead	1.0	.01	.026	0.070	<1.0
Magnesium	500	.39	6.7		
Manganese	2.0	.04	.15	0.17	<2.0
Molybdenum	2.0	.15	.25		
Nickel	2.0	.1	.02	0.063	<2.0
Potassium	500	3.8	17		
Selenium	1.0	.06	.3		
Silver	1.0	.01	.053		
Sodium	500	2.3	9.3		
Strontium	10	.014	.062		
Thallium	1.0	.098	.078	0.14	<1.0
Tin	10	.056	.11		
Titanium	2.0	.062	.22		
Vanadium	2.0	.044	.15		
Zinc	4.0	.16	.49	0.88	<4.0

Associated samples MP68805: JB24613-1, JB24613-2, JB24613-3, JB24613-4, JB24613-5, JB24613-6, JB24613-7, JB24613-8, JB24613-9, JB24613-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

QC Batch ID: MP68805
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 12/27/12

Metal	JB24613-6 Original	MS	Spikelot MPIRW1	% Rec	QC Limits
Aluminum					
Antimony					
Arsenic	60.3	2270	2000	110.5	75-125
Barium					
Beryllium					
Boron					
Cadmium	33.7	94.7	50	122.0	75-125
Calcium					
Chromium					
Cobalt					
Copper					
Iron					
Lead	45.5	685	500	127.9N(a	75-125
Magnesium					
Manganese	16900	18400	500	300.0(b)	75-125
Molybdenum					
Nickel	641	1360	500	143.8N(a	75-125
Potassium					
Selenium					
Silver					
Sodium					
Strontium					
Thallium	0.68	2170	2000	108.5	75-125
Tin					
Titanium					
Vanadium					
Zinc	2110	3040	500	186.0(b)	75-125

Associated samples MP68805: JB24613-1, JB24613-2, JB24613-3, JB24613-4, JB24613-5, JB24613-6, JB24613-7, JB24613-8, JB24613-9, JB24613-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

QC Batch ID: MP68805 Methods: SW846 6020A
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 12/27/12

Metal	JB24613-6 Original	MSD	Spikelot MPIRW1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	60.3	2210	2000	107.5	2.7	20
Barium						
Beryllium						
Boron						
Cadmium	33.7	90.8	50	114.2	4.2	20
Calcium						
Chromium						
Cobalt						
Copper						
Iron						
Lead	45.5	638	500	118.5	7.1	20
Magnesium						
Manganese	16900	18400	500	300.0(a)	0.0	20
Molybdenum						
Nickel	641	1310	500	133.8N(b	3.7	20
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium	0.68	2080	2000	104.0	4.2	20
Tin						
Titanium						
Vanadium						
Zinc	2110	2990	500	176.0(a)	1.7	20

Associated samples MP68805: JB24613-1, JB24613-2, JB24613-3, JB24613-4, JB24613-5, JB24613-6, JB24613-7, JB24613-8, JB24613-9, JB24613-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(b) Spike recovery indicates possible matrix interference.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

QC Batch ID: MP68805
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 12/27/12

Metal	LCS Result	Spikelot MPLCW3	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	463	500	92.6	80-120
Barium				
Beryllium				
Boron				
Cadmium	471	500	94.2	80-120
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	535	500	107.0	80-120
Magnesium				
Manganese	497	500	99.4	80-120
Molybdenum				
Nickel	491	500	98.2	80-120
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium	488	500	97.6	80-120
Tin				
Titanium				
Vanadium				
Zinc	450	500	90.0	80-120

Associated samples MP68805: JB24613-1, JB24613-2, JB24613-3, JB24613-4, JB24613-5, JB24613-6, JB24613-7, JB24613-8, JB24613-9, JB24613-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: JB24613
Account: ALLA - Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

QC Batch ID: MP68805
Matrix Type: AQUEOUS

Methods: SW846 6020A
Units: ug/l

Prep Date: 12/27/12

Metal	JB24613-6 Original	SDL 2:10	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic	60.3	66.9	11.0*(a)	0-10
Barium				
Beryllium				
Boron				
Cadmium	33.7	34.5	2.5	0-10
Calcium				
Chromium				
Cobalt				
Copper				
Iron				
Lead	45.5	40.5	11.0*(a)	0-10
Magnesium				
Manganese	16900	16100	4.7	0-10
Molybdenum				
Nickel	641	724	12.9*(a)	0-10
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium	0.677	1.31	93.9 (b)	0-10
Tin				
Titanium				
Vanadium				
Zinc	2110	2310	9.4	0-10

Associated samples MP68805: JB24613-1, JB24613-2, JB24613-3, JB24613-4, JB24613-5, JB24613-6, JB24613-7, JB24613-8, JB24613-9, JB24613-10

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.
(b) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Instrument Detection Limits

Job Number: JB24613
Account: ALLA Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

Instrument ID: AGICPMS1 **Effective Date:** 11/19/12

Analyte	IDL ug/l
Aluminum	.057
Antimony	.014
Arsenic	.1254
Arsenic	.022
Barium	.03
Beryllium	.004
Boron	.462
Cadmium	.0022
Cadmium	.004
Calcium	2.38
Calcium	1.58
Chromium	.0199
Chromium	.051
Cobalt	.002
Cobalt	.004
Copper	.0085
Copper	.017
Iron	.247
Iron	.6603
Lead	.005
Magnesium	.197
Manganese	.0043
Manganese	.02
Molybdenum	.075
Nickel	.0182
Nickel	.051
Potassium	1.9
Selenium	.0448
Selenium	.03
Silver	.005
Sodium	1.154
Strontium	.007
Thallium	.049
Tin	.028
Titanium	.031
Vanadium	.0707
Vanadium	.022
Zinc	.0178
Zinc	.081

The above applies to the following instrument runs:
MA30163,MA30182,MA30185

Instrument Linear Ranges

Job Number: JB24613
Account: ALLA Accutest SPL Lafayette
Project: SEMS Incorporated, Delatte Metals Superfund, LA

Instrument ID: AGICPMS1 **Effective Date:** 11/26/12

Analyte	Linear Range ug/l
Aluminum	100000
Antimony	500
Arsenic	500
Arsenic	500
Barium	500
Beryllium	500
Boron	500
Cadmium	500
Cadmium	500
Calcium	100000
Calcium	100000
Chromium	500
Chromium	500
Cobalt	500
Cobalt	500
Copper	500
Copper	500
Iron	100000
Iron	100000
Lithium	100
Lead	500
Magnesium	100000
Manganese	500
Manganese	500
Molybdenum	250
Nickel	500
Nickel	500
Potassium	100000
Selenium	500
Selenium	500
Silver	500
Sodium	100000
Strontium	500
Thallium	500
Tin	500
Titanium	500
Tungsten	100
Uranium	100
Vanadium	500
Vanadium	500
Zinc	500
Zinc	500

The above applies to the following instrument runs:
MA30163,MA30182,MA30185

New Jersey ACCUTEST LABORATORIES

Metals Analysis

Raw Data

Quantitation Report

File Name	001CALB.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 14:22
Sample Name	STDA 2
Sample Type	CalBlk
Comment	0
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.039	ug/l	31.74	205.34	1.192E-04	Pulse	0.25	3
B	11	6	1	0.163	ug/l	34.74	3,462.68	2.009E-03	Pulse	0.15	3
Na	23	45	1	-0.912	ug/l	-28.16	218,959.50	6.619E-02	Pulse	0.10	3
Na	23	45	2	-0.051	ug/l	-2058.41	8,408.91	4.480E-02	Pulse	0.20	3
Mg	24	45	1	0.008	ug/l	300.12	2,483.62	7.510E-04	Pulse	0.10	3
Mg	24	45	2	-0.049	ug/l	-155.28	55.00	2.932E-04	Pulse	0.20	3
Al	27	45	1	0.011	ug/l	193.44	4,264.05	1.289E-03	Pulse	0.10	3
Al	27	45	2	-0.187	ug/l	-77.96	30.00	1.599E-04	Pulse	0.20	3
K	39	45	1	-2.252	ug/l	-17.18	1,060,557.19	3.206E-01	Pulse	0.10	3
K	39	45	2	-0.602	ug/l	-265.55	8,395.56	4.471E-02	Pulse	0.20	3
Ca	43	45	1	-0.454	ug/l	-155.03	88.22	2.670E-05	Pulse	1.50	3
Ca	43	45	2	-0.261	ug/l	-318.95	0.67	3.532E-06	Pulse	1.50	3
Ca	44	45	1	-0.371	ug/l	-117.67	2,136.91	6.463E-04	Pulse	0.10	3
Ca	44	45	2	0.534	ug/l	300.88	35.00	1.871E-04	Pulse	0.20	3
Ti	47	45	1	-0.024	ug/l	-68.40	23.33	7.021E-06	Pulse	0.10	3
Ti	47	45	2	0.035	ug/l	173.21	3.33	1.792E-05	Pulse	0.20	3
V	51	45	2	0.013	ug/l	76.58	343.34	1.828E-03	Pulse	0.20	3
Cr	52	45	2	0.001	ug/l	1572.63	2,835.30	1.510E-02	Pulse	0.20	3
Mn	55	45	2	0.003	ug/l	237.83	16.67	8.877E-05	Pulse	0.20	3
Fe	56	45	2	-0.189	ug/l	-4.89	1,890.15	1.007E-02	Pulse	0.20	3
Co	59	45	2	0.027	ug/l	20.76	216.68	1.155E-03	Pulse	0.20	3
Ni	60	45	2	0.011	ug/l	41.59	190.00	1.012E-03	Pulse	0.20	3
Cu	63	45	2	0.001	ug/l	384.98	80.00	4.258E-04	Pulse	0.20	3
Cu	65	45	2	-0.008	ug/l	-48.50	43.33	2.306E-04	Pulse	0.20	3
Zn	66	45	2	-0.036	ug/l	-126.53	81.67	4.341E-04	Pulse	0.20	3
As	75	45	2	0.001	ug/l	870.38	14.00	7.467E-05	Pulse	0.50	3
Se	78	45	2	-0.306	ug/l	-41.71	13.00	6.937E-05	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.010	ug/l	149.85	2.67	8.992E-06	Pulse	1.00	3
Sr	88	45	1	0.001	ug/l	79.19	490.03	1.481E-04	Pulse	0.10	3
Mo	95	103	1	-0.015	ug/l	-84.38	63.34	1.583E-05	Pulse	0.10	3
Ag	107	115	1	0.000	ug/l	129.56	116.67	2.776E-05	Pulse	0.10	3
Cd	111	115	1	0.001	ug/l	290.56	16.00	3.810E-06	Pulse	0.25	3
Cd	111	115	2	0.005	ug/l	128.54	8.00	6.734E-06	Pulse	0.25	3
Sn	117	115	1	-0.008	ug/l	-132.33	76.67	1.826E-05	Pulse	0.10	3
Sn	118	115	1	0.013	ug/l	125.78	360.02	8.554E-05	Pulse	0.10	3
Sn	118	115	2	0.014	ug/l	75.27	116.67	9.788E-05	Pulse	0.10	3
Sn	119	115	1	-0.006	ug/l	-450.74	330.02	7.860E-05	Pulse	0.10	3
Sb	121	159	1	-0.002	ug/l	-36.35	296.68	4.964E-05	Pulse	0.10	3
Ba	137	159	1	0.011	ug/l	135.99	833.39	1.395E-04	Pulse	0.10	3
Tl	205	209	1	0.004	ug/l	97.27	493.36	1.498E-04	Pulse	0.10	3
Pb	208	209	1	0.022	ug/l	20.07	1,420.09	4.314E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,723,447.48	0.59	100.0	Analog	0.10	3
1	Sc	45	3,308,154.33	0.75	100.0	Analog	0.10	3
2	Sc	45	187,769.68	0.84	100.0	Pulse	0.10	3
3	Sc	45	296,378.59	0.17	100.0	Pulse	0.10	3
1	Ge	72	657,256.41	0.82	100.0	Pulse	0.10	3
2	Ge	72	112,352.44	1.65	100.0	Pulse	0.10	3
3	Ge	72	144,636.93	0.15	100.0	Pulse	0.10	3
1	Rh	103	4,013,627.85	0.96	100.0	Analog	0.10	3
2	Rh	103	2,533,643.35	0.16	100.0	Analog	0.10	3
1	In	115	4,202,909.59	0.74	100.0	Analog	0.10	3
2	In	115	1,193,243.12	0.78	100.0	Pulse	0.10	3
1	Tb	159	5,976,861.16	0.47	100.0	Analog	0.10	3
2	Tb	159	3,928,336.29	0.84	100.0	Analog	0.10	3
1	Ho	165	5,606,246.38	0.81	100.0	Analog	0.10	3
2	Ho	165	3,776,653.28	0.36	100.0	Analog	0.10	3
1	Bi	209	3,292,520.58	0.39	100.0	Analog	0.10	3
2	Bi	209	2,514,281.84	0.22	100.0	Analog	0.10	3

Quantitation Report

File Name	002CALB.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 14:27
Sample Name	STDA
Sample Type	CalBlk
Comment	0
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.002	ug/l	-214.35	93.33	5.282E-05	Pulse	0.25	3
B	11	6	1	0.029	ug/l	334.80	3,247.06	1.838E-03	Pulse	0.15	3
Na	23	45	1	-1.301	ug/l	-10.16	220,793.45	6.480E-02	Pulse	0.10	3
Na	23	45	2	0.000	ug/l	---	8,662.36	4.492E-02	Pulse	0.20	3
Mg	24	45	1	0.000	ug/l	---	2,493.62	7.324E-04	Pulse	0.10	3
Mg	24	45	2	-0.014	ug/l	-547.34	65.00	3.367E-04	Pulse	0.20	3
Al	27	45	1	0.073	ug/l	34.48	5,090.96	1.494E-03	Pulse	0.10	3
Al	27	45	2	0.000	ug/l	---	48.33	2.503E-04	Pulse	0.20	3
K	39	45	1	0.000	ug/l	---	1,128,032.46	3.311E-01	Pulse	0.10	3
K	39	45	2	0.881	ug/l	106.37	9,005.92	4.670E-02	Pulse	0.20	3
Ca	43	45	1	0.000	ug/l	---	105.33	3.091E-05	Pulse	1.50	3
Ca	43	45	2	0.000	ug/l	---	0.89	4.636E-06	Pulse	1.50	3
Ca	44	45	1	0.000	ug/l	---	2,386.93	7.003E-04	Pulse	0.10	3
Ca	44	45	2	0.000	ug/l	---	28.33	1.478E-04	Pulse	0.20	3
Ti	47	45	1	0.004	ug/l	413.83	63.33	1.859E-05	Pulse	0.10	3
Ti	47	45	2	0.000	ug/l	---	0.00		Pulse	0.20	3
V	51	45	2	0.008	ug/l	103.70	340.01	1.762E-03	Pulse	0.20	3
Cr	52	45	2	-0.019	ug/l	-156.05	2,840.30	1.473E-02	Pulse	0.20	3
Mn	55	45	2	0.000	ug/l	-11512.43	11.67	6.058E-05	Pulse	0.20	3
Fe	56	45	2	-0.139	ug/l	-60.62	2,081.85	1.079E-02	Pulse	0.20	3
Co	59	45	2	0.000	ug/l	3423.36	78.33	4.065E-04	Pulse	0.20	3
Ni	60	45	2	0.000	ug/l	-11293.22	178.34	9.257E-04	Pulse	0.20	3
Cu	63	45	2	-0.001	ug/l	-280.62	76.67	3.977E-04	Pulse	0.20	3
Cu	65	45	2	0.000	ug/l	---	60.00	3.108E-04	Pulse	0.20	3
Zn	66	45	2	0.001	ug/l	2475.07	106.67	5.525E-04	Pulse	0.20	3
As	75	45	2	0.000	ug/l	5267.97	14.00	7.288E-05	Pulse	0.50	3
Se	78	45	2	0.071	ug/l	171.45	27.00	1.400E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.000	ug/l	---	1.67	5.561E-06	Pulse	1.00	3
Sr	88	45	1	-0.001	ug/l	-82.68	456.70	1.341E-04	Pulse	0.10	3
Mo	95	103	1	0.000	ug/l	---	136.68	3.332E-05	Pulse	0.10	3
Ag	107	115	1	-0.001	ug/l	-447.71	103.34	2.453E-05	Pulse	0.10	3
Cd	111	115	1	0.000	ug/l	---	14.67	3.478E-06	Pulse	0.25	3
Cd	111	115	2	0.000	ug/l	---	2.67	2.197E-06	Pulse	0.25	3
Sn	117	115	1	0.000	ug/l	---	93.34	2.211E-05	Pulse	0.10	3
Sn	118	115	1	0.000	ug/l	---	273.35	6.476E-05	Pulse	0.10	3
Sn	118	115	2	0.000	ug/l	---	86.67	7.127E-05	Pulse	0.10	3
Sn	119	115	1	0.000	ug/l	---	346.68	8.219E-05	Pulse	0.10	3
Sb	121	159	1	-0.003	ug/l	-228.30	293.35	4.896E-05	Pulse	0.10	3
Ba	137	159	1	-0.003	ug/l	-99.30	790.05	1.317E-04	Pulse	0.10	3
Tl	205	209	1	0.000	ug/l	2152.54	426.69	1.301E-04	Pulse	0.10	3
Pb	208	209	1	-0.001	ug/l	-353.70	886.72	2.708E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,766,384.82	0.45	100.0	Analog	0.10	3
1	Sc	45	3,407,328.08	0.64	100.0	Analog	0.10	3
2	Sc	45	192,859.31	1.12	100.0	Pulse	0.10	3
3	Sc	45	300,024.44	0.84	100.0	Pulse	0.10	3
1	Ge	72	673,756.48	0.56	100.0	Pulse	0.10	3
2	Ge	72	115,614.90	1.34	100.0	Pulse	0.10	3
3	Ge	72	147,898.94	0.95	100.0	Pulse	0.10	3
1	Rh	103	4,103,963.06	0.63	100.0	Analog	0.10	3
2	Rh	103	2,568,588.87	0.26	100.0	Analog	0.10	3
1	In	115	4,217,413.71	0.59	100.0	Analog	0.10	3
2	In	115	1,216,029.71	0.17	100.0	Pulse	0.10	3
1	Tb	159	5,998,255.95	1.21	100.0	Analog	0.10	3
2	Tb	159	3,967,386.61	0.23	100.0	Analog	0.10	3
1	Ho	165	5,609,895.54	0.64	100.0	Analog	0.10	3
2	Ho	165	3,812,310.67	0.20	100.0	Analog	0.10	3
1	Bi	209	3,278,280.89	1.36	100.0	Analog	0.10	3
2	Bi	209	2,549,819.18	0.32	100.0	Analog	0.10	3

Quantitation Report

File Name	003CALS.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 14:32
Sample Name	STDB
Sample Type	CalStd
Comment	0.5
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.506	ug/l	1.97	1,570.77	8.780E-04	Pulse	0.25	3
B	11	6	1	0.373	ug/l	13.69	4,076.15	2.278E-03	Pulse	0.15	3
Na	23	45	1	0.393	ug/l	114.11	245,204.83	7.086E-02	Pulse	0.10	3
Na	23	45	2	1.935	ug/l	19.66	9,829.72	4.950E-02	Pulse	0.20	3
Mg	24	45	1	0.388	ug/l	9.65	5,811.22	1.679E-03	Pulse	0.10	3
Mg	24	45	2	0.597	ug/l	54.41	216.67	1.089E-03	Pulse	0.20	3
Al	27	45	1	0.494	ug/l	2.45	9,979.98	2.884E-03	Pulse	0.10	3
Al	27	45	2	0.438	ug/l	14.87	91.67	4.617E-04	Pulse	0.20	3
K	39	45	1	0.441	ug/l	132.43	1,152,860.19	3.331E-01	Pulse	0.10	3
K	39	45	2	-0.145	ug/l	-772.67	8,999.26	4.532E-02	Pulse	0.20	3
Ca	43	45	1	0.607	ug/l	42.74	126.44	3.654E-05	Pulse	1.50	3
Ca	43	45	2	7.359	ug/l	43.08	7.11	3.580E-05	Pulse	1.50	3
Ca	44	45	1	1.137	ug/l	47.34	2,997.05	8.659E-04	Pulse	0.10	3
Ca	44	45	2	4.490	ug/l	12.68	95.00	4.783E-04	Pulse	0.20	3
Ti	47	45	1	0.430	ug/l	12.33	680.04	1.965E-04	Pulse	0.10	3
Ti	47	45	2	0.647	ug/l	19.61	65.00	3.269E-04	Pulse	0.20	3
V	51	45	2	0.440	ug/l	10.75	1,620.12	8.155E-03	Pulse	0.20	3
Cr	52	45	2	0.487	ug/l	9.38	4,775.78	2.405E-02	Pulse	0.20	3
Mn	55	45	2	0.478	ug/l	5.32	976.72	4.918E-03	Pulse	0.20	3
Fe	56	45	2	0.562	ug/l	14.18	4,202.30	2.116E-02	Pulse	0.20	3
Co	59	45	2	0.482	ug/l	7.27	2,721.95	1.370E-02	Pulse	0.20	3
Ni	60	45	2	0.491	ug/l	0.88	895.04	4.507E-03	Pulse	0.20	3
Cu	63	45	2	0.500	ug/l	3.35	1,976.82	9.953E-03	Pulse	0.20	3
Cu	65	45	2	0.475	ug/l	17.09	951.72	4.797E-03	Pulse	0.20	3
Zn	66	45	2	0.452	ug/l	17.39	395.01	1.989E-03	Pulse	0.20	3
As	75	45	2	0.479	ug/l	22.06	212.67	1.071E-03	Pulse	0.50	3
Se	78	45	2	0.390	ug/l	29.15	39.67	1.998E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.515	ug/l	8.39	53.00	1.745E-04	Pulse	1.00	3
Sr	88	45	1	0.487	ug/l	2.11	13,923.16	4.023E-03	Pulse	0.10	3
Mo	95	103	1	0.475	ug/l	7.46	2,403.61	5.782E-04	Pulse	0.10	3
Ag	107	115	1	0.525	ug/l	0.88	5,434.45	1.265E-03	Pulse	0.10	3
Cd	111	115	1	0.505	ug/l	1.48	1,114.72	2.594E-04	Pulse	0.25	3
Cd	111	115	2	0.507	ug/l	3.98	528.02	4.234E-04	Pulse	0.25	3
Sn	117	115	1	0.530	ug/l	6.97	1,213.42	2.823E-04	Pulse	0.10	3
Sn	118	115	1	0.480	ug/l	7.57	3,517.19	8.183E-04	Pulse	0.10	3
Sn	118	115	2	0.472	ug/l	12.21	1,240.10	9.952E-04	Pulse	0.10	3
Sn	119	115	1	0.478	ug/l	6.97	1,516.80	3.529E-04	Pulse	0.10	3
Sb	121	159	1	0.535	ug/l	6.25	3,970.67	6.587E-04	Pulse	0.10	3
Ba	137	159	1	0.448	ug/l	12.49	2,336.94	3.878E-04	Pulse	0.10	3
Tl	205	209	1	0.441	ug/l	5.52	7,885.71	2.381E-03	Pulse	0.10	3
Pb	208	209	1	0.489	ug/l	2.27	12,225.87	3.692E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,789,099.66	0.56	101.3	Analog	0.10	3
1	Sc	45	3,460,885.16	0.81	101.6	Analog	0.10	3
2	Sc	45	198,592.17	0.85	103.0	Pulse	0.10	3
3	Sc	45	303,601.12	0.92	101.2	Pulse	0.10	3
1	Ge	72	687,249.99	0.79	102.0	Pulse	0.10	3
2	Ge	72	115,688.60	1.23	100.1	Pulse	0.10	3
3	Ge	72	149,806.14	1.16	101.3	Pulse	0.10	3
1	Rh	103	4,155,574.00	1.01	101.3	Analog	0.10	3
2	Rh	103	2,599,281.68	0.11	101.2	Analog	0.10	3
1	In	115	4,297,036.11	0.85	101.9	Analog	0.10	3
2	In	115	1,246,854.00	1.11	102.5	Pulse	0.10	3
1	Tb	159	6,029,381.58	0.91	100.5	Analog	0.10	3
2	Tb	159	4,024,292.44	0.63	101.4	Analog	0.10	3
1	Ho	165	5,643,184.71	0.33	100.6	Analog	0.10	3
2	Ho	165	3,866,279.63	0.17	101.4	Analog	0.10	3
1	Bi	209	3,311,793.70	0.57	101.0	Analog	0.10	3
2	Bi	209	2,573,585.79	0.12	100.9	Analog	0.10	3

Quantitation Report

File Name	004CALS.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 14:38
Sample Name	STDC
Sample Type	CalStd
Comment	5
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	5.081	ug/l	1.75	15,041.42	8.308E-03	Pulse	0.25	3
B	11	6	1	5.066	ug/l	5.21	14,984.80	8.278E-03	Pulse	0.15	3
Na	23	45	1	3.184	ug/l	4.34	283,695.71	8.084E-02	Pulse	0.10	3
Na	23	45	2	3.152	ug/l	14.32	10,605.21	5.238E-02	Pulse	0.20	3
Mg	24	45	1	4.763	ug/l	1.02	43,329.58	1.235E-02	Pulse	0.10	3
Mg	24	45	2	4.986	ug/l	2.94	1,315.08	6.498E-03	Pulse	0.20	3
Al	27	45	1	4.639	ug/l	1.56	58,111.14	1.656E-02	Pulse	0.10	3
Al	27	45	2	4.339	ug/l	10.22	475.02	2.345E-03	Pulse	0.20	3
K	39	45	1	4.616	ug/l	11.95	1,237,185.43	3.525E-01	Pulse	0.10	3
K	39	45	2	4.413	ug/l	21.58	10,411.76	5.144E-02	Pulse	0.20	3
Ca	43	45	1	7.416	ug/l	1.58	350.00	9.973E-05	Pulse	1.50	3
Ca	43	45	2	37.501	ug/l	15.45	33.11	1.635E-04	Pulse	1.50	3
Ca	44	45	1	6.862	ug/l	6.53	5,964.66	1.700E-03	Pulse	0.10	3
Ca	44	45	2	24.498	ug/l	14.30	395.01	1.951E-03	Pulse	0.20	3
Ti	47	45	1	5.134	ug/l	1.86	7,582.04	2.161E-03	Pulse	0.10	3
Ti	47	45	2	5.113	ug/l	14.37	523.35	2.585E-03	Pulse	0.20	3
V	51	45	2	4.970	ug/l	4.02	15,208.90	7.514E-02	Pulse	0.20	3
Cr	52	45	2	4.987	ug/l	1.74	21,662.78	1.070E-01	Pulse	0.20	3
Mn	55	45	2	5.099	ug/l	2.29	10,503.53	5.189E-02	Pulse	0.20	3
Fe	56	45	2	4.707	ug/l	0.95	16,690.35	8.246E-02	Pulse	0.20	3
Co	59	45	2	4.955	ug/l	2.07	27,766.93	1.372E-01	Pulse	0.20	3
Ni	60	45	2	4.900	ug/l	2.04	7,410.12	3.661E-02	Pulse	0.20	3
Cu	63	45	2	4.991	ug/l	3.33	19,355.03	9.563E-02	Pulse	0.20	3
Cu	65	45	2	4.882	ug/l	4.17	9,399.51	4.645E-02	Pulse	0.20	3
Zn	66	45	2	5.091	ug/l	3.50	3,397.09	1.678E-02	Pulse	0.20	3
As	75	45	2	4.916	ug/l	3.13	2,090.15	1.033E-02	Pulse	0.50	3
Se	78	45	2	4.831	ug/l	12.74	208.67	1.032E-03	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	4.990	ug/l	5.89	505.68	1.643E-03	Pulse	1.00	3
Sr	88	45	1	5.095	ug/l	0.76	143,138.18	4.079E-02	Pulse	0.10	3
Mo	95	103	1	5.172	ug/l	5.57	25,047.02	5.963E-03	Pulse	0.10	3
Ag	107	115	1	4.989	ug/l	1.37	50,989.63	1.179E-02	Pulse	0.10	3
Cd	111	115	1	5.195	ug/l	2.46	11,389.57	2.634E-03	Pulse	0.25	3
Cd	111	115	2	5.100	ug/l	5.40	5,343.66	4.241E-03	Pulse	0.25	3
Sn	117	115	1	5.077	ug/l	2.36	10,877.51	2.516E-03	Pulse	0.10	3
Sn	118	115	1	5.109	ug/l	1.68	34,946.20	8.082E-03	Pulse	0.10	3
Sn	118	115	2	4.899	ug/l	1.75	12,178.49	9.665E-03	Pulse	0.10	3
Sn	119	115	1	5.221	ug/l	2.26	13,145.98	3.041E-03	Pulse	0.10	3
Sb	121	159	1	4.985	ug/l	3.28	34,866.25	5.708E-03	Pulse	0.10	3
Ba	137	159	1	5.227	ug/l	3.33	18,958.92	3.104E-03	Pulse	0.10	3
Tl	205	209	1	5.120	ug/l	0.95	86,999.42	2.627E-02	Pulse	0.10	3
Pb	208	209	1	5.095	ug/l	1.14	118,543.79	3.580E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,810,721.96	1.26	102.5	Analog	0.10	3
1	Sc	45	3,509,368.60	0.36	103.0	Analog	0.10	3
2	Sc	45	202,420.37	1.00	105.0	Pulse	0.10	3
3	Sc	45	307,919.19	0.59	102.6	Pulse	0.10	3
1	Ge	72	691,309.16	0.30	102.6	Pulse	0.10	3
2	Ge	72	118,686.98	1.37	102.7	Pulse	0.10	3
3	Ge	72	151,196.30	0.44	102.2	Pulse	0.10	3
1	Rh	103	4,200,006.81	0.23	102.3	Analog	0.10	3
2	Rh	103	2,636,574.65	0.56	102.6	Analog	0.10	3
1	In	115	4,323,588.19	0.42	102.5	Analog	0.10	3
2	In	115	1,259,945.01	0.77	103.6	Pulse	0.10	3
1	Tb	159	6,106,786.37	1.00	101.8	Analog	0.10	3
2	Tb	159	4,026,432.75	0.42	101.5	Analog	0.10	3
1	Ho	165	5,709,094.50	0.96	101.8	Analog	0.10	3
2	Ho	165	3,894,696.50	0.22	102.2	Analog	0.10	3
1	Bi	209	3,311,471.41	1.02	101.0	Analog	0.10	3
2	Bi	209	2,587,983.61	0.53	101.5	Analog	0.10	3

Quantitation Report

File Name	005CALS.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 14:43
Sample Name	STDD
Sample Type	CalStd
Comment	25
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	26.814	ug/l	1.66	77,077.46	4.361E-02	Pulse	0.25	3
B	11	6	1	26.743	ug/l	2.12	63,623.23	3.599E-02	Pulse	0.15	3
Na	23	45	1	27.975	ug/l	2.00	582,179.09	1.695E-01	Pulse	0.10	3
Na	23	45	2	28.035	ug/l	0.95	21,465.76	1.113E-01	Pulse	0.20	3
Mg	24	45	1	25.750	ug/l	1.03	218,188.88	6.353E-02	Pulse	0.10	3
Mg	24	45	2	24.703	ug/l	1.82	5,937.81	3.080E-02	Pulse	0.20	3
Al	27	45	1	25.087	ug/l	0.80	288,621.81	8.403E-02	Pulse	0.10	3
Al	27	45	2	25.111	ug/l	6.68	2,386.89	1.238E-02	Pulse	0.20	3
K	39	45	1	24.784	ug/l	2.55	1,533,026.85	4.463E-01	Analog	0.10	3
K	39	45	2	28.014	ug/l	6.50	16,022.92	8.313E-02	Pulse	0.20	3
Ca	43	45	1	46.380	ug/l	2.18	1,584.75	4.613E-04	Pulse	1.50	3
Ca	43	45	2	245.108	ug/l	8.77	200.89	1.043E-03	Pulse	1.50	3
Ca	44	45	1	40.509	ug/l	5.18	22,666.27	6.600E-03	Pulse	0.10	3
Ca	44	45	2	137.043	ug/l	2.82	1,973.50	1.024E-02	Pulse	0.20	3
Ti	47	45	1	26.728	ug/l	1.90	38,382.11	1.118E-02	Pulse	0.10	3
Ti	47	45	2	27.482	ug/l	9.86	2,678.60	1.390E-02	Pulse	0.20	3
V	51	45	2	27.037	ug/l	2.13	77,394.61	4.015E-01	Pulse	0.20	3
Cr	52	45	2	26.744	ug/l	1.43	97,973.86	5.083E-01	Pulse	0.20	3
Mn	55	45	2	26.640	ug/l	2.18	52,204.04	2.708E-01	Pulse	0.20	3
Fe	56	45	2	26.906	ug/l	2.98	79,153.49	4.107E-01	Pulse	0.20	3
Co	59	45	2	26.601	ug/l	2.11	141,610.51	7.347E-01	Pulse	0.20	3
Ni	60	45	2	26.797	ug/l	2.04	37,795.29	1.961E-01	Pulse	0.20	3
Cu	63	45	2	26.887	ug/l	1.20	98,972.39	5.134E-01	Pulse	0.20	3
Cu	65	45	2	26.683	ug/l	2.87	48,662.30	2.525E-01	Pulse	0.20	3
Zn	66	45	2	27.813	ug/l	1.57	17,202.60	8.923E-02	Pulse	0.20	3
As	75	45	2	27.111	ug/l	3.03	10,913.05	5.662E-02	Pulse	0.50	3
Se	78	45	2	27.316	ug/l	2.62	1,011.04	5.243E-03	Pulse	1.00	3
Se	78	45	3	26.948	ug/l	1.81	2,631.89	8.847E-03	Pulse	1.00	3
Sr	88	45	1	27.082	ug/l	1.11	742,571.13	2.162E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	27.464	ug/l	1.09	129,625.00	3.152E-02	Pulse	0.10	3
Ag	107	115	1	26.475	ug/l	0.41	266,202.22	6.247E-02	Pulse	0.10	3
Cd	111	115	1	27.161	ug/l	1.34	58,630.78	1.376E-02	Pulse	0.25	3
Cd	111	115	2	27.055	ug/l	0.78	27,438.60	2.249E-02	Pulse	0.25	3
Sn	117	115	1	27.106	ug/l	1.72	56,823.29	1.333E-02	Pulse	0.10	3
Sn	118	115	1	27.292	ug/l	0.93	182,800.18	4.290E-02	Pulse	0.10	3
Sn	118	115	2	26.930	ug/l	0.38	64,426.19	5.281E-02	Pulse	0.10	3
Sn	119	115	1	27.425	ug/l	0.19	66,568.42	1.562E-02	Pulse	0.10	3
Sb	121	159	1	25.190	ug/l	2.61	172,016.28	2.863E-02	Pulse	0.10	3
Ba	137	159	1	27.049	ug/l	2.69	93,155.80	1.551E-02	Pulse	0.10	3
Tl	205	209	1	26.156	ug/l	0.57	442,181.24	1.337E-01	Pulse	0.10	3
Pb	208	209	1	26.880	ug/l	0.47	620,749.44	1.877E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,767,746.38	0.84	100.1	Analog	0.10	3
1	Sc	45	3,434,839.84	0.90	100.8	Analog	0.10	3
2	Sc	45	192,787.37	1.23	100.0	Pulse	0.10	3
3	Sc	45	297,451.06	1.27	99.1	Pulse	0.10	3
1	Ge	72	682,166.89	1.37	101.2	Pulse	0.10	3
2	Ge	72	113,761.82	0.46	98.4	Pulse	0.10	3
3	Ge	72	145,165.67	1.16	98.2	Pulse	0.10	3
1	Rh	103	4,112,412.86	0.36	100.2	Analog	0.10	3
2	Rh	103	2,572,438.76	0.78	100.1	Analog	0.10	3
1	In	115	4,261,599.48	0.76	101.0	Analog	0.10	3
2	In	115	1,220,026.22	0.88	100.3	Pulse	0.10	3
1	Tb	159	6,007,369.70	0.49	100.2	Analog	0.10	3
2	Tb	159	3,963,223.07	0.31	99.9	Analog	0.10	3
1	Ho	165	5,629,322.21	0.38	100.3	Analog	0.10	3
2	Ho	165	3,784,696.71	0.46	99.3	Analog	0.10	3
1	Bi	209	3,307,880.05	0.19	100.9	Analog	0.10	3
2	Bi	209	2,528,627.46	0.59	99.2	Analog	0.10	3

Quantitation Report

File Name	006CALS.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 14:48
Sample Name	STDE
Sample Type	CalStd
Comment	50
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	48.619	ug/l	0.89	140,485.96	7.902E-02	Pulse	0.25	3
B	11	6	1	49.431	ug/l	1.91	115,564.52	6.500E-02	Pulse	0.15	3
Na	23	45	1	52.648	ug/l	1.52	876,083.50	2.577E-01	Pulse	0.10	3
Na	23	45	2	52.132	ug/l	2.86	31,975.74	1.684E-01	Pulse	0.20	3
Mg	24	45	1	48.078	ug/l	0.84	401,008.10	1.180E-01	Pulse	0.10	3
Mg	24	45	2	45.597	ug/l	2.18	10,735.23	5.655E-02	Pulse	0.20	3
Al	27	45	1	45.918	ug/l	1.27	519,219.72	1.528E-01	Pulse	0.10	3
Al	27	45	2	45.335	ug/l	5.38	4,202.26	2.214E-02	Pulse	0.20	3
K	39	45	1	45.724	ug/l	0.27	1,848,135.60	5.437E-01	Analog	0.10	3
K	39	45	2	43.927	ug/l	4.35	19,842.00	1.045E-01	Pulse	0.20	3
Ca	43	45	1	75.868	ug/l	3.06	2,498.41	7.350E-04	Pulse	1.50	3
Ca	43	45	2	428.333	ug/l	0.98	345.34	1.819E-03	Pulse	1.50	3
Ca	44	45	1	66.660	ug/l	4.17	35,378.59	1.041E-02	Pulse	0.10	3
Ca	44	45	2	243.500	ug/l	6.90	3,432.09	1.807E-02	Pulse	0.20	3
Ti	47	45	1	49.625	ug/l	1.35	70,477.08	2.073E-02	Pulse	0.10	3
Ti	47	45	2	49.381	ug/l	4.71	4,740.79	2.497E-02	Pulse	0.20	3
V	51	45	2	48.923	ug/l	1.01	137,680.63	7.252E-01	Pulse	0.20	3
Cr	52	45	2	48.820	ug/l	0.99	173,786.62	9.153E-01	Pulse	0.20	3
Mn	55	45	2	48.379	ug/l	0.89	93,373.37	4.918E-01	Pulse	0.20	3
Fe	56	45	2	50.120	ug/l	0.43	143,132.91	7.539E-01	Pulse	0.20	3
Co	59	45	2	48.975	ug/l	0.72	256,735.07	1.352E+00	Pulse	0.20	3
Ni	60	45	2	48.631	ug/l	1.77	67,406.02	3.551E-01	Pulse	0.20	3
Cu	63	45	2	48.722	ug/l	1.40	176,560.04	9.300E-01	Pulse	0.20	3
Cu	65	45	2	48.814	ug/l	0.23	87,639.29	4.616E-01	Pulse	0.20	3
Zn	66	45	2	47.745	ug/l	0.60	29,009.31	1.528E-01	Pulse	0.20	3
As	75	45	2	48.892	ug/l	1.43	19,373.55	1.021E-01	Pulse	0.50	3
Se	78	45	2	47.481	ug/l	1.71	1,712.43	9.020E-03	Pulse	1.00	3
Se	78	45	3	48.802	ug/l	1.42	4,721.03	1.602E-02	Pulse	1.00	3
Sr	88	45	1	48.922	ug/l	0.84	1,327,122.32	3.904E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	50.220	ug/l	1.73	238,286.59	5.761E-02	Pulse	0.10	3
Ag	107	115	1	50.260	ug/l	1.26	503,519.94	1.186E-01	Pulse	0.10	3
Cd	111	115	1	49.261	ug/l	0.72	105,963.07	2.495E-02	Pulse	0.25	3
Cd	111	115	2	48.766	ug/l	0.55	48,922.11	4.053E-02	Pulse	0.25	3
Sn	117	115	1	50.167	ug/l	2.29	104,730.37	2.466E-02	Pulse	0.10	3
Sn	118	115	1	50.377	ug/l	2.02	336,033.46	7.912E-02	Pulse	0.10	3
Sn	118	115	2	49.855	ug/l	1.23	117,920.64	9.770E-02	Pulse	0.10	3
Sn	119	115	1	50.645	ug/l	0.62	122,219.48	2.878E-02	Pulse	0.10	3
Sb	121	159	1	50.319	ug/l	0.98	346,597.26	5.714E-02	Pulse	0.10	3
Ba	137	159	1	49.272	ug/l	1.03	170,671.96	2.814E-02	Pulse	0.10	3
Tl	205	209	1	48.100	ug/l	0.77	814,121.50	2.457E-01	Pulse	0.10	3
Pb	208	209	1	48.730	ug/l	0.70	1,126,395.83	3.400E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,777,890.54	0.33	100.7	Analog	0.10	3
1	Sc	45	3,399,066.93	0.34	99.8	Analog	0.10	3
2	Sc	45	189,861.05	1.12	98.4	Pulse	0.10	3
3	Sc	45	294,753.63	0.24	98.2	Pulse	0.10	3
1	Ge	72	673,570.04	0.75	100.0	Pulse	0.10	3
2	Ge	72	111,935.80	0.61	96.8	Pulse	0.10	3
3	Ge	72	144,597.44	0.66	97.8	Pulse	0.10	3
1	Rh	103	4,136,315.25	0.46	100.8	Analog	0.10	3
2	Rh	103	2,552,270.95	0.24	99.4	Analog	0.10	3
1	In	115	4,247,218.49	0.70	100.7	Analog	0.10	3
2	In	115	1,206,947.28	0.34	99.3	Pulse	0.10	3
1	Tb	159	6,065,317.20	0.85	101.1	Analog	0.10	3
2	Tb	159	3,983,676.81	1.19	100.4	Analog	0.10	3
1	Ho	165	5,686,368.46	0.40	101.4	Analog	0.10	3
2	Ho	165	3,833,208.70	1.32	100.5	Analog	0.10	3
1	Bi	209	3,313,239.64	0.37	101.1	Analog	0.10	3
2	Bi	209	2,549,063.66	0.99	100.0	Analog	0.10	3

Quantitation Report

File Name	007CALS.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 14:53
Sample Name	STDF
Sample Type	CalStd
Comment	100
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	99.647	ug/l	1.05	273,173.42	1.619E-01	Pulse	0.25	3
B	11	6	1	98.993	ug/l	1.45	216,603.00	1.284E-01	Pulse	0.15	3
Na	23	45	1	92.740	ug/l	1.44	1,292,850.03	4.011E-01	Analog	0.10	3
Na	23	45	2	93.105	ug/l	1.86	47,111.37	2.655E-01	Pulse	0.20	3
Mg	24	45	1	95.239	ug/l	0.93	750,924.39	2.330E-01	Pulse	0.10	3
Mg	24	45	2	93.411	ug/l	1.93	20,496.08	1.155E-01	Pulse	0.20	3
Al	27	45	1	92.131	ug/l	0.91	983,797.25	3.052E-01	Pulse	0.10	3
Al	27	45	2	90.403	ug/l	1.74	7,790.28	4.390E-02	Pulse	0.20	3
K	39	45	1	90.358	ug/l	1.55	2,421,473.30	7.513E-01	Analog	0.10	3
K	39	45	2	90.354	ug/l	5.31	29,598.09	1.668E-01	Pulse	0.20	3
Ca	43	45	1	146.677	ug/l	0.74	4,487.06	1.392E-03	Pulse	1.50	3
Ca	43	45	2	797.280	ug/l	2.02	600.01	3.381E-03	Pulse	1.50	3
Ca	44	45	1	127.629	ug/l	1.04	62,167.18	1.929E-02	Pulse	0.10	3
Ca	44	45	2	489.042	ug/l	2.92	6,413.03	3.615E-02	Pulse	0.20	3
Ti	47	45	1	98.725	ug/l	1.40	132,894.18	4.123E-02	Pulse	0.10	3
Ti	47	45	2	99.683	ug/l	0.59	8,944.25	5.040E-02	Pulse	0.20	3
V	51	45	2	99.310	ug/l	0.77	260,944.72	1.470E+00	Pulse	0.20	3
Cr	52	45	2	99.621	ug/l	0.74	328,676.54	1.852E+00	Pulse	0.20	3
Mn	55	45	2	100.063	ug/l	0.70	180,491.48	1.017E+00	Pulse	0.20	3
Fe	56	45	2	101.335	ug/l	0.59	268,159.02	1.511E+00	Pulse	0.20	3
Co	59	45	2	99.608	ug/l	1.24	487,950.25	2.750E+00	Pulse	0.20	3
Ni	60	45	2	99.842	ug/l	0.99	129,190.36	7.280E-01	Pulse	0.20	3
Cu	63	45	2	99.568	ug/l	0.79	337,191.14	1.900E+00	Pulse	0.20	3
Cu	65	45	2	100.178	ug/l	0.23	168,056.65	9.470E-01	Pulse	0.20	3
Zn	66	45	2	99.793	ug/l	0.52	56,565.84	3.187E-01	Pulse	0.20	3
As	75	45	2	99.298	ug/l	1.83	36,762.02	2.072E-01	Pulse	0.50	3
Se	78	45	2	100.762	ug/l	3.15	3,371.03	1.900E-02	Pulse	1.00	3
Se	78	45	3	100.112	ug/l	0.62	9,087.55	3.285E-02	Pulse	1.00	3
Sr	88	45	1	99.109	ug/l	1.62	2,548,786.47	7.908E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	99.265	ug/l	1.41	448,746.28	1.138E-01	Pulse	0.10	3
Ag	107	115	1	98.364	ug/l	0.19	954,449.33	2.320E-01	Pulse	0.10	3
Cd	111	115	1	99.820	ug/l	1.02	207,958.33	5.055E-02	Pulse	0.25	3
Cd	111	115	2	100.098	ug/l	0.95	95,595.17	8.320E-02	Pulse	0.25	3
Sn	117	115	1	99.386	ug/l	1.13	200,873.41	4.883E-02	Pulse	0.10	3
Sn	118	115	1	99.233	ug/l	0.64	640,910.46	1.558E-01	Pulse	0.10	3
Sn	118	115	2	99.595	ug/l	0.95	224,178.51	1.951E-01	Pulse	0.10	3
Sn	119	115	1	99.060	ug/l	0.41	231,228.13	5.621E-02	Pulse	0.10	3
Sb	121	159	1	99.482	ug/l	1.97	664,303.44	1.129E-01	Pulse	0.10	3
Ba	137	159	1	98.703	ug/l	0.80	330,786.61	5.623E-02	Pulse	0.10	3
Tl	205	209	1	93.198	ug/l	0.99	1,544,005.45	4.760E-01	Analog	0.10	3
Pb	208	209	1	99.476	ug/l	0.75	2,250,229.91	6.937E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,687,359.10	0.28	95.5	Analog	0.10	3
1	Sc	45	3,223,218.18	0.84	94.6	Analog	0.10	3
2	Sc	45	177,463.90	1.33	92.0	Pulse	0.10	3
3	Sc	45	276,620.29	0.55	92.2	Pulse	0.10	3
1	Ge	72	637,982.40	0.65	94.7	Pulse	0.10	3
2	Ge	72	106,976.51	2.35	92.5	Pulse	0.10	3
3	Ge	72	138,545.22	1.01	93.7	Pulse	0.10	3
1	Rh	103	3,941,886.19	0.07	96.1	Analog	0.10	3
2	Rh	103	2,440,269.39	0.34	95.0	Analog	0.10	3
1	In	115	4,113,808.55	0.74	97.5	Analog	0.10	3
2	In	115	1,149,028.91	0.45	94.5	Pulse	0.10	3
1	Tb	159	5,882,423.66	0.58	98.1	Analog	0.10	3
2	Tb	159	3,858,650.15	0.25	97.3	Analog	0.10	3
1	Ho	165	5,527,187.00	0.87	98.5	Analog	0.10	3
2	Ho	165	3,699,903.90	0.53	97.1	Analog	0.10	3
1	Bi	209	3,243,794.95	0.35	98.9	Analog	0.10	3
2	Bi	209	2,482,624.03	0.21	97.4	Analog	0.10	3

Quantitation Report

File Name	008CALS.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 14:59
Sample Name	STDG
Sample Type	CalStd
Comment	500
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.283	ug/l	7.71	885.37	5.156E-04	Pulse	0.25	3
B	11	6	1	1.986	ug/l	8.02	7,452.93	4.340E-03	Pulse	0.15	3
Na	23	45	1	504.693	ug/l	0.93	6,168,516.99	1.874E+00	Analog	0.10	3
Na	23	45	2	501.688	ug/l	1.24	232,486.94	1.234E+00	Pulse	0.20	3
Mg	24	45	1	505.603	ug/l	0.78	4,059,917.13	1.234E+00	Analog	0.10	3
Mg	24	45	2	502.753	ug/l	0.67	116,846.21	6.200E-01	Pulse	0.20	3
Al	27	45	1	495.034	ug/l	0.49	5,379,170.13	1.635E+00	Analog	0.10	3
Al	27	45	2	500.183	ug/l	1.97	45,568.40	2.418E-01	Pulse	0.20	3
K	39	45	1	497.292	ug/l	0.05	8,700,020.70	2.644E+00	Analog	0.10	3
K	39	45	2	503.728	ug/l	0.79	136,058.71	7.219E-01	Pulse	0.20	3
Ca	43	45	1	505.043	ug/l	1.32	15,526.51	4.718E-03	Pulse	1.50	3
Ca	43	45	2	503.904	ug/l	1.90	403.12	2.139E-03	Pulse	1.50	3
Ca	44	45	1	522.385	ug/l	0.71	252,666.38	7.678E-02	Pulse	0.10	3
Ca	44	45	2	493.558	ug/l	3.60	6,874.87	3.648E-02	Pulse	0.20	3
Ti	47	45	1	0.250	ug/l	43.77	400.02	1.217E-04	Pulse	0.10	3
Ti	47	45	2	0.192	ug/l	30.91	18.33	9.717E-05	Pulse	0.20	3
V	51	45	2	0.220	ug/l	12.68	923.38	4.898E-03	Pulse	0.20	3
Cr	52	45	2	0.280	ug/l	7.40	3,815.53	2.024E-02	Pulse	0.20	3
Mn	55	45	2	0.232	ug/l	11.68	456.68	2.424E-03	Pulse	0.20	3
Fe	56	45	2	504.412	ug/l	0.13	1,408,082.90	7.471E+00	Analog	0.20	3
Co	59	45	2	0.197	ug/l	5.58	1,100.05	5.836E-03	Pulse	0.20	3
Ni	60	45	2	0.236	ug/l	27.30	498.35	2.645E-03	Pulse	0.20	3
Cu	63	45	2	0.234	ug/l	5.58	918.38	4.872E-03	Pulse	0.20	3
Cu	65	45	2	0.236	ug/l	21.85	478.35	2.540E-03	Pulse	0.20	3
Zn	66	45	2	0.504	ug/l	32.72	406.68	2.156E-03	Pulse	0.20	3
As	75	45	2	0.205	ug/l	9.20	94.00	4.989E-04	Pulse	0.50	3
Se	78	45	2	-0.016	ug/l	-1584.94	23.33	1.236E-04	Pulse	1.00	3
Se	78	45	3	0.198	ug/l	23.09	21.00	7.045E-05	Pulse	1.00	3
Sr	88	45	1	0.342	ug/l	10.13	9,436.56	2.869E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.414	ug/l	9.50	2,036.88	5.077E-04	Pulse	0.10	3
Ag	107	115	1	0.327	ug/l	8.16	3,327.18	7.982E-04	Pulse	0.10	3
Cd	111	115	1	0.318	ug/l	17.95	685.36	1.645E-04	Pulse	0.25	3
Cd	111	115	2	0.231	ug/l	19.96	236.01	1.940E-04	Pulse	0.25	3
Sn	117	115	1	0.479	ug/l	5.19	1,073.41	2.574E-04	Pulse	0.10	3
Sn	118	115	1	0.473	ug/l	4.58	3,367.18	8.077E-04	Pulse	0.10	3
Sn	118	115	2	0.458	ug/l	10.21	1,176.76	9.686E-04	Pulse	0.10	3
Sn	119	115	1	0.369	ug/l	9.40	1,213.43	2.911E-04	Pulse	0.10	3
Sb	121	159	1	1.514	ug/l	3.65	10,593.94	1.770E-03	Pulse	0.10	3
Ba	137	159	1	0.292	ug/l	15.17	1,790.19	2.992E-04	Pulse	0.10	3
Tl	205	209	1	0.326	ug/l	7.86	5,854.72	1.796E-03	Pulse	0.10	3
Pb	208	209	1	0.288	ug/l	6.48	7,457.71	2.288E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,717,651.11	0.68	97.2	Analog	0.10	3
1	Sc	45	3,290,732.87	0.64	96.6	Analog	0.10	3
2	Sc	45	188,478.88	0.58	97.7	Pulse	0.10	3
3	Sc	45	298,349.59	0.62	99.4	Pulse	0.10	3
1	Ge	72	657,130.36	0.67	97.5	Pulse	0.10	3
2	Ge	72	113,786.70	0.55	98.4	Pulse	0.10	3
3	Ge	72	144,748.13	0.60	97.9	Pulse	0.10	3
1	Rh	103	4,011,817.65	0.37	97.8	Analog	0.10	3
2	Rh	103	2,531,338.55	0.16	98.5	Analog	0.10	3
1	In	115	4,169,423.94	0.65	98.9	Analog	0.10	3
2	In	115	1,214,966.14	1.03	99.9	Pulse	0.10	3
1	Tb	159	5,983,967.62	0.53	99.8	Analog	0.10	3
2	Tb	159	3,966,249.00	0.21	100.0	Analog	0.10	3
1	Ho	165	5,592,101.58	0.81	99.7	Analog	0.10	3
2	Ho	165	3,805,499.32	0.26	99.8	Analog	0.10	3
1	Bi	209	3,259,956.41	0.74	99.4	Analog	0.10	3
2	Bi	209	2,523,058.40	0.43	99.0	Analog	0.10	3

Quantitation Report

File Name	009CALS.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 15:04
Sample Name	STDH
Sample Type	CalStd
Comment	1000
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.078	ug/l	15.20	324.01	1.835E-04	Pulse	0.25	3
B	11	6	1	1.238	ug/l	11.38	5,976.74	3.384E-03	Pulse	0.15	3
Na	23	45	1	1136.369	ug/l	0.44	14,149,150.62	4.134E+00	Analog	0.10	3
Na	23	45	2	1147.867	ug/l	1.58	536,169.59	2.764E+00	Pulse	0.20	3
Mg	24	45	1	1137.227	ug/l	0.78	9,495,311.11	2.774E+00	Analog	0.10	3
Mg	24	45	2	1146.584	ug/l	1.26	274,136.50	1.413E+00	Pulse	0.20	3
Al	27	45	1	1117.629	ug/l	0.78	12,626,599.39	3.689E+00	Analog	0.10	3
Al	27	45	2	1141.190	ug/l	1.44	106,925.34	5.513E-01	Pulse	0.20	3
K	39	45	1	1130.271	ug/l	0.38	19,125,707.63	5.588E+00	Analog	0.10	3
K	39	45	2	1149.964	ug/l	1.51	308,301.33	1.590E+00	Pulse	0.20	3
Ca	43	45	1	1142.649	ug/l	1.71	36,403.49	1.064E-02	Pulse	1.50	3
Ca	43	45	2	1108.888	ug/l	1.28	911.80	4.701E-03	Pulse	1.50	3
Ca	44	45	1	1185.336	ug/l	0.50	593,313.90	1.733E-01	Pulse	0.10	3
Ca	44	45	2	1147.326	ug/l	3.09	16,411.72	8.460E-02	Pulse	0.20	3
Ti	47	45	1	0.127	ug/l	44.63	240.01	7.008E-05	Pulse	0.10	3
Ti	47	45	2	0.153	ug/l	0.96	15.00	7.734E-05	Pulse	0.20	3
V	51	45	2	0.074	ug/l	18.48	531.69	2.741E-03	Pulse	0.20	3
Cr	52	45	2	0.234	ug/l	18.08	3,758.83	1.938E-02	Pulse	0.20	3
Mn	55	45	2	0.109	ug/l	18.66	226.68	1.168E-03	Pulse	0.20	3
Fe	56	45	2	1137.005	ug/l	1.13	3,263,070.68	1.682E+01	Analog	0.20	3
Co	59	45	2	0.070	ug/l	9.10	455.02	2.347E-03	Pulse	0.20	3
Ni	60	45	2	0.060	ug/l	35.82	265.01	1.365E-03	Pulse	0.20	3
Cu	63	45	2	0.109	ug/l	5.19	481.68	2.484E-03	Pulse	0.20	3
Cu	65	45	2	0.117	ug/l	8.57	275.01	1.418E-03	Pulse	0.20	3
Zn	66	45	2	0.542	ug/l	4.06	441.68	2.277E-03	Pulse	0.20	3
As	75	45	2	0.127	ug/l	44.28	65.33	3.375E-04	Pulse	0.50	3
Se	78	45	2	0.122	ug/l	79.44	29.00	1.495E-04	Pulse	1.00	3
Se	78	45	3	0.121	ug/l	31.91	13.67	4.525E-05	Pulse	1.00	3
Sr	88	45	1	0.124	ug/l	10.14	3,863.96	1.129E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.134	ug/l	24.24	760.05	1.869E-04	Pulse	0.10	3
Ag	107	115	1	0.282	ug/l	18.19	2,913.74	6.909E-04	Pulse	0.10	3
Cd	111	115	1	0.101	ug/l	22.60	230.67	5.472E-05	Pulse	0.25	3
Cd	111	115	2	0.092	ug/l	11.19	96.00	7.826E-05	Pulse	0.25	3
Sn	117	115	1	0.164	ug/l	24.65	433.36	1.028E-04	Pulse	0.10	3
Sn	118	115	1	0.170	ug/l	10.02	1,396.79	3.313E-04	Pulse	0.10	3
Sn	118	115	2	0.166	ug/l	26.71	486.69	3.968E-04	Pulse	0.10	3
Sn	119	115	1	0.123	ug/l	69.64	640.04	1.519E-04	Pulse	0.10	3
Sb	121	159	1	0.444	ug/l	4.74	3,330.49	5.563E-04	Pulse	0.10	3
Ba	137	159	1	0.078	ug/l	27.61	1,063.41	1.776E-04	Pulse	0.10	3
Tl	205	209	1	0.097	ug/l	5.20	2,050.22	6.265E-04	Pulse	0.10	3
Pb	208	209	1	0.093	ug/l	11.98	3,040.26	9.295E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,765,879.94	0.42	100.0	Analog	0.10	3
1	Sc	45	3,422,912.97	0.65	100.5	Analog	0.10	3
2	Sc	45	193,966.04	0.95	100.6	Pulse	0.10	3
3	Sc	45	302,160.33	0.43	100.7	Pulse	0.10	3
1	Ge	72	678,664.50	0.65	100.7	Pulse	0.10	3
2	Ge	72	114,375.53	0.31	98.9	Pulse	0.10	3
3	Ge	72	145,925.57	0.48	98.7	Pulse	0.10	3
1	Rh	103	4,070,000.25	0.79	99.2	Analog	0.10	3
2	Rh	103	2,560,197.10	0.41	99.7	Analog	0.10	3
1	In	115	4,216,977.15	0.28	100.0	Analog	0.10	3
2	In	115	1,226,488.45	0.53	100.9	Pulse	0.10	3
1	Tb	159	5,986,720.12	0.15	99.8	Analog	0.10	3
2	Tb	159	3,982,810.46	0.16	100.4	Analog	0.10	3
1	Ho	165	5,611,945.34	0.60	100.0	Analog	0.10	3
2	Ho	165	3,835,432.34	0.24	100.6	Analog	0.10	3
1	Bi	209	3,272,287.55	0.91	99.8	Analog	0.10	3
2	Bi	209	2,530,874.81	0.76	99.3	Analog	0.10	3

Quantitation Report

File Name	010CALS.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 15:09
Sample Name	STDI
Sample Type	CalStd
Comment	5000
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.075	ug/l	15.18	324.01	1.781E-04	Pulse	0.25	3
B	11	6	1	1.400	ug/l	8.90	6,532.54	3.590E-03	Pulse	0.15	3
Na	23	45	1	5079.045	ug/l	0.68	63,439,337.39	1.823E+01	Analog	0.10	3
Na	23	45	2	5009.330	ug/l	0.38	2,318,410.39	1.191E+01	Analog	0.20	3
Mg	24	45	1	5063.787	ug/l	0.63	42,965,234.36	1.235E+01	Analog	0.10	3
Mg	24	45	2	4995.295	ug/l	0.45	1,198,138.99	6.157E+00	Pulse	0.20	3
Al	27	45	1	4998.727	ug/l	0.29	57,385,572.48	1.649E+01	Analog	0.10	3
Al	27	45	2	4982.799	ug/l	0.37	468,285.24	2.406E+00	Pulse	0.20	3
K	39	45	1	5009.216	ug/l	0.14	82,200,180.44	2.363E+01	Analog	0.10	3
K	39	45	2	4944.528	ug/l	0.70	1,300,864.49	6.685E+00	Analog	0.20	3
Ca	43	45	1	5035.083	ug/l	0.25	162,678.56	4.676E-02	Pulse	1.50	3
Ca	43	45	2	5046.615	ug/l	1.54	4,160.30	2.138E-02	Pulse	1.50	3
Ca	44	45	1	5034.616	ug/l	0.72	2,553,473.45	7.339E-01	Analog	0.10	3
Ca	44	45	2	5025.358	ug/l	1.60	72,013.48	3.701E-01	Pulse	0.20	3
Ti	47	45	1	0.296	ug/l	5.69	490.03	1.408E-04	Pulse	0.10	3
Ti	47	45	2	0.220	ug/l	26.58	21.67	1.113E-04	Pulse	0.20	3
V	51	45	2	0.285	ug/l	15.20	1,140.06	5.860E-03	Pulse	0.20	3
Cr	52	45	2	0.265	ug/l	4.89	3,883.89	1.996E-02	Pulse	0.20	3
Mn	55	45	2	0.095	ug/l	36.75	200.00	1.028E-03	Pulse	0.20	3
Fe	56	45	2	4998.704	ug/l	0.95	14,385,064.79	7.392E+01	Analog	0.20	3
Co	59	45	2	0.057	ug/l	15.53	383.35	1.971E-03	Pulse	0.20	3
Ni	60	45	2	0.083	ug/l	10.29	298.34	1.533E-03	Pulse	0.20	3
Cu	63	45	2	0.097	ug/l	21.46	440.02	2.260E-03	Pulse	0.20	3
Cu	65	45	2	0.081	ug/l	13.70	210.01	1.079E-03	Pulse	0.20	3
Zn	66	45	2	0.578	ug/l	19.29	465.02	2.390E-03	Pulse	0.20	3
As	75	45	2	0.249	ug/l	7.61	115.33	5.925E-04	Pulse	0.50	3
Se	78	45	2	0.449	ug/l	59.41	41.00	2.107E-04	Pulse	1.00	3
Se	78	45	3	0.324	ug/l	13.63	34.00	1.120E-04	Pulse	1.00	3
Sr	88	45	1	0.135	ug/l	2.66	4,234.05	1.217E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.367	ug/l	6.73	1,846.85	4.542E-04	Pulse	0.10	3
Ag	107	115	1	0.271	ug/l	8.98	2,813.71	6.665E-04	Pulse	0.10	3
Cd	111	115	1	0.081	ug/l	3.05	188.00	4.451E-05	Pulse	0.25	3
Cd	111	115	2	0.075	ug/l	24.91	78.67	6.480E-05	Pulse	0.25	3
Sn	117	115	1	0.265	ug/l	10.41	643.38	1.523E-04	Pulse	0.10	3
Sn	118	115	1	0.236	ug/l	10.81	1,836.85	4.351E-04	Pulse	0.10	3
Sn	118	115	2	0.247	ug/l	4.79	673.38	5.546E-04	Pulse	0.10	3
Sn	119	115	1	0.174	ug/l	26.60	763.39	1.806E-04	Pulse	0.10	3
Sb	121	159	1	0.417	ug/l	3.27	3,177.13	5.255E-04	Pulse	0.10	3
Ba	137	159	1	0.120	ug/l	23.03	1,220.10	2.017E-04	Pulse	0.10	3
Tl	205	209	1	0.035	ug/l	3.81	1,013.41	3.108E-04	Pulse	0.10	3
Pb	208	209	1	0.047	ug/l	12.16	1,990.14	6.103E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,819,414.46	0.37	103.0	Analog	0.10	3
1	Sc	45	3,479,068.07	0.59	102.1	Analog	0.10	3
2	Sc	45	194,608.08	0.62	100.9	Pulse	0.10	3
3	Sc	45	303,429.05	0.75	101.1	Pulse	0.10	3
1	Ge	72	681,484.88	0.48	101.1	Pulse	0.10	3
2	Ge	72	116,293.35	1.68	100.6	Pulse	0.10	3
3	Ge	72	144,061.99	1.15	97.4	Pulse	0.10	3
1	Rh	103	4,065,005.15	0.97	99.1	Analog	0.10	3
2	Rh	103	2,527,872.30	0.29	98.4	Analog	0.10	3
1	In	115	4,224,242.24	1.02	100.2	Analog	0.10	3
2	In	115	1,214,047.40	0.14	99.8	Pulse	0.10	3
1	Tb	159	6,046,767.41	0.67	100.8	Analog	0.10	3
2	Tb	159	4,031,048.27	0.53	101.6	Analog	0.10	3
1	Ho	165	5,703,962.62	1.47	101.7	Analog	0.10	3
2	Ho	165	3,895,982.54	0.61	102.2	Analog	0.10	3
1	Bi	209	3,261,279.33	1.47	99.5	Analog	0.10	3
2	Bi	209	2,504,002.00	1.01	98.2	Analog	0.10	3

Quantitation Report

File Name	011CALS.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 15:14
Sample Name	STDJ
Sample Type	CalStd
Comment	10000
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.007	ug/l	-105.46	74.67	4.421E-05	Pulse	0.25	3
B	11	6	1	1.431	ug/l	7.36	6,147.94	3.631E-03	Pulse	0.15	3
Na	23	45	1	9806.901	ug/l	1.30	120,697,191.54	3.514E+01	Analog	0.10	3
Na	23	45	2	9980.515	ug/l	1.02	4,602,898.99	2.369E+01	Analog	0.20	3
Mg	24	45	1	9954.159	ug/l	1.17	83,370,315.42	2.428E+01	Analog	0.10	3
Mg	24	45	2	9887.524	ug/l	1.39	2,367,513.40	1.219E+01	Analog	0.20	3
Al	27	45	1	9914.991	ug/l	1.31	112,358,261.66	3.272E+01	Analog	0.10	3
Al	27	45	2	9994.591	ug/l	1.28	937,693.53	4.826E+00	Pulse	0.20	3
K	39	45	1	9982.619	ug/l	0.81	160,576,667.61	4.676E+01	Analog	0.10	3
K	39	45	2	9936.297	ug/l	0.71	2,601,019.03	1.339E+01	Analog	0.20	3
Ca	43	45	1	9967.291	ug/l	0.60	317,792.27	9.253E-02	Pulse	1.50	3
Ca	43	45	2	9956.177	ug/l	2.32	8,192.90	4.217E-02	Pulse	1.50	3
Ca	44	45	1	9962.640	ug/l	1.20	4,985,579.82	1.452E+00	Analog	0.10	3
Ca	44	45	2	9967.763	ug/l	2.31	142,571.72	7.339E-01	Pulse	0.20	3
Ti	47	45	1	0.038	ug/l	68.59	113.34	3.296E-05	Pulse	0.10	3
Ti	47	45	2	0.000	ug/l	---	0.00		Pulse	0.20	3
V	51	45	2	0.019	ug/l	117.38	373.35	1.923E-03	Pulse	0.20	3
Cr	52	45	2	0.108	ug/l	34.74	3,313.74	1.706E-02	Pulse	0.20	3
Mn	55	45	2	0.104	ug/l	20.97	216.67	1.114E-03	Pulse	0.20	3
Fe	56	45	2	9875.194	ug/l	0.98	28,370,234.58	1.460E+02	Analog	0.20	3
Co	59	45	2	0.082	ug/l	17.24	520.02	2.677E-03	Pulse	0.20	3
Ni	60	45	2	0.048	ug/l	33.83	248.34	1.278E-03	Pulse	0.20	3
Cu	63	45	2	0.044	ug/l	33.81	241.67	1.245E-03	Pulse	0.20	3
Cu	65	45	2	0.061	ug/l	34.64	171.67	8.840E-04	Pulse	0.20	3
Zn	66	45	2	0.506	ug/l	15.94	420.01	2.161E-03	Pulse	0.20	3
As	75	45	2	0.028	ug/l	69.22	25.33	1.301E-04	Pulse	0.50	3
Se	78	45	2	0.021	ug/l	712.05	25.33	1.305E-04	Pulse	1.00	3
Se	78	45	3	0.043	ug/l	82.97	6.00	1.982E-05	Pulse	1.00	3
Sr	88	45	1	0.190	ug/l	4.50	5,681.23	1.654E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.043	ug/l	2.33	330.02	8.307E-05	Pulse	0.10	3
Ag	107	115	1	0.086	ug/l	15.98	970.07	2.304E-04	Pulse	0.10	3
Cd	111	115	1	0.142	ug/l	6.99	317.34	7.536E-05	Pulse	0.25	3
Cd	111	115	2	0.115	ug/l	7.00	117.33	9.776E-05	Pulse	0.25	3
Sn	117	115	1	0.069	ug/l	9.84	236.68	5.621E-05	Pulse	0.10	3
Sn	118	115	1	0.061	ug/l	17.04	676.71	1.606E-04	Pulse	0.10	3
Sn	118	115	2	0.088	ug/l	5.91	293.35	2.446E-04	Pulse	0.10	3
Sn	119	115	1	-0.040	ug/l	-7.64	250.01	5.937E-05	Pulse	0.10	3
Sb	121	159	1	0.134	ug/l	11.46	1,266.78	2.045E-04	Pulse	0.10	3
Ba	137	159	1	0.149	ug/l	3.13	1,350.12	2.180E-04	Pulse	0.10	3
Tl	205	209	1	0.025	ug/l	26.01	836.73	2.550E-04	Pulse	0.10	3
Pb	208	209	1	0.067	ug/l	4.15	2,463.50	7.509E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,692,653.94	1.20	95.8	Analog	0.10	3
1	Sc	45	3,434,279.74	0.73	100.8	Analog	0.10	3
2	Sc	45	194,301.55	1.11	100.7	Pulse	0.10	3
3	Sc	45	301,992.09	0.69	100.7	Pulse	0.10	3
1	Ge	72	670,166.16	0.93	99.5	Pulse	0.10	3
2	Ge	72	114,933.85	0.36	99.4	Pulse	0.10	3
3	Ge	72	145,031.36	2.00	98.1	Pulse	0.10	3
1	Rh	103	3,972,295.88	1.65	96.8	Analog	0.10	3
2	Rh	103	2,493,468.71	1.64	97.1	Analog	0.10	3
1	In	115	4,209,892.65	1.09	99.8	Analog	0.10	3
2	In	115	1,199,246.24	1.73	98.6	Pulse	0.10	3
1	Tb	159	6,192,283.66	1.02	103.2	Analog	0.10	3
2	Tb	159	4,020,343.17	1.15	101.3	Analog	0.10	3
1	Ho	165	5,814,406.37	1.56	103.6	Analog	0.10	3
2	Ho	165	3,883,510.78	1.13	101.9	Analog	0.10	3
1	Bi	209	3,281,355.78	1.05	100.1	Analog	0.10	3
2	Bi	209	2,478,291.11	0.96	97.2	Analog	0.10	3

Quantitation Report

File Name	012SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 15:19
Sample Name	ICVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	61.718	ug/l	1.05	182,637.46	1.003E-01	Pulse	0.25	3
B	11	6	1	56.674	ug/l	0.70	135,230.67	7.426E-02	Pulse	0.15	3
Na	23	45	1	5804.597	ug/l	0.76	70,930,275.61	2.083E+01	Analog	0.10	3
Na	23	45	2	5647.691	ug/l	0.75	2,544,335.64	1.343E+01	Analog	0.20	3
Mg	24	45	1	5791.441	ug/l	0.34	48,095,725.95	1.412E+01	Analog	0.10	3
Mg	24	45	2	5585.352	ug/l	0.85	1,304,570.40	6.884E+00	Analog	0.20	3
Al	27	45	1	5723.190	ug/l	0.40	64,308,272.38	1.888E+01	Analog	0.10	3
Al	27	45	2	5654.803	ug/l	0.34	517,535.54	2.731E+00	Pulse	0.20	3
K	39	45	1	5682.553	ug/l	0.24	91,120,281.98	2.676E+01	Analog	0.10	3
K	39	45	2	5543.632	ug/l	1.36	1,419,209.98	7.489E+00	Analog	0.20	3
Ca	43	45	1	5687.314	ug/l	0.54	179,841.85	5.281E-02	Pulse	1.50	3
Ca	43	45	2	6061.253	ug/l	2.90	4,865.38	2.568E-02	Pulse	1.50	3
Ca	44	45	1	5714.820	ug/l	0.30	2,836,626.94	8.330E-01	Analog	0.10	3
Ca	44	45	2	5811.897	ug/l	1.62	81,099.97	4.280E-01	Pulse	0.20	3
Ti	47	45	1	56.716	ug/l	0.51	80,686.34	2.369E-02	Pulse	0.10	3
Ti	47	45	2	55.909	ug/l	0.82	5,357.64	2.827E-02	Pulse	0.20	3
V	51	45	2	61.874	ug/l	0.94	173,733.82	9.167E-01	Pulse	0.20	3
Cr	52	45	2	61.132	ug/l	1.06	216,497.59	1.142E+00	Pulse	0.20	3
Mn	55	45	2	62.378	ug/l	0.25	120,169.34	6.341E-01	Pulse	0.20	3
Fe	56	45	2	5614.447	ug/l	0.75	15,734,200.19	8.302E+01	Analog	0.20	3
Co	59	45	2	61.052	ug/l	0.97	319,442.66	1.686E+00	Pulse	0.20	3
Ni	60	45	2	61.149	ug/l	1.00	84,565.37	4.462E-01	Pulse	0.20	3
Cu	63	45	2	61.499	ug/l	1.52	222,441.64	1.174E+00	Pulse	0.20	3
Cu	65	45	2	62.002	ug/l	0.42	111,099.94	5.862E-01	Pulse	0.20	3
Zn	66	45	2	64.242	ug/l	2.35	38,921.55	2.054E-01	Pulse	0.20	3
As	75	45	2	61.839	ug/l	1.47	24,457.01	1.291E-01	Pulse	0.50	3
Se	78	45	2	62.835	ug/l	2.77	2,254.50	1.190E-02	Pulse	1.00	3
Se	78	45	3	62.185	ug/l	1.26	6,054.81	2.041E-02	Pulse	1.00	3
Sr	88	45	1	55.816	ug/l	0.85	1,516,853.15	4.454E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	57.279	ug/l	0.74	262,787.38	6.570E-02	Pulse	0.10	3
Ag	107	115	1	61.923	ug/l	0.14	611,001.27	1.461E-01	Pulse	0.10	3
Cd	111	115	1	63.020	ug/l	1.10	133,509.22	3.192E-02	Pulse	0.25	3
Cd	111	115	2	63.246	ug/l	0.92	62,356.80	5.257E-02	Pulse	0.25	3
Sn	117	115	1	59.087	ug/l	1.51	121,479.02	2.904E-02	Pulse	0.10	3
Sn	118	115	1	59.131	ug/l	1.36	388,463.91	9.286E-02	Pulse	0.10	3
Sn	118	115	2	58.640	ug/l	0.61	136,303.64	1.149E-01	Pulse	0.10	3
Sn	119	115	1	58.837	ug/l	1.02	139,793.49	3.342E-02	Pulse	0.10	3
Sb	121	159	1	73.103	ug/l	1.51	504,399.73	8.299E-02	Pulse	0.10	3
Ba	137	159	1	64.120	ug/l	0.35	222,298.48	3.658E-02	Pulse	0.10	3
Tl	205	209	1	64.665	ug/l	1.33	1,065,357.09	3.303E-01	Pulse	0.10	3
Pb	208	209	1	64.154	ug/l	0.62	1,443,459.14	4.475E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,820,941.10	0.94	103.1	Analog	0.10	3
1	Sc	45	3,405,262.66	0.51	99.9	Analog	0.10	3
2	Sc	45	189,521.03	0.98	98.3	Pulse	0.10	3
3	Sc	45	296,689.34	0.31	98.9	Pulse	0.10	3
1	Ge	72	663,580.69	0.73	98.5	Pulse	0.10	3
2	Ge	72	110,768.36	0.75	95.8	Pulse	0.10	3
3	Ge	72	142,263.73	0.80	96.2	Pulse	0.10	3
1	Rh	103	3,999,436.19	0.66	97.5	Analog	0.10	3
2	Rh	103	2,465,477.20	0.06	96.0	Analog	0.10	3
1	In	115	4,183,038.74	0.32	99.2	Analog	0.10	3
2	In	115	1,186,223.68	0.54	97.5	Pulse	0.10	3
1	Tb	159	6,077,334.91	0.31	101.3	Analog	0.10	3
2	Tb	159	3,988,538.17	1.09	100.5	Analog	0.10	3
1	Ho	165	5,685,898.87	0.48	101.4	Analog	0.10	3
2	Ho	165	3,839,949.84	0.46	100.7	Analog	0.10	3
1	Bi	209	3,225,739.64	1.03	98.4	Analog	0.10	3
2	Bi	209	2,483,860.49	0.78	97.4	Analog	0.10	3

Quantitation Report

File Name	013SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 15:24
Sample Name	ICB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.166	ug/l	10.97	568.02	3.256E-04	Pulse	0.25	3
B	11	6	1	0.939	ug/l	8.98	5,236.49	3.002E-03	Pulse	0.15	3
Na	23	45	1	25.770	ug/l	7.72	531,214.68	1.616E-01	Pulse	0.10	3
Na	23	45	2	16.726	ug/l	12.00	15,851.13	8.455E-02	Pulse	0.20	3
Mg	24	45	1	27.509	ug/l	8.42	222,885.86	6.782E-02	Pulse	0.10	3
Mg	24	45	2	18.025	ug/l	3.77	4,232.29	2.257E-02	Pulse	0.20	3
Al	27	45	1	26.959	ug/l	6.42	296,471.10	9.020E-02	Pulse	0.10	3
Al	27	45	2	17.317	ug/l	7.66	1,615.11	8.612E-03	Pulse	0.20	3
K	39	45	1	23.900	ug/l	8.07	1,453,614.46	4.422E-01	Analog	0.10	3
K	39	45	2	17.455	ug/l	12.25	12,926.88	6.895E-02	Pulse	0.20	3
Ca	43	45	1	25.798	ug/l	8.44	888.47	2.703E-04	Pulse	1.50	3
Ca	43	45	2	20.158	ug/l	7.93	16.89	9.002E-05	Pulse	1.50	3
Ca	44	45	1	26.320	ug/l	6.41	14,900.75	4.534E-03	Pulse	0.10	3
Ca	44	45	2	16.114	ug/l	16.50	250.01	1.334E-03	Pulse	0.20	3
Ti	47	45	1	0.156	ug/l	4.14	270.01	8.213E-05	Pulse	0.10	3
Ti	47	45	2	0.123	ug/l	99.07	11.67	6.226E-05	Pulse	0.20	3
V	51	45	2	0.111	ug/l	17.75	615.02	3.280E-03	Pulse	0.20	3
Cr	52	45	2	0.127	ug/l	22.12	3,263.72	1.741E-02	Pulse	0.20	3
Mn	55	45	2	0.149	ug/l	20.92	295.01	1.576E-03	Pulse	0.20	3
Fe	56	45	2	18.855	ug/l	7.27	54,676.83	2.916E-01	Pulse	0.20	3
Co	59	45	2	0.114	ug/l	8.31	663.36	3.538E-03	Pulse	0.20	3
Ni	60	45	2	0.115	ug/l	25.15	331.68	1.769E-03	Pulse	0.20	3
Cu	63	45	2	0.116	ug/l	4.26	493.35	2.631E-03	Pulse	0.20	3
Cu	65	45	2	0.117	ug/l	27.67	265.01	1.413E-03	Pulse	0.20	3
Zn	66	45	2	0.090	ug/l	2.55	156.67	8.354E-04	Pulse	0.20	3
As	75	45	2	0.108	ug/l	36.61	56.00	2.982E-04	Pulse	0.50	3
Se	78	45	2	0.132	ug/l	181.64	28.33	1.514E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.152	ug/l	39.07	16.33	5.538E-05	Pulse	1.00	3
Sr	88	45	1	0.181	ug/l	7.99	5,207.74	1.584E-03	Pulse	0.10	3
Mo	95	103	1	0.230	ug/l	9.91	1,190.09	2.972E-04	Pulse	0.10	3
Ag	107	115	1	0.190	ug/l	10.93	1,983.55	4.739E-04	Pulse	0.10	3
Cd	111	115	1	0.184	ug/l	15.83	405.34	9.689E-05	Pulse	0.25	3
Cd	111	115	2	0.108	ug/l	28.66	110.67	9.181E-05	Pulse	0.25	3
Sn	117	115	1	0.252	ug/l	11.83	610.04	1.458E-04	Pulse	0.10	3
Sn	118	115	1	0.271	ug/l	21.15	2,053.56	4.908E-04	Pulse	0.10	3
Sn	118	115	2	0.193	ug/l	15.28	540.03	4.490E-04	Pulse	0.10	3
Sn	119	115	1	0.205	ug/l	9.93	830.05	1.983E-04	Pulse	0.10	3
Sb	121	159	1	0.252	ug/l	5.34	1,990.21	3.376E-04	Pulse	0.10	3
Ba	137	159	1	0.132	ug/l	33.25	1,230.10	2.086E-04	Pulse	0.10	3
Tl	205	209	1	0.293	ug/l	7.90	5,281.19	1.628E-03	Pulse	0.10	3
Pb	208	209	1	0.179	ug/l	5.44	4,950.53	1.526E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,744,618.76	0.30	98.8	Analog	0.10	3
1	Sc	45	3,287,276.51	0.43	96.5	Analog	0.10	3
2	Sc	45	187,532.26	1.25	97.2	Pulse	0.10	3
3	Sc	45	294,813.17	0.27	98.3	Pulse	0.10	3
1	Ge	72	655,976.67	0.90	97.4	Pulse	0.10	3
2	Ge	72	112,900.06	0.35	97.7	Pulse	0.10	3
3	Ge	72	142,317.82	0.97	96.2	Pulse	0.10	3
1	Rh	103	4,003,564.00	0.50	97.6	Analog	0.10	3
2	Rh	103	2,511,924.29	1.13	97.8	Analog	0.10	3
1	In	115	4,185,600.88	0.56	99.2	Analog	0.10	3
2	In	115	1,202,835.86	1.26	98.9	Pulse	0.10	3
1	Tb	159	5,896,197.62	0.64	98.3	Analog	0.10	3
2	Tb	159	3,901,249.73	0.10	98.3	Analog	0.10	3
1	Ho	165	5,574,041.17	0.55	99.4	Analog	0.10	3
2	Ho	165	3,762,197.02	0.69	98.7	Analog	0.10	3
1	Bi	209	3,245,199.74	0.49	99.0	Analog	0.10	3
2	Bi	209	2,496,772.36	0.57	97.9	Analog	0.10	3

Quantitation Report

File Name	014SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 15:29
Sample Name	CRI
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.630	ug/l	4.31	1,916.14	1.079E-03	Pulse	0.25	3
B	11	6	1	5.428	ug/l	1.06	15,525.14	8.741E-03	Pulse	0.15	3
Na	23	45	1	273.416	ug/l	0.50	3,577,119.63	1.047E+00	Analog	0.10	3
Na	23	45	2	273.723	ug/l	2.43	133,225.38	6.934E-01	Pulse	0.20	3
Mg	24	45	1	276.114	ug/l	0.60	2,302,351.69	6.741E-01	Analog	0.10	3
Mg	24	45	2	273.224	ug/l	1.39	64,771.95	3.371E-01	Pulse	0.20	3
Al	27	45	1	33.556	ug/l	0.27	382,443.07	1.120E-01	Pulse	0.10	3
Al	27	45	2	30.592	ug/l	8.08	2,888.64	1.502E-02	Pulse	0.20	3
K	39	45	1	269.080	ug/l	0.33	5,404,935.33	1.582E+00	Analog	0.10	3
K	39	45	2	273.200	ug/l	3.22	79,216.49	4.123E-01	Pulse	0.20	3
Ca	43	45	1	274.535	ug/l	1.20	8,807.65	2.579E-03	Pulse	1.50	3
Ca	43	45	2	302.747	ug/l	7.24	247.12	1.287E-03	Pulse	1.50	3
Ca	44	45	1	284.740	ug/l	0.36	144,031.79	4.217E-02	Pulse	0.10	3
Ca	44	45	2	299.474	ug/l	3.15	4,267.31	2.219E-02	Pulse	0.20	3
Ti	47	45	1	1.259	ug/l	4.37	1,853.53	5.427E-04	Pulse	0.10	3
Ti	47	45	2	1.084	ug/l	22.59	105.00	5.480E-04	Pulse	0.20	3
V	51	45	2	1.142	ug/l	7.49	3,558.78	1.854E-02	Pulse	0.20	3
Cr	52	45	2	1.217	ug/l	1.82	7,208.37	3.751E-02	Pulse	0.20	3
Mn	55	45	2	0.671	ug/l	11.51	1,321.75	6.883E-03	Pulse	0.20	3
Fe	56	45	2	34.965	ug/l	4.37	101,760.21	5.298E-01	Pulse	0.20	3
Co	59	45	2	0.602	ug/l	7.73	3,268.72	1.703E-02	Pulse	0.20	3
Ni	60	45	2	1.375	ug/l	3.03	2,101.84	1.094E-02	Pulse	0.20	3
Cu	63	45	2	1.232	ug/l	9.11	4,590.74	2.392E-02	Pulse	0.20	3
Cu	65	45	2	1.215	ug/l	1.89	2,265.21	1.179E-02	Pulse	0.20	3
Zn	66	45	2	3.055	ug/l	3.13	1,976.83	1.029E-02	Pulse	0.20	3
As	75	45	2	0.625	ug/l	5.53	264.00	1.375E-03	Pulse	0.50	3
Se	78	45	2	0.676	ug/l	6.39	48.67	2.533E-04	Pulse	1.00	3
Se	78	45	3	0.709	ug/l	4.74	71.33	2.382E-04	Pulse	1.00	3
Sr	88	45	1	5.458	ug/l	1.06	149,215.56	4.369E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.161	ug/l	4.37	5,554.53	1.365E-03	Pulse	0.10	3
Ag	107	115	1	0.633	ug/l	3.53	6,421.51	1.520E-03	Pulse	0.10	3
Cd	111	115	1	0.639	ug/l	6.22	1,381.42	3.270E-04	Pulse	0.25	3
Cd	111	115	2	0.595	ug/l	0.52	612.02	4.968E-04	Pulse	0.25	3
Sn	117	115	1	5.260	ug/l	1.65	11,007.61	2.606E-03	Pulse	0.10	3
Sn	118	115	1	5.284	ug/l	0.82	35,307.35	8.358E-03	Pulse	0.10	3
Sn	118	115	2	5.120	ug/l	2.07	12,441.99	1.010E-02	Pulse	0.10	3
Sn	119	115	1	5.283	ug/l	4.98	12,992.53	3.075E-03	Pulse	0.10	3
Sb	121	159	1	0.762	ug/l	3.98	5,484.51	9.162E-04	Pulse	0.10	3
Ba	137	159	1	1.091	ug/l	10.70	4,510.83	7.536E-04	Pulse	0.10	3
Tl	205	209	1	0.523	ug/l	5.56	9,186.55	2.801E-03	Pulse	0.10	3
Pb	208	209	1	0.604	ug/l	5.31	14,720.16	4.489E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,776,208.44	0.37	100.6	Analog	0.10	3
1	Sc	45	3,415,544.43	0.47	100.2	Analog	0.10	3
2	Sc	45	192,198.72	2.58	99.7	Pulse	0.10	3
3	Sc	45	299,501.48	0.82	99.8	Pulse	0.10	3
1	Ge	72	670,226.03	0.38	99.5	Pulse	0.10	3
2	Ge	72	114,091.16	0.45	98.7	Pulse	0.10	3
3	Ge	72	146,635.34	1.37	99.1	Pulse	0.10	3
1	Rh	103	4,069,851.61	1.16	99.2	Analog	0.10	3
2	Rh	103	2,548,524.28	0.80	99.2	Analog	0.10	3
1	In	115	4,224,624.80	0.14	100.2	Analog	0.10	3
2	In	115	1,232,043.01	0.95	101.3	Pulse	0.10	3
1	Tb	159	5,986,721.16	0.40	99.8	Analog	0.10	3
2	Tb	159	3,997,439.52	0.26	100.8	Analog	0.10	3
1	Ho	165	5,606,002.00	0.80	99.9	Analog	0.10	3
2	Ho	165	3,834,737.34	0.11	100.6	Analog	0.10	3
1	Bi	209	3,279,401.72	0.33	100.0	Analog	0.10	3
2	Bi	209	2,545,062.41	0.17	99.8	Analog	0.10	3

Quantitation Report

File Name	015SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 15:34
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	52.259	ug/l	0.32	153,390.16	8.493E-02	Pulse	0.25	3
B	11	6	1	51.776	ug/l	0.77	122,811.25	6.800E-02	Pulse	0.15	3
Na	23	45	1	5064.463	ug/l	0.34	62,359,699.07	1.818E+01	Analog	0.10	3
Na	23	45	2	5013.182	ug/l	1.30	2,260,483.04	1.192E+01	Analog	0.20	3
Mg	24	45	1	5053.653	ug/l	0.42	42,270,114.37	1.232E+01	Analog	0.10	3
Mg	24	45	2	4975.947	ug/l	1.34	1,162,786.23	6.133E+00	Pulse	0.20	3
Al	27	45	1	4970.592	ug/l	0.48	56,253,272.50	1.640E+01	Analog	0.10	3
Al	27	45	2	4967.906	ug/l	0.81	454,891.92	2.399E+00	Pulse	0.20	3
K	39	45	1	4966.688	ug/l	0.67	80,356,393.80	2.343E+01	Analog	0.10	3
K	39	45	2	4985.639	ug/l	1.21	1,277,946.41	6.740E+00	Mix	0.20	3
Ca	43	45	1	4991.939	ug/l	0.65	158,999.13	4.636E-02	Pulse	1.50	3
Ca	43	45	2	5454.415	ug/l	1.12	4,381.02	2.311E-02	Pulse	1.50	3
Ca	44	45	1	4990.605	ug/l	0.78	2,495,243.61	7.275E-01	Analog	0.10	3
Ca	44	45	2	5106.408	ug/l	0.24	71,303.73	3.760E-01	Pulse	0.20	3
Ti	47	45	1	51.832	ug/l	2.02	74,273.52	2.166E-02	Pulse	0.10	3
Ti	47	45	2	56.401	ug/l	1.26	5,407.63	2.852E-02	Pulse	0.20	3
V	51	45	2	52.037	ug/l	1.22	146,231.14	7.713E-01	Pulse	0.20	3
Cr	52	45	2	51.228	ug/l	0.88	181,974.12	9.597E-01	Pulse	0.20	3
Mn	55	45	2	51.399	ug/l	2.48	99,074.71	5.225E-01	Pulse	0.20	3
Fe	56	45	2	4953.408	ug/l	1.07	13,888,659.37	7.325E+01	Analog	0.20	3
Co	59	45	2	50.492	ug/l	0.91	264,339.80	1.394E+00	Pulse	0.20	3
Ni	60	45	2	50.397	ug/l	0.56	69,768.93	3.679E-01	Pulse	0.20	3
Cu	63	45	2	50.627	ug/l	1.83	183,222.23	9.664E-01	Pulse	0.20	3
Cu	65	45	2	51.047	ug/l	0.95	91,528.24	4.827E-01	Pulse	0.20	3
Zn	66	45	2	51.129	ug/l	1.28	31,019.60	1.636E-01	Pulse	0.20	3
As	75	45	2	51.790	ug/l	0.41	20,496.24	1.081E-01	Pulse	0.50	3
Se	78	45	2	50.326	ug/l	2.85	1,811.11	9.553E-03	Pulse	1.00	3
Se	78	45	3	50.651	ug/l	1.23	4,920.09	1.662E-02	Pulse	1.00	3
Sr	88	45	1	50.729	ug/l	1.30	1,388,557.17	4.049E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	54.421	ug/l	1.90	247,532.34	6.243E-02	Pulse	0.10	3
Ag	107	115	1	50.828	ug/l	0.43	502,137.82	1.199E-01	Pulse	0.10	3
Cd	111	115	1	52.347	ug/l	0.41	111,033.12	2.651E-02	Pulse	0.25	3
Cd	111	115	2	52.194	ug/l	0.56	51,185.10	4.338E-02	Pulse	0.25	3
Sn	117	115	1	52.421	ug/l	1.32	107,908.56	2.577E-02	Pulse	0.10	3
Sn	118	115	1	52.465	ug/l	1.10	345,092.69	8.240E-02	Pulse	0.10	3
Sn	118	115	2	52.159	ug/l	0.37	120,589.69	1.022E-01	Pulse	0.10	3
Sn	119	115	1	52.020	ug/l	1.38	123,781.45	2.956E-02	Pulse	0.10	3
Sb	121	159	1	60.157	ug/l	0.64	406,322.13	6.831E-02	Pulse	0.10	3
Ba	137	159	1	52.182	ug/l	0.96	177,224.35	2.979E-02	Pulse	0.10	3
Tl	205	209	1	48.520	ug/l	2.46	787,629.60	2.479E-01	Pulse	0.10	3
Pb	208	209	1	52.517	ug/l	0.53	1,164,193.63	3.664E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,806,030.32	0.47	102.2	Analog	0.10	3
1	Sc	45	3,429,708.91	0.22	100.7	Analog	0.10	3
2	Sc	45	189,618.78	1.16	98.3	Pulse	0.10	3
3	Sc	45	295,951.17	0.77	98.6	Pulse	0.10	3
1	Ge	72	666,755.75	0.33	99.0	Pulse	0.10	3
2	Ge	72	112,537.01	0.98	97.3	Pulse	0.10	3
3	Ge	72	140,774.20	0.27	95.2	Pulse	0.10	3
1	Rh	103	3,965,352.75	0.49	96.6	Analog	0.10	3
2	Rh	103	2,475,439.86	0.93	96.4	Analog	0.10	3
1	In	115	4,187,979.78	0.30	99.3	Analog	0.10	3
2	In	115	1,179,804.20	1.08	97.0	Pulse	0.10	3
1	Tb	159	5,948,550.74	0.11	99.2	Analog	0.10	3
2	Tb	159	3,948,134.21	0.11	99.5	Analog	0.10	3
1	Ho	165	5,590,058.04	1.07	99.6	Analog	0.10	3
2	Ho	165	3,812,965.46	0.39	100.0	Analog	0.10	3
1	Bi	209	3,177,681.62	0.19	96.9	Analog	0.10	3
2	Bi	209	2,455,846.89	0.22	96.3	Analog	0.10	3

Quantitation Report

File Name	016SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 15:40
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.146	ug/l	12.08	524.02	2.934E-04	Pulse	0.25	3
B	11	6	1	0.759	ug/l	6.54	4,949.74	2.771E-03	Pulse	0.15	3
Na	23	45	1	14.479	ug/l	8.00	411,355.70	1.212E-01	Pulse	0.10	3
Na	23	45	2	9.679	ug/l	22.62	13,130.38	6.785E-02	Pulse	0.20	3
Mg	24	45	1	17.166	ug/l	7.38	144,501.72	4.259E-02	Pulse	0.10	3
Mg	24	45	2	11.296	ug/l	21.13	2,760.28	1.427E-02	Pulse	0.20	3
Al	27	45	1	16.257	ug/l	5.81	186,224.59	5.489E-02	Pulse	0.10	3
Al	27	45	2	12.174	ug/l	23.21	1,185.07	6.129E-03	Pulse	0.20	3
K	39	45	1	13.724	ug/l	9.60	1,339,956.91	3.949E-01	Analog	0.10	3
K	39	45	2	10.053	ug/l	21.44	11,422.43	5.901E-02	Pulse	0.20	3
Ca	43	45	1	15.839	ug/l	7.29	603.57	1.779E-04	Pulse	1.50	3
Ca	43	45	2	10.014	ug/l	8.41	9.11	4.705E-05	Pulse	1.50	3
Ca	44	45	1	16.318	ug/l	12.71	10,436.99	3.077E-03	Pulse	0.10	3
Ca	44	45	2	13.315	ug/l	13.17	218.34	1.128E-03	Pulse	0.20	3
Ti	47	45	1	0.201	ug/l	54.44	343.36	1.011E-04	Pulse	0.10	3
Ti	47	45	2	0.288	ug/l	56.25	28.33	1.459E-04	Pulse	0.20	3
V	51	45	2	0.123	ug/l	32.55	670.03	3.462E-03	Pulse	0.20	3
Cr	52	45	2	0.050	ug/l	38.54	3,097.03	1.600E-02	Pulse	0.20	3
Mn	55	45	2	0.109	ug/l	22.82	226.68	1.172E-03	Pulse	0.20	3
Fe	56	45	2	12.190	ug/l	13.85	37,356.68	1.931E-01	Pulse	0.20	3
Co	59	45	2	0.090	ug/l	22.79	558.36	2.886E-03	Pulse	0.20	3
Ni	60	45	2	0.096	ug/l	56.76	315.01	1.629E-03	Pulse	0.20	3
Cu	63	45	2	0.108	ug/l	11.30	478.35	2.472E-03	Pulse	0.20	3
Cu	65	45	2	0.097	ug/l	11.82	238.34	1.232E-03	Pulse	0.20	3
Zn	66	45	2	0.063	ug/l	115.03	145.00	7.493E-04	Pulse	0.20	3
As	75	45	2	0.106	ug/l	10.63	56.67	2.928E-04	Pulse	0.50	3
Se	78	45	2	0.308	ug/l	33.14	35.67	1.843E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.078	ug/l	14.98	9.33	3.112E-05	Pulse	1.00	3
Sr	88	45	1	0.162	ug/l	16.62	4,847.60	1.429E-03	Pulse	0.10	3
Mo	95	103	1	0.230	ug/l	9.74	1,210.10	2.970E-04	Pulse	0.10	3
Ag	107	115	1	0.156	ug/l	10.63	1,666.82	3.942E-04	Pulse	0.10	3
Cd	111	115	1	0.154	ug/l	7.33	344.01	8.135E-05	Pulse	0.25	3
Cd	111	115	2	0.111	ug/l	12.46	116.00	9.474E-05	Pulse	0.25	3
Sn	117	115	1	0.231	ug/l	8.40	573.37	1.356E-04	Pulse	0.10	3
Sn	118	115	1	0.258	ug/l	9.14	1,983.54	4.692E-04	Pulse	0.10	3
Sn	118	115	2	0.243	ug/l	6.41	670.05	5.471E-04	Pulse	0.10	3
Sn	119	115	1	0.187	ug/l	11.56	796.73	1.884E-04	Pulse	0.10	3
Sb	121	159	1	0.241	ug/l	4.78	1,950.21	3.254E-04	Pulse	0.10	3
Ba	137	159	1	0.163	ug/l	32.91	1,353.45	2.257E-04	Pulse	0.10	3
Tl	205	209	1	0.468	ug/l	2.07	8,229.29	2.520E-03	Pulse	0.10	3
Pb	208	209	1	0.141	ug/l	10.22	4,117.08	1.261E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,786,172.56	0.13	101.1	Analog	0.10	3
1	Sc	45	3,393,398.91	0.60	99.6	Analog	0.10	3
2	Sc	45	193,611.51	0.94	100.4	Pulse	0.10	3
3	Sc	45	299,937.31	0.43	100.0	Pulse	0.10	3
1	Ge	72	667,964.58	0.83	99.1	Pulse	0.10	3
2	Ge	72	114,433.59	1.45	99.0	Pulse	0.10	3
3	Ge	72	146,584.23	0.80	99.1	Pulse	0.10	3
1	Rh	103	4,076,328.48	1.15	99.3	Analog	0.10	3
2	Rh	103	2,544,345.80	0.32	99.1	Analog	0.10	3
1	In	115	4,231,077.27	1.44	100.3	Analog	0.10	3
2	In	115	1,224,651.46	0.49	100.7	Pulse	0.10	3
1	Tb	159	5,993,670.74	1.02	99.9	Analog	0.10	3
2	Tb	159	3,940,810.46	0.36	99.3	Analog	0.10	3
1	Ho	165	5,625,799.50	0.83	100.3	Analog	0.10	3
2	Ho	165	3,791,911.51	0.24	99.5	Analog	0.10	3
1	Bi	209	3,265,868.60	0.66	99.6	Analog	0.10	3
2	Bi	209	2,507,919.70	0.32	98.4	Analog	0.10	3

Quantitation Report

File Name	017CALS.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 15:47
Sample Name	SAMPLECONF
Sample Type	Sample
Comment	50
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	47.979	ug/l	0.69	138,757.84	7.798E-02	Pulse	0.25	3
B	11	6	1	45.668	ug/l	0.51	107,102.56	6.019E-02	Pulse	0.15	3
Na	23	45	1	46.318	ug/l	0.35	794,429.42	2.351E-01	Pulse	0.10	3
Na	23	45	2	45.284	ug/l	3.76	29,008.69	1.522E-01	Pulse	0.20	3
Mg	24	45	1	49.321	ug/l	0.62	408,882.47	1.210E-01	Pulse	0.10	3
Mg	24	45	2	46.779	ug/l	2.93	11,055.49	5.800E-02	Pulse	0.20	3
Al	27	45	1	47.509	ug/l	0.82	533,904.28	1.580E-01	Pulse	0.10	3
Al	27	45	2	47.302	ug/l	8.16	4,402.34	2.309E-02	Pulse	0.20	3
K	39	45	1	45.091	ug/l	1.01	1,827,271.74	5.408E-01	Analog	0.10	3
K	39	45	2	45.089	ug/l	2.36	20,215.82	1.061E-01	Pulse	0.20	3
Ca	43	45	1	71.323	ug/l	1.83	2,341.06	6.928E-04	Pulse	1.50	3
Ca	43	45	2	379.333	ug/l	1.91	307.11	1.611E-03	Pulse	1.50	3
Ca	44	45	1	64.238	ug/l	2.11	33,979.13	1.006E-02	Pulse	0.10	3
Ca	44	45	2	227.371	ug/l	4.12	3,218.71	1.688E-02	Pulse	0.20	3
Ti	47	45	1	46.773	ug/l	1.12	66,038.68	1.954E-02	Pulse	0.10	3
Ti	47	45	2	48.164	ug/l	5.73	4,644.08	2.435E-02	Pulse	0.20	3
V	51	45	2	48.138	ug/l	1.11	136,018.58	7.136E-01	Pulse	0.20	3
Cr	52	45	2	48.165	ug/l	1.92	172,159.84	9.033E-01	Pulse	0.20	3
Mn	55	45	2	48.538	ug/l	1.86	94,044.22	4.934E-01	Pulse	0.20	3
Fe	56	45	2	50.396	ug/l	1.50	144,474.86	7.580E-01	Pulse	0.20	3
Co	59	45	2	47.796	ug/l	0.79	251,558.46	1.320E+00	Pulse	0.20	3
Ni	60	45	2	48.088	ug/l	1.10	66,927.11	3.511E-01	Pulse	0.20	3
Cu	63	45	2	47.914	ug/l	1.53	174,332.75	9.146E-01	Pulse	0.20	3
Cu	65	45	2	48.122	ug/l	1.95	86,736.21	4.551E-01	Pulse	0.20	3
Zn	66	45	2	48.568	ug/l	1.45	29,622.03	1.554E-01	Pulse	0.20	3
As	75	45	2	47.856	ug/l	1.30	19,039.81	9.989E-02	Pulse	0.50	3
Se	78	45	2	48.060	ug/l	1.19	1,740.10	9.129E-03	Pulse	1.00	3
Se	78	45	3	48.096	ug/l	1.33	4,590.66	1.579E-02	Pulse	1.00	3
Sr	88	45	1	47.795	ug/l	0.55	1,288,910.69	3.814E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	47.476	ug/l	0.35	222,055.70	5.446E-02	Pulse	0.10	3
Ag	107	115	1	48.591	ug/l	0.70	486,045.28	1.146E-01	Pulse	0.10	3
Cd	111	115	1	49.168	ug/l	1.14	105,596.94	2.490E-02	Pulse	0.25	3
Cd	111	115	2	48.286	ug/l	0.53	48,472.68	4.014E-02	Pulse	0.25	3
Sn	117	115	1	47.713	ug/l	0.52	99,454.06	2.345E-02	Pulse	0.10	3
Sn	118	115	1	46.787	ug/l	0.73	311,601.02	7.349E-02	Pulse	0.10	3
Sn	118	115	2	46.633	ug/l	0.24	110,376.18	9.139E-02	Pulse	0.10	3
Sn	119	115	1	46.996	ug/l	0.92	113,258.65	2.671E-02	Pulse	0.10	3
Sb	121	159	1	47.662	ug/l	2.42	323,975.69	5.413E-02	Pulse	0.10	3
Ba	137	159	1	48.717	ug/l	1.09	166,527.39	2.782E-02	Pulse	0.10	3
Tl	205	209	1	47.955	ug/l	1.04	804,334.65	2.450E-01	Pulse	0.10	3
Pb	208	209	1	48.337	ug/l	0.86	1,107,251.61	3.372E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,779,398.25	0.38	100.7	Analog	0.10	3
1	Sc	45	3,378,999.22	0.04	99.2	Analog	0.10	3
2	Sc	45	190,623.76	1.08	98.8	Pulse	0.10	3
3	Sc	45	290,807.96	0.36	96.9	Pulse	0.10	3
1	Ge	72	668,587.51	0.71	99.2	Pulse	0.10	3
2	Ge	72	111,654.72	0.87	96.6	Pulse	0.10	3
3	Ge	72	142,021.84	1.58	96.0	Pulse	0.10	3
1	Rh	103	4,077,138.06	0.65	99.3	Analog	0.10	3
2	Rh	103	2,535,368.09	0.68	98.7	Analog	0.10	3
1	In	115	4,240,128.46	1.07	100.5	Analog	0.10	3
2	In	115	1,207,727.82	0.47	99.3	Pulse	0.10	3
1	Tb	159	5,985,184.29	0.12	99.8	Analog	0.10	3
2	Tb	159	3,982,329.63	0.56	100.4	Analog	0.10	3
1	Ho	165	5,642,278.88	1.02	100.6	Analog	0.10	3
2	Ho	165	3,803,612.44	0.62	99.8	Analog	0.10	3
1	Bi	209	3,283,463.08	0.86	100.2	Analog	0.10	3
2	Bi	209	2,532,443.77	0.58	99.3	Analog	0.10	3

Quantitation Report

File Name	018CALS.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 15:52
Sample Name	sampleconf
Sample Type	Sample
Comment	100
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	99.633	ug/l	1.94	278,480.62	1.619E-01	Pulse	0.25	3
B	11	6	1	96.293	ug/l	2.75	214,891.77	1.249E-01	Pulse	0.15	3
Na	23	45	1	92.648	ug/l	1.48	1,291,059.28	4.008E-01	Analog	0.10	3
Na	23	45	2	92.163	ug/l	2.26	46,723.36	2.633E-01	Pulse	0.20	3
Mg	24	45	1	97.676	ug/l	0.83	769,641.65	2.389E-01	Pulse	0.10	3
Mg	24	45	2	95.069	ug/l	3.37	20,858.17	1.175E-01	Pulse	0.20	3
Al	27	45	1	93.414	ug/l	0.57	996,879.46	3.095E-01	Pulse	0.10	3
Al	27	45	2	90.675	ug/l	4.14	7,813.63	4.404E-02	Pulse	0.20	3
K	39	45	1	92.784	ug/l	0.56	2,456,456.63	7.626E-01	Analog	0.10	3
K	39	45	2	94.322	ug/l	2.35	30,559.90	1.722E-01	Pulse	0.20	3
Ca	43	45	1	146.277	ug/l	1.02	4,472.60	1.388E-03	Pulse	1.50	3
Ca	43	45	2	778.220	ug/l	2.38	585.79	3.301E-03	Pulse	1.50	3
Ca	44	45	1	125.395	ug/l	1.80	61,083.34	1.896E-02	Pulse	0.10	3
Ca	44	45	2	472.713	ug/l	4.38	6,202.94	3.494E-02	Pulse	0.20	3
Ti	47	45	1	97.439	ug/l	1.18	131,094.35	4.070E-02	Pulse	0.10	3
Ti	47	45	2	102.606	ug/l	1.39	9,207.72	5.188E-02	Pulse	0.20	3
V	51	45	2	100.820	ug/l	1.01	264,940.89	1.493E+00	Pulse	0.20	3
Cr	52	45	2	100.690	ug/l	0.13	332,244.57	1.872E+00	Pulse	0.20	3
Mn	55	45	2	102.364	ug/l	0.99	184,676.31	1.041E+00	Pulse	0.20	3
Fe	56	45	2	103.532	ug/l	1.40	273,970.79	1.544E+00	Pulse	0.20	3
Co	59	45	2	101.528	ug/l	1.00	497,464.86	2.803E+00	Pulse	0.20	3
Ni	60	45	2	101.662	ug/l	0.69	131,563.72	7.413E-01	Pulse	0.20	3
Cu	63	45	2	101.253	ug/l	0.83	342,964.43	1.932E+00	Pulse	0.20	3
Cu	65	45	2	101.579	ug/l	1.10	170,429.50	9.602E-01	Pulse	0.20	3
Zn	66	45	2	101.968	ug/l	0.23	57,806.62	3.257E-01	Pulse	0.20	3
As	75	45	2	101.715	ug/l	1.76	37,667.38	2.122E-01	Pulse	0.50	3
Se	78	45	2	101.923	ug/l	1.90	3,411.37	1.922E-02	Pulse	1.00	3
Se	78	45	3	102.770	ug/l	1.32	9,243.30	3.372E-02	Pulse	1.00	3
Sr	88	45	1	97.766	ug/l	1.39	2,512,932.20	7.801E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	98.714	ug/l	0.72	443,059.59	1.132E-01	Pulse	0.10	3
Ag	107	115	1	101.103	ug/l	0.36	965,128.55	2.385E-01	Pulse	0.10	3
Cd	111	115	1	102.087	ug/l	0.44	209,244.73	5.170E-02	Pulse	0.25	3
Cd	111	115	2	100.881	ug/l	1.06	96,528.93	8.385E-02	Pulse	0.25	3
Sn	117	115	1	99.292	ug/l	1.23	197,448.71	4.879E-02	Pulse	0.10	3
Sn	118	115	1	99.299	ug/l	0.63	630,974.59	1.559E-01	Pulse	0.10	3
Sn	118	115	2	98.331	ug/l	1.12	221,754.42	1.926E-01	Pulse	0.10	3
Sn	119	115	1	99.768	ug/l	0.77	229,105.68	5.661E-02	Pulse	0.10	3
Sb	121	159	1	99.106	ug/l	1.52	653,822.75	1.125E-01	Pulse	0.10	3
Ba	137	159	1	99.688	ug/l	0.61	330,080.97	5.679E-02	Pulse	0.10	3
Tl	205	209	1	95.165	ug/l	0.63	1,559,451.80	4.860E-01	Analog	0.10	3
Pb	208	209	1	100.137	ug/l	0.80	2,240,654.55	6.983E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,720,523.84	0.80	97.4	Analog	0.10	3
1	Sc	45	3,221,274.43	0.32	94.5	Analog	0.10	3
2	Sc	45	177,496.55	1.24	92.0	Pulse	0.10	3
3	Sc	45	274,091.01	0.89	91.4	Pulse	0.10	3
1	Ge	72	637,004.22	1.24	94.5	Pulse	0.10	3
2	Ge	72	107,359.14	1.14	92.9	Pulse	0.10	3
3	Ge	72	137,006.45	0.77	92.6	Pulse	0.10	3
1	Rh	103	3,913,709.00	0.32	95.4	Analog	0.10	3
2	Rh	103	2,434,962.05	0.47	94.8	Analog	0.10	3
1	In	115	4,047,224.63	0.51	96.0	Analog	0.10	3
2	In	115	1,151,240.40	0.78	94.7	Pulse	0.10	3
1	Tb	159	5,811,957.41	0.72	96.9	Analog	0.10	3
2	Tb	159	3,851,215.26	0.49	97.1	Analog	0.10	3
1	Ho	165	5,490,123.67	0.84	97.9	Analog	0.10	3
2	Ho	165	3,718,366.51	0.81	97.5	Analog	0.10	3
1	Bi	209	3,208,557.24	0.38	97.9	Analog	0.10	3
2	Bi	209	2,483,472.15	0.97	97.4	Analog	0.10	3

Quantitation Report

File Name	019SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 15:57
Sample Name	sampleconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	62.937	ug/l	1.28	179,594.64	1.023E-01	Pulse	0.25	3
B	11	6	1	59.476	ug/l	0.39	136,695.19	7.784E-02	Pulse	0.15	3
Na	23	45	1	5774.737	ug/l	0.31	68,731,223.98	2.072E+01	Analog	0.10	3
Na	23	45	2	5632.708	ug/l	1.33	2,496,636.79	1.339E+01	Analog	0.20	3
Mg	24	45	1	5783.526	ug/l	0.69	46,782,122.64	1.410E+01	Analog	0.10	3
Mg	24	45	2	5601.207	ug/l	1.31	1,287,161.67	6.903E+00	Mix	0.20	3
Al	27	45	1	5741.018	ug/l	0.33	62,832,167.39	1.894E+01	Analog	0.10	3
Al	27	45	2	5688.604	ug/l	0.95	512,226.02	2.747E+00	Pulse	0.20	3
K	39	45	1	5671.477	ug/l	0.43	88,582,002.01	2.671E+01	Analog	0.10	3
K	39	45	2	5585.002	ug/l	1.34	1,406,707.64	7.545E+00	Analog	0.20	3
Ca	43	45	1	5699.318	ug/l	0.22	175,533.83	5.292E-02	Pulse	1.50	3
Ca	43	45	2	6024.240	ug/l	2.01	4,758.02	2.552E-02	Pulse	1.50	3
Ca	44	45	1	5731.555	ug/l	0.63	2,770,988.60	8.354E-01	Analog	0.10	3
Ca	44	45	2	5854.897	ug/l	1.89	80,382.62	4.311E-01	Pulse	0.20	3
Ti	47	45	1	56.992	ug/l	0.69	78,967.93	2.381E-02	Pulse	0.10	3
Ti	47	45	2	57.752	ug/l	2.81	5,444.33	2.920E-02	Pulse	0.20	3
V	51	45	2	62.314	ug/l	1.79	172,136.94	9.233E-01	Pulse	0.20	3
Cr	52	45	2	62.033	ug/l	1.65	216,103.85	1.159E+00	Pulse	0.20	3
Mn	55	45	2	62.923	ug/l	1.89	119,253.40	6.396E-01	Pulse	0.20	3
Fe	56	45	2	5654.801	ug/l	1.19	15,591,592.27	8.362E+01	Analog	0.20	3
Co	59	45	2	61.676	ug/l	1.76	317,492.82	1.703E+00	Pulse	0.20	3
Ni	60	45	2	61.432	ug/l	2.11	83,584.42	4.483E-01	Pulse	0.20	3
Cu	63	45	2	62.568	ug/l	1.27	222,666.92	1.194E+00	Pulse	0.20	3
Cu	65	45	2	61.920	ug/l	1.32	109,160.14	5.855E-01	Pulse	0.20	3
Zn	66	45	2	65.220	ug/l	1.36	38,876.17	2.085E-01	Pulse	0.20	3
As	75	45	2	63.085	ug/l	0.17	24,549.82	1.317E-01	Pulse	0.50	3
Se	78	45	2	62.815	ug/l	1.92	2,217.49	1.189E-02	Pulse	1.00	3
Se	78	45	3	63.948	ug/l	1.13	5,980.45	2.099E-02	Pulse	1.00	3
Sr	88	45	1	56.817	ug/l	0.54	1,503,927.63	4.534E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	58.944	ug/l	1.16	263,240.36	6.761E-02	Pulse	0.10	3
Ag	107	115	1	62.583	ug/l	0.54	603,980.88	1.476E-01	Pulse	0.10	3
Cd	111	115	1	64.340	ug/l	0.28	133,321.43	3.259E-02	Pulse	0.25	3
Cd	111	115	2	62.770	ug/l	0.35	60,988.80	5.217E-02	Pulse	0.25	3
Sn	117	115	1	60.692	ug/l	1.14	122,047.54	2.983E-02	Pulse	0.10	3
Sn	118	115	1	59.860	ug/l	0.53	384,620.44	9.401E-02	Pulse	0.10	3
Sn	118	115	2	58.828	ug/l	0.61	134,749.53	1.153E-01	Pulse	0.10	3
Sn	119	115	1	59.820	ug/l	0.65	138,996.89	3.398E-02	Pulse	0.10	3
Sb	121	159	1	75.236	ug/l	0.65	505,916.56	8.542E-02	Pulse	0.10	3
Ba	137	159	1	64.280	ug/l	0.37	217,201.52	3.667E-02	Pulse	0.10	3
Tl	205	209	1	64.896	ug/l	1.18	1,054,110.30	3.315E-01	Pulse	0.10	3
Pb	208	209	1	63.892	ug/l	0.75	1,417,259.09	4.457E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,755,966.95	0.79	99.4	Analog	0.10	3
1	Sc	45	3,316,734.85	0.78	97.3	Analog	0.10	3
2	Sc	45	186,471.71	1.19	96.7	Pulse	0.10	3
3	Sc	45	284,968.36	0.06	95.0	Pulse	0.10	3
1	Ge	72	653,496.14	0.11	97.0	Pulse	0.10	3
2	Ge	72	110,214.20	0.95	95.3	Pulse	0.10	3
3	Ge	72	140,448.52	1.78	95.0	Pulse	0.10	3
1	Rh	103	3,893,308.80	0.46	94.9	Analog	0.10	3
2	Rh	103	2,423,166.58	0.72	94.3	Analog	0.10	3
1	In	115	4,091,271.60	1.13	97.0	Analog	0.10	3
2	In	115	1,168,978.46	0.55	96.1	Pulse	0.10	3
1	Tb	159	5,923,125.96	1.02	98.7	Analog	0.10	3
2	Tb	159	3,904,428.80	0.37	98.4	Analog	0.10	3
1	Ho	165	5,565,833.46	1.09	99.2	Analog	0.10	3
2	Ho	165	3,763,086.61	0.37	98.7	Analog	0.10	3
1	Bi	209	3,180,045.06	0.87	97.0	Analog	0.10	3
2	Bi	209	2,431,344.60	0.33	95.4	Analog	0.10	3

Quantitation Report

File Name	020SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 16:07
Sample Name	ICSA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.042	ug/l	26.86	198.67	1.236E-04	Pulse	0.25	3
B	11	6	1	1.232	ug/l	10.65	5,425.46	3.376E-03	Pulse	0.15	3
Na	23	45	1	97795.101	ug/l	0.47	1,118,214,676.67	3.498E+02	Analog	0.10	3
Na	23	45	2	98948.252	ug/l	0.41	44,057,612.68	2.345E+02	Analog	0.20	3
Mg	24	45	1	99026.315	ug/l	0.93	772,098,548.49	2.415E+02	Analog	0.10	3
Mg	24	45	2	98754.854	ug/l	0.44	22,868,457.99	1.217E+02	Analog	0.20	3
Al	27	45	1	96403.131	ug/l	0.70	1,016,952,491.51	3.181E+02	Analog	0.10	3
Al	27	45	2	96516.896	ug/l	0.58	8,757,048.62	4.661E+01	Analog	0.20	3
K	39	45	1	96030.145	ug/l	0.17	1,428,755,658.71	4.469E+02	Analog	0.10	3
K	39	45	2	96092.573	ug/l	0.73	24,252,027.14	1.291E+02	Analog	0.20	3
Ca	43	45	1	95199.711	ug/l	0.64	2,824,771.22	8.835E-01	Analog	1.50	3
Ca	43	45	2	96934.600	ug/l	1.03	77,144.92	4.106E-01	Pulse	1.50	3
Ca	44	45	1	98059.056	ug/l	0.79	45,662,229.32	1.428E+01	Analog	0.10	3
Ca	44	45	2	93797.401	ug/l	0.42	1,297,351.81	6.905E+00	Analog	0.20	3
Ti	47	45	1	1973.696	ug/l	0.84	2,634,189.54	8.240E-01	Analog	0.10	3
Ti	47	45	2	1973.155	ug/l	0.63	187,459.32	9.977E-01	Pulse	0.20	3
V	51	45	2	0.219	ug/l	3.03	916.71	4.879E-03	Pulse	0.20	3
Cr	52	45	2	1.230	ug/l	4.82	7,095.00	3.776E-02	Pulse	0.20	3
Mn	55	45	2	0.246	ug/l	9.30	481.69	2.563E-03	Pulse	0.20	3
Fe	56	45	2	97164.011	ug/l	1.01	269,938,302.64	1.437E+03	Analog	0.20	3
Co	59	45	2	0.072	ug/l	20.46	446.69	2.377E-03	Pulse	0.20	3
Ni	60	45	2	0.735	ug/l	17.20	1,180.07	6.282E-03	Pulse	0.20	3
Cu	63	45	2	0.283	ug/l	2.32	1,091.73	5.811E-03	Pulse	0.20	3
Cu	65	45	2	0.280	ug/l	8.80	555.02	2.953E-03	Pulse	0.20	3
Zn	66	45	2	2.001	ug/l	6.94	1,301.75	6.930E-03	Pulse	0.20	3
As	75	45	2	0.397	ug/l	2.69	169.33	9.012E-04	Pulse	0.50	3
Se	78	45	2	-0.079	ug/l	-110.74	21.00	1.118E-04	Pulse	1.00	3
Se	78	45	3	0.098	ug/l	54.60	11.00	3.778E-05	Pulse	1.00	3
Sr	88	45	1	0.408	ug/l	4.75	10,844.03	3.394E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	2126.908	ug/l	0.91	8,617,956.12	2.439E+00	Analog	0.10	3
Ag	107	115	1	0.109	ug/l	18.08	1,113.42	2.848E-04	Pulse	0.10	3
Cd	111	115	1	1.535	ug/l	7.36	3,053.68	7.807E-04	Pulse	0.25	3
Cd	111	115	2	0.712	ug/l	2.07	672.03	5.937E-04	Pulse	0.25	3
Sn	117	115	1	0.220	ug/l	31.82	510.03	1.300E-04	Pulse	0.10	3
Sn	118	115	1	0.226	ug/l	18.35	1,646.82	4.201E-04	Pulse	0.10	3
Sn	118	115	2	0.254	ug/l	11.74	643.37	5.686E-04	Pulse	0.10	3
Sn	119	115	1	0.158	ug/l	34.05	673.38	1.719E-04	Pulse	0.10	3
Sb	121	159	1	0.555	ug/l	2.25	4,110.71	6.819E-04	Pulse	0.10	3
Ba	137	159	1	0.199	ug/l	28.37	1,486.81	2.462E-04	Pulse	0.10	3
Tl	205	209	1	0.109	ug/l	2.50	2,110.25	6.848E-04	Pulse	0.10	3
Pb	208	209	1	0.187	ug/l	4.00	4,883.88	1.585E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,606,748.84	0.78	91.0	Analog	0.10	3
1	Sc	45	3,196,751.31	2.63	93.8	Analog	0.10	3
2	Sc	45	187,893.96	0.55	97.4	Pulse	0.10	3
3	Sc	45	289,837.38	1.47	96.6	Pulse	0.10	3
1	Ge	72	626,062.60	1.85	92.9	Pulse	0.10	3
2	Ge	72	107,640.69	1.11	93.1	Pulse	0.10	3
3	Ge	72	135,751.07	0.24	91.8	Pulse	0.10	3
1	Rh	103	3,533,901.72	3.30	86.1	Analog	0.10	3
2	Rh	103	2,207,954.60	0.94	86.0	Analog	0.10	3
1	In	115	3,906,215.74	3.40	92.6	Analog	0.10	3
2	In	115	1,131,886.76	0.74	93.1	Pulse	0.10	3
1	Tb	159	6,026,830.95	2.32	100.5	Analog	0.10	3
2	Tb	159	3,866,915.46	0.84	97.5	Analog	0.10	3
1	Ho	165	5,691,386.58	2.55	101.5	Analog	0.10	3
2	Ho	165	3,749,397.34	0.80	98.3	Analog	0.10	3
1	Bi	209	3,080,950.16	2.80	94.0	Analog	0.10	3
2	Bi	209	2,278,604.60	1.00	89.4	Analog	0.10	3

Quantitation Report

File Name	021SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 16:13
Sample Name	ICSAB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.029	ug/l	136.44	158.67	1.038E-04	Pulse	0.25	3
B	11	6	1	1.031	ug/l	10.73	4,767.43	3.119E-03	Pulse	0.15	3
Na	23	45	1	91917.557	ug/l	0.67	1,063,793,184.15	3.288E+02	Analog	0.10	3
Na	23	45	2	96731.774	ug/l	0.39	42,112,374.37	2.292E+02	Analog	0.20	3
Mg	24	45	1	93617.740	ug/l	1.54	738,649,775.66	2.283E+02	Analog	0.10	3
Mg	24	45	2	96426.371	ug/l	0.88	21,832,183.84	1.188E+02	Analog	0.20	3
Al	27	45	1	91690.255	ug/l	0.93	978,811,425.42	3.025E+02	Analog	0.10	3
Al	27	45	2	93362.376	ug/l	0.66	8,282,325.29	4.508E+01	Analog	0.20	3
K	39	45	1	91931.190	ug/l	0.87	1,384,287,446.04	4.279E+02	Analog	0.10	3
K	39	45	2	93405.175	ug/l	0.53	23,049,206.33	1.255E+02	Analog	0.20	3
Ca	43	45	1	90997.422	ug/l	1.05	2,732,413.78	8.445E-01	Analog	1.50	3
Ca	43	45	2	94167.925	ug/l	0.52	73,273.41	3.988E-01	Pulse	1.50	3
Ca	44	45	1	93959.022	ug/l	1.78	44,278,297.67	1.368E+01	Analog	0.10	3
Ca	44	45	2	93719.013	ug/l	0.64	1,267,418.65	6.899E+00	Pulse	0.20	3
Ti	47	45	1	1894.325	ug/l	0.93	2,558,663.03	7.909E-01	Analog	0.10	3
Ti	47	45	2	1921.080	ug/l	0.46	178,458.78	9.714E-01	Pulse	0.20	3
V	51	45	2	0.201	ug/l	9.92	846.70	4.609E-03	Pulse	0.20	3
Cr	52	45	2	21.015	ug/l	0.54	73,963.00	4.026E-01	Pulse	0.20	3
Mn	55	45	2	20.321	ug/l	2.11	37,955.55	2.066E-01	Pulse	0.20	3
Fe	56	45	2	95171.095	ug/l	0.70	258,513,396.15	1.407E+03	Analog	0.20	3
Co	59	45	2	19.193	ug/l	0.85	97,404.05	5.302E-01	Pulse	0.20	3
Ni	60	45	2	18.820	ug/l	2.68	25,348.11	1.380E-01	Pulse	0.20	3
Cu	63	45	2	18.045	ug/l	0.99	63,328.44	3.447E-01	Pulse	0.20	3
Cu	65	45	2	18.031	ug/l	0.84	31,361.90	1.707E-01	Pulse	0.20	3
Zn	66	45	2	19.648	ug/l	3.56	11,610.99	6.320E-02	Pulse	0.20	3
As	75	45	2	19.886	ug/l	2.80	7,633.84	4.155E-02	Pulse	0.50	3
Se	78	45	2	-0.095	ug/l	-137.49	20.00	1.089E-04	Pulse	1.00	3
Se	78	45	3	0.084	ug/l	31.97	9.67	3.301E-05	Pulse	1.00	3
Sr	88	45	1	0.394	ug/l	6.57	10,613.96	3.282E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	2040.074	ug/l	1.80	8,513,267.16	2.339E+00	Analog	0.10	3
Ag	107	115	1	19.503	ug/l	1.25	187,025.77	4.602E-02	Pulse	0.10	3
Cd	111	115	1	21.789	ug/l	0.49	44,848.86	1.104E-02	Pulse	0.25	3
Cd	111	115	2	20.465	ug/l	0.54	19,019.66	1.701E-02	Pulse	0.25	3
Sn	117	115	1	0.198	ug/l	37.69	483.36	1.193E-04	Pulse	0.10	3
Sn	118	115	1	0.210	ug/l	13.78	1,600.16	3.941E-04	Pulse	0.10	3
Sn	118	115	2	0.190	ug/l	10.51	496.69	4.441E-04	Pulse	0.10	3
Sn	119	115	1	0.140	ug/l	12.26	656.71	1.617E-04	Pulse	0.10	3
Sb	121	159	1	0.458	ug/l	2.56	3,587.23	5.724E-04	Pulse	0.10	3
Ba	137	159	1	0.164	ug/l	31.56	1,420.12	2.267E-04	Pulse	0.10	3
Tl	205	209	1	0.078	ug/l	49.96	1,683.64	5.259E-04	Pulse	0.10	3
Pb	208	209	1	0.162	ug/l	9.48	4,530.51	1.411E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,528,478.98	1.10	86.5	Analog	0.10	3
1	Sc	45	3,235,158.80	1.25	94.9	Analog	0.10	3
2	Sc	45	183,717.49	0.55	95.3	Pulse	0.10	3
3	Sc	45	293,134.39	0.61	97.7	Pulse	0.10	3
1	Ge	72	633,652.00	1.77	94.0	Pulse	0.10	3
2	Ge	72	104,709.30	0.38	90.6	Pulse	0.10	3
3	Ge	72	138,679.30	1.15	93.8	Pulse	0.10	3
1	Rh	103	3,639,011.93	1.67	88.7	Analog	0.10	3
2	Rh	103	2,210,864.65	0.70	86.1	Analog	0.10	3
1	In	115	4,063,155.56	1.59	96.3	Analog	0.10	3
2	In	115	1,118,083.08	0.75	91.9	Pulse	0.10	3
1	Tb	159	6,268,204.28	0.94	104.5	Analog	0.10	3
2	Tb	159	3,900,286.82	0.48	98.3	Analog	0.10	3
1	Ho	165	5,937,739.91	1.50	105.8	Analog	0.10	3
2	Ho	165	3,772,985.57	0.62	99.0	Analog	0.10	3
1	Bi	209	3,212,156.41	1.49	98.0	Analog	0.10	3
2	Bi	209	2,326,791.01	0.64	91.3	Analog	0.10	3

Quantitation Report

File Name	022SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 16:18
Sample Name	mp68732-mb1conf
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.077	ug/l	-37.16	48.00	3.110E-05	Pulse	0.25	3
B	11	6	1	1.673	ug/l	29.84	3,438.24	2.229E-03	Pulse	0.15	3
Na	23	45	1	1448.410	ug/l	6.14	3,268,724.33	1.105E+00	Analog	0.10	3
Na	23	45	2	1051.387	ug/l	5.84	91,757.53	5.431E-01	Pulse	0.20	3
Mg	24	45	1	1472.753	ug/l	7.22	2,125,982.62	7.190E-01	Analog	0.10	3
Mg	24	45	2	1032.667	ug/l	6.89	43,059.20	2.549E-01	Pulse	0.20	3
Al	27	45	1	1435.775	ug/l	6.39	2,805,162.09	9.487E-01	Analog	0.10	3
Al	27	45	2	997.258	ug/l	5.98	16,316.60	9.656E-02	Pulse	0.20	3
K	39	45	1	1396.188	ug/l	6.62	4,818,811.49	1.630E+00	Analog	0.10	3
K	39	45	2	1003.056	ug/l	5.91	53,198.90	3.149E-01	Pulse	0.20	3
Ca	43	45	1	1441.216	ug/l	6.24	8,001.05	2.706E-03	Pulse	1.50	3
Ca	43	45	2	989.944	ug/l	6.33	142.44	8.432E-04	Pulse	1.50	3
Ca	44	45	1	1531.338	ug/l	6.54	133,957.99	4.531E-02	Pulse	0.10	3
Ca	44	45	2	1077.896	ug/l	4.56	2,706.95	1.602E-02	Pulse	0.20	3
Ti	47	45	1	30.409	ug/l	3.13	7,558.77	2.556E-03	Pulse	0.10	3
Ti	47	45	2	22.830	ug/l	6.88	390.01	2.309E-03	Pulse	0.20	3
V	51	45	2	-0.162	ug/l	-22.48	196.67	1.163E-03	Pulse	0.20	3
Cr	52	45	2	1.951	ug/l	10.05	3,763.84	2.227E-02	Pulse	0.20	3
Mn	55	45	2	0.532	ug/l	24.81	193.34	1.142E-03	Pulse	0.20	3
Fe	56	45	2	1180.477	ug/l	6.63	591,893.44	3.504E+00	Pulse	0.20	3
Co	59	45	2	0.149	ug/l	25.77	206.67	1.223E-03	Pulse	0.20	3
Ni	60	45	2	0.162	ug/l	74.28	196.67	1.165E-03	Pulse	0.20	3
Cu	63	45	2	1.523	ug/l	18.18	1,051.73	6.225E-03	Pulse	0.20	3
Cu	65	45	2	1.504	ug/l	11.23	533.35	3.153E-03	Pulse	0.20	3
Zn	66	45	2	3.705	ug/l	6.10	491.69	2.910E-03	Pulse	0.20	3
As	75	45	2	0.186	ug/l	29.33	25.33	1.497E-04	Pulse	0.50	3
Se	78	45	2	0.150	ug/l	347.71	22.33	1.323E-04	Pulse	1.00	3
Se	78	45	3	0.239	ug/l	20.69	6.00	2.123E-05	Pulse	1.00	3
Sr	88	45	1	0.105	ug/l	13.77	906.74	3.066E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	34.432	ug/l	5.47	30,864.48	7.929E-03	Pulse	0.10	3
Ag	107	115	1	0.270	ug/l	18.15	646.70	1.539E-04	Pulse	0.10	3
Cd	111	115	1	0.179	ug/l	22.45	90.67	2.157E-05	Pulse	0.25	3
Cd	111	115	2	0.272	ug/l	18.97	54.67	4.739E-05	Pulse	0.25	3
Sn	117	115	1	10.397	ug/l	6.28	4,387.48	1.043E-03	Pulse	0.10	3
Sn	118	115	1	10.273	ug/l	0.58	13,833.31	3.289E-03	Pulse	0.10	3
Sn	118	115	2	9.786	ug/l	5.18	4,500.81	3.904E-03	Pulse	0.10	3
Sn	119	115	1	9.913	ug/l	6.36	5,071.03	1.205E-03	Pulse	0.10	3
Sb	121	159	1	0.325	ug/l	24.29	780.05	1.260E-04	Pulse	0.10	3
Ba	137	159	1	-0.018	ug/l	-987.62	813.39	1.313E-04	Pulse	0.10	3
Tl	205	209	1	0.143	ug/l	16.50	956.73	2.756E-04	Pulse	0.10	3
Pb	208	209	1	0.067	ug/l	19.16	1,300.07	3.744E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,542,890.32	0.34	87.3	Analog	0.10	3
1	Sc	45	2,957,197.77	0.32	86.8	Analog	0.10	3
2	Sc	45	169,014.10	1.18	87.6	Pulse	0.10	3
3	Sc	45	282,212.64	1.88	94.1	Pulse	0.10	3
1	Ge	72	618,843.43	0.36	91.8	Pulse	0.10	3
2	Ge	72	104,893.38	0.24	90.7	Pulse	0.10	3
3	Ge	72	140,078.71	1.21	94.7	Pulse	0.10	3
1	Rh	103	3,892,997.13	0.96	94.9	Analog	0.10	3
2	Rh	103	2,389,481.79	0.70	93.0	Analog	0.10	3
1	In	115	4,205,858.98	0.87	99.7	Analog	0.10	3
2	In	115	1,152,989.27	0.40	94.8	Pulse	0.10	3
1	Tb	159	6,196,404.07	0.90	103.3	Analog	0.10	3
2	Tb	159	3,892,507.55	0.56	98.1	Analog	0.10	3
1	Ho	165	5,832,955.54	0.45	104.0	Analog	0.10	3
2	Ho	165	3,786,324.63	0.38	99.3	Analog	0.10	3
1	Bi	209	3,473,239.53	0.84	105.9	Analog	0.10	3
2	Bi	209	2,574,212.83	0.44	101.0	Analog	0.10	3

Quantitation Report

File Name	023SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 16:23
Sample Name	mp68732-b1 2
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	103.528	ug/l	1.85	10,810.23	6.782E-03	Pulse	0.25	3
B	11	6	1	15.306	ug/l	15.76	4,118.40	2.584E-03	Pulse	0.15	3
Na	23	45	1	2383.570	ug/l	4.20	1,250,061.80	4.104E-01	Analog	0.10	3
Na	23	45	2	1945.394	ug/l	4.32	39,468.72	2.293E-01	Pulse	0.20	3
Mg	24	45	1	2399.414	ug/l	5.05	715,026.47	2.348E-01	Pulse	0.10	3
Mg	24	45	2	1800.764	ug/l	4.65	15,343.98	8.913E-02	Pulse	0.20	3
Al	27	45	1	6228.932	ug/l	1.29	2,507,784.34	8.233E-01	Analog	0.10	3
Al	27	45	2	5596.292	ug/l	3.94	18,652.28	1.083E-01	Pulse	0.20	3
K	39	45	1	2189.985	ug/l	4.08	2,249,177.41	7.385E-01	Analog	0.10	3
K	39	45	2	1874.206	ug/l	0.97	25,166.08	1.462E-01	Pulse	0.20	3
Ca	43	45	1	2581.479	ug/l	5.21	3,012.73	9.892E-04	Pulse	1.50	3
Ca	43	45	2	2212.441	ug/l	3.09	65.33	3.795E-04	Pulse	1.50	3
Ca	44	45	1	2698.225	ug/l	6.05	50,004.19	1.642E-02	Pulse	0.10	3
Ca	44	45	2	1986.254	ug/l	8.29	1,031.73	5.996E-03	Pulse	0.20	3
Ti	47	45	1	53.533	ug/l	10.59	2,773.68	9.111E-04	Pulse	0.10	3
Ti	47	45	2	42.631	ug/l	11.28	148.33	8.622E-04	Pulse	0.20	3
V	51	45	2	1059.329	ug/l	1.37	108,163.19	6.283E-01	Pulse	0.20	3
Cr	52	45	2	444.805	ug/l	2.15	59,071.62	3.432E-01	Pulse	0.20	3
Mn	55	45	2	1089.390	ug/l	0.89	76,256.92	4.430E-01	Pulse	0.20	3
Fe	56	45	2	4937.239	ug/l	1.37	504,883.35	2.933E+00	Pulse	0.20	3
Co	59	45	2	1067.229	ug/l	1.15	202,914.52	1.179E+00	Pulse	0.20	3
Ni	60	45	2	1075.727	ug/l	1.30	54,100.33	3.143E-01	Pulse	0.20	3
Cu	63	45	2	553.775	ug/l	1.52	72,825.79	4.231E-01	Pulse	0.20	3
Cu	65	45	2	557.209	ug/l	1.23	36,312.10	2.109E-01	Pulse	0.20	3
Zn	66	45	2	1169.885	ug/l	1.14	25,780.50	1.498E-01	Pulse	0.20	3
As	75	45	2	4433.144	ug/l	1.13	63,682.18	3.699E-01	Pulse	0.50	3
Se	78	45	2	4443.405	ug/l	0.33	5,753.37	3.342E-02	Pulse	1.00	3
Se	78	45	3	4490.488	ug/l	1.48	17,124.00	5.894E-02	Pulse	1.00	3
Sr	88	45	1	0.994	ug/l	9.39	1,390.12	4.565E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	66.140	ug/l	1.55	12,261.90	3.067E-03	Pulse	0.10	3
Ag	107	115	1	107.924	ug/l	1.08	43,961.96	1.021E-02	Pulse	0.10	3
Cd	111	115	1	111.180	ug/l	1.65	9,713.79	2.256E-03	Pulse	0.25	3
Cd	111	115	2	112.142	ug/l	4.75	4,354.01	3.730E-03	Pulse	0.25	3
Sn	117	115	1	35.729	ug/l	6.90	3,117.11	7.240E-04	Pulse	0.10	3
Sn	118	115	1	34.565	ug/l	4.85	9,623.34	2.235E-03	Pulse	0.10	3
Sn	118	115	2	34.529	ug/l	2.31	3,240.45	2.776E-03	Pulse	0.10	3
Sn	119	115	1	34.455	ug/l	1.36	3,717.26	8.631E-04	Pulse	0.10	3
Sb	121	159	1	1248.128	ug/l	1.06	360,541.48	5.670E-02	Pulse	0.10	3
Ba	137	159	1	4216.754	ug/l	1.19	610,538.99	9.600E-02	Pulse	0.10	3
Tl	205	209	1	3824.686	ug/l	1.15	2,775,931.21	7.813E-01	Analog	0.10	3
Pb	208	209	1	1087.500	ug/l	0.15	1,078,381.79	3.035E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,593,944.80	0.26	90.2	Analog	0.10	3
1	Sc	45	3,046,041.83	0.77	89.4	Analog	0.10	3
2	Sc	45	172,156.10	0.99	89.3	Pulse	0.10	3
3	Sc	45	290,567.16	1.19	96.8	Pulse	0.10	3
1	Ge	72	632,005.29	0.68	93.8	Pulse	0.10	3
2	Ge	72	108,002.79	1.20	93.4	Pulse	0.10	3
3	Ge	72	145,578.40	0.42	98.4	Pulse	0.10	3
1	Rh	103	3,998,392.96	0.63	97.4	Analog	0.10	3
2	Rh	103	2,450,666.89	0.59	95.4	Analog	0.10	3
1	In	115	4,306,889.79	0.76	102.1	Analog	0.10	3
2	In	115	1,167,337.87	0.53	96.0	Pulse	0.10	3
1	Tb	159	6,359,332.40	0.81	106.0	Analog	0.10	3
2	Tb	159	3,990,517.55	0.33	100.6	Analog	0.10	3
1	Ho	165	5,980,825.75	0.84	106.6	Analog	0.10	3
2	Ho	165	3,873,437.96	0.71	101.6	Analog	0.10	3
1	Bi	209	3,552,970.05	0.79	108.4	Analog	0.10	3
2	Bi	209	2,634,831.63	0.36	103.3	Analog	0.10	3

Quantitation Report

File Name	024SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 16:29
Sample Name	mp68732-s1
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	140.143	ug/l	3.80	14,496.98	9.161E-03	Pulse	0.25	3
B	11	6	1	56.473	ug/l	6.71	7,428.47	4.689E-03	Pulse	0.15	3
Na	23	45	1	3652.661	ug/l	1.70	1,965,829.08	5.920E-01	Analog	0.10	3
Na	23	45	2	3657.048	ug/l	1.37	76,158.69	3.915E-01	Pulse	0.20	3
Mg	24	45	1	101708.950	ug/l	0.81	32,949,482.84	9.922E+00	Analog	0.10	3
Mg	24	45	2	101510.978	ug/l	1.42	973,508.97	5.005E+00	Pulse	0.20	3
Al	27	45	1	424427.977	ug/l	0.85	186,028,377.23	5.602E+01	Analog	0.10	3
Al	27	45	2	417732.301	ug/l	1.43	1,569,573.99	8.069E+00	Analog	0.20	3
K	39	45	1	76922.010	ug/l	1.04	48,618,634.27	1.464E+01	Analog	0.10	3
K	39	45	2	74505.406	ug/l	1.71	787,251.89	4.047E+00	Pulse	0.20	3
Ca	43	45	1	13566.597	ug/l	1.04	16,828.21	5.067E-03	Pulse	1.50	3
Ca	43	45	2	14337.554	ug/l	8.67	473.34	2.434E-03	Pulse	1.50	3
Ca	44	45	1	14197.328	ug/l	1.19	277,005.97	8.341E-02	Pulse	0.10	3
Ca	44	45	2	13571.012	ug/l	1.07	7,801.99	4.011E-02	Pulse	0.20	3
Ti	47	45	1	9407.385	ug/l	0.48	521,772.51	1.571E-01	Pulse	0.10	3
Ti	47	45	2	9159.510	ug/l	1.64	36,039.21	1.853E-01	Pulse	0.20	3
V	51	45	2	1806.200	ug/l	1.33	208,177.00	1.070E+00	Pulse	0.20	3
Cr	52	45	2	1119.307	ug/l	2.04	163,532.82	8.407E-01	Pulse	0.20	3
Mn	55	45	2	4693.661	ug/l	1.33	371,226.10	1.908E+00	Pulse	0.20	3
Fe	56	45	2	381865.979	ug/l	1.19	43,935,184.35	2.259E+02	Analog	0.20	3
Co	59	45	2	1219.491	ug/l	1.76	261,994.40	1.347E+00	Pulse	0.20	3
Ni	60	45	2	1446.996	ug/l	2.49	82,167.21	4.224E-01	Pulse	0.20	3
Cu	63	45	2	677.499	ug/l	1.59	100,662.60	5.175E-01	Pulse	0.20	3
Cu	65	45	2	684.240	ug/l	2.39	50,370.64	2.590E-01	Pulse	0.20	3
Zn	66	45	2	1892.949	ug/l	2.26	47,071.13	2.420E-01	Pulse	0.20	3
As	75	45	2	4521.797	ug/l	1.99	73,398.47	3.773E-01	Pulse	0.50	3
Se	78	45	2	4459.272	ug/l	0.68	6,524.32	3.354E-02	Pulse	1.00	3
Se	78	45	3	4413.959	ug/l	0.08	18,687.70	5.793E-02	Pulse	1.00	3
Sr	88	45	1	291.393	ug/l	0.98	309,277.07	9.313E-02	Pulse	0.10	3
Mo	95	103	1	23.426	ug/l	4.01	4,527.51	1.108E-03	Pulse	0.10	3
Ag	107	115	1	119.851	ug/l	2.17	50,043.06	1.133E-02	Pulse	0.10	3
Cd	111	115	1	121.314	ug/l	0.82	10,865.18	2.461E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	115.061	ug/l	4.26	4,683.43	3.828E-03	Pulse	0.25	3
Sn	117	115	1	49.575	ug/l	7.40	4,400.83	9.960E-04	Pulse	0.10	3
Sn	118	115	1	48.368	ug/l	4.29	13,693.15	3.101E-03	Pulse	0.10	3
Sn	118	115	2	47.976	ug/l	6.09	4,687.56	3.829E-03	Pulse	0.10	3
Sn	119	115	1	48.276	ug/l	4.63	5,194.39	1.176E-03	Pulse	0.10	3
Sb	121	159	1	682.583	ug/l	0.45	203,784.27	3.103E-02	Pulse	0.10	3
Ba	137	159	1	7953.457	ug/l	0.65	1,188,320.30	1.810E-01	Pulse	0.10	3
Tl	205	209	1	4330.872	ug/l	1.26	3,174,563.29	8.846E-01	Analog	0.10	3
Pb	208	209	1	1514.711	ug/l	0.90	1,516,432.65	4.226E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,583,359.61	2.38	89.6	Analog	0.10	3
1	Sc	45	3,321,168.49	1.56	97.5	Analog	0.10	3
2	Sc	45	194,541.36	0.89	100.9	Pulse	0.10	3
3	Sc	45	322,572.85	0.57	107.5	Pulse	0.10	3
1	Ge	72	660,304.75	0.64	98.0	Pulse	0.10	3
2	Ge	72	116,014.30	1.32	100.3	Pulse	0.10	3
3	Ge	72	154,071.81	0.43	104.2	Pulse	0.10	3
1	Rh	103	4,088,612.54	1.14	99.6	Analog	0.10	3
2	Rh	103	2,574,450.74	0.13	100.2	Analog	0.10	3
1	In	115	4,415,545.10	1.47	104.7	Analog	0.10	3
2	In	115	1,223,964.82	1.05	100.7	Pulse	0.10	3
1	Tb	159	6,567,141.36	1.29	109.5	Analog	0.10	3
2	Tb	159	4,193,670.46	0.72	105.7	Analog	0.10	3
1	Ho	165	6,181,559.70	0.99	110.2	Analog	0.10	3
2	Ho	165	4,066,970.56	0.85	106.7	Analog	0.10	3
1	Bi	209	3,588,265.47	1.03	109.5	Analog	0.10	3
2	Bi	209	2,689,185.07	0.45	105.5	Analog	0.10	3

Quantitation Report

File Name	025SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 16:34
Sample Name	mp68732-s2
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	136.733	ug/l	0.48	14,375.54	8.939E-03	Pulse	0.25	3
B	11	6	1	51.309	ug/l	5.60	7,115.02	4.425E-03	Pulse	0.15	3
Na	23	45	1	2972.566	ug/l	0.77	1,681,981.28	4.947E-01	Analog	0.10	3
Na	23	45	2	3111.511	ug/l	2.77	65,733.39	3.398E-01	Pulse	0.20	3
Mg	24	45	1	96037.993	ug/l	0.65	31,853,626.19	9.369E+00	Analog	0.10	3
Mg	24	45	2	99191.277	ug/l	0.30	946,034.70	4.890E+00	Pulse	0.20	3
Al	27	45	1	400122.606	ug/l	0.87	179,552,877.32	5.281E+01	Analog	0.10	3
Al	27	45	2	403483.959	ug/l	0.99	1,507,648.05	7.794E+00	Analog	0.20	3
K	39	45	1	74431.937	ug/l	0.29	48,202,332.61	1.418E+01	Analog	0.10	3
K	39	45	2	73432.055	ug/l	0.74	771,779.65	3.989E+00	Pulse	0.20	3
Ca	43	45	1	10663.555	ug/l	0.56	13,563.93	3.989E-03	Pulse	1.50	3
Ca	43	45	2	11552.493	ug/l	1.57	379.56	1.962E-03	Pulse	1.50	3
Ca	44	45	1	10906.087	ug/l	0.57	218,395.04	6.423E-02	Pulse	0.10	3
Ca	44	45	2	11112.039	ug/l	1.89	6,358.00	3.287E-02	Pulse	0.20	3
Ti	47	45	1	9058.578	ug/l	0.23	514,372.99	1.513E-01	Pulse	0.10	3
Ti	47	45	2	8931.856	ug/l	1.10	34,950.40	1.806E-01	Pulse	0.20	3
V	51	45	2	1748.259	ug/l	0.49	200,397.45	1.036E+00	Pulse	0.20	3
Cr	52	45	2	1117.549	ug/l	0.73	162,396.59	8.394E-01	Pulse	0.20	3
Mn	55	45	2	4526.530	ug/l	0.59	356,039.93	1.840E+00	Pulse	0.20	3
Fe	56	45	2	376482.106	ug/l	0.58	43,076,192.69	2.227E+02	Analog	0.20	3
Co	59	45	2	1194.977	ug/l	0.70	255,330.35	1.320E+00	Pulse	0.20	3
Ni	60	45	2	1410.282	ug/l	0.20	79,653.52	4.117E-01	Pulse	0.20	3
Cu	63	45	2	669.613	ug/l	1.39	98,940.64	5.115E-01	Pulse	0.20	3
Cu	65	45	2	659.994	ug/l	1.02	48,324.45	2.498E-01	Pulse	0.20	3
Zn	66	45	2	1861.719	ug/l	1.26	46,039.73	2.380E-01	Pulse	0.20	3
As	75	45	2	4412.404	ug/l	1.13	71,227.60	3.682E-01	Pulse	0.50	3
Se	78	45	2	4406.490	ug/l	0.61	6,411.61	3.314E-02	Pulse	1.00	3
Se	78	45	3	4415.689	ug/l	0.47	18,572.25	5.796E-02	Pulse	1.00	3
Sr	88	45	1	257.901	ug/l	0.59	280,298.45	8.244E-02	Pulse	0.10	3
Mo	95	103	1	13.853	ug/l	3.71	2,803.69	6.686E-04	Pulse	0.10	3
Ag	107	115	1	118.733	ug/l	0.26	50,581.64	1.123E-02	Pulse	0.10	3
Cd	111	115	1	115.020	ug/l	1.59	10,512.95	2.333E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	114.481	ug/l	2.58	4,672.75	3.808E-03	Pulse	0.25	3
Sn	117	115	1	45.033	ug/l	7.92	4,084.05	9.068E-04	Pulse	0.10	3
Sn	118	115	1	45.593	ug/l	4.45	13,182.69	2.927E-03	Pulse	0.10	3
Sn	118	115	2	44.218	ug/l	9.77	4,337.43	3.535E-03	Pulse	0.10	3
Sn	119	115	1	42.803	ug/l	10.13	4,744.27	1.052E-03	Pulse	0.10	3
Sb	121	159	1	619.573	ug/l	0.24	189,828.28	2.817E-02	Pulse	0.10	3
Ba	137	159	1	7708.369	ug/l	0.39	1,181,836.23	1.754E-01	Pulse	0.10	3
Tl	205	209	1	4142.615	ug/l	0.94	3,111,922.56	8.462E-01	Analog	0.10	3
Pb	208	209	1	1470.314	ug/l	0.18	1,508,690.33	4.103E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,608,212.26	1.01	91.0	Analog	0.10	3
1	Sc	45	3,399,972.35	0.31	99.8	Analog	0.10	3
2	Sc	45	193,459.14	0.97	100.3	Pulse	0.10	3
3	Sc	45	320,465.82	1.23	106.8	Pulse	0.10	3
1	Ge	72	678,988.90	0.72	100.8	Pulse	0.10	3
2	Ge	72	114,202.49	1.29	98.8	Pulse	0.10	3
3	Ge	72	153,568.67	1.90	103.8	Pulse	0.10	3
1	Rh	103	4,193,032.85	0.60	102.2	Analog	0.10	3
2	Rh	103	2,576,621.42	0.49	100.3	Analog	0.10	3
1	In	115	4,505,190.79	1.28	106.8	Analog	0.10	3
2	In	115	1,226,948.45	0.39	100.9	Pulse	0.10	3
1	Tb	159	6,738,461.77	1.12	112.3	Analog	0.10	3
2	Tb	159	4,235,264.10	0.60	106.8	Analog	0.10	3
1	Ho	165	6,350,332.41	0.52	113.2	Analog	0.10	3
2	Ho	165	4,092,906.09	0.35	107.4	Analog	0.10	3
1	Bi	209	3,677,470.15	0.86	112.2	Analog	0.10	3
2	Bi	209	2,711,895.69	0.78	106.4	Analog	0.10	3

Quantitation Report

File Name	026SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 16:39
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.017	ug/l	-23.87	45.33	2.861E-05	Pulse	0.25	3
B	11	6	1	0.023	ug/l	361.77	2,904.78	1.831E-03	Pulse	0.15	3
Na	23	45	1	3.801	ug/l	11.39	261,307.37	8.305E-02	Pulse	0.10	3
Na	23	45	2	11.110	ug/l	11.05	12,528.23	7.124E-02	Pulse	0.20	3
Mg	24	45	1	18.652	ug/l	9.96	145,430.30	4.622E-02	Pulse	0.10	3
Mg	24	45	2	21.188	ug/l	4.62	4,654.08	2.647E-02	Pulse	0.20	3
Al	27	45	1	52.117	ug/l	10.06	545,042.78	1.732E-01	Pulse	0.10	3
Al	27	45	2	50.104	ug/l	3.31	4,298.97	2.444E-02	Pulse	0.20	3
K	39	45	1	14.688	ug/l	9.64	1,256,629.36	3.994E-01	Mix	0.10	3
K	39	45	2	19.811	ug/l	12.42	12,685.02	7.212E-02	Pulse	0.20	3
Ca	43	45	1	8.640	ug/l	11.11	349.56	1.111E-04	Pulse	1.50	3
Ca	43	45	2	19.800	ug/l	10.34	15.56	8.850E-05	Pulse	1.50	3
Ca	44	45	1	9.684	ug/l	9.03	6,641.62	2.111E-03	Pulse	0.10	3
Ca	44	45	2	13.822	ug/l	11.71	205.01	1.165E-03	Pulse	0.20	3
Ti	47	45	1	1.047	ug/l	24.41	1,430.13	4.544E-04	Pulse	0.10	3
Ti	47	45	2	1.442	ug/l	21.05	128.33	7.292E-04	Pulse	0.20	3
V	51	45	2	0.189	ug/l	20.74	780.04	4.434E-03	Pulse	0.20	3
Cr	52	45	2	0.305	ug/l	16.98	3,640.46	2.070E-02	Pulse	0.20	3
Mn	55	45	2	0.546	ug/l	17.80	986.72	5.612E-03	Pulse	0.20	3
Fe	56	45	2	56.123	ug/l	5.88	148,194.77	8.427E-01	Pulse	0.20	3
Co	59	45	2	0.130	ug/l	11.69	701.70	3.990E-03	Pulse	0.20	3
Ni	60	45	2	0.160	ug/l	17.87	368.35	2.093E-03	Pulse	0.20	3
Cu	63	45	2	0.112	ug/l	22.18	446.68	2.540E-03	Pulse	0.20	3
Cu	65	45	2	0.072	ug/l	16.29	175.00	9.948E-04	Pulse	0.20	3
Zn	66	45	2	0.131	ug/l	82.10	170.01	9.643E-04	Pulse	0.20	3
As	75	45	2	0.480	ug/l	13.10	188.67	1.073E-03	Pulse	0.50	3
Se	78	45	2	0.578	ug/l	20.74	41.33	2.349E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.506	ug/l	7.65	52.33	1.717E-04	Pulse	1.00	3
Sr	88	45	1	0.027	ug/l	9.29	1,106.75	3.518E-04	Pulse	0.10	3
Mo	95	103	1	0.191	ug/l	17.30	1,053.42	2.523E-04	Pulse	0.10	3
Ag	107	115	1	0.013	ug/l	32.30	260.01	5.802E-05	Pulse	0.10	3
Cd	111	115	1	0.018	ug/l	25.90	56.00	1.250E-05	Pulse	0.25	3
Cd	111	115	2	0.032	ug/l	19.40	34.67	2.893E-05	Pulse	0.25	3
Sn	117	115	1	0.038	ug/l	6.46	183.34	4.092E-05	Pulse	0.10	3
Sn	118	115	1	0.052	ug/l	18.16	653.37	1.458E-04	Pulse	0.10	3
Sn	118	115	2	0.067	ug/l	45.10	243.35	2.032E-04	Pulse	0.10	3
Sn	119	115	1	-0.036	ug/l	-111.78	276.68	6.176E-05	Pulse	0.10	3
Sb	121	159	1	0.137	ug/l	4.27	1,363.44	2.077E-04	Pulse	0.10	3
Ba	137	159	1	0.764	ug/l	13.45	3,723.95	5.677E-04	Pulse	0.10	3
Tl	205	209	1	1.074	ug/l	2.13	20,388.18	5.615E-03	Pulse	0.10	3
Pb	208	209	1	0.151	ug/l	8.43	4,840.52	1.333E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,586,542.10	0.76	89.8	Analog	0.10	3
1	Sc	45	3,146,376.10	0.23	92.3	Analog	0.10	3
2	Sc	45	175,891.24	1.05	91.2	Pulse	0.10	3
3	Sc	45	304,697.14	0.58	101.6	Pulse	0.10	3
1	Ge	72	655,715.49	0.20	97.3	Pulse	0.10	3
2	Ge	72	109,225.01	0.48	94.5	Pulse	0.10	3
3	Ge	72	150,668.70	1.07	101.9	Pulse	0.10	3
1	Rh	103	4,173,367.54	0.59	101.7	Analog	0.10	3
2	Rh	103	2,524,969.60	0.68	98.3	Analog	0.10	3
1	In	115	4,480,479.02	0.21	106.2	Analog	0.10	3
2	In	115	1,198,616.26	0.81	98.6	Pulse	0.10	3
1	Tb	159	6,563,307.82	1.13	109.4	Analog	0.10	3
2	Tb	159	4,057,745.88	0.21	102.3	Analog	0.10	3
1	Ho	165	6,191,723.03	0.99	110.4	Analog	0.10	3
2	Ho	165	3,938,919.21	0.62	103.3	Analog	0.10	3
1	Bi	209	3,630,999.63	0.29	110.8	Analog	0.10	3
2	Bi	209	2,662,503.08	0.72	104.4	Analog	0.10	3

Quantitation Report

File Name	027SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 16:44
Sample Name	f99818-1
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	17.186	ug/l	6.04	4,480.65	2.847E-03	Pulse	0.25	3
B	11	6	1	25.030	ug/l	5.47	7,866.46	5.001E-03	Pulse	0.15	3
Na	23	45	1	2155.150	ug/l	1.05	2,947,820.06	8.402E-01	Analog	0.10	3
Na	23	45	2	2284.337	ug/l	1.70	118,300.02	5.861E-01	Pulse	0.20	3
Mg	24	45	1	79271.614	ug/l	0.65	67,823,713.99	1.933E+01	Analog	0.10	3
Mg	24	45	2	81669.189	ug/l	0.34	2,031,653.72	1.007E+01	Analog	0.20	3
Al	27	45	1	294572.557	ug/l	0.89	340,995,621.59	9.720E+01	Analog	0.10	3
Al	27	45	2	297332.105	ug/l	0.79	2,897,946.73	1.436E+01	Analog	0.20	3
K	39	45	1	53206.089	ug/l	0.90	87,972,205.36	2.508E+01	Analog	0.10	3
K	39	45	2	51747.420	ug/l	0.57	1,411,650.61	6.994E+00	Analog	0.20	3
Ca	43	45	1	9086.085	ug/l	0.54	29,691.93	8.463E-03	Pulse	1.50	3
Ca	43	45	2	9565.045	ug/l	3.89	818.69	4.056E-03	Pulse	1.50	3
Ca	44	45	1	9380.780	ug/l	0.47	481,761.79	1.373E-01	Pulse	0.10	3
Ca	44	45	2	9296.168	ug/l	3.74	13,844.33	6.858E-02	Pulse	0.20	3
Ti	47	45	1	6653.155	ug/l	0.55	974,513.16	2.778E-01	Pulse	0.10	3
Ti	47	45	2	6441.639	ug/l	2.11	65,739.60	3.257E-01	Pulse	0.20	3
V	51	45	2	598.250	ug/l	1.42	178,913.17	8.864E-01	Pulse	0.20	3
Cr	52	45	2	571.623	ug/l	0.76	215,800.85	1.069E+00	Pulse	0.20	3
Mn	55	45	2	3031.847	ug/l	0.69	622,011.61	3.082E+00	Pulse	0.20	3
Fe	56	45	2	327703.452	ug/l	0.75	97,798,465.21	4.845E+02	Analog	0.20	3
Co	59	45	2	111.596	ug/l	1.45	62,252.47	3.084E-01	Pulse	0.20	3
Ni	60	45	2	320.440	ug/l	1.17	47,286.32	2.343E-01	Pulse	0.20	3
Cu	63	45	2	115.190	ug/l	0.31	44,445.35	2.202E-01	Pulse	0.20	3
Cu	65	45	2	115.873	ug/l	1.18	22,163.55	1.098E-01	Pulse	0.20	3
Zn	66	45	2	673.462	ug/l	1.70	43,454.45	2.153E-01	Pulse	0.20	3
As	75	45	2	53.964	ug/l	3.09	2,286.85	1.133E-02	Pulse	0.50	3
Se	78	45	2	18.982	ug/l	0.64	97.33	4.822E-04	Pulse	1.00	3
Se	78	45	3	5.531	ug/l	7.97	62.67	1.870E-04	Pulse	1.00	3
Sr	88	45	1	217.277	ug/l	0.52	608,635.28	1.735E-01	Pulse	0.10	3
Mo	95	103	1	3.152	ug/l	11.24	1,653.48	3.947E-04	Pulse	0.10	3
Ag	107	115	1	0.143	ug/l	32.24	273.35	6.042E-05	Pulse	0.10	3
Cd	111	115	1	0.322	ug/l	56.22	89.33	1.979E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.196	ug/l	61.32	22.67	1.850E-05	Pulse	0.25	3
Sn	117	115	1	41.731	ug/l	2.72	9,366.45	2.072E-03	Pulse	0.10	3
Sn	118	115	1	40.674	ug/l	2.22	29,151.07	6.448E-03	Pulse	0.10	3
Sn	118	115	2	40.988	ug/l	4.70	9,926.88	8.098E-03	Pulse	0.10	3
Sn	119	115	1	41.598	ug/l	4.64	11,027.60	2.439E-03	Pulse	0.10	3
Sb	121	159	1	1.545	ug/l	5.35	1,550.14	2.275E-04	Pulse	0.10	3
Ba	137	159	1	2300.033	ug/l	0.52	891,902.77	1.309E-01	Pulse	0.10	3
Tl	205	209	1	7.637	ug/l	6.01	15,014.96	4.029E-03	Pulse	0.10	3
Pb	208	209	1	289.187	ug/l	0.84	752,179.59	2.019E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,573,239.35	1.30	89.1	Analog	0.10	3
1	Sc	45	3,508,301.72	0.44	103.0	Analog	0.10	3
2	Sc	45	201,848.15	0.96	104.7	Pulse	0.10	3
3	Sc	45	335,013.81	0.18	111.7	Pulse	0.10	3
1	Ge	72	685,255.80	0.97	101.7	Pulse	0.10	3
2	Ge	72	117,182.51	0.50	101.4	Pulse	0.10	3
3	Ge	72	154,996.71	0.11	104.8	Pulse	0.10	3
1	Rh	103	4,190,538.58	0.53	102.1	Analog	0.10	3
2	Rh	103	2,559,269.18	0.31	99.6	Analog	0.10	3
1	In	115	4,521,241.82	0.56	107.2	Analog	0.10	3
2	In	115	1,225,890.82	0.12	100.8	Pulse	0.10	3
1	Tb	159	6,815,745.11	1.22	113.6	Analog	0.10	3
2	Tb	159	4,252,385.67	0.34	107.2	Analog	0.10	3
1	Ho	165	6,434,458.65	0.76	114.7	Analog	0.10	3
2	Ho	165	4,155,484.11	0.54	109.0	Analog	0.10	3
1	Bi	209	3,726,199.00	1.15	113.7	Analog	0.10	3
2	Bi	209	2,720,418.08	0.46	106.7	Analog	0.10	3

Quantitation Report

File Name	028SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 16:49
Sample Name	mp68732-sd1
Sample Type	Sample
Comment	
Prep Dilution	50.000
Auto Dilution	N/A
Total Dilution	50.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	15.688	ug/l	9.87	992.04	5.657E-04	Pulse	0.25	3
B	11	6	1	5.922	ug/l	28.01	3,422.66	1.952E-03	Pulse	0.15	3
Na	23	45	1	2939.467	ug/l	1.36	953,835.12	2.797E-01	Pulse	0.10	3
Na	23	45	2	3248.347	ug/l	1.03	38,818.52	1.988E-01	Pulse	0.20	3
Mg	24	45	1	83380.011	ug/l	0.32	13,869,503.13	4.067E+00	Analog	0.10	3
Mg	24	45	2	84203.455	ug/l	1.01	405,207.66	2.076E+00	Pulse	0.20	3
Al	27	45	1	307609.807	ug/l	0.13	69,223,245.63	2.030E+01	Analog	0.10	3
Al	27	45	2	307440.559	ug/l	1.50	579,601.61	2.969E+00	Pulse	0.20	3
K	39	45	1	53276.274	ug/l	1.20	18,024,617.65	5.286E+00	Analog	0.10	3
K	39	45	2	53581.842	ug/l	1.53	289,751.43	1.484E+00	Pulse	0.20	3
Ca	43	45	1	8970.671	ug/l	1.58	5,782.34	1.696E-03	Pulse	1.50	3
Ca	43	45	2	9901.768	ug/l	8.83	164.67	8.434E-04	Pulse	1.50	3
Ca	44	45	1	9411.455	ug/l	1.30	95,859.73	2.811E-02	Pulse	0.10	3
Ca	44	45	2	9095.082	ug/l	7.45	2,643.60	1.354E-02	Pulse	0.20	3
Ti	47	45	1	6485.146	ug/l	0.72	184,701.45	5.416E-02	Pulse	0.10	3
Ti	47	45	2	6300.108	ug/l	2.22	12,436.52	6.371E-02	Pulse	0.20	3
V	51	45	2	588.587	ug/l	2.22	34,302.40	1.757E-01	Pulse	0.20	3
Cr	52	45	2	591.724	ug/l	2.49	45,537.64	2.333E-01	Pulse	0.20	3
Mn	55	45	2	3021.981	ug/l	0.47	119,934.29	6.144E-01	Pulse	0.20	3
Fe	56	45	2	324735.218	ug/l	1.32	18,746,682.64	9.604E+01	Analog	0.20	3
Co	59	45	2	108.658	ug/l	1.10	11,787.72	6.039E-02	Pulse	0.20	3
Ni	60	45	2	323.525	ug/l	5.17	9,376.20	4.805E-02	Pulse	0.20	3
Cu	63	45	2	126.357	ug/l	3.13	9,491.26	4.863E-02	Pulse	0.20	3
Cu	65	45	2	124.087	ug/l	2.53	4,639.07	2.376E-02	Pulse	0.20	3
Zn	66	45	2	703.281	ug/l	0.77	8,862.56	4.540E-02	Pulse	0.20	3
As	75	45	2	60.319	ug/l	3.65	505.34	2.588E-03	Pulse	0.50	3
Se	78	45	2	12.217	ug/l	10.33	33.67	1.724E-04	Pulse	1.00	3
Se	78	45	3	5.877	ug/l	57.05	14.33	4.413E-05	Pulse	1.00	3
Sr	88	45	1	214.515	ug/l	1.04	117,182.06	3.437E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	6.448	ug/l	4.71	776.72	1.812E-04	Pulse	0.10	3
Ag	107	115	1	0.293	ug/l	51.86	186.68	4.052E-05	Pulse	0.10	3
Cd	111	115	1	0.287	ug/l	77.19	29.33	6.384E-06	Pulse	0.25	3
Cd	111	115	2	0.253	ug/l	76.97	8.00	6.409E-06	Pulse	0.25	3
Sn	117	115	1	30.830	ug/l	12.52	1,493.47	3.249E-04	Pulse	0.10	3
Sn	118	115	1	29.728	ug/l	2.23	4,590.87	9.979E-04	Pulse	0.10	3
Sn	118	115	2	25.261	ug/l	9.44	1,326.77	1.061E-03	Pulse	0.10	3
Sn	119	115	1	31.618	ug/l	2.36	2,026.90	4.405E-04	Pulse	0.10	3
Sb	121	159	1	1.835	ug/l	21.17	636.70	9.380E-05	Pulse	0.10	3
Ba	137	159	1	2163.820	ug/l	1.29	167,882.87	2.473E-02	Pulse	0.10	3
Tl	205	209	1	14.505	ug/l	5.21	6,001.46	1.611E-03	Pulse	0.10	3
Pb	208	209	1	271.065	ug/l	0.95	141,760.24	3.807E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,752,826.93	0.80	99.2	Analog	0.10	3
1	Sc	45	3,410,001.20	1.58	100.1	Analog	0.10	3
2	Sc	45	195,216.83	1.17	101.2	Pulse	0.10	3
3	Sc	45	325,443.73	0.91	108.5	Pulse	0.10	3
1	Ge	72	693,496.29	0.17	102.9	Pulse	0.10	3
2	Ge	72	118,165.78	2.01	102.2	Pulse	0.10	3
3	Ge	72	157,839.01	0.56	106.7	Pulse	0.10	3
1	Rh	103	4,287,277.12	1.12	104.5	Analog	0.10	3
2	Rh	103	2,653,386.63	0.76	103.3	Analog	0.10	3
1	In	115	4,601,262.43	1.63	109.1	Analog	0.10	3
2	In	115	1,250,912.58	0.66	102.9	Pulse	0.10	3
1	Tb	159	6,788,009.90	0.54	113.2	Analog	0.10	3
2	Tb	159	4,269,115.04	0.44	107.6	Analog	0.10	3
1	Ho	165	6,347,727.82	0.90	113.2	Analog	0.10	3
2	Ho	165	4,143,312.65	0.28	108.7	Analog	0.10	3
1	Bi	209	3,723,912.13	1.84	113.6	Analog	0.10	3
2	Bi	209	2,775,422.87	0.65	108.8	Analog	0.10	3

Quantitation Report

File Name	029SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 16:54
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	54.601	ug/l	1.43	144,847.88	8.874E-02	Pulse	0.25	3
B	11	6	1	56.010	ug/l	1.29	119,837.44	7.341E-02	Pulse	0.15	3
Na	23	45	1	4942.185	ug/l	0.95	57,937,765.80	1.774E+01	Analog	0.10	3
Na	23	45	2	5149.470	ug/l	1.08	2,231,108.35	1.225E+01	Analog	0.20	3
Mg	24	45	1	4903.809	ug/l	0.83	39,047,577.75	1.196E+01	Analog	0.10	3
Mg	24	45	2	5064.171	ug/l	0.68	1,137,244.43	6.242E+00	Pulse	0.20	3
Al	27	45	1	4861.276	ug/l	1.15	52,374,344.22	1.604E+01	Analog	0.10	3
Al	27	45	2	4887.061	ug/l	0.52	430,031.17	2.360E+00	Pulse	0.20	3
K	39	45	1	4936.047	ug/l	0.92	76,032,645.53	2.329E+01	Analog	0.10	3
K	39	45	2	4985.457	ug/l	0.78	1,227,981.47	6.740E+00	Pulse	0.20	3
Ca	43	45	1	4988.224	ug/l	1.14	151,251.28	4.632E-02	Pulse	1.50	3
Ca	43	45	2	5252.873	ug/l	2.78	4,054.28	2.225E-02	Pulse	1.50	3
Ca	44	45	1	5024.231	ug/l	1.73	2,391,401.16	7.324E-01	Analog	0.10	3
Ca	44	45	2	5094.327	ug/l	0.64	68,353.23	3.751E-01	Pulse	0.20	3
Ti	47	45	1	52.894	ug/l	1.49	72,157.68	2.210E-02	Pulse	0.10	3
Ti	47	45	2	54.760	ug/l	4.00	5,044.20	2.769E-02	Pulse	0.20	3
V	51	45	2	52.779	ug/l	0.93	142,527.58	7.822E-01	Pulse	0.20	3
Cr	52	45	2	52.809	ug/l	0.19	180,187.28	9.889E-01	Pulse	0.20	3
Mn	55	45	2	52.932	ug/l	0.44	98,045.36	5.381E-01	Pulse	0.20	3
Fe	56	45	2	5087.710	ug/l	1.01	13,708,288.97	7.524E+01	Analog	0.20	3
Co	59	45	2	51.702	ug/l	0.47	260,105.78	1.428E+00	Pulse	0.20	3
Ni	60	45	2	51.877	ug/l	0.73	69,007.50	3.787E-01	Pulse	0.20	3
Cu	63	45	2	51.574	ug/l	0.69	179,373.21	9.844E-01	Pulse	0.20	3
Cu	65	45	2	52.387	ug/l	0.50	90,259.99	4.954E-01	Pulse	0.20	3
Zn	66	45	2	52.959	ug/l	1.49	30,865.97	1.694E-01	Pulse	0.20	3
As	75	45	2	53.555	ug/l	1.45	20,365.43	1.118E-01	Pulse	0.50	3
Se	78	45	2	52.766	ug/l	0.93	1,824.11	1.001E-02	Pulse	1.00	3
Se	78	45	3	52.829	ug/l	0.35	5,343.23	1.734E-02	Pulse	1.00	3
Sr	88	45	1	56.423	ug/l	1.23	1,470,186.07	4.503E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	53.392	ug/l	1.26	257,691.81	6.125E-02	Pulse	0.10	3
Ag	107	115	1	49.964	ug/l	0.99	537,620.60	1.179E-01	Pulse	0.10	3
Cd	111	115	1	52.813	ug/l	1.40	122,012.79	2.675E-02	Pulse	0.25	3
Cd	111	115	2	53.915	ug/l	1.35	53,083.39	4.481E-02	Pulse	0.25	3
Sn	117	115	1	53.402	ug/l	1.18	119,733.56	2.625E-02	Pulse	0.10	3
Sn	118	115	1	53.569	ug/l	1.26	383,777.98	8.413E-02	Pulse	0.10	3
Sn	118	115	2	53.796	ug/l	1.16	124,869.27	1.054E-01	Pulse	0.10	3
Sn	119	115	1	53.554	ug/l	0.94	138,784.52	3.043E-02	Pulse	0.10	3
Sb	121	159	1	59.203	ug/l	0.70	455,982.48	6.722E-02	Pulse	0.10	3
Ba	137	159	1	51.681	ug/l	0.72	200,158.36	2.951E-02	Pulse	0.10	3
Tl	205	209	1	48.614	ug/l	3.11	921,390.27	2.483E-01	Pulse	0.10	3
Pb	208	209	1	52.997	ug/l	0.44	1,371,511.47	3.697E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,632,373.74	0.12	92.4	Analog	0.10	3
1	Sc	45	3,265,156.31	0.52	95.8	Analog	0.10	3
2	Sc	45	182,211.43	0.80	94.5	Pulse	0.10	3
3	Sc	45	308,161.14	1.38	102.7	Pulse	0.10	3
1	Ge	72	670,990.87	0.38	99.6	Pulse	0.10	3
2	Ge	72	110,241.65	0.54	95.4	Pulse	0.10	3
3	Ge	72	152,517.82	1.05	103.1	Pulse	0.10	3
1	Rh	103	4,207,183.27	0.58	102.5	Analog	0.10	3
2	Rh	103	2,541,116.00	0.67	98.9	Analog	0.10	3
1	In	115	4,561,427.77	0.37	108.2	Analog	0.10	3
2	In	115	1,184,514.68	0.35	97.4	Pulse	0.10	3
1	Tb	159	6,783,367.61	1.09	113.1	Analog	0.10	3
2	Tb	159	4,196,222.54	0.36	105.8	Analog	0.10	3
1	Ho	165	6,435,191.15	1.40	114.7	Analog	0.10	3
2	Ho	165	4,083,260.04	0.26	107.1	Analog	0.10	3
1	Bi	209	3,709,644.74	0.84	113.2	Analog	0.10	3
2	Bi	209	2,718,605.48	0.25	106.6	Analog	0.10	3

Quantitation Report

File Name	030SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 17:00
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.093	ug/l	7.70	326.68	2.072E-04	Pulse	0.25	3
B	11	6	1	0.828	ug/l	8.52	4,509.61	2.859E-03	Pulse	0.15	3
Na	23	45	1	8.416	ug/l	4.96	312,178.76	9.955E-02	Pulse	0.10	3
Na	23	45	2	8.087	ug/l	7.88	11,487.46	6.408E-02	Pulse	0.20	3
Mg	24	45	1	17.949	ug/l	4.57	139,564.51	4.450E-02	Pulse	0.10	3
Mg	24	45	2	13.420	ug/l	11.56	3,030.35	1.689E-02	Pulse	0.20	3
Al	27	45	1	29.433	ug/l	2.60	308,458.09	9.837E-02	Pulse	0.10	3
Al	27	45	2	20.208	ug/l	6.94	1,793.46	1.001E-02	Pulse	0.20	3
K	39	45	1	14.815	ug/l	6.07	1,254,160.60	4.000E-01	Mix	0.10	3
K	39	45	2	13.960	ug/l	6.49	11,522.48	6.426E-02	Pulse	0.20	3
Ca	43	45	1	14.230	ug/l	8.63	511.12	1.630E-04	Pulse	1.50	3
Ca	43	45	2	11.491	ug/l	8.72	9.56	5.330E-05	Pulse	1.50	3
Ca	44	45	1	14.561	ug/l	7.13	8,846.06	2.821E-03	Pulse	0.10	3
Ca	44	45	2	10.237	ug/l	7.96	161.67	9.013E-04	Pulse	0.20	3
Ti	47	45	1	0.517	ug/l	16.74	730.04	2.328E-04	Pulse	0.10	3
Ti	47	45	2	0.422	ug/l	36.48	38.33	2.133E-04	Pulse	0.20	3
V	51	45	2	0.145	ug/l	20.23	680.03	3.793E-03	Pulse	0.20	3
Cr	52	45	2	0.252	ug/l	7.06	3,537.12	1.973E-02	Pulse	0.20	3
Mn	55	45	2	0.215	ug/l	3.00	403.34	2.250E-03	Pulse	0.20	3
Fe	56	45	2	25.087	ug/l	5.07	68,819.17	3.838E-01	Pulse	0.20	3
Co	59	45	2	0.077	ug/l	21.09	453.35	2.525E-03	Pulse	0.20	3
Ni	60	45	2	0.061	ug/l	27.37	246.68	1.376E-03	Pulse	0.20	3
Cu	63	45	2	0.104	ug/l	6.18	428.35	2.389E-03	Pulse	0.20	3
Cu	65	45	2	0.082	ug/l	33.35	195.01	1.086E-03	Pulse	0.20	3
Zn	66	45	2	0.069	ug/l	176.54	138.34	7.691E-04	Pulse	0.20	3
As	75	45	2	0.096	ug/l	15.55	48.67	2.717E-04	Pulse	0.50	3
Se	78	45	2	0.109	ug/l	213.83	26.33	1.472E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.107	ug/l	10.24	12.67	4.075E-05	Pulse	1.00	3
Sr	88	45	1	0.150	ug/l	6.41	4,180.71	1.333E-03	Pulse	0.10	3
Mo	95	103	1	0.238	ug/l	16.34	1,296.78	3.065E-04	Pulse	0.10	3
Ag	107	115	1	0.116	ug/l	20.84	1,376.78	2.997E-04	Pulse	0.10	3
Cd	111	115	1	0.118	ug/l	11.65	290.68	6.328E-05	Pulse	0.25	3
Cd	111	115	2	0.112	ug/l	34.99	116.00	9.501E-05	Pulse	0.25	3
Sn	117	115	1	0.193	ug/l	31.34	536.70	1.168E-04	Pulse	0.10	3
Sn	118	115	1	0.216	ug/l	4.89	1,856.85	4.042E-04	Pulse	0.10	3
Sn	118	115	2	0.214	ug/l	12.53	596.70	4.895E-04	Pulse	0.10	3
Sn	119	115	1	0.115	ug/l	17.30	676.71	1.473E-04	Pulse	0.10	3
Sb	121	159	1	0.191	ug/l	7.60	1,813.52	2.688E-04	Pulse	0.10	3
Ba	137	159	1	0.158	ug/l	17.58	1,506.81	2.233E-04	Pulse	0.10	3
Tl	205	209	1	0.489	ug/l	1.23	9,923.74	2.624E-03	Pulse	0.10	3
Pb	208	209	1	0.116	ug/l	6.77	4,113.73	1.088E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,577,029.57	1.10	89.3	Analog	0.10	3
1	Sc	45	3,135,676.20	0.38	92.0	Analog	0.10	3
2	Sc	45	179,283.50	1.12	93.0	Pulse	0.10	3
3	Sc	45	310,818.68	0.83	103.6	Pulse	0.10	3
1	Ge	72	660,380.04	0.28	98.0	Pulse	0.10	3
2	Ge	72	111,200.55	0.44	96.2	Pulse	0.10	3
3	Ge	72	154,670.87	1.55	104.6	Pulse	0.10	3
1	Rh	103	4,228,357.43	0.60	103.0	Analog	0.10	3
2	Rh	103	2,588,497.88	0.86	100.8	Analog	0.10	3
1	In	115	4,593,828.42	0.60	108.9	Analog	0.10	3
2	In	115	1,219,515.12	1.16	100.3	Pulse	0.10	3
1	Tb	159	6,747,481.57	0.53	112.5	Analog	0.10	3
2	Tb	159	4,197,020.04	0.70	105.8	Analog	0.10	3
1	Ho	165	6,363,990.74	0.24	113.4	Analog	0.10	3
2	Ho	165	4,073,438.90	0.80	106.8	Analog	0.10	3
1	Bi	209	3,781,198.80	0.10	115.3	Analog	0.10	3
2	Bi	209	2,751,120.17	0.93	107.9	Analog	0.10	3

Quantitation Report

File Name	031SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 17:05
Sample Name	f99818-2 2
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	32.787	ug/l	1.72	8,223.43	5.381E-03	Pulse	0.25	3
B	11	6	1	17.902	ug/l	3.08	6,250.20	4.090E-03	Pulse	0.15	3
Na	23	45	1	6734.639	ug/l	2.70	8,412,102.17	2.478E+00	Analog	0.10	3
Na	23	45	2	7160.989	ug/l	0.80	340,875.02	1.742E+00	Pulse	0.20	3
Mg	24	45	1	90969.380	ug/l	0.86	75,315,742.21	2.218E+01	Analog	0.10	3
Mg	24	45	2	95776.187	ug/l	1.18	2,310,360.23	1.180E+01	Analog	0.20	3
Al	27	45	1	263415.285	ug/l	0.89	295,072,328.94	8.691E+01	Analog	0.10	3
Al	27	45	2	272705.651	ug/l	1.36	2,577,379.55	1.317E+01	Analog	0.20	3
K	39	45	1	55131.381	ug/l	0.32	88,169,315.35	2.597E+01	Analog	0.10	3
K	39	45	2	55281.484	ug/l	1.45	1,461,696.91	7.468E+00	Analog	0.20	3
Ca	43	45	1	25098.841	ug/l	1.07	79,185.04	2.332E-02	Pulse	1.50	3
Ca	43	45	2	26242.301	ug/l	2.16	2,176.81	1.112E-02	Pulse	1.50	3
Ca	44	45	1	25882.877	ug/l	2.11	1,281,941.70	3.777E-01	Mix	0.10	3
Ca	44	45	2	25593.979	ug/l	2.05	36,904.64	1.885E-01	Pulse	0.20	3
Ti	47	45	1	8109.635	ug/l	0.10	1,149,435.71	3.386E-01	Pulse	0.10	3
Ti	47	45	2	8065.570	ug/l	0.59	79,827.07	4.078E-01	Pulse	0.20	3
V	51	45	2	652.223	ug/l	1.38	189,120.19	9.663E-01	Pulse	0.20	3
Cr	52	45	2	587.208	ug/l	0.99	214,894.54	1.098E+00	Pulse	0.20	3
Mn	55	45	2	3625.534	ug/l	0.71	721,305.64	3.685E+00	Pulse	0.20	3
Fe	56	45	2	331396.993	ug/l	0.69	95,909,471.90	4.900E+02	Analog	0.20	3
Co	59	45	2	143.204	ug/l	0.72	77,457.85	3.957E-01	Pulse	0.20	3
Ni	60	45	2	362.156	ug/l	0.68	51,803.33	2.647E-01	Pulse	0.20	3
Cu	63	45	2	176.647	ug/l	0.78	66,052.21	3.375E-01	Pulse	0.20	3
Cu	65	45	2	179.252	ug/l	1.93	33,223.95	1.697E-01	Pulse	0.20	3
Zn	66	45	2	780.653	ug/l	1.45	48,826.08	2.495E-01	Pulse	0.20	3
As	75	45	2	58.630	ug/l	6.73	2,406.86	1.230E-02	Pulse	0.50	3
Se	78	45	2	28.945	ug/l	9.08	131.00	6.689E-04	Pulse	1.00	3
Se	78	45	3	4.541	ug/l	6.03	51.67	1.546E-04	Pulse	1.00	3
Sr	88	45	1	417.141	ug/l	0.78	1,130,294.59	3.329E-01	Pulse	0.10	3
Mo	95	103	1	4.091	ug/l	52.56	2,063.74	5.023E-04	Pulse	0.10	3
Ag	107	115	1	0.601	ug/l	76.26	753.41	1.686E-04	Pulse	0.10	3
Cd	111	115	1	0.927	ug/l	66.15	225.34	5.040E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.644	ug/l	12.56	66.67	5.568E-05	Pulse	0.25	3
Sn	117	115	1	44.840	ug/l	5.19	9,943.52	2.224E-03	Pulse	0.10	3
Sn	118	115	1	44.080	ug/l	0.29	31,218.65	6.983E-03	Pulse	0.10	3
Sn	118	115	2	44.275	ug/l	4.47	10,463.87	8.742E-03	Pulse	0.10	3
Sn	119	115	1	44.527	ug/l	2.98	11,648.02	2.605E-03	Pulse	0.10	3
Sb	121	159	1	1.696	ug/l	16.69	1,650.19	2.446E-04	Pulse	0.10	3
Ba	137	159	1	2790.407	ug/l	1.32	1,070,725.30	1.587E-01	Pulse	0.10	3
Tl	205	209	1	6.829	ug/l	10.44	13,253.46	3.617E-03	Pulse	0.10	3
Pb	208	209	1	180.654	ug/l	0.52	462,508.22	1.262E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,528,191.56	0.95	86.5	Analog	0.10	3
1	Sc	45	3,394,916.20	0.96	99.6	Analog	0.10	3
2	Sc	45	195,746.77	1.38	101.5	Pulse	0.10	3
3	Sc	45	334,423.96	1.15	111.5	Pulse	0.10	3
1	Ge	72	674,519.26	0.40	100.1	Pulse	0.10	3
2	Ge	72	116,128.42	1.17	100.4	Pulse	0.10	3
3	Ge	72	155,283.59	0.97	105.0	Pulse	0.10	3
1	Rh	103	4,112,884.21	0.63	100.2	Analog	0.10	3
2	Rh	103	2,509,371.63	0.73	97.7	Analog	0.10	3
1	In	115	4,470,958.50	0.68	106.0	Analog	0.10	3
2	In	115	1,196,822.21	0.63	98.4	Pulse	0.10	3
1	Tb	159	6,745,345.11	0.18	112.5	Analog	0.10	3
2	Tb	159	4,184,518.38	0.29	105.5	Analog	0.10	3
1	Ho	165	6,380,415.95	0.18	113.7	Analog	0.10	3
2	Ho	165	4,068,111.92	0.51	106.7	Analog	0.10	3
1	Bi	209	3,664,538.70	0.67	111.8	Analog	0.10	3
2	Bi	209	2,680,285.79	0.87	105.1	Analog	0.10	3

Quantitation Report

File Name	032SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 17:10
Sample Name	f99818-3
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	14.951	ug/l	7.08	3,828.49	2.484E-03	Pulse	0.25	3
B	11	6	1	7.374	ug/l	14.91	4,227.33	2.744E-03	Pulse	0.15	3
Na	23	45	1	2910.383	ug/l	0.15	3,618,215.16	1.110E+00	Analog	0.10	3
Na	23	45	2	3089.598	ug/l	2.13	146,707.51	7.769E-01	Pulse	0.20	3
Mg	24	45	1	11508.848	ug/l	0.90	9,147,528.61	2.807E+00	Analog	0.10	3
Mg	24	45	2	11945.373	ug/l	2.73	278,044.05	1.473E+00	Pulse	0.20	3
Al	27	45	1	164407.547	ug/l	0.58	176,767,810.70	5.425E+01	Analog	0.10	3
Al	27	45	2	167334.282	ug/l	2.68	1,525,717.63	8.080E+00	Analog	0.20	3
K	39	45	1	8123.751	ug/l	0.84	13,389,597.30	4.109E+00	Analog	0.10	3
K	39	45	2	8148.844	ug/l	3.15	215,183.01	1.140E+00	Pulse	0.20	3
Ca	43	45	1	82309.614	ug/l	0.39	249,020.53	7.642E-02	Pulse	1.50	3
Ca	43	45	2	82796.186	ug/l	2.23	6,622.65	3.507E-02	Pulse	1.50	3
Ca	44	45	1	82862.511	ug/l	0.11	3,934,962.65	1.208E+00	Analog	0.10	3
Ca	44	45	2	82074.126	ug/l	2.54	114,105.20	6.043E-01	Pulse	0.20	3
Ti	47	45	1	4146.656	ug/l	1.20	564,141.10	1.731E-01	Pulse	0.10	3
Ti	47	45	2	4045.371	ug/l	3.18	38,621.90	2.045E-01	Pulse	0.20	3
V	51	45	2	149.239	ug/l	3.65	41,981.76	2.224E-01	Pulse	0.20	3
Cr	52	45	2	107.803	ug/l	3.57	40,377.86	2.139E-01	Pulse	0.20	3
Mn	55	45	2	2899.160	ug/l	2.61	556,409.38	2.947E+00	Pulse	0.20	3
Fe	56	45	2	65355.563	ug/l	2.10	18,249,337.23	9.664E+01	Analog	0.20	3
Co	59	45	2	29.655	ug/l	2.50	15,532.54	8.226E-02	Pulse	0.20	3
Ni	60	45	2	129.114	ug/l	6.59	17,919.98	9.495E-02	Pulse	0.20	3
Cu	63	45	2	35.092	ug/l	3.51	12,721.78	6.737E-02	Pulse	0.20	3
Cu	65	45	2	34.475	ug/l	3.30	6,209.61	3.289E-02	Pulse	0.20	3
Zn	66	45	2	178.290	ug/l	2.95	10,837.10	5.740E-02	Pulse	0.20	3
As	75	45	2	14.750	ug/l	10.77	594.02	3.149E-03	Pulse	0.50	3
Se	78	45	2	13.451	ug/l	37.23	71.33	3.786E-04	Pulse	1.00	3
Se	78	45	3	2.214	ug/l	24.72	24.67	7.820E-05	Pulse	1.00	3
Sr	88	45	1	582.959	ug/l	0.16	1,516,040.29	4.652E-01	Analog	0.10	3
Mo	95	103	1	2.419	ug/l	5.54	1,290.10	3.107E-04	Pulse	0.10	3
Ag	107	115	1	0.140	ug/l	12.17	270.01	5.964E-05	Pulse	0.10	3
Cd	111	115	1	0.782	ug/l	17.93	194.67	4.306E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.843	ug/l	4.29	88.00	7.224E-05	Pulse	0.25	3
Sn	117	115	1	29.853	ug/l	6.48	6,738.35	1.488E-03	Pulse	0.10	3
Sn	118	115	1	30.595	ug/l	3.72	22,019.40	4.866E-03	Pulse	0.10	3
Sn	118	115	2	29.497	ug/l	3.65	7,121.86	5.848E-03	Pulse	0.10	3
Sn	119	115	1	30.542	ug/l	7.61	8,199.13	1.813E-03	Pulse	0.10	3
Sb	121	159	1	0.239	ug/l	11.48	536.70	7.927E-05	Pulse	0.10	3
Ba	137	159	1	1213.425	ug/l	0.38	467,787.22	6.910E-02	Pulse	0.10	3
Tl	205	209	1	1.799	ug/l	5.04	3,954.01	1.048E-03	Pulse	0.10	3
Pb	208	209	1	79.153	ug/l	0.39	209,205.20	5.546E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,540,872.43	0.38	87.2	Analog	0.10	3
1	Sc	45	3,258,718.80	1.30	95.6	Analog	0.10	3
2	Sc	45	188,884.30	2.06	97.9	Pulse	0.10	3
3	Sc	45	315,440.47	0.66	105.1	Pulse	0.10	3
1	Ge	72	658,016.97	0.71	97.7	Pulse	0.10	3
2	Ge	72	112,949.57	0.40	97.7	Pulse	0.10	3
3	Ge	72	152,343.48	0.25	103.0	Pulse	0.10	3
1	Rh	103	4,152,238.69	0.56	101.2	Analog	0.10	3
2	Rh	103	2,567,274.29	0.32	99.9	Analog	0.10	3
1	In	115	4,525,888.53	1.20	107.3	Analog	0.10	3
2	In	115	1,218,024.13	0.51	100.2	Pulse	0.10	3
1	Tb	159	6,769,515.53	0.86	112.9	Analog	0.10	3
2	Tb	159	4,229,129.52	0.26	106.6	Analog	0.10	3
1	Ho	165	6,394,168.65	1.18	114.0	Analog	0.10	3
2	Ho	165	4,106,254.11	0.16	107.7	Analog	0.10	3
1	Bi	209	3,772,421.19	0.72	115.1	Analog	0.10	3
2	Bi	209	2,737,773.08	0.20	107.4	Analog	0.10	3

Quantitation Report

File Name	033SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 17:15
Sample Name	f99818-4
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	24.710	ug/l	3.30	6,307.91	4.069E-03	Pulse	0.25	3
B	11	6	1	22.531	ug/l	4.30	7,257.26	4.682E-03	Pulse	0.15	3
Na	23	45	1	1205.291	ug/l	1.19	1,697,473.05	5.005E-01	Analog	0.10	3
Na	23	45	2	1335.852	ug/l	0.62	70,258.05	3.614E-01	Pulse	0.20	3
Mg	24	45	1	81277.149	ug/l	1.49	67,224,635.67	1.982E+01	Analog	0.10	3
Mg	24	45	2	86694.003	ug/l	0.31	2,077,085.33	1.068E+01	Analog	0.20	3
Al	27	45	1	264097.455	ug/l	0.89	295,532,975.60	8.714E+01	Analog	0.10	3
Al	27	45	2	276278.169	ug/l	0.43	2,593,435.07	1.334E+01	Analog	0.20	3
K	39	45	1	53119.822	ug/l	0.89	84,905,802.07	2.504E+01	Analog	0.10	3
K	39	45	2	54478.401	ug/l	0.29	1,430,838.68	7.360E+00	Analog	0.20	3
Ca	43	45	1	36366.559	ug/l	0.44	114,564.65	3.378E-02	Pulse	1.50	3
Ca	43	45	2	37412.226	ug/l	1.45	3,081.18	1.585E-02	Pulse	1.50	3
Ca	44	45	1	36938.758	ug/l	0.61	1,826,862.89	5.387E-01	Analog	0.10	3
Ca	44	45	2	37280.354	ug/l	0.35	53,375.58	2.746E-01	Pulse	0.20	3
Ti	47	45	1	6492.955	ug/l	0.29	919,305.01	2.711E-01	Pulse	0.10	3
Ti	47	45	2	6497.354	ug/l	2.37	63,867.41	3.285E-01	Pulse	0.20	3
V	51	45	2	665.314	ug/l	0.21	191,603.61	9.856E-01	Pulse	0.20	3
Cr	52	45	2	530.182	ug/l	0.57	192,987.99	9.928E-01	Pulse	0.20	3
Mn	55	45	2	3510.376	ug/l	0.17	693,620.56	3.568E+00	Pulse	0.20	3
Fe	56	45	2	298888.957	ug/l	0.25	85,910,168.72	4.419E+02	Analog	0.20	3
Co	59	45	2	143.558	ug/l	1.35	77,112.99	3.967E-01	Pulse	0.20	3
Ni	60	45	2	363.416	ug/l	0.31	51,627.75	2.656E-01	Pulse	0.20	3
Cu	63	45	2	132.780	ug/l	1.37	49,329.08	2.538E-01	Pulse	0.20	3
Cu	65	45	2	133.462	ug/l	0.79	24,578.73	1.264E-01	Pulse	0.20	3
Zn	66	45	2	615.196	ug/l	0.74	38,239.79	1.967E-01	Pulse	0.20	3
As	75	45	2	97.386	ug/l	4.73	3,963.18	2.038E-02	Pulse	0.50	3
Se	78	45	2	21.253	ug/l	12.73	102.00	5.248E-04	Pulse	1.00	3
Se	78	45	3	3.390	ug/l	25.03	38.00	1.168E-04	Pulse	1.00	3
Sr	88	45	1	335.931	ug/l	0.40	909,366.50	2.681E-01	Pulse	0.10	3
Mo	95	103	1	1.841	ug/l	10.28	1,016.74	2.444E-04	Pulse	0.10	3
Ag	107	115	1	0.208	ug/l	22.99	340.02	7.586E-05	Pulse	0.10	3
Cd	111	115	1	0.834	ug/l	8.09	205.34	4.572E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.817	ug/l	9.70	84.00	7.006E-05	Pulse	0.25	3
Sn	117	115	1	40.723	ug/l	3.69	9,079.67	2.022E-03	Pulse	0.10	3
Sn	118	115	1	40.809	ug/l	0.67	29,034.41	6.469E-03	Pulse	0.10	3
Sn	118	115	2	39.887	ug/l	1.21	9,449.84	7.882E-03	Pulse	0.10	3
Sn	119	115	1	41.564	ug/l	1.27	10,937.56	2.437E-03	Pulse	0.10	3
Sb	121	159	1	1.456	ug/l	12.86	1,470.13	2.174E-04	Pulse	0.10	3
Ba	137	159	1	2789.078	ug/l	0.82	1,073,395.25	1.587E-01	Pulse	0.10	3
Tl	205	209	1	4.661	ug/l	1.65	9,263.22	2.509E-03	Pulse	0.10	3
Pb	208	209	1	165.642	ug/l	0.44	427,300.13	1.157E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,550,256.18	0.73	87.8	Analog	0.10	3
1	Sc	45	3,391,296.72	0.92	99.5	Analog	0.10	3
2	Sc	45	194,397.03	0.36	100.8	Pulse	0.10	3
3	Sc	45	324,800.40	1.74	108.3	Pulse	0.10	3
1	Ge	72	670,495.48	0.95	99.5	Pulse	0.10	3
2	Ge	72	115,339.76	1.23	99.8	Pulse	0.10	3
3	Ge	72	151,687.14	0.64	102.6	Pulse	0.10	3
1	Rh	103	4,159,835.15	1.30	101.4	Analog	0.10	3
2	Rh	103	2,546,656.21	0.35	99.1	Analog	0.10	3
1	In	115	4,488,393.76	1.73	106.4	Analog	0.10	3
2	In	115	1,198,851.70	0.23	98.6	Pulse	0.10	3
1	Tb	159	6,765,060.94	0.97	112.8	Analog	0.10	3
2	Tb	159	4,210,590.56	0.55	106.1	Analog	0.10	3
1	Ho	165	6,360,979.70	0.93	113.4	Analog	0.10	3
2	Ho	165	4,102,229.00	0.65	107.6	Analog	0.10	3
1	Bi	209	3,691,741.30	1.26	112.6	Analog	0.10	3
2	Bi	209	2,683,406.00	0.58	105.2	Analog	0.10	3

Quantitation Report

File Name	034SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 17:20
Sample Name	f99818-6
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	12.734	ug/l	4.34	1,505.43	8.834E-04	Pulse	0.25	3
B	11	6	1	6.474	ug/l	10.32	3,633.82	2.132E-03	Pulse	0.15	3
Na	23	45	1	2235.609	ug/l	1.51	1,333,359.88	3.893E-01	Analog	0.10	3
Na	23	45	2	2458.816	ug/l	1.12	54,507.05	2.779E-01	Pulse	0.20	3
Mg	24	45	1	32358.089	ug/l	0.83	10,813,963.59	3.157E+00	Analog	0.10	3
Mg	24	45	2	32610.016	ug/l	1.61	315,288.61	1.608E+00	Pulse	0.20	3
Al	27	45	1	129791.036	ug/l	0.48	58,678,389.13	1.713E+01	Analog	0.10	3
Al	27	45	2	128653.948	ug/l	1.62	487,284.04	2.485E+00	Pulse	0.20	3
K	39	45	1	25700.236	ug/l	0.52	17,509,719.32	5.112E+00	Analog	0.10	3
K	39	45	2	25705.335	ug/l	0.94	279,642.30	1.426E+00	Pulse	0.20	3
Ca	43	45	1	22329.167	ug/l	0.90	28,497.43	8.320E-03	Pulse	1.50	3
Ca	43	45	2	22831.090	ug/l	2.44	759.57	3.873E-03	Pulse	1.50	3
Ca	44	45	1	23215.114	ug/l	1.27	465,605.29	1.359E-01	Pulse	0.10	3
Ca	44	45	2	22292.300	ug/l	0.66	12,900.21	6.579E-02	Pulse	0.20	3
Ti	47	45	1	3362.808	ug/l	1.51	192,395.38	5.617E-02	Pulse	0.10	3
Ti	47	45	2	3258.823	ug/l	1.90	12,923.56	6.591E-02	Pulse	0.20	3
V	51	45	2	432.254	ug/l	0.48	50,467.00	2.574E-01	Pulse	0.20	3
Cr	52	45	2	269.164	ug/l	2.16	41,883.22	2.136E-01	Pulse	0.20	3
Mn	55	45	2	5523.229	ug/l	1.09	440,337.95	2.246E+00	Pulse	0.20	3
Fe	56	45	2	218993.900	ug/l	1.01	25,399,666.29	1.295E+02	Analog	0.20	3
Co	59	45	2	132.185	ug/l	0.70	28,698.63	1.463E-01	Pulse	0.20	3
Ni	60	45	2	230.766	ug/l	1.28	13,365.62	6.815E-02	Pulse	0.20	3
Cu	63	45	2	159.879	ug/l	1.45	24,007.84	1.224E-01	Pulse	0.20	3
Cu	65	45	2	158.856	ug/l	4.45	11,839.47	6.036E-02	Pulse	0.20	3
Zn	66	45	2	487.743	ug/l	2.20	12,304.84	6.276E-02	Pulse	0.20	3
As	75	45	2	36.277	ug/l	5.69	608.02	3.099E-03	Pulse	0.50	3
Se	78	45	2	24.827	ug/l	3.60	61.33	3.127E-04	Pulse	1.00	3
Se	78	45	3	4.886	ug/l	7.46	22.67	6.968E-05	Pulse	1.00	3
Sr	88	45	1	208.115	ug/l	1.15	227,973.78	6.655E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	2.352	ug/l	20.54	610.04	1.412E-04	Pulse	0.10	3
Ag	107	115	1	0.137	ug/l	82.04	183.34	3.964E-05	Pulse	0.10	3
Cd	111	115	1	0.497	ug/l	29.61	62.67	1.354E-05	Pulse	0.25	3
Cd	111	115	2	0.765	ug/l	69.09	34.67	2.762E-05	Pulse	0.25	3
Sn	117	115	1	35.791	ug/l	8.89	3,353.82	7.252E-04	Pulse	0.10	3
Sn	118	115	1	35.918	ug/l	6.41	10,727.40	2.320E-03	Pulse	0.10	3
Sn	118	115	2	34.180	ug/l	13.18	3,450.51	2.749E-03	Pulse	0.10	3
Sn	119	115	1	35.187	ug/l	2.57	4,067.34	8.796E-04	Pulse	0.10	3
Sb	121	159	1	0.742	ug/l	36.28	586.71	8.583E-05	Pulse	0.10	3
Ba	137	159	1	1081.773	ug/l	0.36	168,960.22	2.473E-02	Pulse	0.10	3
Tl	205	209	1	3.573	ug/l	4.97	3,243.81	8.592E-04	Pulse	0.10	3
Pb	208	209	1	141.060	ug/l	0.72	149,576.48	3.961E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,704,302.95	0.86	96.5	Analog	0.10	3
1	Sc	45	3,425,255.05	0.84	100.5	Analog	0.10	3
2	Sc	45	196,105.62	1.66	101.7	Pulse	0.10	3
3	Sc	45	325,540.96	1.75	108.5	Pulse	0.10	3
1	Ge	72	694,331.34	0.40	103.1	Pulse	0.10	3
2	Ge	72	118,737.28	1.89	102.7	Pulse	0.10	3
3	Ge	72	157,158.62	1.08	106.3	Pulse	0.10	3
1	Rh	103	4,324,262.23	0.72	105.4	Analog	0.10	3
2	Rh	103	2,666,215.69	0.15	103.8	Analog	0.10	3
1	In	115	4,624,094.02	0.45	109.6	Analog	0.10	3
2	In	115	1,255,577.58	0.29	103.3	Pulse	0.10	3
1	Tb	159	6,832,826.77	0.54	113.9	Analog	0.10	3
2	Tb	159	4,257,679.94	0.54	107.3	Analog	0.10	3
1	Ho	165	6,432,913.86	0.56	114.7	Analog	0.10	3
2	Ho	165	4,127,331.40	0.22	108.3	Analog	0.10	3
1	Bi	209	3,775,810.26	0.90	115.2	Analog	0.10	3
2	Bi	209	2,771,929.23	0.25	108.7	Analog	0.10	3

Quantitation Report

File Name	035SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 17:25
Sample Name	f99818-7
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	11.836	ug/l	7.98	1,405.42	8.250E-04	Pulse	0.25	3
B	11	6	1	6.615	ug/l	4.57	3,642.72	2.139E-03	Pulse	0.15	3
Na	23	45	1	2922.808	ug/l	1.04	1,662,978.78	4.876E-01	Analog	0.10	3
Na	23	45	2	2931.881	ug/l	2.21	63,891.19	3.228E-01	Pulse	0.20	3
Mg	24	45	1	35768.469	ug/l	1.21	11,901,971.90	3.490E+00	Analog	0.10	3
Mg	24	45	2	34774.887	ug/l	0.54	339,406.39	1.715E+00	Pulse	0.20	3
Al	27	45	1	116612.487	ug/l	0.97	52,495,144.22	1.539E+01	Analog	0.10	3
Al	27	45	2	111346.125	ug/l	0.93	425,763.54	2.151E+00	Pulse	0.20	3
K	39	45	1	20535.757	ug/l	0.78	14,158,531.46	4.151E+00	Analog	0.10	3
K	39	45	2	19854.493	ug/l	0.67	220,084.14	1.112E+00	Pulse	0.20	3
Ca	43	45	1	23907.864	ug/l	0.58	30,375.82	8.906E-03	Pulse	1.50	3
Ca	43	45	2	22538.109	ug/l	7.90	756.91	3.823E-03	Pulse	1.50	3
Ca	44	45	1	24841.159	ug/l	1.35	495,941.88	1.454E-01	Pulse	0.10	3
Ca	44	45	2	22629.327	ug/l	3.52	13,218.81	6.678E-02	Pulse	0.20	3
Ti	47	45	1	3352.391	ug/l	0.31	190,999.35	5.600E-02	Pulse	0.10	3
Ti	47	45	2	3082.883	ug/l	3.91	12,344.80	6.235E-02	Pulse	0.20	3
V	51	45	2	395.914	ug/l	1.26	46,687.50	2.359E-01	Pulse	0.20	3
Cr	52	45	2	222.641	ug/l	1.52	35,489.99	1.793E-01	Pulse	0.20	3
Mn	55	45	2	10502.053	ug/l	0.28	845,196.91	4.270E+00	Pulse	0.20	3
Fe	56	45	2	194340.392	ug/l	0.57	22,752,332.16	1.149E+02	Analog	0.20	3
Co	59	45	2	315.354	ug/l	0.36	68,998.86	3.486E-01	Pulse	0.20	3
Ni	60	45	2	236.573	ug/l	1.74	13,822.67	6.984E-02	Pulse	0.20	3
Cu	63	45	2	129.780	ug/l	1.41	19,688.72	9.946E-02	Pulse	0.20	3
Cu	65	45	2	135.231	ug/l	2.17	10,180.00	5.143E-02	Pulse	0.20	3
Zn	66	45	2	380.852	ug/l	0.86	9,723.04	4.912E-02	Pulse	0.20	3
As	75	45	2	28.013	ug/l	10.36	476.68	2.409E-03	Pulse	0.50	3
Se	78	45	2	15.488	ug/l	49.33	48.00	2.427E-04	Pulse	1.00	3
Se	78	45	3	4.451	ug/l	32.49	21.33	6.398E-05	Pulse	1.00	3
Sr	88	45	1	192.746	ug/l	0.84	210,267.89	6.165E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.623	ug/l	9.28	463.36	1.077E-04	Pulse	0.10	3
Ag	107	115	1	0.024	ug/l	312.73	133.34	2.899E-05	Pulse	0.10	3
Cd	111	115	1	0.286	ug/l	52.36	42.67	9.267E-06	Pulse	0.25	3
Cd	111	115	2	0.444	ug/l	25.59	21.33	1.697E-05	Pulse	0.25	3
Sn	117	115	1	37.519	ug/l	3.32	3,493.87	7.591E-04	Pulse	0.10	3
Sn	118	115	1	35.009	ug/l	3.59	10,413.88	2.262E-03	Pulse	0.10	3
Sn	118	115	2	34.186	ug/l	7.03	3,460.51	2.749E-03	Pulse	0.10	3
Sn	119	115	1	35.580	ug/l	7.32	4,090.71	8.886E-04	Pulse	0.10	3
Sb	121	159	1	0.755	ug/l	50.82	580.04	8.644E-05	Pulse	0.10	3
Ba	137	159	1	1441.618	ug/l	0.25	220,910.26	3.291E-02	Pulse	0.10	3
Tl	205	209	1	2.759	ug/l	13.23	2,580.34	6.930E-04	Pulse	0.10	3
Pb	208	209	1	180.845	ug/l	0.99	188,688.16	5.071E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,702,772.97	0.92	96.4	Analog	0.10	3
1	Sc	45	3,410,820.89	0.98	100.1	Analog	0.10	3
2	Sc	45	197,941.24	1.01	102.6	Pulse	0.10	3
3	Sc	45	332,506.63	1.41	110.8	Pulse	0.10	3
1	Ge	72	696,853.30	0.25	103.4	Pulse	0.10	3
2	Ge	72	119,468.98	1.17	103.3	Pulse	0.10	3
3	Ge	72	158,289.51	1.19	107.0	Pulse	0.10	3
1	Rh	103	4,301,302.23	0.19	104.8	Analog	0.10	3
2	Rh	103	2,670,592.57	0.39	104.0	Analog	0.10	3
1	In	115	4,602,814.14	0.52	109.1	Analog	0.10	3
2	In	115	1,258,477.68	0.75	103.5	Pulse	0.10	3
1	Tb	159	6,712,688.44	0.27	111.9	Analog	0.10	3
2	Tb	159	4,260,283.06	0.52	107.4	Analog	0.10	3
1	Ho	165	6,322,736.99	1.26	112.7	Analog	0.10	3
2	Ho	165	4,130,590.98	0.83	108.3	Analog	0.10	3
1	Bi	209	3,721,498.07	1.28	113.5	Analog	0.10	3
2	Bi	209	2,772,257.25	0.67	108.7	Analog	0.10	3

Quantitation Report

File Name	036SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 17:30
Sample Name	f99875-1
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	16.932	ug/l	0.96	4,452.66	2.806E-03	Pulse	0.25	3
B	11	6	1	20.164	ug/l	3.81	6,950.52	4.379E-03	Pulse	0.15	3
Na	23	45	1	909.000	ug/l	1.45	1,339,237.79	3.946E-01	Analog	0.10	3
Na	23	45	2	992.734	ug/l	1.09	54,344.78	2.801E-01	Pulse	0.20	3
Mg	24	45	1	56025.820	ug/l	1.00	46,377,502.64	1.366E+01	Analog	0.10	3
Mg	24	45	2	58570.807	ug/l	0.67	1,400,461.23	7.219E+00	Analog	0.20	3
Al	27	45	1	202957.995	ug/l	0.89	227,307,189.95	6.697E+01	Analog	0.10	3
Al	27	45	2	210189.536	ug/l	0.42	1,969,090.91	1.015E+01	Analog	0.20	3
K	39	45	1	41278.555	ug/l	0.51	66,281,015.68	1.953E+01	Analog	0.10	3
K	39	45	2	41745.344	ug/l	0.77	1,096,269.28	5.651E+00	Pulse	0.20	3
Ca	43	45	1	32201.760	ug/l	0.50	101,537.42	2.992E-02	Pulse	1.50	3
Ca	43	45	2	33547.910	ug/l	2.13	2,757.56	1.421E-02	Pulse	1.50	3
Ca	44	45	1	32372.911	ug/l	0.43	1,602,665.24	4.722E-01	Analog	0.10	3
Ca	44	45	2	32307.037	ug/l	1.68	46,165.70	2.380E-01	Pulse	0.20	3
Ti	47	45	1	3998.139	ug/l	0.32	566,595.63	1.669E-01	Pulse	0.10	3
Ti	47	45	2	3968.653	ug/l	1.24	38,929.12	2.007E-01	Pulse	0.20	3
V	51	45	2	382.671	ug/l	2.26	110,119.18	5.676E-01	Pulse	0.20	3
Cr	52	45	2	342.721	ug/l	0.37	125,532.88	6.471E-01	Pulse	0.20	3
Mn	55	45	2	3007.263	ug/l	0.89	593,012.39	3.057E+00	Pulse	0.20	3
Fe	56	45	2	275000.637	ug/l	0.24	78,883,792.16	4.066E+02	Analog	0.20	3
Co	59	45	2	105.125	ug/l	1.77	56,371.24	2.906E-01	Pulse	0.20	3
Ni	60	45	2	228.780	ug/l	1.74	32,500.63	1.675E-01	Pulse	0.20	3
Cu	63	45	2	265.780	ug/l	0.61	98,459.88	5.075E-01	Pulse	0.20	3
Cu	65	45	2	264.449	ug/l	0.70	48,541.93	2.502E-01	Pulse	0.20	3
Zn	66	45	2	558.752	ug/l	1.61	34,670.25	1.787E-01	Pulse	0.20	3
As	75	45	2	68.250	ug/l	3.10	2,775.59	1.431E-02	Pulse	0.50	3
Se	78	45	2	23.144	ug/l	21.66	108.67	5.602E-04	Pulse	1.00	3
Se	78	45	3	4.426	ug/l	6.28	48.67	1.508E-04	Pulse	1.00	3
Sr	88	45	1	338.709	ug/l	0.31	917,653.79	2.704E-01	Pulse	0.10	3
Mo	95	103	1	9.964	ug/l	7.28	4,880.96	1.176E-03	Pulse	0.10	3
Ag	107	115	1	0.313	ug/l	15.39	450.03	1.006E-04	Pulse	0.10	3
Cd	111	115	1	0.537	ug/l	26.91	137.33	3.068E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.515	ug/l	23.28	54.67	4.496E-05	Pulse	0.25	3
Sn	117	115	1	274.322	ug/l	0.18	60,443.76	1.349E-02	Pulse	0.10	3
Sn	118	115	1	277.839	ug/l	0.20	195,600.53	4.367E-02	Pulse	0.10	3
Sn	118	115	2	269.632	ug/l	3.00	64,259.20	5.287E-02	Pulse	0.10	3
Sn	119	115	1	275.921	ug/l	2.11	70,391.63	1.572E-02	Pulse	0.10	3
Sb	121	159	1	3.694	ug/l	8.45	3,163.80	4.713E-04	Pulse	0.10	3
Ba	137	159	1	2050.544	ug/l	0.30	782,987.59	1.167E-01	Pulse	0.10	3
Tl	205	209	1	2.683	ug/l	13.82	5,527.95	1.499E-03	Pulse	0.10	3
Pb	208	209	1	185.780	ug/l	0.52	477,768.73	1.298E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,586,861.84	1.85	89.8	Analog	0.10	3
1	Sc	45	3,394,160.47	0.81	99.6	Analog	0.10	3
2	Sc	45	194,001.61	0.30	100.6	Pulse	0.10	3
3	Sc	45	322,860.91	0.92	107.6	Pulse	0.10	3
1	Ge	72	672,708.95	1.48	99.8	Pulse	0.10	3
2	Ge	72	116,484.51	2.62	100.8	Pulse	0.10	3
3	Ge	72	152,518.20	0.29	103.1	Pulse	0.10	3
1	Rh	103	4,149,678.27	0.94	101.1	Analog	0.10	3
2	Rh	103	2,575,998.14	0.08	100.3	Analog	0.10	3
1	In	115	4,479,173.19	1.16	106.2	Analog	0.10	3
2	In	115	1,215,405.01	0.25	99.9	Pulse	0.10	3
1	Tb	159	6,710,512.19	1.35	111.9	Analog	0.10	3
2	Tb	159	4,229,281.29	0.40	106.6	Analog	0.10	3
1	Ho	165	6,309,761.36	1.25	112.5	Analog	0.10	3
2	Ho	165	4,103,303.69	0.48	107.6	Analog	0.10	3
1	Bi	209	3,681,453.59	1.79	112.3	Analog	0.10	3
2	Bi	209	2,710,295.69	0.12	106.3	Analog	0.10	3

Quantitation Report

File Name	037SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 17:35
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	54.192	ug/l	0.94	145,136.73	8.807E-02	Pulse	0.25	3
B	11	6	1	55.393	ug/l	1.68	119,683.78	7.262E-02	Pulse	0.15	3
Na	23	45	1	4947.829	ug/l	0.51	58,090,607.47	1.776E+01	Analog	0.10	3
Na	23	45	2	5145.427	ug/l	0.37	2,254,350.07	1.224E+01	Analog	0.20	3
Mg	24	45	1	4925.854	ug/l	0.33	39,281,515.25	1.201E+01	Analog	0.10	3
Mg	24	45	2	5047.220	ug/l	0.24	1,146,118.99	6.221E+00	Pulse	0.20	3
Al	27	45	1	4893.597	ug/l	0.24	52,801,245.88	1.615E+01	Analog	0.10	3
Al	27	45	2	4891.976	ug/l	0.54	435,267.35	2.362E+00	Pulse	0.20	3
K	39	45	1	4916.256	ug/l	0.37	75,845,075.54	2.319E+01	Analog	0.10	3
K	39	45	2	4952.595	ug/l	0.21	1,233,595.55	6.695E+00	Pulse	0.20	3
Ca	43	45	1	5013.787	ug/l	0.36	152,249.69	4.656E-02	Pulse	1.50	3
Ca	43	45	2	5275.830	ug/l	1.80	4,117.85	2.235E-02	Pulse	1.50	3
Ca	44	45	1	5022.014	ug/l	0.47	2,393,920.17	7.321E-01	Analog	0.10	3
Ca	44	45	2	5090.386	ug/l	0.71	69,064.28	3.749E-01	Pulse	0.20	3
Ti	47	45	1	52.613	ug/l	0.98	71,876.82	2.198E-02	Pulse	0.10	3
Ti	47	45	2	52.247	ug/l	4.62	4,867.47	2.642E-02	Pulse	0.20	3
V	51	45	2	52.436	ug/l	0.47	143,188.13	7.772E-01	Pulse	0.20	3
Cr	52	45	2	52.672	ug/l	0.75	181,733.47	9.864E-01	Pulse	0.20	3
Mn	55	45	2	53.348	ug/l	0.31	99,916.00	5.423E-01	Pulse	0.20	3
Fe	56	45	2	5116.280	ug/l	0.14	13,939,781.04	7.566E+01	Analog	0.20	3
Co	59	45	2	52.140	ug/l	0.25	265,240.36	1.440E+00	Pulse	0.20	3
Ni	60	45	2	52.147	ug/l	0.34	70,137.03	3.807E-01	Pulse	0.20	3
Cu	63	45	2	51.828	ug/l	0.58	182,271.44	9.893E-01	Pulse	0.20	3
Cu	65	45	2	52.073	ug/l	0.66	90,722.52	4.924E-01	Pulse	0.20	3
Zn	66	45	2	52.174	ug/l	2.39	30,750.88	1.669E-01	Pulse	0.20	3
As	75	45	2	53.250	ug/l	1.62	20,476.89	1.111E-01	Pulse	0.50	3
Se	78	45	2	49.573	ug/l	3.63	1,734.10	9.412E-03	Pulse	1.00	3
Se	78	45	3	51.613	ug/l	2.25	5,310.88	1.694E-02	Pulse	1.00	3
Sr	88	45	1	56.060	ug/l	0.87	1,462,959.92	4.474E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	53.539	ug/l	0.63	257,586.85	6.142E-02	Pulse	0.10	3
Ag	107	115	1	49.360	ug/l	0.09	533,300.60	1.164E-01	Pulse	0.10	3
Cd	111	115	1	52.627	ug/l	0.47	122,076.20	2.665E-02	Pulse	0.25	3
Cd	111	115	2	53.442	ug/l	0.36	53,401.62	4.442E-02	Pulse	0.25	3
Sn	117	115	1	52.935	ug/l	0.81	119,174.68	2.602E-02	Pulse	0.10	3
Sn	118	115	1	53.230	ug/l	0.34	382,906.45	8.360E-02	Pulse	0.10	3
Sn	118	115	2	53.422	ug/l	0.72	125,859.47	1.047E-01	Pulse	0.10	3
Sn	119	115	1	53.099	ug/l	1.64	138,172.89	3.017E-02	Pulse	0.10	3
Sb	121	159	1	58.384	ug/l	0.54	448,779.11	6.630E-02	Pulse	0.10	3
Ba	137	159	1	51.589	ug/l	0.96	199,396.26	2.946E-02	Pulse	0.10	3
Tl	205	209	1	48.238	ug/l	3.26	906,617.80	2.464E-01	Pulse	0.10	3
Pb	208	209	1	53.013	ug/l	1.19	1,360,534.22	3.698E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,647,921.42	0.29	93.3	Analog	0.10	3
1	Sc	45	3,269,879.01	0.63	96.0	Analog	0.10	3
2	Sc	45	184,243.85	0.15	95.5	Pulse	0.10	3
3	Sc	45	313,546.00	0.87	104.5	Pulse	0.10	3
1	Ge	72	669,159.00	0.71	99.3	Pulse	0.10	3
2	Ge	72	111,953.30	1.71	96.8	Pulse	0.10	3
3	Ge	72	152,743.14	0.70	103.3	Pulse	0.10	3
1	Rh	103	4,193,987.75	1.37	102.2	Analog	0.10	3
2	Rh	103	2,571,918.35	0.65	100.1	Analog	0.10	3
1	In	115	4,580,205.18	1.35	108.6	Analog	0.10	3
2	In	115	1,202,197.35	0.72	98.9	Pulse	0.10	3
1	Tb	159	6,769,273.65	1.12	112.9	Analog	0.10	3
2	Tb	159	4,187,308.90	0.22	105.5	Analog	0.10	3
1	Ho	165	6,369,153.86	1.43	113.5	Analog	0.10	3
2	Ho	165	4,063,039.21	0.40	106.6	Analog	0.10	3
1	Bi	209	3,678,798.17	0.83	112.2	Analog	0.10	3
2	Bi	209	2,691,407.04	0.46	105.6	Analog	0.10	3

Quantitation Report

File Name	038SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 17:41
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.131	ug/l	11.34	429.35	2.683E-04	Pulse	0.25	3
B	11	6	1	0.689	ug/l	2.16	4,291.78	2.682E-03	Pulse	0.15	3
Na	23	45	1	8.847	ug/l	6.14	325,203.51	1.011E-01	Pulse	0.10	3
Na	23	45	2	6.783	ug/l	14.90	11,374.08	6.099E-02	Pulse	0.20	3
Mg	24	45	1	20.973	ug/l	1.14	166,891.17	5.188E-02	Pulse	0.10	3
Mg	24	45	2	13.312	ug/l	9.46	3,125.36	1.676E-02	Pulse	0.20	3
Al	27	45	1	35.694	ug/l	3.95	382,854.69	1.190E-01	Pulse	0.10	3
Al	27	45	2	21.900	ug/l	16.46	2,018.50	1.083E-02	Pulse	0.20	3
K	39	45	1	16.571	ug/l	6.09	1,312,968.60	4.081E-01	Analog	0.10	3
K	39	45	2	13.663	ug/l	18.60	11,909.48	6.386E-02	Pulse	0.20	3
Ca	43	45	1	18.299	ug/l	1.67	645.79	2.007E-04	Pulse	1.50	3
Ca	43	45	2	13.537	ug/l	36.58	11.56	6.197E-05	Pulse	1.50	3
Ca	44	45	1	18.824	ug/l	5.55	11,070.95	3.442E-03	Pulse	0.10	3
Ca	44	45	2	14.625	ug/l	3.83	228.34	1.224E-03	Pulse	0.20	3
Ti	47	45	1	0.686	ug/l	14.34	976.74	3.037E-04	Pulse	0.10	3
Ti	47	45	2	0.460	ug/l	43.77	43.33	2.324E-04	Pulse	0.20	3
V	51	45	2	0.144	ug/l	26.77	703.36	3.771E-03	Pulse	0.20	3
Cr	52	45	2	0.260	ug/l	21.03	3,703.83	1.986E-02	Pulse	0.20	3
Mn	55	45	2	0.396	ug/l	5.30	761.70	4.084E-03	Pulse	0.20	3
Fe	56	45	2	30.817	ug/l	6.09	87,369.22	4.685E-01	Pulse	0.20	3
Co	59	45	2	0.103	ug/l	7.65	605.03	3.244E-03	Pulse	0.20	3
Ni	60	45	2	0.082	ug/l	18.46	285.01	1.528E-03	Pulse	0.20	3
Cu	63	45	2	0.127	ug/l	5.93	530.02	2.842E-03	Pulse	0.20	3
Cu	65	45	2	0.141	ug/l	20.40	306.68	1.645E-03	Pulse	0.20	3
Zn	66	45	2	0.165	ug/l	63.12	200.00	1.073E-03	Pulse	0.20	3
As	75	45	2	0.128	ug/l	33.09	63.33	3.395E-04	Pulse	0.50	3
Se	78	45	2	0.145	ug/l	133.03	28.67	1.538E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.141	ug/l	22.37	16.33	5.173E-05	Pulse	1.00	3
Sr	88	45	1	0.208	ug/l	3.29	5,781.29	1.797E-03	Pulse	0.10	3
Mo	95	103	1	0.245	ug/l	1.36	1,346.78	3.138E-04	Pulse	0.10	3
Ag	107	115	1	0.154	ug/l	7.36	1,796.84	3.895E-04	Pulse	0.10	3
Cd	111	115	1	0.168	ug/l	7.44	409.35	8.877E-05	Pulse	0.25	3
Cd	111	115	2	0.098	ug/l	31.98	104.00	8.358E-05	Pulse	0.25	3
Sn	117	115	1	0.317	ug/l	19.64	820.05	1.775E-04	Pulse	0.10	3
Sn	118	115	1	0.324	ug/l	3.23	2,647.01	5.736E-04	Pulse	0.10	3
Sn	118	115	2	0.253	ug/l	6.67	706.71	5.672E-04	Pulse	0.10	3
Sn	119	115	1	0.258	ug/l	8.05	1,053.41	2.284E-04	Pulse	0.10	3
Sb	121	159	1	0.228	ug/l	11.73	2,086.89	3.111E-04	Pulse	0.10	3
Ba	137	159	1	0.264	ug/l	17.47	1,900.20	2.833E-04	Pulse	0.10	3
Tl	205	209	1	0.489	ug/l	4.70	9,840.32	2.627E-03	Pulse	0.10	3
Pb	208	209	1	0.146	ug/l	6.96	4,857.18	1.296E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,600,290.57	0.64	90.6	Analog	0.10	3
1	Sc	45	3,217,159.53	0.74	94.4	Analog	0.10	3
2	Sc	45	186,502.68	0.24	96.7	Pulse	0.10	3
3	Sc	45	315,846.96	0.53	105.3	Pulse	0.10	3
1	Ge	72	668,596.45	0.64	99.2	Pulse	0.10	3
2	Ge	72	114,054.11	0.47	98.7	Pulse	0.10	3
3	Ge	72	155,503.20	0.94	105.1	Pulse	0.10	3
1	Rh	103	4,291,560.87	0.86	104.6	Analog	0.10	3
2	Rh	103	2,643,936.52	0.46	102.9	Analog	0.10	3
1	In	115	4,614,147.98	1.46	109.4	Analog	0.10	3
2	In	115	1,245,867.41	0.59	102.5	Pulse	0.10	3
1	Tb	159	6,709,926.99	0.89	111.9	Analog	0.10	3
2	Tb	159	4,213,373.58	0.30	106.2	Analog	0.10	3
1	Ho	165	6,332,922.41	0.57	112.9	Analog	0.10	3
2	Ho	165	4,070,307.13	0.26	106.8	Analog	0.10	3
1	Bi	209	3,746,532.96	0.13	114.3	Analog	0.10	3
2	Bi	209	2,755,778.61	0.42	108.1	Analog	0.10	3

Quantitation Report

File Name	039SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 17:46
Sample Name	c25285-3 4
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.064	ug/l	77.64	138.67	1.079E-04	Pulse	0.25	3
B	11	6	1	121.523	ug/l	1.17	102,321.03	7.949E-02	Pulse	0.15	3
Na	23	45	1	103899.913	ug/l	0.97	512,915,699.02	1.859E+02	Analog	0.10	3
Na	23	45	2	119238.226	ug/l	0.55	22,057,592.17	1.413E+02	Analog	0.20	3
Mg	24	45	1	5926.790	ug/l	3.48	19,943,641.79	7.227E+00	Analog	0.10	3
Mg	24	45	2	6576.038	ug/l	1.08	632,631.49	4.053E+00	Pulse	0.20	3
Al	27	45	1	3153.746	ug/l	3.21	14,361,227.29	5.204E+00	Analog	0.10	3
Al	27	45	2	3311.101	ug/l	1.18	124,836.86	7.997E-01	Pulse	0.20	3
K	39	45	1	16604.461	ug/l	2.72	107,461,541.73	3.894E+01	Analog	0.10	3
K	39	45	2	17241.407	ug/l	0.88	1,814,089.25	1.162E+01	Analog	0.20	3
Ca	43	45	1	57388.306	ug/l	0.85	734,967.50	2.663E-01	Pulse	1.50	3
Ca	43	45	2	60234.999	ug/l	0.33	19,914.02	1.276E-01	Pulse	1.50	3
Ca	44	45	1	58211.092	ug/l	1.23	11,699,965.66	4.240E+00	Analog	0.10	3
Ca	44	45	2	59372.498	ug/l	1.12	341,143.52	2.185E+00	Pulse	0.20	3
Ti	47	45	1	224.377	ug/l	1.93	129,290.66	4.685E-02	Pulse	0.10	3
Ti	47	45	2	234.567	ug/l	2.40	9,257.74	5.930E-02	Pulse	0.20	3
V	51	45	2	290.776	ug/l	1.57	335,912.60	2.152E+00	Pulse	0.20	3
Cr	52	45	2	272.493	ug/l	1.34	394,555.03	2.528E+00	Pulse	0.20	3
Mn	55	45	2	363.652	ug/l	1.14	288,506.23	1.848E+00	Pulse	0.20	3
Fe	56	45	2	23660.633	ug/l	0.61	27,307,714.59	1.749E+02	Analog	0.20	3
Co	59	45	2	17.461	ug/l	1.32	37,684.96	2.414E-01	Pulse	0.20	3
Ni	60	45	2	230.702	ug/l	0.57	131,277.63	8.409E-01	Pulse	0.20	3
Cu	63	45	2	231.922	ug/l	0.59	345,467.18	2.213E+00	Pulse	0.20	3
Cu	65	45	2	231.841	ug/l	0.90	171,065.98	1.096E+00	Pulse	0.20	3
Zn	66	45	2	11031.422	ug/l	0.45	2,745,661.83	1.759E+01	Analog	0.20	3
As	75	45	2	71.133	ug/l	1.72	11,592.19	7.426E-02	Pulse	0.50	3
Se	78	45	2	0.996	ug/l	5.34	34.33	2.199E-04	Pulse	1.00	3
Se	78	45	3	0.962	ug/l	25.82	45.00	1.634E-04	Pulse	1.00	3
Sr	88	45	1	397.930	ug/l	1.09	4,380,900.04	1.587E+00	Analog	0.10	3
Mo	95	103	1	3.181	ug/l	2.92	6,671.66	1.857E-03	Pulse	0.10	3
Ag	107	115	1	0.556	ug/l	4.60	2,777.01	6.820E-04	Pulse	0.10	3
Cd	111	115	1	15.094	ug/l	2.23	15,577.21	3.825E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	15.305	ug/l	2.87	6,685.51	6.363E-03	Pulse	0.25	3
Sn	117	115	1	193.639	ug/l	1.30	193,719.25	4.757E-02	Pulse	0.10	3
Sn	118	115	1	194.705	ug/l	1.16	622,422.65	1.528E-01	Pulse	0.10	3
Sn	118	115	2	196.566	ug/l	0.72	202,304.94	1.925E-01	Pulse	0.10	3
Sn	119	115	1	195.383	ug/l	0.49	225,721.09	5.543E-02	Pulse	0.10	3
Sb	121	159	1	3.638	ug/l	1.91	13,519.57	2.116E-03	Pulse	0.10	3
Ba	137	159	1	223.373	ug/l	0.37	406,550.01	6.361E-02	Pulse	0.10	3
Tl	205	209	1	0.339	ug/l	2.84	3,450.54	9.942E-04	Pulse	0.10	3
Pb	208	209	1	259.931	ug/l	0.94	3,145,136.80	9.063E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,287,285.94	1.08	72.9	Analog	0.10	3
1	Sc	45	2,759,657.98	0.51	81.0	Analog	0.10	3
2	Sc	45	156,110.23	0.58	80.9	Pulse	0.10	3
3	Sc	45	275,355.09	1.38	91.8	Pulse	0.10	3
1	Ge	72	598,147.87	0.23	88.8	Pulse	0.10	3
2	Ge	72	98,658.33	0.14	85.3	Pulse	0.10	3
3	Ge	72	139,465.74	0.60	94.3	Pulse	0.10	3
1	Rh	103	3,593,447.34	0.47	87.6	Analog	0.10	3
2	Rh	103	2,191,165.13	0.01	85.3	Analog	0.10	3
1	In	115	4,072,062.06	0.50	96.6	Analog	0.10	3
2	In	115	1,050,730.14	0.32	86.4	Pulse	0.10	3
1	Tb	159	6,390,763.86	1.05	106.5	Analog	0.10	3
2	Tb	159	3,891,415.25	0.39	98.1	Analog	0.10	3
1	Ho	165	6,039,060.33	0.71	107.7	Analog	0.10	3
2	Ho	165	3,798,877.34	0.43	99.6	Analog	0.10	3
1	Bi	209	3,470,367.34	0.61	105.9	Analog	0.10	3
2	Bi	209	2,459,643.03	0.52	96.5	Analog	0.10	3

Quantitation Report

File Name	040SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 17:51
Sample Name	c25285-16
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.640	ug/l	9.02	513.35	3.224E-04	Pulse	0.25	3
B	11	6	1	68.098	ug/l	5.54	16,728.56	1.051E-02	Pulse	0.15	3
Na	23	45	1	21545.693	ug/l	0.10	24,942,156.30	7.775E+00	Analog	0.10	3
Na	23	45	2	22008.813	ug/l	1.69	954,857.10	5.259E+00	Pulse	0.20	3
Mg	24	45	1	11845.362	ug/l	0.29	9,268,836.74	2.889E+00	Analog	0.10	3
Mg	24	45	2	12017.580	ug/l	1.59	268,957.71	1.481E+00	Pulse	0.20	3
Al	27	45	1	59968.555	ug/l	0.45	63,478,187.39	1.979E+01	Analog	0.10	3
Al	27	45	2	59145.046	ug/l	2.45	518,509.71	2.856E+00	Pulse	0.20	3
K	39	45	1	7197.493	ug/l	0.32	11,799,948.15	3.678E+00	Analog	0.10	3
K	39	45	2	7147.784	ug/l	2.96	182,486.78	1.005E+00	Pulse	0.20	3
Ca	43	45	1	83432.518	ug/l	0.25	248,490.20	7.746E-02	Pulse	1.50	3
Ca	43	45	2	82724.373	ug/l	2.23	6,361.44	3.504E-02	Pulse	1.50	3
Ca	44	45	1	84728.813	ug/l	0.43	3,960,773.28	1.235E+00	Analog	0.10	3
Ca	44	45	2	82256.412	ug/l	2.34	109,946.18	6.056E-01	Pulse	0.20	3
Ti	47	45	1	1682.270	ug/l	0.86	225,348.59	7.025E-02	Pulse	0.10	3
Ti	47	45	2	1648.823	ug/l	2.10	15,135.44	8.337E-02	Pulse	0.20	3
V	51	45	2	216.594	ug/l	1.93	58,454.44	3.220E-01	Pulse	0.20	3
Cr	52	45	2	1382.612	ug/l	1.68	465,623.20	2.565E+00	Pulse	0.20	3
Mn	55	45	2	1378.110	ug/l	2.70	254,294.03	1.401E+00	Pulse	0.20	3
Fe	56	45	2	107961.041	ug/l	2.07	28,981,345.40	1.596E+02	Analog	0.20	3
Co	59	45	2	84.099	ug/l	2.35	42,217.54	2.325E-01	Pulse	0.20	3
Ni	60	45	2	1064.701	ug/l	1.68	140,933.20	7.763E-01	Pulse	0.20	3
Cu	63	45	2	650.045	ug/l	1.92	225,255.44	1.241E+00	Pulse	0.20	3
Cu	65	45	2	651.057	ug/l	1.75	111,755.89	6.156E-01	Pulse	0.20	3
Zn	66	45	2	12207.079	ug/l	2.13	706,718.43	3.893E+00	Pulse	0.20	3
As	75	45	2	97.278	ug/l	4.31	3,695.78	2.036E-02	Pulse	0.50	3
Se	78	45	2	2.620	ug/l	90.57	32.00	1.758E-04	Pulse	1.00	3
Se	78	45	3	1.404	ug/l	24.95	16.00	5.161E-05	Pulse	1.00	3
Sr	88	45	1	429.152	ug/l	0.53	1,098,762.98	3.425E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	29.571	ug/l	2.44	14,410.40	3.424E-03	Pulse	0.10	3
Ag	107	115	1	8.471	ug/l	3.82	9,343.07	2.024E-03	Pulse	0.10	3
Cd	111	115	1	12.547	ug/l	5.38	2,948.32	6.389E-04	Pulse	0.25	3
Cd	111	115	2	13.256	ug/l	13.09	1,345.41	1.104E-03	Pulse	0.25	3
Sn	117	115	1	44.687	ug/l	2.12	10,230.35	2.217E-03	Pulse	0.10	3
Sn	118	115	1	44.647	ug/l	0.97	32,638.05	7.072E-03	Pulse	0.10	3
Sn	118	115	2	40.749	ug/l	4.35	9,806.73	8.051E-03	Pulse	0.10	3
Sn	119	115	1	43.965	ug/l	3.51	11,874.95	2.573E-03	Pulse	0.10	3
Sb	121	159	1	7.863	ug/l	3.37	6,501.65	9.443E-04	Pulse	0.10	3
Ba	137	159	1	751.319	ug/l	0.63	294,955.97	4.284E-02	Pulse	0.10	3
Tl	205	209	1	0.704	ug/l	15.42	1,880.21	4.891E-04	Pulse	0.10	3
Pb	208	209	1	459.448	ug/l	0.67	1,231,652.22	3.206E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,592,416.36	0.83	90.2	Analog	0.10	3
1	Sc	45	3,207,944.95	0.32	94.1	Analog	0.10	3
2	Sc	45	181,584.35	1.68	94.2	Pulse	0.10	3
3	Sc	45	309,878.39	0.35	103.3	Pulse	0.10	3
1	Ge	72	665,323.06	1.00	98.7	Pulse	0.10	3
2	Ge	72	113,084.54	0.91	97.8	Pulse	0.10	3
3	Ge	72	154,371.87	0.26	104.4	Pulse	0.10	3
1	Rh	103	4,209,079.10	0.66	102.6	Analog	0.10	3
2	Rh	103	2,568,977.72	0.59	100.0	Analog	0.10	3
1	In	115	4,615,413.73	0.58	109.4	Analog	0.10	3
2	In	115	1,218,286.49	0.62	100.2	Pulse	0.10	3
1	Tb	159	6,885,524.48	0.21	114.8	Analog	0.10	3
2	Tb	159	4,241,405.25	0.23	106.9	Analog	0.10	3
1	Ho	165	6,471,613.65	0.10	115.4	Analog	0.10	3
2	Ho	165	4,131,779.52	0.27	108.4	Analog	0.10	3
1	Bi	209	3,842,291.92	0.84	117.2	Analog	0.10	3
2	Bi	209	2,785,427.77	0.63	109.2	Analog	0.10	3

Quantitation Report

File Name	041SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 17:56
Sample Name	c25285-17
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.920	ug/l	23.54	574.69	3.680E-04	Pulse	0.25	3
B	11	6	1	79.208	ug/l	2.29	18,643.91	1.193E-02	Pulse	0.15	3
Na	23	45	1	68655.792	ug/l	0.47	78,074,977.17	2.462E+01	Analog	0.10	3
Na	23	45	2	70026.317	ug/l	0.90	2,995,040.79	1.664E+01	Analog	0.20	3
Mg	24	45	1	19465.238	ug/l	0.41	15,053,203.11	4.748E+00	Analog	0.10	3
Mg	24	45	2	19692.658	ug/l	0.65	437,016.33	2.427E+00	Pulse	0.20	3
Al	27	45	1	91747.724	ug/l	0.67	95,988,198.57	3.027E+01	Analog	0.10	3
Al	27	45	2	91601.816	ug/l	0.93	796,398.95	4.423E+00	Pulse	0.20	3
K	39	45	1	11854.181	ug/l	0.27	18,529,964.72	5.844E+00	Analog	0.10	3
K	39	45	2	11785.901	ug/l	0.78	293,132.65	1.628E+00	Pulse	0.20	3
Ca	43	45	1	91424.594	ug/l	0.64	269,124.56	8.488E-02	Pulse	1.50	3
Ca	43	45	2	92520.929	ug/l	2.39	7,055.05	3.919E-02	Pulse	1.50	3
Ca	44	45	1	91638.395	ug/l	0.90	4,233,907.33	1.335E+00	Analog	0.10	3
Ca	44	45	2	90690.331	ug/l	2.26	120,229.62	6.677E-01	Pulse	0.20	3
Ti	47	45	1	1084.471	ug/l	0.72	143,606.37	4.529E-02	Pulse	0.10	3
Ti	47	45	2	1085.209	ug/l	2.07	9,878.11	5.487E-02	Pulse	0.20	3
V	51	45	2	208.524	ug/l	1.40	55,820.63	3.100E-01	Pulse	0.20	3
Cr	52	45	2	372.625	ug/l	1.52	126,417.49	7.022E-01	Pulse	0.20	3
Mn	55	45	2	1663.335	ug/l	1.47	304,385.13	1.691E+00	Pulse	0.20	3
Fe	56	45	2	64824.947	ug/l	1.07	17,257,909.74	9.586E+01	Analog	0.20	3
Co	59	45	2	52.699	ug/l	0.70	26,262.93	1.459E-01	Pulse	0.20	3
Ni	60	45	2	2241.511	ug/l	1.51	294,039.23	1.633E+00	Pulse	0.20	3
Cu	63	45	2	596.872	ug/l	0.92	205,110.77	1.139E+00	Pulse	0.20	3
Cu	65	45	2	603.018	ug/l	0.63	102,653.37	5.702E-01	Pulse	0.20	3
Zn	66	45	2	6880.950	ug/l	0.75	395,117.91	2.195E+00	Pulse	0.20	3
As	75	45	2	139.276	ug/l	2.37	5,244.21	2.912E-02	Pulse	0.50	3
Se	78	45	2	6.991	ug/l	32.23	46.33	2.576E-04	Pulse	1.00	3
Se	78	45	3	1.986	ug/l	11.68	22.00	7.072E-05	Pulse	1.00	3
Sr	88	45	1	701.672	ug/l	1.07	1,775,382.06	5.599E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	19.076	ug/l	7.77	9,163.00	2.220E-03	Pulse	0.10	3
Ag	107	115	1	0.450	ug/l	13.35	606.70	1.328E-04	Pulse	0.10	3
Cd	111	115	1	11.283	ug/l	3.40	2,626.93	5.749E-04	Pulse	0.25	3
Cd	111	115	2	12.212	ug/l	9.35	1,217.40	1.017E-03	Pulse	0.25	3
Sn	117	115	1	13.010	ug/l	6.73	3,020.42	6.610E-04	Pulse	0.10	3
Sn	118	115	1	11.816	ug/l	3.52	8,769.44	1.919E-03	Pulse	0.10	3
Sn	118	115	2	11.369	ug/l	6.42	2,753.68	2.298E-03	Pulse	0.10	3
Sn	119	115	1	11.824	ug/l	4.92	3,437.17	7.521E-04	Pulse	0.10	3
Sb	121	159	1	2.871	ug/l	5.43	2,586.99	3.779E-04	Pulse	0.10	3
Ba	137	159	1	162.344	ug/l	1.91	64,072.81	9.361E-03	Pulse	0.10	3
Tl	205	209	1	0.461	ug/l	13.77	1,386.79	3.650E-04	Pulse	0.10	3
Pb	208	209	1	147.269	ug/l	0.75	391,211.97	1.029E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,563,157.93	0.78	88.5	Analog	0.10	3
1	Sc	45	3,170,761.73	0.35	93.1	Analog	0.10	3
2	Sc	45	180,048.38	1.26	93.4	Pulse	0.10	3
3	Sc	45	310,805.20	1.21	103.6	Pulse	0.10	3
1	Ge	72	653,963.61	1.40	97.1	Pulse	0.10	3
2	Ge	72	110,822.28	0.93	95.9	Pulse	0.10	3
3	Ge	72	152,092.99	0.64	102.8	Pulse	0.10	3
1	Rh	103	4,126,240.67	0.65	100.5	Analog	0.10	3
2	Rh	103	2,534,716.11	0.59	98.7	Analog	0.10	3
1	In	115	4,569,749.14	0.38	108.4	Analog	0.10	3
2	In	115	1,197,634.45	1.72	98.5	Pulse	0.10	3
1	Tb	159	6,845,947.40	1.31	114.1	Analog	0.10	3
2	Tb	159	4,217,917.65	0.66	106.3	Analog	0.10	3
1	Ho	165	6,492,945.74	0.63	115.7	Analog	0.10	3
2	Ho	165	4,098,849.52	0.43	107.5	Analog	0.10	3
1	Bi	209	3,800,355.05	0.22	115.9	Analog	0.10	3
2	Bi	209	2,755,087.67	0.31	108.1	Analog	0.10	3

Quantitation Report

File Name	042SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 18:01
Sample Name	mp68793-mb1 1
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.018	ug/l	-37.03	40.00	2.682E-05	Pulse	0.25	3
B	11	6	1	0.135	ug/l	31.27	2,947.01	1.973E-03	Pulse	0.15	3
Na	23	45	1	24.508	ug/l	5.60	481,874.08	1.571E-01	Pulse	0.10	3
Na	23	45	2	22.195	ug/l	14.15	17,127.41	9.750E-02	Pulse	0.20	3
Mg	24	45	1	6.983	ug/l	7.18	54,487.09	1.776E-02	Pulse	0.10	3
Mg	24	45	2	5.549	ug/l	7.97	1,263.41	7.192E-03	Pulse	0.20	3
Al	27	45	1	22.892	ug/l	5.31	235,550.78	7.678E-02	Pulse	0.10	3
Al	27	45	2	15.929	ug/l	6.36	1,395.08	7.942E-03	Pulse	0.20	3
K	39	45	1	2.516	ug/l	56.68	1,051,202.87	3.428E-01	Pulse	0.10	3
K	39	45	2	4.677	ug/l	7.49	9,099.29	5.180E-02	Pulse	0.20	3
Ca	43	45	1	30.330	ug/l	3.54	958.25	3.124E-04	Pulse	1.50	3
Ca	43	45	2	25.181	ug/l	12.31	19.55	1.113E-04	Pulse	1.50	3
Ca	44	45	1	31.500	ug/l	5.46	16,218.68	5.288E-03	Pulse	0.10	3
Ca	44	45	2	24.285	ug/l	12.03	340.01	1.935E-03	Pulse	0.20	3
Ti	47	45	1	0.388	ug/l	9.75	550.03	1.793E-04	Pulse	0.10	3
Ti	47	45	2	0.413	ug/l	92.95	36.67	2.088E-04	Pulse	0.20	3
V	51	45	2	0.187	ug/l	13.58	775.03	4.412E-03	Pulse	0.20	3
Cr	52	45	2	0.186	ug/l	9.29	3,250.39	1.850E-02	Pulse	0.20	3
Mn	55	45	2	0.354	ug/l	20.68	643.36	3.663E-03	Pulse	0.20	3
Fe	56	45	2	20.849	ug/l	6.13	56,407.47	3.211E-01	Pulse	0.20	3
Co	59	45	2	0.004	ug/l	277.66	88.33	5.024E-04	Pulse	0.20	3
Ni	60	45	2	0.383	ug/l	10.69	653.36	3.719E-03	Pulse	0.20	3
Cu	63	45	2	0.166	ug/l	9.96	628.36	3.577E-03	Pulse	0.20	3
Cu	65	45	2	0.141	ug/l	18.92	288.34	1.642E-03	Pulse	0.20	3
Zn	66	45	2	2.991	ug/l	4.00	1,771.79	1.009E-02	Pulse	0.20	3
As	75	45	2	0.058	ug/l	57.21	34.00	1.936E-04	Pulse	0.50	3
Se	78	45	2	-0.058	ug/l	-168.88	20.33	1.158E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.016	ug/l	34.20	3.33	1.087E-05	Pulse	1.00	3
Sr	88	45	1	0.210	ug/l	1.94	5,557.85	1.812E-03	Pulse	0.10	3
Mo	95	103	1	0.036	ug/l	38.18	313.35	7.410E-05	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	263.57	133.34	2.914E-05	Pulse	0.10	3
Cd	111	115	1	0.015	ug/l	64.65	50.67	1.109E-05	Pulse	0.25	3
Cd	111	115	2	0.009	ug/l	42.93	12.00	9.959E-06	Pulse	0.25	3
Sn	117	115	1	0.146	ug/l	17.99	430.02	9.398E-05	Pulse	0.10	3
Sn	118	115	1	0.149	ug/l	14.75	1,370.11	2.991E-04	Pulse	0.10	3
Sn	118	115	2	0.143	ug/l	6.82	423.36	3.513E-04	Pulse	0.10	3
Sn	119	115	1	0.128	ug/l	29.81	706.71	1.544E-04	Pulse	0.10	3
Sb	121	159	1	0.010	ug/l	63.08	430.02	6.324E-05	Pulse	0.10	3
Ba	137	159	1	0.047	ug/l	80.32	1,086.75	1.598E-04	Pulse	0.10	3
Tl	205	209	1	0.027	ug/l	11.88	1,016.75	2.665E-04	Pulse	0.10	3
Pb	208	209	1	0.062	ug/l	10.54	2,730.20	7.158E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,493,210.26	0.52	84.5	Analog	0.10	3
1	Sc	45	3,067,015.58	0.80	90.0	Analog	0.10	3
2	Sc	45	175,675.90	0.21	91.1	Pulse	0.10	3
3	Sc	45	306,507.44	0.58	102.2	Pulse	0.10	3
1	Ge	72	650,732.54	0.49	96.6	Pulse	0.10	3
2	Ge	72	110,731.30	2.24	95.8	Pulse	0.10	3
3	Ge	72	153,710.29	1.56	103.9	Pulse	0.10	3
1	Rh	103	4,226,622.33	0.91	103.0	Analog	0.10	3
2	Rh	103	2,573,667.20	1.32	100.2	Analog	0.10	3
1	In	115	4,578,891.17	0.81	108.6	Analog	0.10	3
2	In	115	1,205,283.61	0.13	99.1	Pulse	0.10	3
1	Tb	159	6,797,257.61	0.62	113.3	Analog	0.10	3
2	Tb	159	4,160,409.42	0.21	104.9	Analog	0.10	3
1	Ho	165	6,378,163.03	0.56	113.7	Analog	0.10	3
2	Ho	165	4,042,736.09	0.57	106.0	Analog	0.10	3
1	Bi	209	3,814,585.78	0.41	116.4	Analog	0.10	3
2	Bi	209	2,765,348.19	0.12	108.5	Analog	0.10	3

Quantitation Report

File Name	043SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 18:06
Sample Name	mp68793-b1
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	115.084	ug/l	0.25	276,882.00	1.870E-01	Pulse	0.25	3
B	11	6	1	0.633	ug/l	8.20	3,864.98	2.610E-03	Pulse	0.15	3
Na	23	45	1	1891.183	ug/l	1.51	21,128,524.27	6.833E+00	Analog	0.10	3
Na	23	45	2	1993.107	ug/l	0.85	855,573.79	4.767E+00	Pulse	0.20	3
Mg	24	45	1	1888.236	ug/l	1.77	14,240,225.20	4.605E+00	Analog	0.10	3
Mg	24	45	2	1974.250	ug/l	0.57	436,748.98	2.433E+00	Pulse	0.20	3
Al	27	45	1	102.824	ug/l	0.70	1,052,908.19	3.405E-01	Pulse	0.10	3
Al	27	45	2	101.558	ug/l	2.83	8,845.82	4.929E-02	Pulse	0.20	3
K	39	45	1	1879.839	ug/l	1.18	28,056,007.08	9.074E+00	Analog	0.10	3
K	39	45	2	1897.033	ug/l	0.66	465,338.09	2.593E+00	Pulse	0.20	3
Ca	43	45	1	1913.366	ug/l	1.11	55,002.03	1.779E-02	Pulse	1.50	3
Ca	43	45	2	1833.695	ug/l	5.97	1,394.95	7.771E-03	Pulse	1.50	3
Ca	44	45	1	1982.547	ug/l	1.16	894,963.50	2.894E-01	Pulse	0.10	3
Ca	44	45	2	1904.208	ug/l	1.97	25,182.70	1.403E-01	Pulse	0.20	3
Ti	47	45	1	0.212	ug/l	9.31	326.69	1.057E-04	Pulse	0.10	3
Ti	47	45	2	0.202	ug/l	83.23	18.33	1.022E-04	Pulse	0.20	3
V	51	45	2	111.800	ug/l	0.36	297,059.24	1.655E+00	Pulse	0.20	3
Cr	52	45	2	110.532	ug/l	0.99	368,520.53	2.053E+00	Pulse	0.20	3
Mn	55	45	2	108.229	ug/l	0.64	197,444.81	1.100E+00	Pulse	0.20	3
Fe	56	45	2	2060.079	ug/l	0.65	5,469,020.96	3.047E+01	Analog	0.20	3
Co	59	45	2	110.018	ug/l	1.32	545,113.09	3.037E+00	Pulse	0.20	3
Ni	60	45	2	109.646	ug/l	1.10	143,474.67	7.994E-01	Pulse	0.20	3
Cu	63	45	2	111.920	ug/l	0.84	383,344.28	2.136E+00	Pulse	0.20	3
Cu	65	45	2	112.288	ug/l	0.25	190,505.94	1.061E+00	Pulse	0.20	3
Zn	66	45	2	112.446	ug/l	0.41	64,447.84	3.591E-01	Pulse	0.20	3
As	75	45	2	111.715	ug/l	0.92	41,833.43	2.331E-01	Pulse	0.50	3
Se	78	45	2	224.198	ug/l	0.96	7,559.77	4.212E-02	Pulse	1.00	3
Se	78	45	3	228.053	ug/l	1.18	23,037.58	7.483E-02	Pulse	1.00	3
Sr	88	45	1	0.181	ug/l	5.07	4,904.31	1.586E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.038	ug/l	33.52	326.68	7.705E-05	Pulse	0.10	3
Ag	107	115	1	101.606	ug/l	0.92	1,095,502.09	2.397E-01	Pulse	0.10	3
Cd	111	115	1	111.316	ug/l	0.33	257,695.32	5.638E-02	Pulse	0.25	3
Cd	111	115	2	112.670	ug/l	1.23	112,494.09	9.365E-02	Pulse	0.25	3
Sn	117	115	1	0.107	ug/l	15.45	340.02	7.442E-05	Pulse	0.10	3
Sn	118	115	1	0.113	ug/l	5.52	1,103.42	2.414E-04	Pulse	0.10	3
Sn	118	115	2	0.114	ug/l	28.02	353.35	2.939E-04	Pulse	0.10	3
Sn	119	115	1	0.012	ug/l	500.95	406.69	8.890E-05	Pulse	0.10	3
Sb	121	159	1	125.095	ug/l	0.96	985,281.34	1.420E-01	Pulse	0.10	3
Ba	137	159	1	106.160	ug/l	1.77	419,660.06	6.047E-02	Pulse	0.10	3
Tl	205	209	1	98.316	ug/l	2.14	1,937,532.11	5.021E-01	Analog	0.10	3
Pb	208	209	1	107.715	ug/l	0.24	2,898,105.52	7.511E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,480,906.19	0.55	83.8	Analog	0.10	3
1	Sc	45	3,092,087.77	0.11	90.7	Analog	0.10	3
2	Sc	45	179,478.16	0.40	93.1	Pulse	0.10	3
3	Sc	45	307,881.62	0.40	102.6	Pulse	0.10	3
1	Ge	72	653,619.73	0.81	97.0	Pulse	0.10	3
2	Ge	72	109,731.03	1.61	94.9	Pulse	0.10	3
3	Ge	72	152,945.35	1.14	103.4	Pulse	0.10	3
1	Rh	103	4,242,637.02	0.56	103.4	Analog	0.10	3
2	Rh	103	2,584,212.20	1.11	100.6	Analog	0.10	3
1	In	115	4,571,054.49	0.74	108.4	Analog	0.10	3
2	In	115	1,201,224.83	0.93	98.8	Pulse	0.10	3
1	Tb	159	6,939,519.69	0.90	115.7	Analog	0.10	3
2	Tb	159	4,242,729.73	0.75	106.9	Analog	0.10	3
1	Ho	165	6,532,800.53	0.86	116.5	Analog	0.10	3
2	Ho	165	4,111,852.86	0.39	107.9	Analog	0.10	3
1	Bi	209	3,858,278.49	0.90	117.7	Analog	0.10	3
2	Bi	209	2,772,118.40	0.44	108.7	Analog	0.10	3

Quantitation Report

File Name	044SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 18:11
Sample Name	mp68793-s1
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	109.536	ug/l	1.07	282,750.81	1.780E-01	Pulse	0.25	3
B	11	6	1	1162.540	ug/l	1.56	2,364,623.86	1.488E+00	Analog	0.15	3
Na	23	45	1	56757.396	ug/l	0.29	695,858,416.30	2.031E+02	Analog	0.10	3
Na	23	45	2	61657.585	ug/l	1.02	29,855,437.06	1.461E+02	Analog	0.20	3
Mg	24	45	1	1884.894	ug/l	1.01	15,755,399.77	4.597E+00	Analog	0.10	3
Mg	24	45	2	1957.123	ug/l	1.73	492,857.61	2.412E+00	Pulse	0.20	3
Al	27	45	1	102.582	ug/l	0.94	1,164,133.21	3.397E-01	Pulse	0.10	3
Al	27	45	2	105.884	ug/l	1.33	10,498.47	5.138E-02	Pulse	0.20	3
K	39	45	1	1960.640	ug/l	0.53	32,381,586.19	9.449E+00	Analog	0.10	3
K	39	45	2	1982.835	ug/l	1.03	553,251.85	2.708E+00	Pulse	0.20	3
Ca	43	45	1	2787.521	ug/l	0.65	88,761.60	2.590E-02	Pulse	1.50	3
Ca	43	45	2	2807.509	ug/l	0.75	2,430.63	1.190E-02	Pulse	1.50	3
Ca	44	45	1	2795.821	ug/l	1.09	1,397,838.26	4.079E-01	Analog	0.10	3
Ca	44	45	2	2716.572	ug/l	0.75	40,887.03	2.001E-01	Pulse	0.20	3
Ti	47	45	1	1.064	ug/l	11.36	1,583.49	4.615E-04	Pulse	0.10	3
Ti	47	45	2	0.323	ug/l	23.80	33.33	1.634E-04	Pulse	0.20	3
V	51	45	2	101.513	ug/l	0.38	307,090.93	1.503E+00	Pulse	0.20	3
Cr	52	45	2	99.056	ug/l	1.26	376,278.65	1.842E+00	Pulse	0.20	3
Mn	55	45	2	99.087	ug/l	2.12	205,764.23	1.007E+00	Pulse	0.20	3
Fe	56	45	2	1935.566	ug/l	1.12	5,849,562.62	2.863E+01	Analog	0.20	3
Co	59	45	2	98.285	ug/l	1.47	554,349.71	2.713E+00	Pulse	0.20	3
Ni	60	45	2	95.480	ug/l	1.33	142,246.38	6.962E-01	Pulse	0.20	3
Cu	63	45	2	99.031	ug/l	1.59	386,119.63	1.890E+00	Pulse	0.20	3
Cu	65	45	2	98.780	ug/l	2.47	190,762.60	9.338E-01	Pulse	0.20	3
Zn	66	45	2	182.530	ug/l	2.13	119,013.03	5.826E-01	Pulse	0.20	3
As	75	45	2	102.106	ug/l	1.44	43,526.59	2.130E-01	Pulse	0.50	3
Se	78	45	2	190.881	ug/l	1.28	7,332.01	3.588E-02	Pulse	1.00	3
Se	78	45	3	196.650	ug/l	1.44	21,994.48	6.453E-02	Pulse	1.00	3
Sr	88	45	1	7.254	ug/l	1.01	198,759.45	5.801E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	3.675	ug/l	2.99	17,930.71	4.247E-03	Pulse	0.10	3
Ag	107	115	1	71.965	ug/l	8.91	786,254.26	1.698E-01	Pulse	0.10	3
Cd	111	115	1	102.099	ug/l	0.73	239,729.34	5.171E-02	Pulse	0.25	3
Cd	111	115	2	101.147	ug/l	0.98	107,650.02	8.407E-02	Pulse	0.25	3
Sn	117	115	1	0.059	ug/l	34.86	236.68	5.094E-05	Pulse	0.10	3
Sn	118	115	1	0.059	ug/l	29.11	726.71	1.570E-04	Pulse	0.10	3
Sn	118	115	2	0.055	ug/l	46.91	230.01	1.795E-04	Pulse	0.10	3
Sn	119	115	1	-0.011	ug/l	-372.10	350.02	7.575E-05	Pulse	0.10	3
Sb	121	159	1	84.408	ug/l	1.73	667,089.31	9.582E-02	Pulse	0.10	3
Ba	137	159	1	100.077	ug/l	0.19	396,866.46	5.702E-02	Pulse	0.10	3
Tl	205	209	1	97.288	ug/l	0.72	1,883,551.38	4.969E-01	Analog	0.10	3
Pb	208	209	1	100.314	ug/l	0.44	2,652,014.56	6.996E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,588,713.00	1.49	89.9	Analog	0.10	3
1	Sc	45	3,426,846.83	1.88	100.6	Analog	0.10	3
2	Sc	45	204,323.99	1.04	105.9	Pulse	0.10	3
3	Sc	45	340,895.26	1.00	113.6	Pulse	0.10	3
1	Ge	72	697,702.57	0.65	103.6	Pulse	0.10	3
2	Ge	72	121,675.81	1.74	105.2	Pulse	0.10	3
3	Ge	72	164,098.28	0.98	111.0	Pulse	0.10	3
1	Rh	103	4,221,651.92	1.39	102.9	Analog	0.10	3
2	Rh	103	2,634,342.77	0.18	102.6	Analog	0.10	3
1	In	115	4,636,499.76	1.70	109.9	Analog	0.10	3
2	In	115	1,280,501.45	0.34	105.3	Pulse	0.10	3
1	Tb	159	6,960,641.77	1.48	116.0	Analog	0.10	3
2	Tb	159	4,371,052.02	0.48	110.2	Analog	0.10	3
1	Ho	165	6,540,728.65	1.60	116.6	Analog	0.10	3
2	Ho	165	4,242,004.52	0.40	111.3	Analog	0.10	3
1	Bi	209	3,791,123.90	1.32	115.6	Analog	0.10	3
2	Bi	209	2,748,662.46	0.40	107.8	Analog	0.10	3

Quantitation Report

File Name	045SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 18:16
Sample Name	mp68793-s2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	112.838	ug/l	0.73	282,612.87	1.833E-01	Pulse	0.25	3
B	11	6	1	1215.260	ug/l	0.94	2,398,216.08	1.556E+00	Analog	0.15	3
Na	23	45	1	56677.060	ug/l	0.69	694,876,202.98	2.028E+02	Analog	0.10	3
Na	23	45	2	62461.862	ug/l	0.96	30,201,002.05	1.480E+02	Analog	0.20	3
Mg	24	45	1	1892.569	ug/l	0.50	15,818,850.60	4.616E+00	Analog	0.10	3
Mg	24	45	2	1965.556	ug/l	1.13	494,277.16	2.423E+00	Pulse	0.20	3
Al	27	45	1	100.413	ug/l	0.95	1,139,698.08	3.326E-01	Pulse	0.10	3
Al	27	45	2	102.763	ug/l	2.38	10,174.90	4.987E-02	Pulse	0.20	3
K	39	45	1	1959.185	ug/l	0.78	32,358,145.35	9.443E+00	Analog	0.10	3
K	39	45	2	2002.715	ug/l	0.50	557,913.16	2.735E+00	Pulse	0.20	3
Ca	43	45	1	2781.859	ug/l	0.59	88,580.44	2.585E-02	Pulse	1.50	3
Ca	43	45	2	2820.892	ug/l	1.45	2,438.40	1.195E-02	Pulse	1.50	3
Ca	44	45	1	2815.500	ug/l	0.39	1,407,688.83	4.107E-01	Analog	0.10	3
Ca	44	45	2	2790.111	ug/l	1.02	41,931.62	2.055E-01	Pulse	0.20	3
Ti	47	45	1	0.772	ug/l	9.02	1,163.42	3.392E-04	Pulse	0.10	3
Ti	47	45	2	0.032	ug/l	173.21	3.33	1.635E-05	Pulse	0.20	3
V	51	45	2	100.649	ug/l	0.68	304,030.58	1.490E+00	Pulse	0.20	3
Cr	52	45	2	99.281	ug/l	0.21	376,594.55	1.846E+00	Pulse	0.20	3
Mn	55	45	2	98.993	ug/l	0.51	205,292.94	1.006E+00	Pulse	0.20	3
Fe	56	45	2	1934.333	ug/l	0.83	5,837,502.20	2.861E+01	Analog	0.20	3
Co	59	45	2	98.445	ug/l	0.33	554,488.95	2.718E+00	Pulse	0.20	3
Ni	60	45	2	96.454	ug/l	1.27	143,489.78	7.033E-01	Pulse	0.20	3
Cu	63	45	2	98.978	ug/l	0.64	385,376.41	1.889E+00	Pulse	0.20	3
Cu	65	45	2	98.280	ug/l	0.41	189,548.66	9.291E-01	Pulse	0.20	3
Zn	66	45	2	184.171	ug/l	0.51	119,919.72	5.878E-01	Pulse	0.20	3
As	75	45	2	99.984	ug/l	0.38	42,561.96	2.086E-01	Pulse	0.50	3
Se	78	45	2	190.492	ug/l	1.66	7,305.32	3.581E-02	Pulse	1.00	3
Se	78	45	3	194.226	ug/l	0.89	22,049.55	6.373E-02	Pulse	1.00	3
Sr	88	45	1	7.269	ug/l	1.11	199,209.25	5.813E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	3.871	ug/l	0.99	18,868.50	4.472E-03	Pulse	0.10	3
Ag	107	115	1	75.892	ug/l	1.97	828,589.34	1.790E-01	Pulse	0.10	3
Cd	111	115	1	102.174	ug/l	0.35	239,545.45	5.175E-02	Pulse	0.25	3
Cd	111	115	2	101.037	ug/l	0.59	105,703.82	8.398E-02	Pulse	0.25	3
Sn	117	115	1	-0.005	ug/l	-207.26	90.00	1.941E-05	Pulse	0.10	3
Sn	118	115	1	0.017	ug/l	14.69	420.02	9.072E-05	Pulse	0.10	3
Sn	118	115	2	0.008	ug/l	177.46	110.00	8.743E-05	Pulse	0.10	3
Sn	119	115	1	-0.060	ug/l	-21.62	223.34	4.822E-05	Pulse	0.10	3
Sb	121	159	1	89.463	ug/l	1.43	699,921.11	1.016E-01	Pulse	0.10	3
Ba	137	159	1	100.718	ug/l	1.17	395,339.01	5.738E-02	Pulse	0.10	3
Tl	205	209	1	97.703	ug/l	1.77	1,869,270.18	4.990E-01	Analog	0.10	3
Pb	208	209	1	100.402	ug/l	1.15	2,623,184.00	7.002E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,541,587.60	1.57	87.3	Analog	0.10	3
1	Sc	45	3,427,226.82	2.18	100.6	Analog	0.10	3
2	Sc	45	204,023.03	0.56	105.8	Pulse	0.10	3
3	Sc	45	345,993.77	1.02	115.3	Pulse	0.10	3
1	Ge	72	697,048.48	0.96	103.5	Pulse	0.10	3
2	Ge	72	121,621.40	0.58	105.2	Pulse	0.10	3
3	Ge	72	166,072.21	1.37	112.3	Pulse	0.10	3
1	Rh	103	4,220,020.67	1.37	102.8	Analog	0.10	3
2	Rh	103	2,606,581.84	0.27	101.5	Analog	0.10	3
1	In	115	4,629,241.97	0.92	109.8	Analog	0.10	3
2	In	115	1,258,728.78	0.92	103.5	Pulse	0.10	3
1	Tb	159	6,890,742.60	1.84	114.9	Analog	0.10	3
2	Tb	159	4,304,076.08	0.23	108.5	Analog	0.10	3
1	Ho	165	6,484,570.11	2.06	115.6	Analog	0.10	3
2	Ho	165	4,182,497.02	0.43	109.7	Analog	0.10	3
1	Bi	209	3,747,012.03	2.08	114.3	Analog	0.10	3
2	Bi	209	2,738,285.90	0.48	107.4	Analog	0.10	3

Quantitation Report

File Name	046SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 18:22
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.415	ug/l	10.27	1,108.06	7.302E-04	Pulse	0.25	3
B	11	6	1	24.620	ug/l	4.45	50,497.31	3.328E-02	Pulse	0.15	3
Na	23	45	1	215.833	ug/l	9.37	2,616,877.30	8.414E-01	Analog	0.10	3
Na	23	45	2	166.003	ug/l	6.49	77,262.19	4.382E-01	Pulse	0.20	3
Mg	24	45	1	8.337	ug/l	7.85	65,496.22	2.106E-02	Pulse	0.10	3
Mg	24	45	2	6.334	ug/l	6.84	1,438.42	8.159E-03	Pulse	0.20	3
Al	27	45	1	2.092	ug/l	2.33	25,356.76	8.155E-03	Pulse	0.10	3
Al	27	45	2	1.736	ug/l	30.64	191.67	1.089E-03	Pulse	0.20	3
K	39	45	1	3.065	ug/l	22.63	1,073,781.47	3.453E-01	Pulse	0.10	3
K	39	45	2	6.176	ug/l	7.03	9,486.19	5.381E-02	Pulse	0.20	3
Ca	43	45	1	14.996	ug/l	6.73	528.90	1.701E-04	Pulse	1.50	3
Ca	43	45	2	9.036	ug/l	37.72	7.56	4.291E-05	Pulse	1.50	3
Ca	44	45	1	14.249	ug/l	16.94	8,632.64	2.775E-03	Pulse	0.10	3
Ca	44	45	2	7.889	ug/l	21.13	128.33	7.285E-04	Pulse	0.20	3
Ti	47	45	1	0.064	ug/l	42.23	136.67	4.395E-05	Pulse	0.10	3
Ti	47	45	2	0.019	ug/l	173.21	1.67	9.400E-06	Pulse	0.20	3
V	51	45	2	0.368	ug/l	6.07	1,248.41	7.080E-03	Pulse	0.20	3
Cr	52	45	2	1.021	ug/l	5.13	5,974.54	3.389E-02	Pulse	0.20	3
Mn	55	45	2	0.299	ug/l	9.77	546.69	3.100E-03	Pulse	0.20	3
Fe	56	45	2	9.328	ug/l	6.76	26,576.98	1.508E-01	Pulse	0.20	3
Co	59	45	2	0.269	ug/l	10.34	1,380.09	7.827E-03	Pulse	0.20	3
Ni	60	45	2	0.321	ug/l	28.96	576.69	3.270E-03	Pulse	0.20	3
Cu	63	45	2	0.319	ug/l	14.98	1,146.73	6.505E-03	Pulse	0.20	3
Cu	65	45	2	0.319	ug/l	11.90	586.69	3.326E-03	Pulse	0.20	3
Zn	66	45	2	0.708	ug/l	13.72	495.02	2.807E-03	Pulse	0.20	3
As	75	45	2	0.270	ug/l	14.01	112.00	6.351E-04	Pulse	0.50	3
Se	78	45	2	0.870	ug/l	50.13	51.00	2.897E-04	Pulse	1.00	3
Se	78	45	3	0.548	ug/l	12.67	57.33	1.853E-04	Pulse	1.00	3
Sr	88	45	1	0.040	ug/l	20.10	1,416.80	4.557E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.046	ug/l	11.08	363.35	8.604E-05	Pulse	0.10	3
Ag	107	115	1	0.705	ug/l	8.72	7,735.52	1.688E-03	Pulse	0.10	3
Cd	111	115	1	0.380	ug/l	1.31	897.37	1.959E-04	Pulse	0.25	3
Cd	111	115	2	0.288	ug/l	1.00	289.34	2.418E-04	Pulse	0.25	3
Sn	117	115	1	0.030	ug/l	113.23	170.01	3.707E-05	Pulse	0.10	3
Sn	118	115	1	0.043	ug/l	31.33	606.70	1.324E-04	Pulse	0.10	3
Sn	118	115	2	0.035	ug/l	66.87	166.68	1.392E-04	Pulse	0.10	3
Sn	119	115	1	-0.071	ug/l	-26.10	193.34	4.223E-05	Pulse	0.10	3
Sb	121	159	1	1.940	ug/l	3.93	15,107.77	2.253E-03	Pulse	0.10	3
Ba	137	159	1	0.324	ug/l	18.25	2,126.90	3.173E-04	Pulse	0.10	3
Tl	205	209	1	0.410	ug/l	9.02	8,429.46	2.225E-03	Pulse	0.10	3
Pb	208	209	1	0.391	ug/l	8.26	11,388.84	3.007E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,517,348.60	0.37	85.9	Analog	0.10	3
1	Sc	45	3,109,361.93	0.72	91.3	Analog	0.10	3
2	Sc	45	176,284.19	0.80	91.4	Pulse	0.10	3
3	Sc	45	309,615.62	0.95	103.2	Pulse	0.10	3
1	Ge	72	655,799.94	0.45	97.3	Pulse	0.10	3
2	Ge	72	110,862.27	1.91	95.9	Pulse	0.10	3
3	Ge	72	152,858.18	0.60	103.4	Pulse	0.10	3
1	Rh	103	4,222,681.81	0.37	102.9	Analog	0.10	3
2	Rh	103	2,565,996.47	0.14	99.9	Analog	0.10	3
1	In	115	4,580,398.94	0.40	108.6	Analog	0.10	3
2	In	115	1,196,757.10	0.39	98.4	Pulse	0.10	3
1	Tb	159	6,706,679.69	0.86	111.8	Analog	0.10	3
2	Tb	159	4,146,967.33	0.66	104.5	Analog	0.10	3
1	Ho	165	6,319,891.36	1.02	112.7	Analog	0.10	3
2	Ho	165	4,014,057.34	0.25	105.3	Analog	0.10	3
1	Bi	209	3,788,577.96	0.70	115.6	Analog	0.10	3
2	Bi	209	2,736,073.08	0.39	107.3	Analog	0.10	3

Quantitation Report

File Name	047SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 18:27
Sample Name	mc17067-16
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.051	ug/l	34.18	213.34	1.388E-04	Pulse	0.25	3
B	11	6	1	1212.783	ug/l	2.02	2,393,122.75	1.552E+00	Analog	0.15	3
Na	23	45	1	56186.191	ug/l	0.31	670,394,723.34	2.010E+02	Analog	0.10	3
Na	23	45	2	61606.594	ug/l	0.92	29,595,875.39	1.460E+02	Analog	0.20	3
Mg	24	45	1	11.594	ug/l	1.45	96,711.09	2.900E-02	Pulse	0.10	3
Mg	24	45	2	11.163	ug/l	3.08	2,860.30	1.411E-02	Pulse	0.20	3
Al	27	45	1	8.610	ug/l	5.51	98,897.71	2.966E-02	Pulse	0.10	3
Al	27	45	2	7.894	ug/l	7.25	823.37	4.062E-03	Pulse	0.20	3
K	39	45	1	96.646	ug/l	1.35	2,602,804.55	7.805E-01	Analog	0.10	3
K	39	45	2	110.514	ug/l	2.94	39,306.35	1.939E-01	Pulse	0.20	3
Ca	43	45	1	953.233	ug/l	0.83	29,607.57	8.877E-03	Pulse	1.50	3
Ca	43	45	2	984.563	ug/l	3.64	846.24	4.175E-03	Pulse	1.50	3
Ca	44	45	1	1005.901	ug/l	0.48	490,945.67	1.472E-01	Pulse	0.10	3
Ca	44	45	2	927.858	ug/l	2.56	13,874.37	6.845E-02	Pulse	0.20	3
Ti	47	45	1	0.808	ug/l	10.14	1,183.43	3.546E-04	Pulse	0.10	3
Ti	47	45	2	0.049	ug/l	100.06	5.00	2.470E-05	Pulse	0.20	3
V	51	45	2	0.041	ug/l	53.56	455.02	2.244E-03	Pulse	0.20	3
Cr	52	45	2	0.945	ug/l	13.91	6,589.78	3.251E-02	Pulse	0.20	3
Mn	55	45	2	0.509	ug/l	9.90	1,060.06	5.230E-03	Pulse	0.20	3
Fe	56	45	2	24.064	ug/l	1.73	74,725.44	3.687E-01	Pulse	0.20	3
Co	59	45	2	0.056	ug/l	18.53	393.35	1.941E-03	Pulse	0.20	3
Ni	60	45	2	0.060	ug/l	53.78	276.68	1.365E-03	Pulse	0.20	3
Cu	63	45	2	1.201	ug/l	6.39	4,727.44	2.332E-02	Pulse	0.20	3
Cu	65	45	2	1.172	ug/l	8.91	2,308.54	1.139E-02	Pulse	0.20	3
Zn	66	45	2	88.185	ug/l	0.64	57,107.55	2.817E-01	Pulse	0.20	3
As	75	45	2	0.502	ug/l	14.79	226.67	1.118E-03	Pulse	0.50	3
Se	78	45	2	0.114	ug/l	167.34	30.00	1.480E-04	Pulse	1.00	3
Se	78	45	3	0.137	ug/l	37.64	17.67	5.048E-05	Pulse	1.00	3
Sr	88	45	1	7.468	ug/l	1.01	199,149.33	5.972E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	4.047	ug/l	2.30	19,399.02	4.673E-03	Pulse	0.10	3
Ag	107	115	1	0.081	ug/l	4.26	1,010.08	2.185E-04	Pulse	0.10	3
Cd	111	115	1	0.080	ug/l	19.54	204.00	4.420E-05	Pulse	0.25	3
Cd	111	115	2	0.085	ug/l	14.67	93.33	7.257E-05	Pulse	0.25	3
Sn	117	115	1	0.003	ug/l	506.75	110.01	2.380E-05	Pulse	0.10	3
Sn	118	115	1	0.016	ug/l	56.68	413.36	8.957E-05	Pulse	0.10	3
Sn	118	115	2	0.006	ug/l	142.54	106.67	8.297E-05	Pulse	0.10	3
Sn	119	115	1	-0.067	ug/l	-22.44	203.34	4.405E-05	Pulse	0.10	3
Sb	121	159	1	0.260	ug/l	4.66	2,383.63	3.466E-04	Pulse	0.10	3
Ba	137	159	1	0.816	ug/l	5.88	4,107.38	5.972E-04	Pulse	0.10	3
Tl	205	209	1	0.157	ug/l	8.25	3,433.87	9.294E-04	Pulse	0.10	3
Pb	208	209	1	0.456	ug/l	5.24	12,789.41	3.460E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,541,302.56	1.79	87.3	Analog	0.10	3
1	Sc	45	3,335,041.10	2.36	97.9	Analog	0.10	3
2	Sc	45	202,703.22	0.20	105.1	Pulse	0.10	3
3	Sc	45	349,484.18	0.65	116.5	Pulse	0.10	3
1	Ge	72	686,070.95	1.93	101.8	Pulse	0.10	3
2	Ge	72	123,119.61	0.71	106.5	Pulse	0.10	3
3	Ge	72	167,866.61	0.51	113.5	Pulse	0.10	3
1	Rh	103	4,150,642.23	1.27	101.1	Analog	0.10	3
2	Rh	103	2,615,402.51	0.27	101.8	Analog	0.10	3
1	In	115	4,621,989.35	1.43	109.6	Analog	0.10	3
2	In	115	1,286,635.18	0.64	105.8	Pulse	0.10	3
1	Tb	159	6,878,204.69	0.80	114.7	Analog	0.10	3
2	Tb	159	4,354,680.87	0.54	109.8	Analog	0.10	3
1	Ho	165	6,512,253.86	1.40	116.1	Analog	0.10	3
2	Ho	165	4,218,919.94	0.61	110.7	Analog	0.10	3
1	Bi	209	3,696,055.99	2.16	112.7	Analog	0.10	3
2	Bi	209	2,764,717.77	0.33	108.4	Analog	0.10	3

Quantitation Report

File Name	048SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 18:32
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	57.620	ug/l	0.66	148,650.89	9.364E-02	Pulse	0.25	3
B	11	6	1	85.889	ug/l	0.69	177,191.27	1.116E-01	Pulse	0.15	3
Na	23	45	1	5125.633	ug/l	0.67	61,291,375.75	1.840E+01	Analog	0.10	3
Na	23	45	2	5444.433	ug/l	0.55	2,476,841.58	1.294E+01	Analog	0.20	3
Mg	24	45	1	4879.669	ug/l	0.38	39,638,645.24	1.190E+01	Analog	0.10	3
Mg	24	45	2	5191.678	ug/l	0.53	1,224,383.45	6.399E+00	Pulse	0.20	3
Al	27	45	1	4819.325	ug/l	0.89	52,969,990.88	1.590E+01	Analog	0.10	3
Al	27	45	2	4983.103	ug/l	0.42	460,492.77	2.406E+00	Pulse	0.20	3
K	39	45	1	4939.631	ug/l	1.08	77,620,878.84	2.330E+01	Analog	0.10	3
K	39	45	2	5055.720	ug/l	0.18	1,307,698.70	6.834E+00	Analog	0.20	3
Ca	43	45	1	5033.318	ug/l	0.17	155,693.32	4.674E-02	Pulse	1.50	3
Ca	43	45	2	5317.524	ug/l	1.44	4,310.12	2.253E-02	Pulse	1.50	3
Ca	44	45	1	5065.665	ug/l	0.52	2,459,740.27	7.385E-01	Analog	0.10	3
Ca	44	45	2	5117.820	ug/l	3.82	72,097.18	3.769E-01	Pulse	0.20	3
Ti	47	45	1	51.574	ug/l	0.75	71,775.56	2.155E-02	Pulse	0.10	3
Ti	47	45	2	52.892	ug/l	1.41	5,117.55	2.674E-02	Pulse	0.20	3
V	51	45	2	53.552	ug/l	0.77	151,864.04	7.937E-01	Pulse	0.20	3
Cr	52	45	2	53.727	ug/l	1.17	192,465.46	1.006E+00	Pulse	0.20	3
Mn	55	45	2	52.932	ug/l	1.19	102,966.96	5.381E-01	Pulse	0.20	3
Fe	56	45	2	5135.575	ug/l	1.25	14,531,112.70	7.594E+01	Analog	0.20	3
Co	59	45	2	53.177	ug/l	1.05	280,935.80	1.468E+00	Pulse	0.20	3
Ni	60	45	2	52.118	ug/l	1.33	72,805.55	3.805E-01	Pulse	0.20	3
Cu	63	45	2	52.753	ug/l	0.26	192,685.09	1.007E+00	Pulse	0.20	3
Cu	65	45	2	52.823	ug/l	0.28	95,578.24	4.995E-01	Pulse	0.20	3
Zn	66	45	2	53.614	ug/l	1.31	32,814.69	1.715E-01	Pulse	0.20	3
As	75	45	2	52.756	ug/l	1.02	21,070.34	1.101E-01	Pulse	0.50	3
Se	78	45	2	50.169	ug/l	2.81	1,822.11	9.524E-03	Pulse	1.00	3
Se	78	45	3	50.181	ug/l	3.43	5,513.95	1.647E-02	Pulse	1.00	3
Sr	88	45	1	57.624	ug/l	0.67	1,531,754.67	4.599E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	53.714	ug/l	0.64	267,498.40	6.162E-02	Pulse	0.10	3
Ag	107	115	1	50.255	ug/l	0.75	561,426.16	1.185E-01	Pulse	0.10	3
Cd	111	115	1	52.845	ug/l	0.42	126,761.75	2.676E-02	Pulse	0.25	3
Cd	111	115	2	53.557	ug/l	1.18	55,191.80	4.452E-02	Pulse	0.25	3
Sn	117	115	1	52.822	ug/l	0.80	122,960.95	2.596E-02	Pulse	0.10	3
Sn	118	115	1	53.354	ug/l	0.42	396,850.62	8.380E-02	Pulse	0.10	3
Sn	118	115	2	53.794	ug/l	1.43	130,692.78	1.054E-01	Pulse	0.10	3
Sn	119	115	1	54.258	ug/l	2.28	145,959.39	3.082E-02	Pulse	0.10	3
Sb	121	159	1	59.284	ug/l	0.61	473,859.88	6.732E-02	Pulse	0.10	3
Ba	137	159	1	51.111	ug/l	0.91	205,438.15	2.918E-02	Pulse	0.10	3
Tl	205	209	1	48.572	ug/l	2.54	960,425.01	2.481E-01	Pulse	0.10	3
Pb	208	209	1	53.183	ug/l	0.99	1,436,037.20	3.710E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,587,519.91	0.77	89.9	Analog	0.10	3
1	Sc	45	3,330,835.16	0.55	97.8	Analog	0.10	3
2	Sc	45	191,354.70	1.05	99.2	Pulse	0.10	3
3	Sc	45	334,754.77	0.54	111.6	Pulse	0.10	3
1	Ge	72	688,075.93	0.98	102.1	Pulse	0.10	3
2	Ge	72	115,127.86	1.12	99.6	Pulse	0.10	3
3	Ge	72	161,764.61	1.10	109.4	Pulse	0.10	3
1	Rh	103	4,341,377.43	0.61	105.8	Analog	0.10	3
2	Rh	103	2,647,430.38	0.60	103.1	Analog	0.10	3
1	In	115	4,735,980.16	1.35	112.3	Analog	0.10	3
2	In	115	1,239,783.64	0.40	102.0	Pulse	0.10	3
1	Tb	159	7,039,481.98	0.82	117.4	Analog	0.10	3
2	Tb	159	4,356,357.64	0.75	109.8	Analog	0.10	3
1	Ho	165	6,694,351.78	0.85	119.3	Analog	0.10	3
2	Ho	165	4,218,238.06	0.68	110.6	Analog	0.10	3
1	Bi	209	3,870,581.51	0.48	118.1	Analog	0.10	3
2	Bi	209	2,808,482.88	0.75	110.1	Analog	0.10	3

Quantitation Report

File Name	049SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 18:37
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.148	ug/l	15.18	460.01	2.963E-04	Pulse	0.25	3
B	11	6	1	15.175	ug/l	0.05	32,910.12	2.120E-02	Pulse	0.15	3
Na	23	45	1	57.217	ug/l	12.50	887,592.22	2.741E-01	Pulse	0.10	3
Na	23	45	2	43.862	ug/l	4.71	28,441.27	1.488E-01	Pulse	0.20	3
Mg	24	45	1	14.784	ug/l	12.22	119,097.39	3.678E-02	Pulse	0.10	3
Mg	24	45	2	10.210	ug/l	3.24	2,471.90	1.294E-02	Pulse	0.20	3
Al	27	45	1	14.654	ug/l	9.82	160,624.37	4.960E-02	Pulse	0.10	3
Al	27	45	2	9.260	ug/l	15.53	903.38	4.722E-03	Pulse	0.20	3
K	39	45	1	11.174	ug/l	24.40	1,240,897.33	3.830E-01	Pulse	0.10	3
K	39	45	2	9.957	ug/l	11.47	11,252.31	5.889E-02	Pulse	0.20	3
Ca	43	45	1	17.273	ug/l	9.37	619.35	1.912E-04	Pulse	1.50	3
Ca	43	45	2	12.116	ug/l	24.90	10.67	5.595E-05	Pulse	1.50	3
Ca	44	45	1	15.988	ug/l	11.68	9,810.01	3.029E-03	Pulse	0.10	3
Ca	44	45	2	6.021	ug/l	37.89	113.33	5.910E-04	Pulse	0.20	3
Ti	47	45	1	0.205	ug/l	19.19	333.35	1.028E-04	Pulse	0.10	3
Ti	47	45	2	0.104	ug/l	49.80	10.00	5.242E-05	Pulse	0.20	3
V	51	45	2	0.192	ug/l	3.49	856.71	4.484E-03	Pulse	0.20	3
Cr	52	45	2	0.281	ug/l	5.27	3,870.53	2.026E-02	Pulse	0.20	3
Mn	55	45	2	0.105	ug/l	14.34	215.01	1.125E-03	Pulse	0.20	3
Fe	56	45	2	11.288	ug/l	3.87	34,341.30	1.798E-01	Pulse	0.20	3
Co	59	45	2	0.091	ug/l	21.02	558.36	2.925E-03	Pulse	0.20	3
Ni	60	45	2	0.095	ug/l	23.71	310.01	1.623E-03	Pulse	0.20	3
Cu	63	45	2	0.132	ug/l	9.83	561.69	2.937E-03	Pulse	0.20	3
Cu	65	45	2	0.120	ug/l	15.96	275.01	1.441E-03	Pulse	0.20	3
Zn	66	45	2	0.170	ug/l	4.45	208.34	1.090E-03	Pulse	0.20	3
As	75	45	2	0.149	ug/l	27.64	73.33	3.832E-04	Pulse	0.50	3
Se	78	45	2	0.164	ug/l	138.50	30.00	1.574E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.138	ug/l	48.00	16.67	5.079E-05	Pulse	1.00	3
Sr	88	45	1	0.174	ug/l	9.42	4,950.98	1.529E-03	Pulse	0.10	3
Mo	95	103	1	0.213	ug/l	13.93	1,216.76	2.776E-04	Pulse	0.10	3
Ag	107	115	1	0.153	ug/l	7.06	1,843.51	3.871E-04	Pulse	0.10	3
Cd	111	115	1	0.170	ug/l	18.02	425.35	8.934E-05	Pulse	0.25	3
Cd	111	115	2	0.117	ug/l	25.20	126.67	9.952E-05	Pulse	0.25	3
Sn	117	115	1	0.259	ug/l	23.57	710.05	1.491E-04	Pulse	0.10	3
Sn	118	115	1	0.250	ug/l	13.82	2,176.91	4.569E-04	Pulse	0.10	3
Sn	118	115	2	0.219	ug/l	29.01	636.71	5.007E-04	Pulse	0.10	3
Sn	119	115	1	0.217	ug/l	36.02	976.74	2.052E-04	Pulse	0.10	3
Sb	121	159	1	0.322	ug/l	6.56	2,923.74	4.179E-04	Pulse	0.10	3
Ba	137	159	1	0.118	ug/l	46.84	1,400.12	2.002E-04	Pulse	0.10	3
Tl	205	209	1	0.500	ug/l	3.14	10,494.15	2.682E-03	Pulse	0.10	3
Pb	208	209	1	0.145	ug/l	9.67	5,043.87	1.289E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,552,083.72	0.35	87.9	Analog	0.10	3
1	Sc	45	3,240,312.45	0.98	95.1	Analog	0.10	3
2	Sc	45	191,051.83	1.99	99.1	Pulse	0.10	3
3	Sc	45	328,880.55	0.88	109.6	Pulse	0.10	3
1	Ge	72	682,451.45	0.81	101.3	Pulse	0.10	3
2	Ge	72	117,252.60	0.50	101.4	Pulse	0.10	3
3	Ge	72	161,295.88	0.37	109.1	Pulse	0.10	3
1	Rh	103	4,383,816.29	0.37	106.8	Analog	0.10	3
2	Rh	103	2,708,475.79	0.86	105.4	Analog	0.10	3
1	In	115	4,762,675.29	0.45	112.9	Analog	0.10	3
2	In	115	1,271,303.05	0.74	104.5	Pulse	0.10	3
1	Tb	159	6,997,815.10	0.85	116.7	Analog	0.10	3
2	Tb	159	4,324,645.25	0.84	109.0	Analog	0.10	3
1	Ho	165	6,623,509.28	1.04	118.1	Analog	0.10	3
2	Ho	165	4,204,627.64	0.80	110.3	Analog	0.10	3
1	Bi	209	3,912,693.17	0.45	119.4	Analog	0.10	3
2	Bi	209	2,849,418.81	0.18	111.7	Analog	0.10	3

Quantitation Report

File Name	050SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 18:42
Sample Name	CRI 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.690	ug/l	5.51	1,808.13	1.176E-03	Pulse	0.25	3
B	11	6	1	16.079	ug/l	4.12	34,370.75	2.236E-02	Pulse	0.15	3
Na	23	45	1	275.878	ug/l	0.69	3,428,566.93	1.056E+00	Analog	0.10	3
Na	23	45	2	290.872	ug/l	0.56	139,999.98	7.341E-01	Pulse	0.20	3
Mg	24	45	1	262.564	ug/l	0.19	2,081,025.70	6.410E-01	Analog	0.10	3
Mg	24	45	2	272.436	ug/l	1.22	64,102.79	3.361E-01	Pulse	0.20	3
Al	27	45	1	29.345	ug/l	1.44	318,381.53	9.808E-02	Pulse	0.10	3
Al	27	45	2	28.460	ug/l	7.26	2,668.59	1.399E-02	Pulse	0.20	3
K	39	45	1	259.824	ug/l	0.57	4,997,478.68	1.539E+00	Analog	0.10	3
K	39	45	2	270.126	ug/l	1.59	77,855.09	4.082E-01	Pulse	0.20	3
Ca	43	45	1	269.134	ug/l	1.61	8,208.46	2.529E-03	Pulse	1.50	3
Ca	43	45	2	306.200	ug/l	3.87	248.23	1.302E-03	Pulse	1.50	3
Ca	44	45	1	281.653	ug/l	1.91	135,448.33	4.172E-02	Pulse	0.10	3
Ca	44	45	2	279.269	ug/l	3.36	3,948.88	2.070E-02	Pulse	0.20	3
Ti	47	45	1	0.992	ug/l	12.55	1,400.12	4.313E-04	Pulse	0.10	3
Ti	47	45	2	1.106	ug/l	7.23	106.67	5.593E-04	Pulse	0.20	3
V	51	45	2	1.270	ug/l	3.91	3,895.54	2.043E-02	Pulse	0.20	3
Cr	52	45	2	1.319	ug/l	1.88	7,515.17	3.940E-02	Pulse	0.20	3
Mn	55	45	2	0.636	ug/l	4.83	1,245.07	6.528E-03	Pulse	0.20	3
Fe	56	45	2	32.565	ug/l	0.52	94,278.80	4.943E-01	Pulse	0.20	3
Co	59	45	2	0.597	ug/l	0.18	3,222.05	1.689E-02	Pulse	0.20	3
Ni	60	45	2	1.439	ug/l	5.86	2,175.19	1.140E-02	Pulse	0.20	3
Cu	63	45	2	1.265	ug/l	4.82	4,680.75	2.454E-02	Pulse	0.20	3
Cu	65	45	2	1.235	ug/l	1.40	2,285.21	1.198E-02	Pulse	0.20	3
Zn	66	45	2	3.419	ug/l	0.78	2,183.52	1.145E-02	Pulse	0.20	3
As	75	45	2	0.659	ug/l	5.12	276.00	1.447E-03	Pulse	0.50	3
Se	78	45	2	0.462	ug/l	54.55	40.67	2.132E-04	Pulse	1.00	3
Se	78	45	3	0.624	ug/l	2.11	69.00	2.102E-04	Pulse	1.00	3
Sr	88	45	1	6.054	ug/l	0.84	157,252.64	4.844E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.170	ug/l	2.31	6,064.75	1.374E-03	Pulse	0.10	3
Ag	107	115	1	0.616	ug/l	8.00	7,021.84	1.481E-03	Pulse	0.10	3
Cd	111	115	1	0.641	ug/l	4.16	1,556.10	3.279E-04	Pulse	0.25	3
Cd	111	115	2	0.621	ug/l	17.08	656.02	5.185E-04	Pulse	0.25	3
Sn	117	115	1	5.312	ug/l	6.76	12,478.72	2.631E-03	Pulse	0.10	3
Sn	118	115	1	5.316	ug/l	1.99	39,881.47	8.407E-03	Pulse	0.10	3
Sn	118	115	2	5.172	ug/l	1.26	12,912.45	1.020E-02	Pulse	0.10	3
Sn	119	115	1	5.208	ug/l	1.03	14,390.43	3.033E-03	Pulse	0.10	3
Sb	121	159	1	0.810	ug/l	3.65	6,791.73	9.713E-04	Pulse	0.10	3
Ba	137	159	1	1.076	ug/l	2.73	5,211.06	7.452E-04	Pulse	0.10	3
Tl	205	209	1	0.578	ug/l	3.73	12,025.31	3.078E-03	Pulse	0.10	3
Pb	208	209	1	0.619	ug/l	2.40	17,945.05	4.595E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,537,724.45	1.28	87.1	Analog	0.10	3
1	Sc	45	3,246,387.25	0.51	95.3	Analog	0.10	3
2	Sc	45	190,718.43	0.17	98.9	Pulse	0.10	3
3	Sc	45	328,240.76	1.09	109.4	Pulse	0.10	3
1	Ge	72	679,653.74	0.46	100.9	Pulse	0.10	3
2	Ge	72	114,424.48	0.16	99.0	Pulse	0.10	3
3	Ge	72	158,319.44	1.68	107.0	Pulse	0.10	3
1	Rh	103	4,414,026.50	1.60	107.6	Analog	0.10	3
2	Rh	103	2,691,011.83	0.41	104.8	Analog	0.10	3
1	In	115	4,744,222.11	0.69	112.5	Analog	0.10	3
2	In	115	1,266,035.27	0.60	104.1	Pulse	0.10	3
1	Tb	159	6,992,488.23	0.64	116.6	Analog	0.10	3
2	Tb	159	4,303,689.42	1.00	108.5	Analog	0.10	3
1	Ho	165	6,566,040.53	0.24	117.0	Analog	0.10	3
2	Ho	165	4,155,970.25	0.97	109.0	Analog	0.10	3
1	Bi	209	3,905,202.34	1.22	119.1	Analog	0.10	3
2	Bi	209	2,838,111.52	0.31	111.3	Analog	0.10	3

Quantitation Report

File Name	051SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 18:47
Sample Name	mp68786a-mb1 2
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.035	ug/l	-26.73	37.33	2.752E-05	Pulse	0.25	3
B	11	6	1	23.519	ug/l	2.89	22,871.45	1.684E-02	Pulse	0.15	3
Na	23	45	1	11.026	ug/l	16.40	253,458.66	8.917E-02	Pulse	0.10	3
Na	23	45	2	14.279	ug/l	5.81	10,313.34	6.183E-02	Pulse	0.20	3
Mg	24	45	1	2.886	ug/l	11.26	12,081.53	4.251E-03	Pulse	0.10	3
Mg	24	45	2	1.905	ug/l	18.75	255.01	1.528E-03	Pulse	0.20	3
Al	27	45	1	8.778	ug/l	106.87	44,526.61	1.573E-02	Pulse	0.10	3
Al	27	45	2	3.764	ug/l	13.23	193.34	1.159E-03	Pulse	0.20	3
K	39	45	1	6.304	ug/l	30.56	982,709.36	3.457E-01	Pulse	0.10	3
K	39	45	2	10.456	ug/l	17.06	8,762.47	5.254E-02	Pulse	0.20	3
Ca	43	45	1	12.938	ug/l	13.07	258.45	9.094E-05	Pulse	1.50	3
Ca	43	45	2	14.842	ug/l	56.02	6.00	3.607E-05	Pulse	1.50	3
Ca	44	45	1	10.160	ug/l	12.15	4,094.00	1.440E-03	Pulse	0.10	3
Ca	44	45	2	6.849	ug/l	38.64	66.67	3.999E-04	Pulse	0.20	3
Ti	47	45	1	0.120	ug/l	51.07	120.01	4.226E-05	Pulse	0.10	3
Ti	47	45	2	0.119	ug/l	99.77	5.00	3.009E-05	Pulse	0.20	3
V	51	45	2	0.816	ug/l	3.75	1,280.08	7.675E-03	Pulse	0.20	3
Cr	52	45	2	7.377	ug/l	2.82	13,861.09	8.309E-02	Pulse	0.20	3
Mn	55	45	2	0.163	ug/l	27.63	148.34	8.898E-04	Pulse	0.20	3
Fe	56	45	2	5.575	ug/l	6.11	9,020.96	5.407E-02	Pulse	0.20	3
Co	59	45	2	-0.005	ug/l	-238.26	56.67	3.393E-04	Pulse	0.20	3
Ni	60	45	2	0.069	ug/l	46.66	196.67	1.179E-03	Pulse	0.20	3
Cu	63	45	2	0.228	ug/l	12.21	431.68	2.590E-03	Pulse	0.20	3
Cu	65	45	2	0.215	ug/l	13.31	221.67	1.328E-03	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.746	ug/l	26.79	290.01	1.737E-03	Pulse	0.20	3
As	75	45	2	0.165	ug/l	60.72	40.67	2.439E-04	Pulse	0.50	3
Se	78	45	2	-0.135	ug/l	-179.15	19.00	1.140E-04	Pulse	1.00	3
Se	78	45	3	0.138	ug/l	77.43	8.33	2.818E-05	Pulse	1.00	3
Sr	88	45	1	0.049	ug/l	8.87	950.07	3.343E-04	Pulse	0.10	3
Mo	95	103	1	0.115	ug/l	3.10	400.02	9.934E-05	Pulse	0.10	3
Ag	107	115	1	0.030	ug/l	10.98	270.01	6.160E-05	Pulse	0.10	3
Cd	111	115	1	0.027	ug/l	55.26	45.33	1.034E-05	Pulse	0.25	3
Cd	111	115	2	0.025	ug/l	19.50	14.67	1.277E-05	Pulse	0.25	3
Sn	117	115	1	0.638	ug/l	18.35	783.39	1.787E-04	Pulse	0.10	3
Sn	118	115	1	0.568	ug/l	8.52	2,236.91	5.104E-04	Pulse	0.10	3
Sn	118	115	2	0.556	ug/l	16.30	706.71	6.152E-04	Pulse	0.10	3
Sn	119	115	1	0.368	ug/l	10.02	816.73	1.864E-04	Pulse	0.10	3
Sb	121	159	1	0.528	ug/l	12.20	2,330.27	3.516E-04	Pulse	0.10	3
Ba	137	159	1	-0.081	ug/l	-44.96	730.05	1.102E-04	Pulse	0.10	3
Tl	205	209	1	0.244	ug/l	2.30	2,803.72	7.533E-04	Pulse	0.10	3
Pb	208	209	1	-0.002	ug/l	-801.77	1,016.73	2.736E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,358,674.76	0.98	76.9	Analog	0.10	3
1	Sc	45	2,842,598.29	0.75	83.4	Analog	0.10	3
2	Sc	45	166,805.62	0.93	86.5	Pulse	0.10	3
3	Sc	45	296,520.42	0.66	98.8	Pulse	0.10	3
1	Ge	72	645,697.97	0.59	95.8	Pulse	0.10	3
2	Ge	72	108,927.08	1.27	94.2	Pulse	0.10	3
3	Ge	72	152,656.66	0.58	103.2	Pulse	0.10	3
1	Rh	103	4,026,355.46	0.44	98.1	Analog	0.10	3
2	Rh	103	2,448,453.97	0.48	95.3	Analog	0.10	3
1	In	115	4,382,758.31	0.28	103.9	Analog	0.10	3
2	In	115	1,149,040.66	0.49	94.5	Pulse	0.10	3
1	Tb	159	6,623,032.61	0.91	110.4	Analog	0.10	3
2	Tb	159	4,033,694.01	0.60	101.7	Analog	0.10	3
1	Ho	165	6,216,353.03	0.25	110.8	Analog	0.10	3
2	Ho	165	3,917,737.34	0.52	102.8	Analog	0.10	3
1	Bi	209	3,721,736.51	1.07	113.5	Analog	0.10	3
2	Bi	209	2,673,271.42	0.80	104.8	Analog	0.10	3

Quantitation Report

File Name	052SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 18:52
Sample Name	mp68786a-mb2
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.029	ug/l	-76.58	45.33	3.292E-05	Pulse	0.25	3
B	11	6	1	18.025	ug/l	4.07	18,347.97	1.332E-02	Pulse	0.15	3
Na	23	45	1	-0.054	ug/l	-1334.74	203,741.62	6.936E-02	Pulse	0.10	3
Na	23	45	2	4.838	ug/l	28.90	8,800.81	5.065E-02	Pulse	0.20	3
Mg	24	45	1	1.404	ug/l	18.88	7,181.80	2.445E-03	Pulse	0.10	3
Mg	24	45	2	0.982	ug/l	22.99	166.67	9.587E-04	Pulse	0.20	3
Al	27	45	1	2.335	ug/l	12.95	14,993.98	5.104E-03	Pulse	0.10	3
Al	27	45	2	2.149	ug/l	42.72	133.33	7.692E-04	Pulse	0.20	3
K	39	45	1	-1.750	ug/l	-48.69	960,590.90	3.270E-01	Pulse	0.10	3
K	39	45	2	4.873	ug/l	35.52	8,475.65	4.879E-02	Pulse	0.20	3
Ca	43	45	1	9.511	ug/l	14.16	220.45	7.504E-05	Pulse	1.50	3
Ca	43	45	2	9.882	ug/l	38.01	4.44	2.556E-05	Pulse	1.50	3
Ca	44	45	1	10.315	ug/l	8.70	4,264.06	1.451E-03	Pulse	0.10	3
Ca	44	45	2	5.615	ug/l	42.90	61.67	3.544E-04	Pulse	0.20	3
Ti	47	45	1	0.070	ug/l	87.81	93.34	3.177E-05	Pulse	0.10	3
Ti	47	45	2	0.152	ug/l	44.45	6.67	3.849E-05	Pulse	0.20	3
V	51	45	2	0.817	ug/l	12.10	1,335.08	7.681E-03	Pulse	0.20	3
Cr	52	45	2	5.652	ug/l	1.49	11,671.01	6.718E-02	Pulse	0.20	3
Mn	55	45	2	0.080	ug/l	16.81	81.67	4.698E-04	Pulse	0.20	3
Fe	56	45	2	2.974	ug/l	4.71	6,051.21	3.484E-02	Pulse	0.20	3
Co	59	45	2	-0.009	ug/l	-32.83	48.33	2.779E-04	Pulse	0.20	3
Ni	60	45	2	1.494	ug/l	14.44	1,105.06	6.367E-03	Pulse	0.20	3
Cu	63	45	2	4.334	ug/l	4.10	7,253.41	4.176E-02	Pulse	0.20	3
Cu	65	45	2	4.391	ug/l	0.68	3,658.81	2.106E-02	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.793	ug/l	31.97	315.01	1.812E-03	Pulse	0.20	3
As	75	45	2	0.118	ug/l	32.14	34.00	1.955E-04	Pulse	0.50	3
Se	78	45	2	-0.123	ug/l	-57.13	20.00	1.152E-04	Pulse	1.00	3
Se	78	45	3	0.091	ug/l	87.32	6.33	2.057E-05	Pulse	1.00	3
Sr	88	45	1	0.039	ug/l	10.86	863.40	2.939E-04	Pulse	0.10	3
Mo	95	103	1	0.057	ug/l	32.76	273.35	6.589E-05	Pulse	0.10	3
Ag	107	115	1	0.007	ug/l	40.21	156.68	3.449E-05	Pulse	0.10	3
Cd	111	115	1	0.008	ug/l	64.42	25.33	5.582E-06	Pulse	0.25	3
Cd	111	115	2	-0.003	ug/l	-178.79	1.33	1.116E-06	Pulse	0.25	3
Sn	117	115	1	0.287	ug/l	14.44	420.02	9.255E-05	Pulse	0.10	3
Sn	118	115	1	0.281	ug/l	4.62	1,293.44	2.849E-04	Pulse	0.10	3
Sn	118	115	2	0.310	ug/l	12.75	446.69	3.746E-04	Pulse	0.10	3
Sn	119	115	1	0.176	ug/l	19.53	600.04	1.322E-04	Pulse	0.10	3
Sb	121	159	1	0.277	ug/l	18.46	1,420.13	2.090E-04	Pulse	0.10	3
Ba	137	159	1	-0.110	ug/l	-27.39	693.38	1.021E-04	Pulse	0.10	3
Tl	205	209	1	0.097	ug/l	14.03	1,433.46	3.767E-04	Pulse	0.10	3
Pb	208	209	1	-0.019	ug/l	-30.88	813.38	2.139E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,377,126.95	0.33	78.0	Analog	0.10	3
1	Sc	45	2,937,583.39	0.26	86.2	Analog	0.10	3
2	Sc	45	173,725.85	1.19	90.1	Pulse	0.10	3
3	Sc	45	307,760.39	0.53	102.6	Pulse	0.10	3
1	Ge	72	660,304.16	0.04	98.0	Pulse	0.10	3
2	Ge	72	111,580.68	0.44	96.5	Pulse	0.10	3
3	Ge	72	159,584.21	0.62	107.9	Pulse	0.10	3
1	Rh	103	4,147,199.21	0.83	101.1	Analog	0.10	3
2	Rh	103	2,540,467.10	0.37	98.9	Analog	0.10	3
1	In	115	4,540,319.95	0.70	107.7	Analog	0.10	3
2	In	115	1,192,394.22	0.51	98.1	Pulse	0.10	3
1	Tb	159	6,791,064.69	0.45	113.2	Analog	0.10	3
2	Tb	159	4,132,597.34	0.44	104.2	Analog	0.10	3
1	Ho	165	6,391,743.24	0.96	113.9	Analog	0.10	3
2	Ho	165	4,008,156.81	0.94	105.1	Analog	0.10	3
1	Bi	209	3,805,573.69	0.92	116.1	Analog	0.10	3
2	Bi	209	2,718,222.67	0.65	106.6	Analog	0.10	3

Quantitation Report

File Name	053SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 18:57
Sample Name	mp68786a-lc1
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	3108.872	ug/l	0.79	656,260.48	5.050E-01	Pulse	0.25	3
B	11	6	1	114.812	ug/l	2.26	21,416.08	1.648E-02	Pulse	0.15	3
Na	23	45	1	49525.314	ug/l	2.41	49,863,590.92	1.778E+01	Analog	0.10	3
Na	23	45	2	55683.111	ug/l	0.66	2,124,349.08	1.324E+01	Analog	0.20	3
Mg	24	45	1	27451.536	ug/l	2.62	18,773,851.80	6.695E+00	Analog	0.10	3
Mg	24	45	2	29962.594	ug/l	0.83	592,649.58	3.693E+00	Pulse	0.20	3
Al	27	45	1	24735.165	ug/l	2.48	22,889,341.33	8.163E+00	Analog	0.10	3
Al	27	45	2	25555.220	ug/l	1.43	198,061.14	1.234E+00	Pulse	0.20	3
K	39	45	1	50407.740	ug/l	2.62	66,665,199.01	2.377E+01	Analog	0.10	3
K	39	45	2	52436.246	ug/l	0.52	1,137,212.85	7.086E+00	Pulse	0.20	3
Ca	43	45	1	28545.481	ug/l	2.30	74,375.88	2.652E-02	Pulse	1.50	3
Ca	43	45	2	28891.628	ug/l	1.98	1,964.34	1.224E-02	Pulse	1.50	3
Ca	44	45	1	29788.050	ug/l	2.56	1,218,511.96	4.345E-01	Pulse	0.10	3
Ca	44	45	2	29021.810	ug/l	1.38	34,307.18	2.138E-01	Pulse	0.20	3
Ti	47	45	1	2564.104	ug/l	3.78	300,176.83	1.071E-01	Pulse	0.10	3
Ti	47	45	2	2630.235	ug/l	3.10	21,340.68	1.330E-01	Pulse	0.20	3
V	51	45	2	3021.522	ug/l	0.50	717,409.62	4.470E+00	Pulse	0.20	3
Cr	52	45	2	3077.791	ug/l	0.72	913,225.98	5.691E+00	Pulse	0.20	3
Mn	55	45	2	2988.833	ug/l	0.71	487,537.40	3.038E+00	Pulse	0.20	3
Fe	56	45	2	30447.736	ug/l	0.51	7,226,586.14	4.503E+01	Analog	0.20	3
Co	59	45	2	2966.473	ug/l	0.29	1,314,192.17	8.189E+00	Mix	0.20	3
Ni	60	45	2	2970.640	ug/l	0.86	347,338.89	2.164E+00	Pulse	0.20	3
Cu	63	45	2	3006.867	ug/l	0.62	920,811.08	5.738E+00	Pulse	0.20	3
Cu	65	45	2	3022.672	ug/l	0.99	458,456.09	2.857E+00	Pulse	0.20	3
Zn	66	45	2	2752.734	ug/l	1.69	140,951.43	8.783E-01	Pulse	0.20	3
As	75	45	2	2804.515	ug/l	1.02	93,882.83	5.850E-01	Pulse	0.50	3
Se	78	45	2	2505.656	ug/l	1.42	7,553.10	4.706E-02	Pulse	1.00	3
Se	78	45	3	2509.613	ug/l	0.77	23,800.66	8.234E-02	Pulse	1.00	3
Sr	88	45	1	0.740	ug/l	7.70	2,046.87	7.293E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	2620.308	ug/l	2.13	1,190,323.63	3.005E-01	Pulse	0.10	3
Ag	107	115	1	1115.266	ug/l	2.43	1,159,502.28	2.631E-01	Pulse	0.10	3
Cd	111	115	1	2803.631	ug/l	1.52	625,869.63	1.420E-01	Pulse	0.25	3
Cd	111	115	2	2907.719	ug/l	0.76	265,073.14	2.417E-01	Pulse	0.25	3
Sn	117	115	1	1.664	ug/l	34.84	456.69	1.038E-04	Pulse	0.10	3
Sn	118	115	1	2.137	ug/l	3.59	1,763.50	4.001E-04	Pulse	0.10	3
Sn	118	115	2	2.503	ug/l	26.81	616.71	5.614E-04	Pulse	0.10	3
Sn	119	115	1	1.743	ug/l	24.47	796.72	1.809E-04	Pulse	0.10	3
Sb	121	159	1	2998.154	ug/l	1.89	2,309,551.06	3.402E-01	Analog	0.10	3
Ba	137	159	1	2677.549	ug/l	2.67	1,034,023.08	1.523E-01	Pulse	0.10	3
Tl	205	209	1	2633.208	ug/l	4.65	5,049,624.71	1.345E+00	Analog	0.10	3
Pb	208	209	1	2778.375	ug/l	3.35	7,275,759.38	1.937E+00	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,299,547.50	0.64	73.6	Analog	0.10	3
1	Sc	45	2,804,957.56	1.71	82.3	Analog	0.10	3
2	Sc	45	160,484.64	0.93	83.2	Pulse	0.10	3
3	Sc	45	289,034.52	0.17	96.3	Pulse	0.10	3
1	Ge	72	651,140.81	1.59	96.6	Pulse	0.10	3
2	Ge	72	105,470.35	1.01	91.2	Pulse	0.10	3
3	Ge	72	153,076.94	1.52	103.5	Pulse	0.10	3
1	Rh	103	3,962,076.09	0.55	96.5	Analog	0.10	3
2	Rh	103	2,336,510.23	0.55	91.0	Analog	0.10	3
1	In	115	4,408,698.16	1.38	104.5	Analog	0.10	3
2	In	115	1,096,806.30	1.04	90.2	Pulse	0.10	3
1	Tb	159	6,788,744.48	0.76	113.2	Analog	0.10	3
2	Tb	159	4,026,600.67	0.81	101.5	Analog	0.10	3
1	Ho	165	6,430,224.28	0.66	114.6	Analog	0.10	3
2	Ho	165	3,935,579.32	0.88	103.2	Analog	0.10	3
1	Bi	209	3,757,684.01	1.88	114.6	Analog	0.10	3
2	Bi	209	2,616,101.99	0.46	102.6	Analog	0.10	3

Quantitation Report

File Name	054SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 19:02
Sample Name	mp68786a-s1
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	60.697	ug/l	1.33	15,716.72	9.914E-03	Pulse	0.25	3
B	11	6	1	226.688	ug/l	1.73	48,812.40	3.078E-02	Pulse	0.15	3
Na	23	45	1	91585.065	ug/l	0.97	105,275,518.43	3.282E+01	Analog	0.10	3
Na	23	45	2	94602.503	ug/l	0.81	4,209,684.52	2.246E+01	Analog	0.20	3
Mg	24	45	1	48026.900	ug/l	0.69	37,565,248.61	1.171E+01	Analog	0.10	3
Mg	24	45	2	48857.992	ug/l	1.45	1,128,678.50	6.022E+00	Pulse	0.20	3
Al	27	45	1	2124.090	ug/l	0.67	2,251,783.67	7.021E-01	Analog	0.10	3
Al	27	45	2	2113.965	ug/l	2.50	19,179.51	1.023E-01	Pulse	0.20	3
K	39	45	1	28912.396	ug/l	0.26	44,185,511.01	1.378E+01	Analog	0.10	3
K	39	45	2	28905.805	ug/l	1.63	735,999.29	3.927E+00	Pulse	0.20	3
Ca	43	45	1	137573.327	ug/l	0.08	409,576.35	1.277E-01	Pulse	1.50	3
Ca	43	45	2	137651.286	ug/l	2.59	10,927.56	5.831E-02	Pulse	1.50	3
Ca	44	45	1	138937.833	ug/l	0.46	6,492,010.32	2.024E+00	Analog	0.10	3
Ca	44	45	2	135655.739	ug/l	0.98	187,201.09	9.987E-01	Pulse	0.20	3
Ti	47	45	1	13.905	ug/l	7.03	1,916.88	5.976E-04	Pulse	0.10	3
Ti	47	45	2	13.701	ug/l	15.84	130.00	6.928E-04	Pulse	0.20	3
V	51	45	2	554.298	ug/l	0.88	153,971.07	8.214E-01	Pulse	0.20	3
Cr	52	45	2	223.087	ug/l	3.03	79,925.18	4.265E-01	Pulse	0.20	3
Mn	55	45	2	603.380	ug/l	1.95	114,958.51	6.133E-01	Pulse	0.20	3
Fe	56	45	2	1475.173	ug/l	2.79	411,201.40	2.194E+00	Pulse	0.20	3
Co	59	45	2	544.682	ug/l	1.68	281,889.27	1.504E+00	Pulse	0.20	3
Ni	60	45	2	545.437	ug/l	1.37	74,623.57	3.981E-01	Pulse	0.20	3
Cu	63	45	2	278.483	ug/l	1.74	99,668.42	5.318E-01	Pulse	0.20	3
Cu	65	45	2	278.766	ug/l	2.34	49,432.84	2.637E-01	Pulse	0.20	3
Zn	66	45	2	566.685	ug/l	1.57	33,970.46	1.812E-01	Pulse	0.20	3
As	75	45	2	2269.123	ug/l	2.30	88,719.13	4.734E-01	Pulse	0.50	3
Se	78	45	2	2135.656	ug/l	0.53	7,522.42	4.013E-02	Pulse	1.00	3
Se	78	45	3	2189.617	ug/l	1.91	23,128.03	7.185E-02	Pulse	1.00	3
Sr	88	45	1	498.201	ug/l	0.56	1,275,198.21	3.976E-01	Pulse	0.10	3
Mo	95	103	1	4.422	ug/l	10.14	2,290.26	5.403E-04	Pulse	0.10	3
Ag	107	115	1	57.302	ug/l	0.67	63,916.25	1.354E-02	Pulse	0.10	3
Cd	111	115	1	58.926	ug/l	3.59	14,101.10	2.988E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	59.907	ug/l	1.83	6,209.31	4.981E-03	Pulse	0.25	3
Sn	117	115	1	0.039	ug/l	524.85	113.34	2.402E-05	Pulse	0.10	3
Sn	118	115	1	0.060	ug/l	120.85	350.02	7.417E-05	Pulse	0.10	3
Sn	118	115	2	0.141	ug/l	116.65	123.34	9.893E-05	Pulse	0.10	3
Sn	119	115	1	-0.615	ug/l	-20.05	223.34	4.733E-05	Pulse	0.10	3
Sb	121	159	1	648.835	ug/l	0.33	520,687.27	7.367E-02	Pulse	0.10	3
Ba	137	159	1	2243.152	ug/l	0.95	902,117.62	1.276E-01	Pulse	0.10	3
Tl	205	209	1	2037.361	ug/l	1.83	4,071,578.07	1.040E+00	Analog	0.10	3
Pb	208	209	1	565.271	ug/l	0.47	1,543,064.34	3.943E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,585,430.14	1.11	89.8	Analog	0.10	3
1	Sc	45	3,207,169.33	0.54	94.1	Analog	0.10	3
2	Sc	45	187,452.57	1.04	97.2	Pulse	0.10	3
3	Sc	45	321,972.17	1.56	107.3	Pulse	0.10	3
1	Ge	72	669,851.01	0.54	99.4	Pulse	0.10	3
2	Ge	72	112,329.23	1.46	97.2	Pulse	0.10	3
3	Ge	72	158,706.20	1.34	107.3	Pulse	0.10	3
1	Rh	103	4,240,079.42	0.63	103.3	Analog	0.10	3
2	Rh	103	2,596,527.93	0.53	101.1	Analog	0.10	3
1	In	115	4,720,245.97	0.36	111.9	Analog	0.10	3
2	In	115	1,246,389.17	0.82	102.5	Pulse	0.10	3
1	Tb	159	7,068,006.56	0.57	117.8	Analog	0.10	3
2	Tb	159	4,359,685.98	0.52	109.9	Analog	0.10	3
1	Ho	165	6,709,034.48	0.50	119.6	Analog	0.10	3
2	Ho	165	4,250,320.88	0.66	111.5	Analog	0.10	3
1	Bi	209	3,913,288.38	0.89	119.4	Analog	0.10	3
2	Bi	209	2,819,723.81	0.55	110.6	Analog	0.10	3

Quantitation Report

File Name	055SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 19:08
Sample Name	mp68786a-s2
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	58.215	ug/l	3.47	15,345.73	9.511E-03	Pulse	0.25	3
B	11	6	1	219.013	ug/l	0.98	48,074.84	2.980E-02	Pulse	0.15	3
Na	23	45	1	91058.153	ug/l	1.53	105,175,358.43	3.264E+01	Analog	0.10	3
Na	23	45	2	95435.407	ug/l	0.60	4,188,682.75	2.266E+01	Analog	0.20	3
Mg	24	45	1	48031.590	ug/l	1.92	37,748,744.44	1.171E+01	Analog	0.10	3
Mg	24	45	2	49492.968	ug/l	0.65	1,127,787.90	6.100E+00	Pulse	0.20	3
Al	27	45	1	2103.630	ug/l	1.57	2,240,774.45	6.953E-01	Analog	0.10	3
Al	27	45	2	2133.613	ug/l	3.05	19,094.34	1.033E-01	Pulse	0.20	3
K	39	45	1	28975.401	ug/l	1.30	44,493,271.01	1.381E+01	Analog	0.10	3
K	39	45	2	29558.194	ug/l	1.04	742,147.91	4.014E+00	Pulse	0.20	3
Ca	43	45	1	135697.668	ug/l	1.24	405,941.87	1.260E-01	Pulse	1.50	3
Ca	43	45	2	138187.989	ug/l	1.05	10,820.83	5.853E-02	Pulse	1.50	3
Ca	44	45	1	136870.446	ug/l	1.02	6,426,552.40	1.994E+00	Analog	0.10	3
Ca	44	45	2	135622.561	ug/l	0.76	184,592.29	9.985E-01	Pulse	0.20	3
Ti	47	45	1	12.004	ug/l	3.20	1,670.16	5.183E-04	Pulse	0.10	3
Ti	47	45	2	14.627	ug/l	25.87	136.67	7.396E-04	Pulse	0.20	3
V	51	45	2	552.924	ug/l	1.12	151,481.08	8.194E-01	Pulse	0.20	3
Cr	52	45	2	224.430	ug/l	1.67	79,293.75	4.289E-01	Pulse	0.20	3
Mn	55	45	2	602.531	ug/l	0.75	113,231.05	6.125E-01	Pulse	0.20	3
Fe	56	45	2	1448.671	ug/l	1.36	398,347.52	2.155E+00	Pulse	0.20	3
Co	59	45	2	544.097	ug/l	0.37	277,734.75	1.502E+00	Pulse	0.20	3
Ni	60	45	2	545.279	ug/l	1.85	73,585.67	3.980E-01	Pulse	0.20	3
Cu	63	45	2	275.206	ug/l	1.58	97,148.95	5.255E-01	Pulse	0.20	3
Cu	65	45	2	278.325	ug/l	0.16	48,683.95	2.633E-01	Pulse	0.20	3
Zn	66	45	2	581.077	ug/l	1.81	34,352.96	1.858E-01	Pulse	0.20	3
As	75	45	2	2276.558	ug/l	1.32	87,794.82	4.749E-01	Pulse	0.50	3
Se	78	45	2	2172.183	ug/l	0.46	7,545.77	4.081E-02	Pulse	1.00	3
Se	78	45	3	2187.864	ug/l	1.38	22,448.77	7.179E-02	Pulse	1.00	3
Sr	88	45	1	479.995	ug/l	1.15	1,234,493.05	3.831E-01	Pulse	0.10	3
Mo	95	103	1	1.548	ug/l	10.88	873.39	2.108E-04	Pulse	0.10	3
Ag	107	115	1	56.943	ug/l	3.54	61,660.72	1.346E-02	Pulse	0.10	3
Cd	111	115	1	57.503	ug/l	1.27	13,360.41	2.916E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	59.130	ug/l	3.80	5,974.55	4.917E-03	Pulse	0.25	3
Sn	117	115	1	0.142	ug/l	139.59	133.34	2.907E-05	Pulse	0.10	3
Sn	118	115	1	-0.084	ug/l	-146.65	236.68	5.160E-05	Pulse	0.10	3
Sn	118	115	2	0.239	ug/l	51.15	143.34	1.180E-04	Pulse	0.10	3
Sn	119	115	1	-0.681	ug/l	-27.88	200.01	4.362E-05	Pulse	0.10	3
Sb	121	159	1	644.014	ug/l	0.89	503,682.77	7.312E-02	Pulse	0.10	3
Ba	137	159	1	2231.842	ug/l	0.96	874,809.60	1.270E-01	Pulse	0.10	3
Tl	205	209	1	2018.428	ug/l	3.19	3,899,752.23	1.031E+00	Analog	0.10	3
Pb	208	209	1	555.473	ug/l	0.92	1,466,081.42	3.875E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,613,223.28	1.51	91.3	Analog	0.10	3
1	Sc	45	3,222,712.45	1.04	94.6	Analog	0.10	3
2	Sc	45	184,877.45	0.75	95.9	Pulse	0.10	3
3	Sc	45	312,708.39	0.38	104.2	Pulse	0.10	3
1	Ge	72	666,846.27	0.70	99.0	Pulse	0.10	3
2	Ge	72	113,067.65	0.93	97.8	Pulse	0.10	3
3	Ge	72	151,586.85	1.58	102.5	Pulse	0.10	3
1	Rh	103	4,146,140.35	1.25	101.0	Analog	0.10	3
2	Rh	103	2,536,395.28	0.86	98.7	Analog	0.10	3
1	In	115	4,582,607.24	0.40	108.7	Analog	0.10	3
2	In	115	1,215,049.51	0.70	99.9	Pulse	0.10	3
1	Tb	159	6,888,483.65	0.90	114.8	Analog	0.10	3
2	Tb	159	4,290,992.75	0.47	108.2	Analog	0.10	3
1	Ho	165	6,481,035.32	0.83	115.5	Analog	0.10	3
2	Ho	165	4,170,839.31	0.54	109.4	Analog	0.10	3
1	Bi	209	3,783,561.51	0.34	115.4	Analog	0.10	3
2	Bi	209	2,753,387.25	0.70	108.0	Analog	0.10	3

Quantitation Report

File Name	056SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 19:13
Sample Name	mp68786a-s3
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	53.218	ug/l	2.52	14,402.21	8.699E-03	Pulse	0.25	3
B	11	6	1	196.340	ug/l	2.47	44,536.27	2.690E-02	Pulse	0.15	3
Na	23	45	1	82755.588	ug/l	0.23	97,261,971.88	2.967E+01	Analog	0.10	3
Na	23	45	2	85982.330	ug/l	0.94	3,743,380.46	2.042E+01	Analog	0.20	3
Mg	24	45	1	43831.847	ug/l	0.62	35,046,591.15	1.069E+01	Analog	0.10	3
Mg	24	45	2	45261.074	ug/l	0.48	1,022,843.40	5.578E+00	Pulse	0.20	3
Al	27	45	1	1820.831	ug/l	0.12	1,973,825.80	6.020E-01	Analog	0.10	3
Al	27	45	2	1827.644	ug/l	1.79	16,226.38	8.850E-02	Pulse	0.20	3
K	39	45	1	26814.234	ug/l	0.37	41,969,453.54	1.280E+01	Analog	0.10	3
K	39	45	2	27285.681	ug/l	1.41	680,074.65	3.709E+00	Pulse	0.20	3
Ca	43	45	1	122872.163	ug/l	0.49	373,950.20	1.141E-01	Pulse	1.50	3
Ca	43	45	2	124191.329	ug/l	2.11	9,644.56	5.260E-02	Pulse	1.50	3
Ca	44	45	1	123642.114	ug/l	0.22	5,906,028.87	1.801E+00	Analog	0.10	3
Ca	44	45	2	124102.725	ug/l	1.02	167,523.05	9.137E-01	Pulse	0.20	3
Ti	47	45	1	1.098	ug/l	19.73	206.68	6.296E-05	Pulse	0.10	3
Ti	47	45	2	1.255	ug/l	89.43	11.67	6.347E-05	Pulse	0.20	3
V	51	45	2	511.424	ug/l	1.70	138,980.86	7.580E-01	Pulse	0.20	3
Cr	52	45	2	203.517	ug/l	1.57	71,572.39	3.904E-01	Pulse	0.20	3
Mn	55	45	2	554.335	ug/l	1.51	103,317.11	5.635E-01	Pulse	0.20	3
Fe	56	45	2	1035.321	ug/l	0.40	283,034.56	1.544E+00	Pulse	0.20	3
Co	59	45	2	501.306	ug/l	0.96	253,789.09	1.384E+00	Pulse	0.20	3
Ni	60	45	2	506.804	ug/l	2.05	67,837.50	3.700E-01	Pulse	0.20	3
Cu	63	45	2	255.779	ug/l	1.13	89,555.82	4.884E-01	Pulse	0.20	3
Cu	65	45	2	254.294	ug/l	0.91	44,121.23	2.406E-01	Pulse	0.20	3
Zn	66	45	2	526.529	ug/l	2.68	30,882.60	1.684E-01	Pulse	0.20	3
As	75	45	2	2099.962	ug/l	1.38	80,321.93	4.381E-01	Pulse	0.50	3
Se	78	45	2	2024.192	ug/l	0.82	6,975.17	3.804E-02	Pulse	1.00	3
Se	78	45	3	2011.408	ug/l	0.85	20,801.91	6.600E-02	Pulse	1.00	3
Sr	88	45	1	428.854	ug/l	0.60	1,122,170.95	3.423E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.165	ug/l	16.26	700.05	1.669E-04	Pulse	0.10	3
Ag	107	115	1	52.006	ug/l	1.15	56,551.70	1.229E-02	Pulse	0.10	3
Cd	111	115	1	52.097	ug/l	3.70	12,154.15	2.642E-03	Pulse	0.25	3
Cd	111	115	2	53.088	ug/l	2.16	5,331.65	4.415E-03	Pulse	0.25	3
Sn	117	115	1	0.199	ug/l	146.69	146.67	3.186E-05	Pulse	0.10	3
Sn	118	115	1	0.118	ug/l	14.09	383.35	8.331E-05	Pulse	0.10	3
Sn	118	115	2	0.368	ug/l	26.80	173.34	1.434E-04	Pulse	0.10	3
Sn	119	115	1	-0.554	ug/l	-24.68	233.34	5.079E-05	Pulse	0.10	3
Sb	121	159	1	594.695	ug/l	0.80	461,119.80	6.753E-02	Pulse	0.10	3
Ba	137	159	1	2077.318	ug/l	1.28	807,216.24	1.182E-01	Pulse	0.10	3
Tl	205	209	1	1867.728	ug/l	2.56	3,571,994.64	9.538E-01	Analog	0.10	3
Pb	208	209	1	514.625	ug/l	0.60	1,344,676.93	3.590E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,655,413.13	0.45	93.7	Analog	0.10	3
1	Sc	45	3,278,586.83	1.33	96.2	Analog	0.10	3
2	Sc	45	183,361.14	0.82	95.1	Pulse	0.10	3
3	Sc	45	315,200.83	0.86	105.1	Pulse	0.10	3
1	Ge	72	667,272.13	0.62	99.0	Pulse	0.10	3
2	Ge	72	111,825.18	1.16	96.7	Pulse	0.10	3
3	Ge	72	154,768.73	1.24	104.6	Pulse	0.10	3
1	Rh	103	4,194,460.66	0.53	102.2	Analog	0.10	3
2	Rh	103	2,528,250.64	0.74	98.4	Analog	0.10	3
1	In	115	4,601,163.94	1.39	109.1	Analog	0.10	3
2	In	115	1,207,842.06	1.19	99.3	Pulse	0.10	3
1	Tb	159	6,828,864.90	0.45	113.8	Analog	0.10	3
2	Tb	159	4,193,165.25	0.84	105.7	Analog	0.10	3
1	Ho	165	6,435,587.20	1.02	114.7	Analog	0.10	3
2	Ho	165	4,067,868.79	0.40	106.7	Analog	0.10	3
1	Bi	209	3,745,476.82	0.50	114.3	Analog	0.10	3
2	Bi	209	2,702,941.42	0.58	106.0	Analog	0.10	3

Quantitation Report

File Name	057SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 19:18
Sample Name	mp68786a-s4
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	55.521	ug/l	3.39	15,201.59	9.074E-03	Pulse	0.25	3
B	11	6	1	198.186	ug/l	2.71	45,469.75	2.714E-02	Pulse	0.15	3
Na	23	45	1	88097.158	ug/l	0.67	103,429,481.79	3.158E+01	Analog	0.10	3
Na	23	45	2	89243.185	ug/l	0.96	3,929,900.57	2.119E+01	Analog	0.20	3
Mg	24	45	1	46441.444	ug/l	1.00	37,098,431.11	1.133E+01	Analog	0.10	3
Mg	24	45	2	46755.275	ug/l	0.82	1,068,804.02	5.763E+00	Pulse	0.20	3
Al	27	45	1	1909.717	ug/l	0.45	2,068,026.95	6.314E-01	Analog	0.10	3
Al	27	45	2	1883.010	ug/l	3.42	16,908.73	9.118E-02	Pulse	0.20	3
K	39	45	1	28168.145	ug/l	0.66	43,993,431.01	1.343E+01	Analog	0.10	3
K	39	45	2	28370.899	ug/l	0.48	715,006.29	3.855E+00	Pulse	0.20	3
Ca	43	45	1	129760.751	ug/l	0.87	394,555.01	1.205E-01	Pulse	1.50	3
Ca	43	45	2	130395.314	ug/l	1.50	10,243.58	5.523E-02	Pulse	1.50	3
Ca	44	45	1	130756.815	ug/l	0.79	6,239,955.95	1.905E+00	Analog	0.10	3
Ca	44	45	2	128781.227	ug/l	0.89	175,845.85	9.481E-01	Pulse	0.20	3
Ti	47	45	1	0.443	ug/l	37.81	116.67	3.561E-05	Pulse	0.10	3
Ti	47	45	2	0.356	ug/l	173.21	3.33	1.800E-05	Pulse	0.20	3
V	51	45	2	533.078	ug/l	0.50	146,540.39	7.901E-01	Pulse	0.20	3
Cr	52	45	2	211.356	ug/l	0.87	75,086.11	4.048E-01	Pulse	0.20	3
Mn	55	45	2	575.891	ug/l	1.20	108,573.81	5.854E-01	Pulse	0.20	3
Fe	56	45	2	1082.687	ug/l	0.98	299,282.16	1.614E+00	Pulse	0.20	3
Co	59	45	2	522.513	ug/l	0.63	267,579.74	1.443E+00	Pulse	0.20	3
Ni	60	45	2	520.255	ug/l	0.31	70,443.49	3.798E-01	Pulse	0.20	3
Cu	63	45	2	263.977	ug/l	1.62	93,497.41	5.041E-01	Pulse	0.20	3
Cu	65	45	2	268.552	ug/l	1.66	47,124.53	2.541E-01	Pulse	0.20	3
Zn	66	45	2	538.236	ug/l	1.30	31,934.75	1.722E-01	Pulse	0.20	3
As	75	45	2	2198.864	ug/l	0.25	85,079.29	4.587E-01	Pulse	0.50	3
Se	78	45	2	2105.340	ug/l	0.27	7,338.00	3.956E-02	Pulse	1.00	3
Se	78	45	3	2088.239	ug/l	1.65	21,608.62	6.852E-02	Pulse	1.00	3
Sr	88	45	1	448.141	ug/l	1.14	1,171,550.06	3.577E-01	Pulse	0.10	3
Mo	95	103	1	1.024	ug/l	10.76	623.37	1.507E-04	Pulse	0.10	3
Ag	107	115	1	55.354	ug/l	0.14	59,509.34	1.308E-02	Pulse	0.10	3
Cd	111	115	1	53.541	ug/l	0.98	12,350.31	2.715E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	54.531	ug/l	6.63	5,521.04	4.535E-03	Pulse	0.25	3
Sn	117	115	1	-0.137	ug/l	-97.93	70.00	1.538E-05	Pulse	0.10	3
Sn	118	115	1	-0.034	ug/l	-291.74	270.01	5.940E-05	Pulse	0.10	3
Sn	118	115	2	0.028	ug/l	99.81	93.33	7.671E-05	Pulse	0.10	3
Sn	119	115	1	-0.480	ug/l	-29.98	250.03	5.498E-05	Pulse	0.10	3
Sb	121	159	1	627.808	ug/l	0.34	480,154.39	7.128E-02	Pulse	0.10	3
Ba	137	159	1	2181.502	ug/l	1.02	836,077.85	1.241E-01	Pulse	0.10	3
Tl	205	209	1	1946.126	ug/l	1.56	3,631,833.91	9.938E-01	Analog	0.10	3
Pb	208	209	1	541.402	ug/l	0.98	1,380,145.91	3.777E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,675,522.40	0.74	94.9	Analog	0.10	3
1	Sc	45	3,275,518.91	0.32	96.1	Analog	0.10	3
2	Sc	45	185,479.01	0.89	96.2	Pulse	0.10	3
3	Sc	45	315,435.39	2.06	105.1	Pulse	0.10	3
1	Ge	72	670,716.53	0.68	99.5	Pulse	0.10	3
2	Ge	72	111,923.10	0.58	96.8	Pulse	0.10	3
3	Ge	72	155,223.01	1.14	105.0	Pulse	0.10	3
1	Rh	103	4,136,089.94	0.57	100.8	Analog	0.10	3
2	Rh	103	2,546,192.93	0.69	99.1	Analog	0.10	3
1	In	115	4,549,119.17	0.44	107.9	Analog	0.10	3
2	In	115	1,217,133.31	0.89	100.1	Pulse	0.10	3
1	Tb	159	6,735,968.44	0.72	112.3	Analog	0.10	3
2	Tb	159	4,227,105.56	0.36	106.5	Analog	0.10	3
1	Ho	165	6,346,425.53	0.15	113.1	Analog	0.10	3
2	Ho	165	4,080,645.25	0.55	107.0	Analog	0.10	3
1	Bi	209	3,654,522.13	1.50	111.5	Analog	0.10	3
2	Bi	209	2,701,483.08	0.27	105.9	Analog	0.10	3

Quantitation Report

File Name	058SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 19:23
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.019	ug/l	99.76	128.00	8.647E-05	Pulse	0.25	3
B	11	6	1	4.444	ug/l	3.97	11,066.09	7.482E-03	Pulse	0.15	3
Na	23	45	1	34.595	ug/l	24.77	542,469.86	1.932E-01	Mix	0.10	3
Na	23	45	2	29.485	ug/l	10.85	18,831.03	1.148E-01	Pulse	0.20	3
Mg	24	45	1	18.900	ug/l	27.52	131,538.05	4.682E-02	Pulse	0.10	3
Mg	24	45	2	14.483	ug/l	6.17	2,987.01	1.820E-02	Pulse	0.20	3
Al	27	45	1	1.246	ug/l	20.96	15,061.79	5.364E-03	Pulse	0.10	3
Al	27	45	2	1.246	ug/l	45.31	140.00	8.521E-04	Pulse	0.20	3
K	39	45	1	16.309	ug/l	15.01	1,141,912.01	4.069E-01	Mix	0.10	3
K	39	45	2	13.287	ug/l	2.82	10,390.10	6.336E-02	Pulse	0.20	3
Ca	43	45	1	52.215	ug/l	23.82	1,447.89	5.155E-04	Pulse	1.50	3
Ca	43	45	2	43.762	ug/l	16.95	31.11	1.900E-04	Pulse	1.50	3
Ca	44	45	1	54.643	ug/l	27.33	24,325.91	8.658E-03	Pulse	0.10	3
Ca	44	45	2	35.099	ug/l	9.64	448.35	2.731E-03	Pulse	0.20	3
Ti	47	45	1	0.039	ug/l	49.00	93.34	3.321E-05	Pulse	0.10	3
Ti	47	45	2	0.080	ug/l	42.17	6.67	4.054E-05	Pulse	0.20	3
V	51	45	2	0.295	ug/l	7.44	983.38	6.000E-03	Pulse	0.20	3
Cr	52	45	2	0.106	ug/l	5.17	2,793.63	1.703E-02	Pulse	0.20	3
Mn	55	45	2	0.218	ug/l	12.62	373.34	2.277E-03	Pulse	0.20	3
Fe	56	45	2	0.788	ug/l	3.66	4,018.91	2.451E-02	Pulse	0.20	3
Co	59	45	2	0.161	ug/l	18.18	795.04	4.841E-03	Pulse	0.20	3
Ni	60	45	2	0.178	ug/l	14.50	365.01	2.224E-03	Pulse	0.20	3
Cu	63	45	2	0.100	ug/l	18.96	381.68	2.329E-03	Pulse	0.20	3
Cu	65	45	2	0.136	ug/l	27.88	261.68	1.595E-03	Pulse	0.20	3
Zn	66	45	2	0.198	ug/l	13.15	193.34	1.180E-03	Pulse	0.20	3
As	75	45	2	0.705	ug/l	11.70	253.34	1.543E-03	Pulse	0.50	3
Se	78	45	2	0.581	ug/l	53.94	38.67	2.356E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.675	ug/l	23.20	62.00	2.271E-04	Pulse	1.00	3
Sr	88	45	1	0.198	ug/l	34.45	4,831.67	1.719E-03	Pulse	0.10	3
Mo	95	103	1	0.023	ug/l	51.53	220.01	5.919E-05	Pulse	0.10	3
Ag	107	115	1	0.036	ug/l	2.65	446.69	1.119E-04	Pulse	0.10	3
Cd	111	115	1	0.026	ug/l	34.23	66.67	1.669E-05	Pulse	0.25	3
Cd	111	115	2	0.025	ug/l	27.90	25.33	2.295E-05	Pulse	0.25	3
Sn	117	115	1	0.011	ug/l	238.49	110.01	2.755E-05	Pulse	0.10	3
Sn	118	115	1	0.006	ug/l	36.55	296.68	7.434E-05	Pulse	0.10	3
Sn	118	115	2	0.030	ug/l	9.09	143.34	1.296E-04	Pulse	0.10	3
Sn	119	115	1	-0.055	ug/l	-71.50	203.34	5.092E-05	Pulse	0.10	3
Sb	121	159	1	0.337	ug/l	19.98	2,557.05	4.347E-04	Pulse	0.10	3
Ba	137	159	1	0.810	ug/l	28.71	3,494.11	5.940E-04	Pulse	0.10	3
Tl	205	209	1	1.557	ug/l	9.60	26,786.26	8.078E-03	Pulse	0.10	3
Pb	208	209	1	0.200	ug/l	26.41	5,564.30	1.678E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,478,955.10	0.83	83.7	Analog	0.10	3
1	Sc	45	2,806,108.60	1.06	82.4	Analog	0.10	3
2	Sc	45	163,995.79	1.50	85.0	Pulse	0.10	3
3	Sc	45	273,030.41	0.70	91.0	Pulse	0.10	3
1	Ge	72	585,560.53	0.50	86.9	Pulse	0.10	3
2	Ge	72	101,146.77	1.00	87.5	Pulse	0.10	3
3	Ge	72	135,419.48	2.69	91.6	Pulse	0.10	3
1	Rh	103	3,715,957.13	0.48	90.5	Analog	0.10	3
2	Rh	103	2,321,185.07	1.07	90.4	Analog	0.10	3
1	In	115	3,990,191.21	0.56	94.6	Analog	0.10	3
2	In	115	1,105,693.37	1.09	90.9	Pulse	0.10	3
1	Tb	159	5,883,724.29	0.37	98.1	Analog	0.10	3
2	Tb	159	3,798,738.59	0.73	95.7	Analog	0.10	3
1	Ho	165	5,554,382.00	0.06	99.0	Analog	0.10	3
2	Ho	165	3,663,290.88	0.53	96.1	Analog	0.10	3
1	Bi	209	3,317,760.26	0.88	101.2	Analog	0.10	3
2	Bi	209	2,492,199.76	0.57	97.7	Analog	0.10	3

Quantitation Report

File Name	059SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 19:28
Sample Name	jb23822-2
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.006	ug/l	-537.56	68.00	5.129E-05	Pulse	0.25	3
B	11	6	1	184.068	ug/l	1.07	158,288.54	1.195E-01	Pulse	0.15	3
Na	23	45	1	61206.951	ug/l	1.36	301,167,348.84	1.095E+02	Analog	0.10	3
Na	23	45	2	68686.104	ug/l	2.51	12,786,139.39	8.141E+01	Analog	0.20	3
Mg	24	45	1	20231.402	ug/l	1.12	67,836,382.32	2.467E+01	Analog	0.10	3
Mg	24	45	2	22794.339	ug/l	2.82	2,205,960.33	1.405E+01	Analog	0.20	3
Al	27	45	1	144.657	ug/l	3.80	659,712.69	2.399E-01	Pulse	0.10	3
Al	27	45	2	168.446	ug/l	0.80	6,428.28	4.092E-02	Pulse	0.20	3
K	39	45	1	3297.358	ug/l	1.08	21,994,628.01	7.998E+00	Analog	0.10	3
K	39	45	2	3636.088	ug/l	2.66	390,533.60	2.487E+00	Pulse	0.20	3
Ca	43	45	1	104685.291	ug/l	1.34	1,335,878.56	4.858E-01	Analog	1.50	3
Ca	43	45	2	114630.379	ug/l	3.78	38,117.54	2.428E-01	Pulse	1.50	3
Ca	44	45	1	110940.524	ug/l	1.95	22,217,089.67	8.079E+00	Analog	0.10	3
Ca	44	45	2	113555.588	ug/l	2.76	656,379.25	4.180E+00	Pulse	0.20	3
Ti	47	45	1	10.844	ug/l	3.42	6,271.41	2.281E-03	Pulse	0.10	3
Ti	47	45	2	11.421	ug/l	3.98	453.35	2.887E-03	Pulse	0.20	3
V	51	45	2	2.244	ug/l	8.69	2,868.64	1.824E-02	Pulse	0.20	3
Cr	52	45	2	7.350	ug/l	2.64	13,012.01	8.284E-02	Pulse	0.20	3
Mn	55	45	2	49.049	ug/l	3.80	39,149.85	2.493E-01	Pulse	0.20	3
Fe	56	45	2	353.310	ug/l	2.27	412,237.85	2.625E+00	Pulse	0.20	3
Co	59	45	2	0.917	ug/l	9.16	2,053.50	1.305E-02	Pulse	0.20	3
Ni	60	45	2	3.376	ug/l	8.13	2,076.83	1.322E-02	Pulse	0.20	3
Cu	63	45	2	2.706	ug/l	3.54	4,118.94	2.623E-02	Pulse	0.20	3
Cu	65	45	2	2.720	ug/l	5.93	2,066.84	1.316E-02	Pulse	0.20	3
Zn	66	45	2	3.252	ug/l	11.64	901.71	5.733E-03	Pulse	0.20	3
As	75	45	2	1.148	ug/l	16.80	200.00	1.270E-03	Pulse	0.50	3
Se	78	45	2	4.965	ug/l	5.29	93.00	5.917E-04	Pulse	1.00	3
Se	78	45	3	5.716	ug/l	7.95	264.33	9.433E-04	Pulse	1.00	3
Sr	88	45	1	495.658	ug/l	1.90	5,437,343.46	1.977E+00	Analog	0.10	3
Mo	95	103	1	1.043	ug/l	12.14	2,290.26	6.314E-04	Pulse	0.10	3
Ag	107	115	1	0.020	ug/l	38.11	206.68	5.035E-05	Pulse	0.10	3
Cd	111	115	1	0.143	ug/l	15.16	162.67	3.957E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.187	ug/l	11.05	85.33	8.012E-05	Pulse	0.25	3
Sn	117	115	1	0.191	ug/l	29.95	283.35	6.903E-05	Pulse	0.10	3
Sn	118	115	1	0.246	ug/l	9.88	1,060.08	2.580E-04	Pulse	0.10	3
Sn	118	115	2	0.221	ug/l	21.95	306.68	2.880E-04	Pulse	0.10	3
Sn	119	115	1	0.200	ug/l	54.94	570.03	1.388E-04	Pulse	0.10	3
Sb	121	159	1	0.684	ug/l	15.73	2,810.37	4.404E-04	Pulse	0.10	3
Ba	137	159	1	121.799	ug/l	1.44	221,689.31	3.475E-02	Pulse	0.10	3
Tl	205	209	1	1.369	ug/l	6.40	12,599.18	3.623E-03	Pulse	0.10	3
Pb	208	209	1	0.486	ug/l	11.93	6,870.88	1.976E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,324,915.74	0.71	75.0	Analog	0.10	3
1	Sc	45	2,749,829.54	0.24	80.7	Analog	0.10	3
2	Sc	45	157,112.91	2.40	81.5	Pulse	0.10	3
3	Sc	45	280,349.02	1.27	93.4	Pulse	0.10	3
1	Ge	72	608,967.49	0.47	90.4	Pulse	0.10	3
2	Ge	72	99,727.80	2.26	86.3	Pulse	0.10	3
3	Ge	72	142,778.17	1.34	96.5	Pulse	0.10	3
1	Rh	103	3,627,905.99	0.57	88.4	Analog	0.10	3
2	Rh	103	2,197,256.79	0.93	85.5	Analog	0.10	3
1	In	115	4,109,801.56	0.94	97.4	Analog	0.10	3
2	In	115	1,065,046.24	0.12	87.6	Pulse	0.10	3
1	Tb	159	6,379,826.78	0.23	106.4	Analog	0.10	3
2	Tb	159	3,879,377.55	0.18	97.8	Analog	0.10	3
1	Ho	165	6,047,096.99	0.20	107.8	Analog	0.10	3
2	Ho	165	3,773,039.21	0.53	99.0	Analog	0.10	3
1	Bi	209	3,477,911.72	0.50	106.1	Analog	0.10	3
2	Bi	209	2,428,081.53	1.15	95.2	Analog	0.10	3

Quantitation Report

File Name	060SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 19:33
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	54.108	ug/l	1.33	128,477.36	8.794E-02	Pulse	0.25	3
B	11	6	1	58.691	ug/l	0.95	112,280.56	7.684E-02	Pulse	0.15	3
Na	23	45	1	5190.923	ug/l	1.58	51,902,789.23	1.863E+01	Analog	0.10	3
Na	23	45	2	5228.858	ug/l	0.49	2,187,514.03	1.243E+01	Analog	0.20	3
Mg	24	45	1	5091.099	ug/l	1.78	34,576,987.82	1.242E+01	Analog	0.10	3
Mg	24	45	2	5072.364	ug/l	0.65	1,099,897.43	6.252E+00	Pulse	0.20	3
Al	27	45	1	4946.167	ug/l	1.63	45,454,529.32	1.632E+01	Analog	0.10	3
Al	27	45	2	4859.339	ug/l	0.76	412,879.03	2.347E+00	Pulse	0.20	3
K	39	45	1	5009.600	ug/l	1.59	65,811,305.68	2.363E+01	Analog	0.10	3
K	39	45	2	4971.424	ug/l	0.49	1,182,449.07	6.721E+00	Pulse	0.20	3
Ca	43	45	1	5223.385	ug/l	1.37	135,109.00	4.851E-02	Pulse	1.50	3
Ca	43	45	2	5298.745	ug/l	1.28	3,949.14	2.245E-02	Pulse	1.50	3
Ca	44	45	1	5258.400	ug/l	1.90	2,134,820.33	7.665E-01	Analog	0.10	3
Ca	44	45	2	5200.685	ug/l	1.65	67,375.99	3.830E-01	Pulse	0.20	3
Ti	47	45	1	52.660	ug/l	3.07	61,287.67	2.200E-02	Pulse	0.10	3
Ti	47	45	2	49.614	ug/l	2.10	4,414.01	2.509E-02	Pulse	0.20	3
V	51	45	2	52.608	ug/l	0.62	137,180.17	7.797E-01	Pulse	0.20	3
Cr	52	45	2	52.359	ug/l	0.54	172,525.20	9.806E-01	Pulse	0.20	3
Mn	55	45	2	52.867	ug/l	1.95	94,546.98	5.374E-01	Pulse	0.20	3
Fe	56	45	2	5067.361	ug/l	0.91	13,183,812.72	7.494E+01	Analog	0.20	3
Co	59	45	2	51.808	ug/l	0.35	251,678.30	1.430E+00	Pulse	0.20	3
Ni	60	45	2	51.263	ug/l	0.68	65,844.69	3.742E-01	Pulse	0.20	3
Cu	63	45	2	52.109	ug/l	0.08	175,002.55	9.947E-01	Pulse	0.20	3
Cu	65	45	2	52.112	ug/l	1.08	86,697.76	4.928E-01	Pulse	0.20	3
Zn	66	45	2	52.102	ug/l	2.68	29,321.59	1.667E-01	Pulse	0.20	3
As	75	45	2	52.293	ug/l	1.15	19,202.01	1.091E-01	Pulse	0.50	3
Se	78	45	2	50.088	ug/l	1.54	1,673.10	9.509E-03	Pulse	1.00	3
Se	78	45	3	51.878	ug/l	0.95	5,126.49	1.703E-02	Pulse	1.00	3
Sr	88	45	1	59.555	ug/l	2.46	1,323,318.39	4.753E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	55.086	ug/l	1.41	230,935.02	6.319E-02	Pulse	0.10	3
Ag	107	115	1	50.585	ug/l	0.38	479,326.56	1.193E-01	Pulse	0.10	3
Cd	111	115	1	53.798	ug/l	0.20	109,448.58	2.725E-02	Pulse	0.25	3
Cd	111	115	2	52.843	ug/l	0.18	51,841.85	4.392E-02	Pulse	0.25	3
Sn	117	115	1	55.152	ug/l	1.97	108,831.64	2.711E-02	Pulse	0.10	3
Sn	118	115	1	54.644	ug/l	0.44	344,690.58	8.582E-02	Pulse	0.10	3
Sn	118	115	2	53.428	ug/l	1.44	123,578.72	1.047E-01	Pulse	0.10	3
Sn	119	115	1	55.194	ug/l	0.32	125,939.27	3.135E-02	Pulse	0.10	3
Sb	121	159	1	59.023	ug/l	1.29	411,823.29	6.702E-02	Pulse	0.10	3
Ba	137	159	1	51.570	ug/l	1.64	180,918.85	2.944E-02	Pulse	0.10	3
Tl	205	209	1	49.773	ug/l	2.94	863,997.15	2.543E-01	Pulse	0.10	3
Pb	208	209	1	54.101	ug/l	0.96	1,282,587.93	3.774E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,461,603.92	4.56	82.7	Analog	0.10	3
1	Sc	45	2,786,389.02	5.12	81.8	Analog	0.10	3
2	Sc	45	175,943.00	0.85	91.2	Pulse	0.10	3
3	Sc	45	301,102.42	0.61	100.4	Pulse	0.10	3
1	Ge	72	587,155.04	4.94	87.1	Pulse	0.10	3
2	Ge	72	108,019.30	1.02	93.4	Pulse	0.10	3
3	Ge	72	147,418.57	0.70	99.7	Pulse	0.10	3
1	Rh	103	3,656,310.57	4.95	89.1	Analog	0.10	3
2	Rh	103	2,488,397.62	0.26	96.9	Analog	0.10	3
1	In	115	4,016,839.27	4.12	95.2	Analog	0.10	3
2	In	115	1,180,306.05	0.24	97.1	Pulse	0.10	3
1	Tb	159	6,147,253.66	4.55	102.5	Analog	0.10	3
2	Tb	159	4,210,961.39	0.79	106.1	Analog	0.10	3
1	Ho	165	5,812,691.79	4.13	103.6	Analog	0.10	3
2	Ho	165	4,094,212.44	0.67	107.4	Analog	0.10	3
1	Bi	209	3,399,322.66	4.25	103.7	Analog	0.10	3
2	Bi	209	2,715,460.38	0.23	106.5	Analog	0.10	3

Quantitation Report

File Name	061SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 19:38
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.194	ug/l	3.24	598.69	3.708E-04	Pulse	0.25	3
B	11	6	1	4.447	ug/l	1.98	12,086.79	7.487E-03	Pulse	0.15	3
Na	23	45	1	33.640	ug/l	7.67	589,870.19	1.898E-01	Pulse	0.10	3
Na	23	45	2	21.663	ug/l	1.40	17,859.80	9.624E-02	Pulse	0.20	3
Mg	24	45	1	25.025	ug/l	5.88	191,948.09	6.176E-02	Pulse	0.10	3
Mg	24	45	2	15.000	ug/l	10.54	3,495.45	1.884E-02	Pulse	0.20	3
Al	27	45	1	17.932	ug/l	7.49	187,762.26	6.042E-02	Pulse	0.10	3
Al	27	45	2	11.165	ug/l	11.97	1,046.72	5.642E-03	Pulse	0.20	3
K	39	45	1	18.046	ug/l	6.19	1,290,470.11	4.150E-01	Analog	0.10	3
K	39	45	2	12.288	ug/l	6.24	11,507.48	6.202E-02	Pulse	0.20	3
Ca	43	45	1	46.351	ug/l	3.58	1,433.40	4.611E-04	Pulse	1.50	3
Ca	43	45	2	29.718	ug/l	22.00	24.22	1.305E-04	Pulse	1.50	3
Ca	44	45	1	47.863	ug/l	6.90	23,841.43	7.671E-03	Pulse	0.10	3
Ca	44	45	2	27.644	ug/l	1.70	405.01	2.183E-03	Pulse	0.20	3
Ti	47	45	1	0.183	ug/l	28.78	290.01	9.352E-05	Pulse	0.10	3
Ti	47	45	2	0.089	ug/l	34.92	8.33	4.495E-05	Pulse	0.20	3
V	51	45	2	0.139	ug/l	5.73	686.70	3.701E-03	Pulse	0.20	3
Cr	52	45	2	-0.114	ug/l	-38.78	2,406.89	1.297E-02	Pulse	0.20	3
Mn	55	45	2	0.160	ug/l	15.44	313.34	1.689E-03	Pulse	0.20	3
Fe	56	45	2	11.866	ug/l	3.82	34,939.19	1.883E-01	Pulse	0.20	3
Co	59	45	2	0.101	ug/l	12.40	590.02	3.181E-03	Pulse	0.20	3
Ni	60	45	2	0.106	ug/l	26.18	315.01	1.698E-03	Pulse	0.20	3
Cu	63	45	2	0.136	ug/l	8.58	558.35	3.010E-03	Pulse	0.20	3
Cu	65	45	2	0.103	ug/l	5.56	238.34	1.284E-03	Pulse	0.20	3
Zn	66	45	2	0.107	ug/l	62.51	165.00	8.892E-04	Pulse	0.20	3
As	75	45	2	0.182	ug/l	21.05	84.00	4.525E-04	Pulse	0.50	3
Se	78	45	2	0.273	ug/l	69.67	33.00	1.779E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.200	ug/l	10.56	22.33	7.118E-05	Pulse	1.00	3
Sr	88	45	1	0.331	ug/l	5.34	8,636.08	2.777E-03	Pulse	0.10	3
Mo	95	103	1	0.261	ug/l	13.06	1,383.45	3.321E-04	Pulse	0.10	3
Ag	107	115	1	0.179	ug/l	14.14	2,026.87	4.498E-04	Pulse	0.10	3
Cd	111	115	1	0.189	ug/l	2.31	448.01	9.930E-05	Pulse	0.25	3
Cd	111	115	2	0.142	ug/l	17.49	149.33	1.202E-04	Pulse	0.25	3
Sn	117	115	1	0.272	ug/l	11.73	703.38	1.556E-04	Pulse	0.10	3
Sn	118	115	1	0.290	ug/l	2.06	2,343.62	5.194E-04	Pulse	0.10	3
Sn	118	115	2	0.235	ug/l	9.98	660.04	5.312E-04	Pulse	0.10	3
Sn	119	115	1	0.184	ug/l	22.44	840.05	1.865E-04	Pulse	0.10	3
Sb	121	159	1	0.293	ug/l	9.08	2,560.31	3.844E-04	Pulse	0.10	3
Ba	137	159	1	0.204	ug/l	29.76	1,660.15	2.493E-04	Pulse	0.10	3
Tl	205	209	1	0.662	ug/l	4.98	13,113.07	3.509E-03	Pulse	0.10	3
Pb	208	209	1	0.179	ug/l	12.25	5,700.72	1.528E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,614,453.81	1.06	91.4	Analog	0.10	3
1	Sc	45	3,110,049.33	1.88	91.3	Analog	0.10	3
2	Sc	45	185,564.97	0.49	96.2	Pulse	0.10	3
3	Sc	45	313,623.92	0.66	104.5	Pulse	0.10	3
1	Ge	72	647,620.51	2.46	96.1	Pulse	0.10	3
2	Ge	72	112,530.62	0.52	97.3	Pulse	0.10	3
3	Ge	72	154,588.80	0.17	104.5	Pulse	0.10	3
1	Rh	103	4,161,925.46	2.81	101.4	Analog	0.10	3
2	Rh	103	2,622,876.94	0.13	102.1	Analog	0.10	3
1	In	115	4,513,184.42	2.47	107.0	Analog	0.10	3
2	In	115	1,242,073.32	0.68	102.1	Pulse	0.10	3
1	Tb	159	6,667,791.98	2.38	111.2	Analog	0.10	3
2	Tb	159	4,259,710.56	0.47	107.4	Analog	0.10	3
1	Ho	165	6,287,524.70	2.73	112.1	Analog	0.10	3
2	Ho	165	4,102,061.08	0.55	107.6	Analog	0.10	3
1	Bi	209	3,734,915.57	1.56	113.9	Analog	0.10	3
2	Bi	209	2,794,410.90	0.79	109.6	Analog	0.10	3

Quantitation Report

File Name	062SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 19:43
Sample Name	mp68786a-sd1 2
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.181	ug/l	84.43	142.67	8.554E-05	Pulse	0.25	3
B	11	6	1	170.648	ug/l	2.68	39,397.01	2.362E-02	Pulse	0.15	3
Na	23	45	1	59825.980	ug/l	0.81	69,448,897.30	2.147E+01	Analog	0.10	3
Na	23	45	2	60699.992	ug/l	0.83	2,666,704.13	1.443E+01	Analog	0.20	3
Mg	24	45	1	20328.529	ug/l	0.56	16,040,541.43	4.958E+00	Analog	0.10	3
Mg	24	45	2	20532.371	ug/l	0.32	467,833.82	2.531E+00	Pulse	0.20	3
Al	27	45	1	181.376	ug/l	1.20	197,661.32	6.110E-02	Pulse	0.10	3
Al	27	45	2	167.562	ug/l	7.88	1,541.77	8.341E-03	Pulse	0.20	3
K	39	45	1	3230.470	ug/l	0.36	5,931,720.75	1.833E+00	Analog	0.10	3
K	39	45	2	3269.358	ug/l	0.64	89,563.29	4.845E-01	Pulse	0.20	3
Ca	43	45	1	99667.463	ug/l	0.52	299,356.85	9.253E-02	Pulse	1.50	3
Ca	43	45	2	102355.556	ug/l	1.57	8,014.59	4.336E-02	Pulse	1.50	3
Ca	44	45	1	100333.415	ug/l	0.27	4,729,836.70	1.462E+00	Analog	0.10	3
Ca	44	45	2	100582.137	ug/l	2.08	136,882.41	7.405E-01	Pulse	0.20	3
Ti	47	45	1	10.574	ug/l	14.76	1,483.47	4.586E-04	Pulse	0.10	3
Ti	47	45	2	12.117	ug/l	24.67	113.34	6.127E-04	Pulse	0.20	3
V	51	45	2	1.413	ug/l	20.87	690.03	3.732E-03	Pulse	0.20	3
Cr	52	45	2	0.995	ug/l	79.11	3,125.36	1.691E-02	Pulse	0.20	3
Mn	55	45	2	42.753	ug/l	2.23	8,043.75	4.352E-02	Pulse	0.20	3
Fe	56	45	2	349.413	ug/l	1.32	97,872.83	5.295E-01	Pulse	0.20	3
Co	59	45	2	0.987	ug/l	10.44	578.36	3.128E-03	Pulse	0.20	3
Ni	60	45	2	2.971	ug/l	16.99	571.69	3.092E-03	Pulse	0.20	3
Cu	63	45	2	3.672	ug/l	5.97	1,371.76	7.419E-03	Pulse	0.20	3
Cu	65	45	2	4.033	ug/l	9.06	761.70	4.122E-03	Pulse	0.20	3
Zn	66	45	2	6.114	ug/l	8.87	461.68	2.497E-03	Pulse	0.20	3
As	75	45	2	0.900	ug/l	35.97	48.00	2.599E-04	Pulse	0.50	3
Se	78	45	2	3.544	ug/l	59.21	35.67	1.931E-04	Pulse	1.00	3
Se	78	45	3	6.225	ug/l	31.16	65.00	2.098E-04	Pulse	1.00	3
Sr	88	45	1	428.614	ug/l	0.81	1,106,759.05	3.421E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.246	ug/l	15.21	730.05	1.762E-04	Pulse	0.10	3
Ag	107	115	1	0.241	ug/l	18.20	376.68	8.364E-05	Pulse	0.10	3
Cd	111	115	1	0.540	ug/l	13.22	138.67	3.080E-05	Pulse	0.25	3
Cd	111	115	2	0.391	ug/l	23.22	42.67	3.472E-05	Pulse	0.25	3
Sn	117	115	1	0.787	ug/l	32.62	273.35	6.074E-05	Pulse	0.10	3
Sn	118	115	1	0.756	ug/l	16.48	826.72	1.834E-04	Pulse	0.10	3
Sn	118	115	2	0.633	ug/l	6.77	240.01	1.953E-04	Pulse	0.10	3
Sn	119	115	1	-0.274	ug/l	-89.49	300.02	6.668E-05	Pulse	0.10	3
Sb	121	159	1	0.938	ug/l	18.73	1,050.08	1.585E-04	Pulse	0.10	3
Ba	137	159	1	110.079	ug/l	1.60	42,355.84	6.390E-03	Pulse	0.10	3
Tl	205	209	1	2.151	ug/l	2.35	4,510.85	1.228E-03	Pulse	0.10	3
Pb	208	209	1	0.550	ug/l	0.57	2,440.19	6.643E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,668,222.09	1.05	94.4	Analog	0.10	3
1	Sc	45	3,235,256.20	0.55	94.9	Analog	0.10	3
2	Sc	45	184,856.72	0.58	95.9	Pulse	0.10	3
3	Sc	45	309,896.38	0.83	103.3	Pulse	0.10	3
1	Ge	72	665,190.22	0.41	98.7	Pulse	0.10	3
2	Ge	72	113,611.46	0.95	98.3	Pulse	0.10	3
3	Ge	72	151,468.25	1.05	102.4	Pulse	0.10	3
1	Rh	103	4,144,238.07	0.42	101.0	Analog	0.10	3
2	Rh	103	2,548,566.99	0.48	99.2	Analog	0.10	3
1	In	115	4,504,914.82	0.84	106.8	Analog	0.10	3
2	In	115	1,229,159.23	0.17	101.1	Pulse	0.10	3
1	Tb	159	6,628,077.61	0.84	110.5	Analog	0.10	3
2	Tb	159	4,191,604.00	0.62	105.7	Analog	0.10	3
1	Ho	165	6,259,082.20	0.79	111.6	Analog	0.10	3
2	Ho	165	4,028,272.65	0.68	105.7	Analog	0.10	3
1	Bi	209	3,673,305.88	0.33	112.0	Analog	0.10	3
2	Bi	209	2,699,262.25	0.41	105.9	Analog	0.10	3

Quantitation Report

File Name	063SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 19:48
Sample Name	jb23822-2f
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.017	ug/l	-79.12	57.33	4.208E-05	Pulse	0.25	3
B	11	6	1	169.974	ug/l	2.93	150,517.45	1.105E-01	Pulse	0.15	3
Na	23	45	1	56570.701	ug/l	1.53	289,842,049.01	1.012E+02	Analog	0.10	3
Na	23	45	2	63209.014	ug/l	1.13	12,433,136.90	7.492E+01	Analog	0.20	3
Mg	24	45	1	18737.933	ug/l	1.09	65,416,005.69	2.285E+01	Analog	0.10	3
Mg	24	45	2	20902.860	ug/l	1.37	2,137,524.40	1.288E+01	Analog	0.20	3
Al	27	45	1	14.150	ug/l	3.95	70,408.21	2.460E-02	Pulse	0.10	3
Al	27	45	2	12.651	ug/l	6.85	548.35	3.305E-03	Pulse	0.20	3
K	39	45	1	3025.546	ug/l	0.94	21,090,208.85	7.366E+00	Analog	0.10	3
K	39	45	2	3283.376	ug/l	1.62	373,338.51	2.250E+00	Pulse	0.20	3
Ca	43	45	1	97198.759	ug/l	0.88	1,291,445.28	4.511E-01	Analog	1.50	3
Ca	43	45	2	103880.549	ug/l	1.09	36,506.84	2.200E-01	Pulse	1.50	3
Ca	44	45	1	103147.161	ug/l	0.72	21,508,169.68	7.512E+00	Analog	0.10	3
Ca	44	45	2	103265.613	ug/l	0.90	630,741.41	3.801E+00	Pulse	0.20	3
Ti	47	45	1	0.464	ug/l	29.97	326.68	1.139E-04	Pulse	0.10	3
Ti	47	45	2	0.557	ug/l	45.36	23.33	1.409E-04	Pulse	0.20	3
V	51	45	2	1.288	ug/l	5.53	1,853.48	1.117E-02	Pulse	0.20	3
Cr	52	45	2	3.452	ug/l	2.03	7,783.65	4.691E-02	Pulse	0.20	3
Mn	55	45	2	39.216	ug/l	1.44	33,081.89	1.994E-01	Pulse	0.20	3
Fe	56	45	2	7.275	ug/l	2.79	11,060.59	6.664E-02	Pulse	0.20	3
Co	59	45	2	0.572	ug/l	1.55	1,376.75	8.296E-03	Pulse	0.20	3
Ni	60	45	2	2.252	ug/l	6.59	1,515.10	9.128E-03	Pulse	0.20	3
Cu	63	45	2	1.968	ug/l	2.70	3,183.70	1.919E-02	Pulse	0.20	3
Cu	65	45	2	1.967	ug/l	11.11	1,595.11	9.607E-03	Pulse	0.20	3
Zn	66	45	2	3.075	ug/l	10.65	905.04	5.451E-03	Pulse	0.20	3
As	75	45	2	0.328	ug/l	15.23	68.67	4.141E-04	Pulse	0.50	3
Se	78	45	2	3.966	ug/l	2.38	82.67	4.981E-04	Pulse	1.00	3
Se	78	45	3	4.045	ug/l	3.25	195.33	6.692E-04	Pulse	1.00	3
Sr	88	45	1	452.965	ug/l	1.21	5,174,029.92	1.807E+00	Analog	0.10	3
Mo	95	103	1	0.948	ug/l	7.91	2,173.57	5.765E-04	Pulse	0.10	3
Ag	107	115	1	0.007	ug/l	147.91	146.67	3.448E-05	Pulse	0.10	3
Cd	111	115	1	0.114	ug/l	13.73	137.33	3.233E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.107	ug/l	29.43	52.00	4.680E-05	Pulse	0.25	3
Sn	117	115	1	0.341	ug/l	5.00	450.02	1.059E-04	Pulse	0.10	3
Sn	118	115	1	0.248	ug/l	12.64	1,103.42	2.597E-04	Pulse	0.10	3
Sn	118	115	2	0.383	ug/l	7.64	496.69	4.468E-04	Pulse	0.10	3
Sn	119	115	1	0.236	ug/l	55.67	633.37	1.490E-04	Pulse	0.10	3
Sb	121	159	1	0.446	ug/l	14.51	2,013.54	3.051E-04	Pulse	0.10	3
Ba	137	159	1	108.454	ug/l	1.14	204,352.08	3.096E-02	Pulse	0.10	3
Tl	205	209	1	0.324	ug/l	2.45	3,400.51	9.579E-04	Pulse	0.10	3
Pb	208	209	1	0.018	ug/l	41.07	1,216.73	3.428E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,362,619.01	0.08	77.1	Analog	0.10	3
1	Sc	45	2,863,122.98	0.91	84.0	Analog	0.10	3
2	Sc	45	165,953.62	0.83	86.0	Pulse	0.10	3
3	Sc	45	291,867.72	0.38	97.3	Pulse	0.10	3
1	Ge	72	627,340.41	1.30	93.1	Pulse	0.10	3
2	Ge	72	104,061.58	0.44	90.0	Pulse	0.10	3
3	Ge	72	147,136.69	0.74	99.5	Pulse	0.10	3
1	Rh	103	3,768,649.21	0.94	91.8	Analog	0.10	3
2	Rh	103	2,285,344.86	0.06	89.0	Analog	0.10	3
1	In	115	4,250,284.18	0.54	100.8	Analog	0.10	3
2	In	115	1,111,848.13	0.37	91.4	Pulse	0.10	3
1	Tb	159	6,601,085.74	0.88	110.1	Analog	0.10	3
2	Tb	159	4,049,606.61	0.51	102.1	Analog	0.10	3
1	Ho	165	6,233,026.16	1.42	111.1	Analog	0.10	3
2	Ho	165	3,944,742.86	0.48	103.5	Analog	0.10	3
1	Bi	209	3,550,071.82	0.59	108.3	Analog	0.10	3
2	Bi	209	2,550,758.40	0.73	100.0	Analog	0.10	3

Quantitation Report

File Name	064SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 19:54
Sample Name	mp68786a-sd2
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.188	ug/l	-50.17	44.00	2.566E-05	Pulse	0.25	3
B	11	6	1	173.088	ug/l	2.11	41,011.89	2.393E-02	Pulse	0.15	3
Na	23	45	1	59549.568	ug/l	0.43	70,178,193.96	2.137E+01	Analog	0.10	3
Na	23	45	2	59327.318	ug/l	0.77	2,680,533.40	1.410E+01	Analog	0.20	3
Mg	24	45	1	20082.388	ug/l	0.24	16,087,440.18	4.898E+00	Analog	0.10	3
Mg	24	45	2	19897.747	ug/l	0.76	466,227.52	2.453E+00	Pulse	0.20	3
Al	27	45	1	25.685	ug/l	4.71	31,941.65	9.727E-03	Pulse	0.10	3
Al	27	45	2	14.976	ug/l	10.33	185.01	9.735E-04	Pulse	0.20	3
K	39	45	1	3144.491	ug/l	0.89	5,890,407.20	1.793E+00	Analog	0.10	3
K	39	45	2	3139.845	ug/l	0.73	88,799.06	4.671E-01	Pulse	0.20	3
Ca	43	45	1	98732.041	ug/l	0.70	301,044.48	9.166E-02	Pulse	1.50	3
Ca	43	45	2	98250.637	ug/l	0.25	7,911.66	4.162E-02	Pulse	1.50	3
Ca	44	45	1	98932.545	ug/l	0.25	4,734,710.66	1.442E+00	Analog	0.10	3
Ca	44	45	2	97180.472	ug/l	0.70	136,018.75	7.155E-01	Pulse	0.20	3
Ti	47	45	1	0.635	ug/l	16.74	143.34	4.363E-05	Pulse	0.10	3
Ti	47	45	2	0.866	ug/l	91.33	8.33	4.377E-05	Pulse	0.20	3
V	51	45	2	0.733	ug/l	12.01	518.35	2.727E-03	Pulse	0.20	3
Cr	52	45	2	-1.758	ug/l	-12.24	2,248.53	1.183E-02	Pulse	0.20	3
Mn	55	45	2	37.168	ug/l	1.52	7,193.37	3.784E-02	Pulse	0.20	3
Fe	56	45	2	23.492	ug/l	2.78	9,047.65	4.759E-02	Pulse	0.20	3
Co	59	45	2	0.521	ug/l	15.23	350.01	1.841E-03	Pulse	0.20	3
Ni	60	45	2	2.327	ug/l	22.18	498.35	2.623E-03	Pulse	0.20	3
Cu	63	45	2	2.381	ug/l	13.17	941.72	4.956E-03	Pulse	0.20	3
Cu	65	45	2	1.991	ug/l	19.07	416.68	2.192E-03	Pulse	0.20	3
Zn	66	45	2	7.737	ug/l	16.63	573.36	3.015E-03	Pulse	0.20	3
As	75	45	2	0.344	ug/l	34.99	27.33	1.439E-04	Pulse	0.50	3
Se	78	45	2	1.095	ug/l	112.89	28.00	1.472E-04	Pulse	1.00	3
Se	78	45	3	4.943	ug/l	14.87	52.67	1.678E-04	Pulse	1.00	3
Sr	88	45	1	421.755	ug/l	0.39	1,105,613.47	3.366E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.550	ug/l	11.53	406.69	9.632E-05	Pulse	0.10	3
Ag	107	115	1	0.055	ug/l	67.54	183.34	3.963E-05	Pulse	0.10	3
Cd	111	115	1	0.159	ug/l	23.57	53.33	1.153E-05	Pulse	0.25	3
Cd	111	115	2	0.142	ug/l	88.20	17.33	1.396E-05	Pulse	0.25	3
Sn	117	115	1	0.078	ug/l	166.26	120.00	2.595E-05	Pulse	0.10	3
Sn	118	115	1	0.217	ug/l	17.66	456.69	9.878E-05	Pulse	0.10	3
Sn	118	115	2	0.184	ug/l	90.43	133.34	1.074E-04	Pulse	0.10	3
Sn	119	115	1	-0.687	ug/l	-8.43	200.01	4.324E-05	Pulse	0.10	3
Sb	121	159	1	0.673	ug/l	61.76	876.73	1.285E-04	Pulse	0.10	3
Ba	137	159	1	106.829	ug/l	1.14	42,392.40	6.205E-03	Pulse	0.10	3
Tl	205	209	1	1.004	ug/l	8.17	2,433.63	6.424E-04	Pulse	0.10	3
Pb	208	209	1	-0.029	ug/l	-72.25	986.73	2.604E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,713,695.55	0.20	97.0	Analog	0.10	3
1	Sc	45	3,284,502.66	0.91	96.4	Analog	0.10	3
2	Sc	45	190,101.54	0.69	98.6	Pulse	0.10	3
3	Sc	45	314,062.31	0.98	104.7	Pulse	0.10	3
1	Ge	72	676,396.03	0.15	100.4	Pulse	0.10	3
2	Ge	72	114,526.87	0.73	99.1	Pulse	0.10	3
3	Ge	72	154,907.96	0.24	104.7	Pulse	0.10	3
1	Rh	103	4,221,341.92	0.49	102.9	Analog	0.10	3
2	Rh	103	2,586,696.11	0.43	100.7	Analog	0.10	3
1	In	115	4,623,282.08	1.17	109.6	Analog	0.10	3
2	In	115	1,242,192.18	0.20	102.2	Pulse	0.10	3
1	Tb	159	6,831,519.07	0.53	113.9	Analog	0.10	3
2	Tb	159	4,273,569.62	0.07	107.7	Analog	0.10	3
1	Ho	165	6,459,159.49	0.64	115.1	Analog	0.10	3
2	Ho	165	4,143,945.04	0.35	108.7	Analog	0.10	3
1	Bi	209	3,789,466.92	0.78	115.6	Analog	0.10	3
2	Bi	209	2,765,698.19	0.10	108.5	Analog	0.10	3

Quantitation Report

File Name	065SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 19:59
Sample Name	jb23822-1
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.013	ug/l	276.68	89.33	6.643E-05	Pulse	0.25	3
B	11	6	1	142.700	ug/l	0.84	124,881.98	9.303E-02	Pulse	0.15	3
Na	23	45	1	83057.188	ug/l	1.82	418,334,393.77	1.486E+02	Analog	0.10	3
Na	23	45	2	92792.618	ug/l	0.91	17,624,980.16	1.100E+02	Analog	0.20	3
Mg	24	45	1	6734.300	ug/l	1.93	23,118,717.99	8.212E+00	Analog	0.10	3
Mg	24	45	2	7477.562	ug/l	0.71	738,561.86	4.608E+00	Pulse	0.20	3
Al	27	45	1	170.966	ug/l	2.15	797,608.95	2.833E-01	Pulse	0.10	3
Al	27	45	2	179.843	ug/l	3.58	7,001.61	4.367E-02	Pulse	0.20	3
K	39	45	1	10804.518	ug/l	2.43	71,657,977.27	2.545E+01	Analog	0.10	3
K	39	45	2	11717.776	ug/l	0.57	1,268,171.59	7.912E+00	Mix	0.20	3
Ca	43	45	1	119319.450	ug/l	1.88	1,558,843.78	5.537E-01	Analog	1.50	3
Ca	43	45	2	127674.440	ug/l	0.57	43,335.87	2.704E-01	Pulse	1.50	3
Ca	44	45	1	127455.412	ug/l	1.82	26,131,542.94	9.282E+00	Analog	0.10	3
Ca	44	45	2	126951.510	ug/l	1.15	748,894.60	4.673E+00	Pulse	0.20	3
Ti	47	45	1	14.302	ug/l	13.39	8,448.06	3.002E-03	Pulse	0.10	3
Ti	47	45	2	13.121	ug/l	5.85	531.69	3.317E-03	Pulse	0.20	3
V	51	45	2	6.738	ug/l	1.19	8,248.88	5.147E-02	Pulse	0.20	3
Cr	52	45	2	48.381	ug/l	3.10	73,929.51	4.612E-01	Pulse	0.20	3
Mn	55	45	2	631.839	ug/l	1.00	514,649.41	3.211E+00	Pulse	0.20	3
Fe	56	45	2	521.524	ug/l	1.21	619,974.05	3.868E+00	Pulse	0.20	3
Co	59	45	2	1.088	ug/l	6.99	2,470.23	1.542E-02	Pulse	0.20	3
Ni	60	45	2	26.082	ug/l	1.40	15,369.43	9.590E-02	Pulse	0.20	3
Cu	63	45	2	3.202	ug/l	4.66	4,960.86	3.096E-02	Pulse	0.20	3
Cu	65	45	2	3.229	ug/l	4.11	2,495.25	1.557E-02	Pulse	0.20	3
Zn	66	45	2	4.570	ug/l	14.27	1,256.74	7.833E-03	Pulse	0.20	3
As	75	45	2	2.604	ug/l	8.57	446.68	2.787E-03	Pulse	0.50	3
Se	78	45	2	2.312	ug/l	4.31	55.00	3.432E-04	Pulse	1.00	3
Se	78	45	3	2.260	ug/l	6.20	107.33	3.763E-04	Pulse	1.00	3
Sr	88	45	1	556.041	ug/l	2.19	6,244,589.28	2.218E+00	Analog	0.10	3
Mo	95	103	1	33.341	ug/l	0.66	70,458.91	1.915E-02	Pulse	0.10	3
Ag	107	115	1	0.025	ug/l	81.28	236.68	5.620E-05	Pulse	0.10	3
Cd	111	115	1	0.129	ug/l	24.53	152.00	3.614E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.139	ug/l	22.97	64.00	6.005E-05	Pulse	0.25	3
Sn	117	115	1	0.320	ug/l	26.02	423.36	1.006E-04	Pulse	0.10	3
Sn	118	115	1	0.283	ug/l	23.72	1,206.76	2.868E-04	Pulse	0.10	3
Sn	118	115	2	0.279	ug/l	35.03	366.69	3.444E-04	Pulse	0.10	3
Sn	119	115	1	0.313	ug/l	34.10	720.04	1.709E-04	Pulse	0.10	3
Sb	121	159	1	0.763	ug/l	5.12	3,193.78	4.848E-04	Pulse	0.10	3
Ba	137	159	1	83.107	ug/l	2.99	156,407.51	2.375E-02	Pulse	0.10	3
Tl	205	209	1	0.244	ug/l	7.65	2,657.02	7.526E-04	Pulse	0.10	3
Pb	208	209	1	1.072	ug/l	5.20	14,186.56	4.018E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,342,479.16	0.63	76.0	Analog	0.10	3
1	Sc	45	2,815,936.31	1.89	82.6	Analog	0.10	3
2	Sc	45	160,282.44	1.15	83.1	Pulse	0.10	3
3	Sc	45	285,226.40	0.05	95.1	Pulse	0.10	3
1	Ge	72	613,483.23	1.82	91.1	Pulse	0.10	3
2	Ge	72	99,332.05	0.57	85.9	Pulse	0.10	3
3	Ge	72	143,113.67	0.23	96.8	Pulse	0.10	3
1	Rh	103	3,680,144.95	0.91	89.7	Analog	0.10	3
2	Rh	103	2,221,675.85	0.08	86.5	Analog	0.10	3
1	In	115	4,210,974.92	0.76	99.8	Analog	0.10	3
2	In	115	1,065,106.28	0.48	87.6	Pulse	0.10	3
1	Tb	159	6,585,994.28	0.71	109.8	Analog	0.10	3
2	Tb	159	3,921,932.02	0.61	98.9	Analog	0.10	3
1	Ho	165	6,247,595.95	1.01	111.4	Analog	0.10	3
2	Ho	165	3,802,227.55	0.93	99.7	Analog	0.10	3
1	Bi	209	3,530,318.49	0.40	107.7	Analog	0.10	3
2	Bi	209	2,476,831.21	0.92	97.1	Analog	0.10	3

Quantitation Report

File Name	066SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 20:04
Sample Name	jb23822-3
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.039	ug/l	-13.51	34.67	2.425E-05	Pulse	0.25	3
B	11	6	1	9.351	ug/l	2.90	11,123.90	7.779E-03	Pulse	0.15	3
Na	23	45	1	120.038	ug/l	10.70	831,540.07	2.841E-01	Pulse	0.10	3
Na	23	45	2	77.343	ug/l	6.99	23,316.55	1.365E-01	Pulse	0.20	3
Mg	24	45	1	17.963	ug/l	10.71	66,253.74	2.263E-02	Pulse	0.10	3
Mg	24	45	2	11.015	ug/l	17.43	1,218.41	7.141E-03	Pulse	0.20	3
Al	27	45	1	5.613	ug/l	4.88	30,762.63	1.051E-02	Pulse	0.10	3
Al	27	45	2	3.244	ug/l	23.20	176.67	1.034E-03	Pulse	0.20	3
K	39	45	1	24.843	ug/l	7.04	1,137,782.22	3.888E-01	Pulse	0.10	3
K	39	45	2	15.491	ug/l	21.00	9,549.58	5.592E-02	Pulse	0.20	3
Ca	43	45	1	170.837	ug/l	10.28	2,410.85	8.236E-04	Pulse	1.50	3
Ca	43	45	2	108.491	ug/l	14.28	40.00	2.344E-04	Pulse	1.50	3
Ca	44	45	1	182.956	ug/l	10.71	41,046.46	1.402E-02	Pulse	0.10	3
Ca	44	45	2	113.469	ug/l	9.29	738.37	4.324E-03	Pulse	0.20	3
Ti	47	45	1	0.180	ug/l	18.55	160.01	5.470E-05	Pulse	0.10	3
Ti	47	45	2	0.000	ug/l	---	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	0.443	ug/l	8.65	840.04	4.919E-03	Pulse	0.20	3
Cr	52	45	2	2.646	ug/l	9.93	6,738.17	3.947E-02	Pulse	0.20	3
Mn	55	45	2	0.499	ug/l	19.38	443.35	2.598E-03	Pulse	0.20	3
Fe	56	45	2	12.426	ug/l	2.64	17,883.25	1.047E-01	Pulse	0.20	3
Co	59	45	2	-0.012	ug/l	-47.20	40.00	2.346E-04	Pulse	0.20	3
Ni	60	45	2	0.112	ug/l	56.12	228.34	1.336E-03	Pulse	0.20	3
Cu	63	45	2	0.236	ug/l	11.23	455.02	2.665E-03	Pulse	0.20	3
Cu	65	45	2	0.194	ug/l	17.32	210.00	1.229E-03	Pulse	0.20	3
Zn	66	45	2	1.199	ug/l	6.28	420.01	2.460E-03	Pulse	0.20	3
As	75	45	2	0.092	ug/l	39.39	28.67	1.679E-04	Pulse	0.50	3
Se	78	45	2	0.088	ug/l	460.79	23.00	1.349E-04	Pulse	1.00	3
Se	78	45	3	0.142	ug/l	87.04	8.67	2.892E-05	Pulse	1.00	3
Sr	88	45	1	0.827	ug/l	10.01	10,063.61	3.438E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.125	ug/l	15.36	433.36	1.051E-04	Pulse	0.10	3
Ag	107	115	1	0.008	ug/l	106.99	163.34	3.602E-05	Pulse	0.10	3
Cd	111	115	1	0.009	ug/l	92.44	26.67	5.880E-06	Pulse	0.25	3
Cd	111	115	2	0.011	ug/l	72.37	8.00	6.851E-06	Pulse	0.25	3
Sn	117	115	1	0.215	ug/l	36.02	340.02	7.502E-05	Pulse	0.10	3
Sn	118	115	1	0.153	ug/l	7.23	836.72	1.845E-04	Pulse	0.10	3
Sn	118	115	2	0.135	ug/l	14.71	236.68	2.033E-04	Pulse	0.10	3
Sn	119	115	1	-0.002	ug/l	-4634.25	370.02	8.165E-05	Pulse	0.10	3
Sb	121	159	1	0.081	ug/l	38.80	670.04	9.818E-05	Pulse	0.10	3
Ba	137	159	1	5.053	ug/l	0.83	10,707.46	1.569E-03	Pulse	0.10	3
Tl	205	209	1	0.163	ug/l	3.21	2,093.56	5.468E-04	Pulse	0.10	3
Pb	208	209	1	-0.009	ug/l	-124.62	953.38	2.490E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,430,423.73	1.82	81.0	Analog	0.10	3
1	Sc	45	2,925,976.41	0.56	85.9	Analog	0.10	3
2	Sc	45	170,788.11	0.89	88.6	Pulse	0.10	3
3	Sc	45	298,759.54	0.76	99.6	Pulse	0.10	3
1	Ge	72	652,102.44	0.92	96.8	Pulse	0.10	3
2	Ge	72	109,959.95	1.46	95.1	Pulse	0.10	3
3	Ge	72	153,541.26	1.17	103.8	Pulse	0.10	3
1	Rh	103	4,123,262.65	0.25	100.5	Analog	0.10	3
2	Rh	103	2,498,369.91	0.44	97.3	Analog	0.10	3
1	In	115	4,534,712.80	0.34	107.5	Analog	0.10	3
2	In	115	1,164,567.74	1.00	95.8	Pulse	0.10	3
1	Tb	159	6,823,186.15	0.28	113.8	Analog	0.10	3
2	Tb	159	4,130,404.11	0.28	104.1	Analog	0.10	3
1	Ho	165	6,441,938.65	0.39	114.8	Analog	0.10	3
2	Ho	165	4,021,198.48	0.50	105.5	Analog	0.10	3
1	Bi	209	3,829,242.24	0.60	116.8	Analog	0.10	3
2	Bi	209	2,736,279.02	0.27	107.3	Analog	0.10	3

Quantitation Report

File Name	067SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 20:09
Sample Name	jb23822-1f
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.050	ug/l	-7.64	20.00	1.541E-05	Pulse	0.25	3
B	11	6	1	153.505	ug/l	1.76	129,731.51	9.993E-02	Pulse	0.15	3
Na	23	45	1	86910.003	ug/l	1.82	427,025,873.64	1.555E+02	Analog	0.10	3
Na	23	45	2	99681.815	ug/l	0.24	18,601,299.72	1.181E+02	Analog	0.20	3
Mg	24	45	1	6977.512	ug/l	2.40	23,367,395.49	8.508E+00	Analog	0.10	3
Mg	24	45	2	7927.032	ug/l	0.39	769,225.87	4.885E+00	Pulse	0.20	3
Al	27	45	1	12.478	ug/l	3.13	59,976.56	2.184E-02	Pulse	0.10	3
Al	27	45	2	13.774	ug/l	20.41	563.36	3.576E-03	Pulse	0.20	3
K	39	45	1	11357.328	ug/l	2.01	73,440,545.57	2.674E+01	Analog	0.10	3
K	39	45	2	12245.815	ug/l	1.05	1,301,738.65	8.267E+00	Analog	0.20	3
Ca	43	45	1	126344.395	ug/l	2.00	1,610,238.33	5.863E-01	Analog	1.50	3
Ca	43	45	2	137735.058	ug/l	0.64	45,930.72	2.917E-01	Pulse	1.50	3
Ca	44	45	1	133078.228	ug/l	1.87	26,616,893.77	9.691E+00	Analog	0.10	3
Ca	44	45	2	136650.151	ug/l	0.35	791,970.25	5.030E+00	Pulse	0.20	3
Ti	47	45	1	0.994	ug/l	12.22	616.70	2.246E-04	Pulse	0.10	3
Ti	47	45	2	1.252	ug/l	94.94	50.01	3.166E-04	Pulse	0.20	3
V	51	45	2	5.807	ug/l	2.33	7,019.97	4.458E-02	Pulse	0.20	3
Cr	52	45	2	2.275	ug/l	7.97	5,676.08	3.605E-02	Pulse	0.20	3
Mn	55	45	2	670.796	ug/l	0.91	536,796.07	3.409E+00	Pulse	0.20	3
Fe	56	45	2	69.320	ug/l	1.58	82,720.90	5.253E-01	Pulse	0.20	3
Co	59	45	2	0.785	ug/l	6.87	1,768.46	1.123E-02	Pulse	0.20	3
Ni	60	45	2	12.245	ug/l	1.26	7,166.71	4.552E-02	Pulse	0.20	3
Cu	63	45	2	2.351	ug/l	3.14	3,597.13	2.285E-02	Pulse	0.20	3
Cu	65	45	2	2.381	ug/l	2.34	1,820.14	1.156E-02	Pulse	0.20	3
Zn	66	45	2	6.940	ug/l	3.12	1,828.47	1.161E-02	Pulse	0.20	3
As	75	45	2	2.444	ug/l	7.58	412.68	2.621E-03	Pulse	0.50	3
Se	78	45	2	2.036	ug/l	31.05	50.00	3.174E-04	Pulse	1.00	3
Se	78	45	3	2.363	ug/l	8.57	113.67	3.932E-04	Pulse	1.00	3
Sr	88	45	1	594.698	ug/l	2.64	6,515,369.69	2.372E+00	Analog	0.10	3
Mo	95	103	1	33.158	ug/l	2.78	70,071.06	1.904E-02	Pulse	0.10	3
Ag	107	115	1	-0.007	ug/l	-87.86	76.67	1.809E-05	Pulse	0.10	3
Cd	111	115	1	0.093	ug/l	10.47	114.67	2.707E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.079	ug/l	27.29	37.33	3.518E-05	Pulse	0.25	3
Sn	117	115	1	0.189	ug/l	27.84	290.02	6.842E-05	Pulse	0.10	3
Sn	118	115	1	0.215	ug/l	4.39	990.07	2.337E-04	Pulse	0.10	3
Sn	118	115	2	0.225	ug/l	35.60	310.02	2.914E-04	Pulse	0.10	3
Sn	119	115	1	0.185	ug/l	46.87	570.03	1.345E-04	Pulse	0.10	3
Sb	121	159	1	0.789	ug/l	4.23	3,317.15	5.000E-04	Pulse	0.10	3
Ba	137	159	1	84.977	ug/l	3.15	161,095.09	2.428E-02	Pulse	0.10	3
Tl	205	209	1	0.178	ug/l	6.02	2,106.90	5.835E-04	Pulse	0.10	3
Pb	208	209	1	0.118	ug/l	2.07	2,496.85	6.914E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,298,266.18	0.74	73.5	Analog	0.10	3
1	Sc	45	2,746,690.37	0.74	80.6	Analog	0.10	3
2	Sc	45	157,463.81	0.50	81.6	Pulse	0.10	3
3	Sc	45	289,152.44	1.16	96.4	Pulse	0.10	3
1	Ge	72	611,370.04	0.73	90.7	Pulse	0.10	3
2	Ge	72	100,850.87	1.31	87.2	Pulse	0.10	3
3	Ge	72	145,464.34	1.62	98.4	Pulse	0.10	3
1	Rh	103	3,680,808.28	1.30	89.7	Analog	0.10	3
2	Rh	103	2,209,256.79	0.49	86.0	Analog	0.10	3
1	In	115	4,236,458.26	0.66	100.5	Analog	0.10	3
2	In	115	1,062,596.19	0.78	87.4	Pulse	0.10	3
1	Tb	159	6,635,516.36	1.11	110.6	Analog	0.10	3
2	Tb	159	3,929,284.94	0.90	99.0	Analog	0.10	3
1	Ho	165	6,297,775.33	0.91	112.3	Analog	0.10	3
2	Ho	165	3,831,672.44	1.03	100.5	Analog	0.10	3
1	Bi	209	3,611,827.24	1.14	110.2	Analog	0.10	3
2	Bi	209	2,503,081.94	0.32	98.2	Analog	0.10	3

Quantitation Report

File Name	068SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 20:14
Sample Name	jb23822-3f
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.028	ug/l	-63.38	48.00	3.298E-05	Pulse	0.25	3
B	11	6	1	8.570	ug/l	2.67	10,652.45	7.279E-03	Pulse	0.15	3
Na	23	45	1	141.449	ug/l	33.94	964,063.79	3.224E-01	Mix	0.10	3
Na	23	45	2	85.990	ug/l	7.40	25,227.80	1.468E-01	Pulse	0.20	3
Mg	24	45	1	15.255	ug/l	33.42	57,809.54	1.933E-02	Pulse	0.10	3
Mg	24	45	2	8.097	ug/l	4.46	918.38	5.343E-03	Pulse	0.20	3
Al	27	45	1	6.211	ug/l	9.06	34,381.97	1.150E-02	Pulse	0.10	3
Al	27	45	2	6.111	ug/l	18.93	296.68	1.726E-03	Pulse	0.20	3
K	39	45	1	27.080	ug/l	11.77	1,178,157.17	3.940E-01	Mix	0.10	3
K	39	45	2	18.960	ug/l	17.77	10,011.51	5.825E-02	Pulse	0.20	3
Ca	43	45	1	241.823	ug/l	30.30	3,448.03	1.153E-03	Pulse	1.50	3
Ca	43	45	2	124.769	ug/l	16.46	46.22	2.689E-04	Pulse	1.50	3
Ca	44	45	1	244.860	ug/l	29.09	55,414.06	1.853E-02	Pulse	0.10	3
Ca	44	45	2	157.704	ug/l	4.94	1,023.39	5.952E-03	Pulse	0.20	3
Ti	47	45	1	0.233	ug/l	57.81	196.67	6.582E-05	Pulse	0.10	3
Ti	47	45	2	0.269	ug/l	49.75	11.67	6.798E-05	Pulse	0.20	3
V	51	45	2	0.410	ug/l	1.84	803.37	4.673E-03	Pulse	0.20	3
Cr	52	45	2	1.595	ug/l	5.11	5,117.56	2.978E-02	Pulse	0.20	3
Mn	55	45	2	0.777	ug/l	18.31	690.03	4.009E-03	Pulse	0.20	3
Fe	56	45	2	7.359	ug/l	2.47	11,560.91	6.726E-02	Pulse	0.20	3
Co	59	45	2	0.033	ug/l	50.32	146.67	8.547E-04	Pulse	0.20	3
Ni	60	45	2	0.155	ug/l	21.80	256.68	1.492E-03	Pulse	0.20	3
Cu	63	45	2	0.705	ug/l	6.40	1,226.74	7.138E-03	Pulse	0.20	3
Cu	65	45	2	0.691	ug/l	16.87	615.02	3.575E-03	Pulse	0.20	3
Zn	66	45	2	1.766	ug/l	6.17	578.35	3.363E-03	Pulse	0.20	3
As	75	45	2	0.195	ug/l	37.96	47.33	2.759E-04	Pulse	0.50	3
Se	78	45	2	-0.256	ug/l	-108.89	17.67	1.027E-04	Pulse	1.00	3
Se	78	45	3	0.153	ug/l	14.91	9.33	3.064E-05	Pulse	1.00	3
Sr	88	45	1	0.873	ug/l	32.80	10,829.31	3.622E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.122	ug/l	23.11	436.69	1.030E-04	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	189.26	130.01	2.789E-05	Pulse	0.10	3
Cd	111	115	1	0.017	ug/l	73.29	36.00	7.727E-06	Pulse	0.25	3
Cd	111	115	2	0.016	ug/l	143.36	10.67	9.044E-06	Pulse	0.25	3
Sn	117	115	1	0.149	ug/l	25.14	273.35	5.866E-05	Pulse	0.10	3
Sn	118	115	1	0.154	ug/l	27.95	863.39	1.852E-04	Pulse	0.10	3
Sn	118	115	2	0.198	ug/l	27.16	313.35	2.653E-04	Pulse	0.10	3
Sn	119	115	1	-0.002	ug/l	-2197.98	380.02	8.149E-05	Pulse	0.10	3
Sb	121	159	1	0.100	ug/l	41.34	766.72	1.091E-04	Pulse	0.10	3
Ba	137	159	1	0.178	ug/l	48.79	1,293.46	1.839E-04	Pulse	0.10	3
Tl	205	209	1	0.136	ug/l	14.80	1,883.53	4.773E-04	Pulse	0.10	3
Pb	208	209	1	0.024	ug/l	18.57	1,436.75	3.641E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,463,727.95	1.91	82.9	Analog	0.10	3
1	Sc	45	2,989,889.02	0.30	87.7	Analog	0.10	3
2	Sc	45	171,903.22	1.08	89.1	Pulse	0.10	3
3	Sc	45	304,557.32	0.25	101.5	Pulse	0.10	3
1	Ge	72	669,757.78	0.94	99.4	Pulse	0.10	3
2	Ge	72	109,711.65	1.22	94.9	Pulse	0.10	3
3	Ge	72	155,559.78	1.23	105.2	Pulse	0.10	3
1	Rh	103	4,240,025.25	0.08	103.3	Analog	0.10	3
2	Rh	103	2,523,993.66	0.19	98.3	Analog	0.10	3
1	In	115	4,662,082.12	0.45	110.5	Analog	0.10	3
2	In	115	1,182,274.89	0.83	97.2	Pulse	0.10	3
1	Tb	159	7,035,438.65	0.88	117.3	Analog	0.10	3
2	Tb	159	4,183,596.08	0.99	105.4	Analog	0.10	3
1	Ho	165	6,657,741.78	0.28	118.7	Analog	0.10	3
2	Ho	165	4,069,836.81	0.37	106.8	Analog	0.10	3
1	Bi	209	3,946,017.76	0.10	120.4	Analog	0.10	3
2	Bi	209	2,756,518.29	0.20	108.1	Analog	0.10	3

Quantitation Report

File Name	069SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 20:19
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.024	ug/l	-11.23	28.00	1.722E-05	Pulse	0.25	3
B	11	6	1	2.464	ug/l	3.94	8,059.85	4.952E-03	Pulse	0.15	3
Na	23	45	1	28.998	ug/l	9.00	547,993.98	1.732E-01	Pulse	0.10	3
Na	23	45	2	24.272	ug/l	8.14	18,825.85	1.024E-01	Pulse	0.20	3
Mg	24	45	1	3.531	ug/l	9.37	29,567.37	9.344E-03	Pulse	0.10	3
Mg	24	45	2	3.054	ug/l	11.03	756.70	4.117E-03	Pulse	0.20	3
Al	27	45	1	0.549	ug/l	6.96	9,693.16	3.062E-03	Pulse	0.10	3
Al	27	45	2	0.309	ug/l	137.59	73.33	3.996E-04	Pulse	0.20	3
K	39	45	1	5.153	ug/l	20.74	1,123,678.32	3.550E-01	Pulse	0.10	3
K	39	45	2	5.504	ug/l	13.59	9,728.00	5.291E-02	Pulse	0.20	3
Ca	43	45	1	45.143	ug/l	5.77	1,423.62	4.499E-04	Pulse	1.50	3
Ca	43	45	2	30.019	ug/l	8.98	24.22	1.318E-04	Pulse	1.50	3
Ca	44	45	1	46.738	ug/l	4.47	23,757.87	7.507E-03	Pulse	0.10	3
Ca	44	45	2	35.924	ug/l	15.71	513.35	2.792E-03	Pulse	0.20	3
Ti	47	45	1	0.017	ug/l	111.02	76.67	2.421E-05	Pulse	0.10	3
Ti	47	45	2	0.089	ug/l	91.41	8.33	4.510E-05	Pulse	0.20	3
V	51	45	2	0.051	ug/l	27.21	440.01	2.394E-03	Pulse	0.20	3
Cr	52	45	2	-0.337	ug/l	-6.06	1,628.44	8.859E-03	Pulse	0.20	3
Mn	55	45	2	0.163	ug/l	9.41	315.01	1.714E-03	Pulse	0.20	3
Fe	56	45	2	0.527	ug/l	4.99	3,795.50	2.065E-02	Pulse	0.20	3
Co	59	45	2	-0.008	ug/l	-29.14	31.67	1.720E-04	Pulse	0.20	3
Ni	60	45	2	0.002	ug/l	868.36	173.34	9.422E-04	Pulse	0.20	3
Cu	63	45	2	0.016	ug/l	53.25	133.33	7.258E-04	Pulse	0.20	3
Cu	65	45	2	0.019	ug/l	42.33	90.00	4.900E-04	Pulse	0.20	3
Zn	66	45	2	0.047	ug/l	31.52	128.33	6.983E-04	Pulse	0.20	3
As	75	45	2	0.019	ug/l	165.51	20.67	1.123E-04	Pulse	0.50	3
Se	78	45	2	0.079	ug/l	171.53	26.00	1.415E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.032	ug/l	1.06	5.00	1.614E-05	Pulse	1.00	3
Sr	88	45	1	0.185	ug/l	8.96	5,107.66	1.614E-03	Pulse	0.10	3
Mo	95	103	1	0.011	ug/l	139.03	196.68	4.577E-05	Pulse	0.10	3
Ag	107	115	1	0.002	ug/l	272.20	143.34	3.070E-05	Pulse	0.10	3
Cd	111	115	1	-0.002	ug/l	-93.11	12.00	2.570E-06	Pulse	0.25	3
Cd	111	115	2	-0.001	ug/l	-164.72	1.33	1.071E-06	Pulse	0.25	3
Sn	117	115	1	-0.010	ug/l	-87.45	80.00	1.715E-05	Pulse	0.10	3
Sn	118	115	1	0.005	ug/l	161.30	336.69	7.218E-05	Pulse	0.10	3
Sn	118	115	2	0.008	ug/l	205.31	106.67	8.608E-05	Pulse	0.10	3
Sn	119	115	1	-0.097	ug/l	-8.17	126.67	2.716E-05	Pulse	0.10	3
Sb	121	159	1	0.007	ug/l	177.16	420.02	6.007E-05	Pulse	0.10	3
Ba	137	159	1	-0.031	ug/l	-11.89	810.05	1.157E-04	Pulse	0.10	3
Tl	205	209	1	0.035	ug/l	13.14	1,193.44	3.061E-04	Pulse	0.10	3
Pb	208	209	1	-0.020	ug/l	-14.32	553.37	1.418E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,627,790.80	0.57	92.2	Analog	0.10	3
1	Sc	45	3,165,073.39	0.44	92.9	Analog	0.10	3
2	Sc	45	183,848.67	0.86	95.3	Pulse	0.10	3
3	Sc	45	309,705.16	0.69	103.2	Pulse	0.10	3
1	Ge	72	667,525.54	1.25	99.1	Pulse	0.10	3
2	Ge	72	111,989.53	0.37	96.9	Pulse	0.10	3
3	Ge	72	155,681.01	0.77	105.3	Pulse	0.10	3
1	Rh	103	4,300,159.52	0.38	104.8	Analog	0.10	3
2	Rh	103	2,611,699.02	0.59	101.7	Analog	0.10	3
1	In	115	4,665,442.40	0.46	110.6	Analog	0.10	3
2	In	115	1,238,652.63	0.60	101.9	Pulse	0.10	3
1	Tb	159	7,000,240.31	0.76	116.7	Analog	0.10	3
2	Tb	159	4,265,858.58	0.78	107.5	Analog	0.10	3
1	Ho	165	6,572,453.24	0.24	117.2	Analog	0.10	3
2	Ho	165	4,153,883.79	0.34	109.0	Analog	0.10	3
1	Bi	209	3,897,685.36	1.11	118.9	Analog	0.10	3
2	Bi	209	2,826,718.29	0.14	110.9	Analog	0.10	3

Quantitation Report

File Name	070SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 20:24
Sample Name	mp68812-mb1 2
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.127	ug/l	-21.57	25.33	1.492E-05	Pulse	0.25	3
B	11	6	1	10.536	ug/l	4.66	7,610.79	4.495E-03	Pulse	0.15	3
Na	23	45	1	45.819	ug/l	5.77	326,945.97	1.022E-01	Pulse	0.10	3
Na	23	45	2	52.989	ug/l	5.25	12,855.16	7.003E-02	Pulse	0.20	3
Mg	24	45	1	8.325	ug/l	0.33	15,327.56	4.793E-03	Pulse	0.10	3
Mg	24	45	2	7.549	ug/l	26.98	406.68	2.214E-03	Pulse	0.20	3
Al	27	45	1	11.379	ug/l	20.94	28,019.68	8.762E-03	Pulse	0.10	3
Al	27	45	2	7.842	ug/l	9.07	185.01	1.008E-03	Pulse	0.20	3
K	39	45	1	21.217	ug/l	1.77	1,121,957.28	3.508E-01	Pulse	0.10	3
K	39	45	2	26.935	ug/l	21.24	9,682.98	5.275E-02	Pulse	0.20	3
Ca	43	45	1	75.402	ug/l	4.80	546.46	1.709E-04	Pulse	1.50	3
Ca	43	45	2	68.809	ug/l	23.23	11.56	6.292E-05	Pulse	1.50	3
Ca	44	45	1	84.702	ug/l	4.87	10,130.21	3.168E-03	Pulse	0.10	3
Ca	44	45	2	77.559	ug/l	20.72	236.68	1.290E-03	Pulse	0.20	3
Ti	47	45	1	0.544	ug/l	11.84	200.01	6.254E-05	Pulse	0.10	3
Ti	47	45	2	0.447	ug/l	173.21	8.33	4.525E-05	Pulse	0.20	3
V	51	45	2	-0.033	ug/l	-211.23	283.34	1.544E-03	Pulse	0.20	3
Cr	52	45	2	1.296	ug/l	17.95	3,643.80	1.985E-02	Pulse	0.20	3
Mn	55	45	2	0.377	ug/l	38.02	151.67	8.263E-04	Pulse	0.20	3
Fe	56	45	2	14.683	ug/l	1.80	10,330.12	5.627E-02	Pulse	0.20	3
Co	59	45	2	-0.022	ug/l	-112.64	51.67	2.818E-04	Pulse	0.20	3
Ni	60	45	2	0.136	ug/l	89.10	206.67	1.126E-03	Pulse	0.20	3
Cu	63	45	2	0.304	ug/l	14.01	288.34	1.571E-03	Pulse	0.20	3
Cu	65	45	2	0.254	ug/l	6.17	145.00	7.900E-04	Pulse	0.20	3
Zn	66	45	2	2.060	ug/l	28.09	341.68	1.862E-03	Pulse	0.20	3
As	75	45	2	0.071	ug/l	166.17	18.67	1.016E-04	Pulse	0.50	3
Se	78	45	2	-0.714	ug/l	-77.84	18.33	9.991E-05	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.099	ug/l	57.20	3.67	1.208E-05	Pulse	1.00	3
Sr	88	45	1	0.333	ug/l	18.57	2,143.55	6.703E-04	Pulse	0.10	3
Mo	95	103	1	-0.042	ug/l	-150.24	100.01	2.370E-05	Pulse	0.10	3
Ag	107	115	1	-0.013	ug/l	-89.95	93.33	2.047E-05	Pulse	0.10	3
Cd	111	115	1	-0.020	ug/l	-66.78	6.67	1.463E-06	Pulse	0.25	3
Cd	111	115	2	-0.007	ug/l	-165.87	1.33	1.075E-06	Pulse	0.25	3
Sn	117	115	1	15.791	ug/l	4.98	7,175.23	1.573E-03	Pulse	0.10	3
Sn	118	115	1	15.834	ug/l	3.53	22,964.20	5.035E-03	Pulse	0.10	3
Sn	118	115	2	14.858	ug/l	5.33	7,302.01	5.891E-03	Pulse	0.10	3
Sn	119	115	1	15.626	ug/l	2.22	8,452.59	1.853E-03	Pulse	0.10	3
Sb	121	159	1	-0.038	ug/l	-126.86	296.69	4.347E-05	Pulse	0.10	3
Ba	137	159	1	-0.100	ug/l	-52.41	833.40	1.219E-04	Pulse	0.10	3
Tl	205	209	1	0.186	ug/l	19.17	1,230.10	3.195E-04	Pulse	0.10	3
Pb	208	209	1	-0.073	ug/l	-32.38	690.04	1.794E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,692,943.08	0.85	95.8	Analog	0.10	3
1	Sc	45	3,198,225.05	0.10	93.9	Analog	0.10	3
2	Sc	45	183,566.88	0.40	95.2	Pulse	0.10	3
3	Sc	45	303,287.99	0.61	101.1	Pulse	0.10	3
1	Ge	72	667,596.06	0.27	99.1	Pulse	0.10	3
2	Ge	72	113,087.26	0.79	97.8	Pulse	0.10	3
3	Ge	72	152,622.15	0.93	103.2	Pulse	0.10	3
1	Rh	103	4,223,407.23	0.58	102.9	Analog	0.10	3
2	Rh	103	2,603,420.69	0.90	101.4	Analog	0.10	3
1	In	115	4,561,754.48	0.55	108.2	Analog	0.10	3
2	In	115	1,239,512.91	0.59	101.9	Pulse	0.10	3
1	Tb	159	6,835,707.40	0.99	114.0	Analog	0.10	3
2	Tb	159	4,204,971.61	0.72	106.0	Analog	0.10	3
1	Ho	165	6,442,646.78	0.77	114.8	Analog	0.10	3
2	Ho	165	4,078,022.44	0.67	107.0	Analog	0.10	3
1	Bi	209	3,847,667.65	0.95	117.4	Analog	0.10	3
2	Bi	209	2,792,476.52	0.24	109.5	Analog	0.10	3

Quantitation Report

File Name	071SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 20:30
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	52.264	ug/l	0.71	135,762.33	8.494E-02	Pulse	0.25	3
B	11	6	1	55.137	ug/l	0.56	115,564.64	7.230E-02	Pulse	0.15	3
Na	23	45	1	5047.273	ug/l	1.05	54,195,580.86	1.812E+01	Analog	0.10	3
Na	23	45	2	5233.026	ug/l	1.79	2,118,911.79	1.244E+01	Analog	0.20	3
Mg	24	45	1	5009.620	ug/l	1.15	36,539,513.62	1.222E+01	Analog	0.10	3
Mg	24	45	2	5131.280	ug/l	1.16	1,077,010.84	6.324E+00	Pulse	0.20	3
Al	27	45	1	4877.273	ug/l	1.31	48,132,712.62	1.609E+01	Analog	0.10	3
Al	27	45	2	4972.516	ug/l	2.06	408,914.11	2.401E+00	Pulse	0.20	3
K	39	45	1	4918.609	ug/l	0.96	69,404,227.30	2.321E+01	Analog	0.10	3
K	39	45	2	4991.145	ug/l	1.23	1,149,027.02	6.747E+00	Pulse	0.20	3
Ca	43	45	1	5003.363	ug/l	1.20	138,963.17	4.646E-02	Pulse	1.50	3
Ca	43	45	2	5309.662	ug/l	2.93	3,829.78	2.249E-02	Pulse	1.50	3
Ca	44	45	1	5043.220	ug/l	0.63	2,198,811.48	7.352E-01	Analog	0.10	3
Ca	44	45	2	5154.204	ug/l	0.29	64,643.74	3.796E-01	Pulse	0.20	3
Ti	47	45	1	50.717	ug/l	1.15	63,382.03	2.119E-02	Pulse	0.10	3
Ti	47	45	2	52.935	ug/l	4.11	4,557.39	2.677E-02	Pulse	0.20	3
V	51	45	2	52.590	ug/l	1.44	132,732.68	7.794E-01	Pulse	0.20	3
Cr	52	45	2	52.727	ug/l	0.72	168,159.55	9.874E-01	Pulse	0.20	3
Mn	55	45	2	53.292	ug/l	2.04	92,247.27	5.417E-01	Pulse	0.20	3
Fe	56	45	2	5174.232	ug/l	1.47	13,030,059.39	7.652E+01	Analog	0.20	3
Co	59	45	2	52.311	ug/l	1.14	245,974.29	1.444E+00	Pulse	0.20	3
Ni	60	45	2	51.839	ug/l	1.47	64,444.03	3.784E-01	Pulse	0.20	3
Cu	63	45	2	52.633	ug/l	2.06	171,073.05	1.005E+00	Pulse	0.20	3
Cu	65	45	2	52.235	ug/l	1.19	84,115.97	4.939E-01	Pulse	0.20	3
Zn	66	45	2	53.099	ug/l	1.60	28,925.82	1.699E-01	Pulse	0.20	3
As	75	45	2	52.317	ug/l	0.98	18,595.99	1.092E-01	Pulse	0.50	3
Se	78	45	2	51.037	ug/l	2.22	1,649.42	9.687E-03	Pulse	1.00	3
Se	78	45	3	52.193	ug/l	1.25	4,973.44	1.713E-02	Pulse	1.00	3
Sr	88	45	1	57.884	ug/l	1.33	1,381,612.90	4.619E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	52.961	ug/l	0.83	239,802.35	6.075E-02	Pulse	0.10	3
Ag	107	115	1	49.359	ug/l	0.49	503,920.39	1.164E-01	Pulse	0.10	3
Cd	111	115	1	52.786	ug/l	1.02	115,711.39	2.674E-02	Pulse	0.25	3
Cd	111	115	2	52.313	ug/l	0.64	50,234.14	4.348E-02	Pulse	0.25	3
Sn	117	115	1	52.872	ug/l	0.42	112,475.74	2.599E-02	Pulse	0.10	3
Sn	118	115	1	53.439	ug/l	0.80	363,254.66	8.393E-02	Pulse	0.10	3
Sn	118	115	2	53.310	ug/l	0.87	120,690.43	1.045E-01	Pulse	0.10	3
Sn	119	115	1	53.657	ug/l	0.65	131,930.57	3.048E-02	Pulse	0.10	3
Sb	121	159	1	57.473	ug/l	0.15	431,444.28	6.526E-02	Pulse	0.10	3
Ba	137	159	1	50.121	ug/l	1.02	189,228.70	2.862E-02	Pulse	0.10	3
Tl	205	209	1	48.557	ug/l	2.10	906,811.68	2.481E-01	Pulse	0.10	3
Pb	208	209	1	52.666	ug/l	1.04	1,343,081.76	3.674E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,598,394.25	1.43	90.5	Analog	0.10	3
1	Sc	45	2,990,910.27	0.97	87.8	Analog	0.10	3
2	Sc	45	170,319.44	1.68	88.3	Pulse	0.10	3
3	Sc	45	290,337.83	0.10	96.8	Pulse	0.10	3
1	Ge	72	614,532.35	0.23	91.2	Pulse	0.10	3
2	Ge	72	103,300.22	0.86	89.3	Pulse	0.10	3
3	Ge	72	140,878.04	1.75	95.3	Pulse	0.10	3
1	Rh	103	3,947,010.57	0.79	96.2	Analog	0.10	3
2	Rh	103	2,430,001.94	0.76	94.6	Analog	0.10	3
1	In	115	4,327,897.80	0.76	102.6	Analog	0.10	3
2	In	115	1,155,294.51	0.28	95.0	Pulse	0.10	3
1	Tb	159	6,611,114.07	0.79	110.2	Analog	0.10	3
2	Tb	159	4,126,947.23	0.44	104.0	Analog	0.10	3
1	Ho	165	6,268,468.24	0.52	111.7	Analog	0.10	3
2	Ho	165	4,038,350.88	0.31	105.9	Analog	0.10	3
1	Bi	209	3,655,376.51	0.90	111.5	Analog	0.10	3
2	Bi	209	2,651,925.59	0.58	104.0	Analog	0.10	3

Quantitation Report

File Name	072SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 20:35
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.134	ug/l	14.68	442.68	2.741E-04	Pulse	0.25	3
B	11	6	1	2.814	ug/l	9.48	8,720.22	5.399E-03	Pulse	0.15	3
Na	23	45	1	15.385	ug/l	9.02	382,021.33	1.245E-01	Pulse	0.10	3
Na	23	45	2	11.216	ug/l	8.40	12,621.65	7.149E-02	Pulse	0.20	3
Mg	24	45	1	16.030	ug/l	7.46	122,209.60	3.982E-02	Pulse	0.10	3
Mg	24	45	2	10.390	ug/l	5.28	2,323.54	1.316E-02	Pulse	0.20	3
Al	27	45	1	15.737	ug/l	8.26	163,192.28	5.318E-02	Pulse	0.10	3
Al	27	45	2	10.946	ug/l	14.72	978.39	5.536E-03	Pulse	0.20	3
K	39	45	1	15.188	ug/l	9.10	1,232,827.69	4.017E-01	Pulse	0.10	3
K	39	45	2	11.097	ug/l	3.57	10,663.55	6.042E-02	Pulse	0.20	3
Ca	43	45	1	18.449	ug/l	12.26	620.23	2.021E-04	Pulse	1.50	3
Ca	43	45	2	13.141	ug/l	27.86	10.67	6.029E-05	Pulse	1.50	3
Ca	44	45	1	19.627	ug/l	5.40	10,920.83	3.559E-03	Pulse	0.10	3
Ca	44	45	2	11.978	ug/l	3.18	181.67	1.030E-03	Pulse	0.20	3
Ti	47	45	1	0.128	ug/l	35.21	216.68	7.065E-05	Pulse	0.10	3
Ti	47	45	2	0.093	ug/l	34.32	8.33	4.717E-05	Pulse	0.20	3
V	51	45	2	0.091	ug/l	15.55	528.35	2.992E-03	Pulse	0.20	3
Cr	52	45	2	-0.103	ug/l	-23.33	2,326.87	1.318E-02	Pulse	0.20	3
Mn	55	45	2	0.113	ug/l	18.12	213.34	1.208E-03	Pulse	0.20	3
Fe	56	45	2	11.405	ug/l	3.60	32,040.05	1.815E-01	Pulse	0.20	3
Co	59	45	2	0.096	ug/l	14.05	540.02	3.056E-03	Pulse	0.20	3
Ni	60	45	2	0.094	ug/l	27.24	285.01	1.616E-03	Pulse	0.20	3
Cu	63	45	2	0.117	ug/l	13.94	466.68	2.646E-03	Pulse	0.20	3
Cu	65	45	2	0.107	ug/l	51.20	235.00	1.327E-03	Pulse	0.20	3
Zn	66	45	2	0.154	ug/l	32.53	183.34	1.038E-03	Pulse	0.20	3
As	75	45	2	0.108	ug/l	43.77	52.67	2.977E-04	Pulse	0.50	3
Se	78	45	2	0.060	ug/l	151.35	24.33	1.378E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.086	ug/l	9.54	10.00	3.389E-05	Pulse	1.00	3
Sr	88	45	1	0.198	ug/l	9.31	5,264.44	1.716E-03	Pulse	0.10	3
Mo	95	103	1	0.209	ug/l	13.21	1,126.76	2.732E-04	Pulse	0.10	3
Ag	107	115	1	0.152	ug/l	4.55	1,723.50	3.855E-04	Pulse	0.10	3
Cd	111	115	1	0.149	ug/l	18.55	353.34	7.904E-05	Pulse	0.25	3
Cd	111	115	2	0.121	ug/l	14.96	124.00	1.027E-04	Pulse	0.25	3
Sn	117	115	1	0.237	ug/l	18.94	620.04	1.387E-04	Pulse	0.10	3
Sn	118	115	1	0.237	ug/l	16.19	1,950.21	4.361E-04	Pulse	0.10	3
Sn	118	115	2	0.251	ug/l	17.54	680.04	5.634E-04	Pulse	0.10	3
Sn	119	115	1	0.151	ug/l	49.16	750.05	1.678E-04	Pulse	0.10	3
Sb	121	159	1	0.212	ug/l	14.55	1,960.21	2.923E-04	Pulse	0.10	3
Ba	137	159	1	0.120	ug/l	36.44	1,350.11	2.014E-04	Pulse	0.10	3
Tl	205	209	1	0.484	ug/l	4.93	9,807.01	2.600E-03	Pulse	0.10	3
Pb	208	209	1	0.141	ug/l	10.60	4,760.52	1.263E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,615,413.36	0.44	91.5	Analog	0.10	3
1	Sc	45	3,069,016.31	0.42	90.1	Analog	0.10	3
2	Sc	45	176,500.71	1.43	91.5	Pulse	0.10	3
3	Sc	45	294,792.20	2.35	98.3	Pulse	0.10	3
1	Ge	72	636,830.53	0.84	94.5	Pulse	0.10	3
2	Ge	72	109,546.86	2.36	94.8	Pulse	0.10	3
3	Ge	72	148,568.07	0.67	100.5	Pulse	0.10	3
1	Rh	103	4,124,989.31	0.41	100.5	Analog	0.10	3
2	Rh	103	2,549,256.68	0.73	99.2	Analog	0.10	3
1	In	115	4,471,157.95	0.22	106.0	Analog	0.10	3
2	In	115	1,206,849.01	0.21	99.2	Pulse	0.10	3
1	Tb	159	6,704,901.57	0.08	111.8	Analog	0.10	3
2	Tb	159	4,170,892.65	0.37	105.1	Analog	0.10	3
1	Ho	165	6,345,090.11	0.67	113.1	Analog	0.10	3
2	Ho	165	4,037,571.09	0.42	105.9	Analog	0.10	3
1	Bi	209	3,770,737.34	0.84	115.0	Analog	0.10	3
2	Bi	209	2,747,124.02	0.93	107.7	Analog	0.10	3

Quantitation Report

File Name	073SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 20:40
Sample Name	mp68812-b1 2
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	116.344	ug/l	0.75	13,149.18	7.614E-03	Pulse	0.25	3
B	11	6	1	51.484	ug/l	3.29	7,657.49	4.434E-03	Pulse	0.15	3
Na	23	45	1	14459.770	ug/l	1.17	6,866,543.44	2.138E+00	Analog	0.10	3
Na	23	45	2	14338.662	ug/l	0.13	257,041.50	1.404E+00	Pulse	0.20	3
Mg	24	45	1	14387.940	ug/l	0.49	4,509,773.47	1.404E+00	Analog	0.10	3
Mg	24	45	2	13994.695	ug/l	1.16	126,393.65	6.903E-01	Pulse	0.20	3
Al	27	45	1	60089.998	ug/l	0.54	25,474,361.29	7.932E+00	Analog	0.10	3
Al	27	45	2	58896.831	ug/l	1.57	208,352.09	1.138E+00	Pulse	0.20	3
K	39	45	1	13959.962	ug/l	0.97	9,403,581.94	2.928E+00	Analog	0.10	3
K	39	45	2	13868.187	ug/l	0.46	144,715.44	7.904E-01	Pulse	0.20	3
Ca	43	45	1	14099.271	ug/l	0.31	16,908.72	5.265E-03	Pulse	1.50	3
Ca	43	45	2	13696.035	ug/l	7.27	425.56	2.325E-03	Pulse	1.50	3
Ca	44	45	1	14728.108	ug/l	1.18	277,798.62	8.650E-02	Pulse	0.10	3
Ca	44	45	2	13474.400	ug/l	2.99	7,291.74	3.982E-02	Pulse	0.20	3
Ti	47	45	1	2.027	ug/l	78.34	163.34	5.096E-05	Pulse	0.10	3
Ti	47	45	2	2.261	ug/l	173.21	8.33	4.573E-05	Pulse	0.20	3
V	51	45	2	1157.286	ug/l	0.50	125,661.16	6.863E-01	Pulse	0.20	3
Cr	52	45	2	480.903	ug/l	1.80	67,709.63	3.698E-01	Pulse	0.20	3
Mn	55	45	2	1195.981	ug/l	1.49	89,046.49	4.863E-01	Pulse	0.20	3
Fe	56	45	2	60020.087	ug/l	0.85	6,501,907.82	3.551E+01	Analog	0.20	3
Co	59	45	2	1155.907	ug/l	0.73	233,762.89	1.277E+00	Pulse	0.20	3
Ni	60	45	2	1152.227	ug/l	2.60	61,625.03	3.366E-01	Pulse	0.20	3
Cu	63	45	2	591.153	ug/l	0.38	82,685.23	4.516E-01	Pulse	0.20	3
Cu	65	45	2	592.512	ug/l	1.63	41,069.92	2.243E-01	Pulse	0.20	3
Zn	66	45	2	1241.463	ug/l	1.02	29,092.73	1.589E-01	Pulse	0.20	3
As	75	45	2	4921.191	ug/l	1.30	75,191.74	4.107E-01	Pulse	0.50	3
Se	78	45	2	4962.400	ug/l	1.96	6,830.79	3.731E-02	Pulse	1.00	3
Se	78	45	3	4966.152	ug/l	1.44	19,174.94	6.518E-02	Pulse	1.00	3
Sr	88	45	1	2.026	ug/l	5.16	2,523.64	7.856E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.957	ug/l	66.86	316.68	7.722E-05	Pulse	0.10	3
Ag	107	115	1	125.275	ug/l	1.13	52,474.51	1.184E-02	Pulse	0.10	3
Cd	111	115	1	128.912	ug/l	0.25	11,584.36	2.615E-03	Pulse	0.25	3
Cd	111	115	2	121.515	ug/l	5.08	4,939.51	4.042E-03	Pulse	0.25	3
Sn	117	115	1	32.121	ug/l	9.70	2,893.72	6.531E-04	Pulse	0.10	3
Sn	118	115	1	30.810	ug/l	1.73	8,856.19	1.999E-03	Pulse	0.10	3
Sn	118	115	2	31.448	ug/l	4.26	3,097.10	2.535E-03	Pulse	0.10	3
Sn	119	115	1	29.275	ug/l	4.18	3,303.81	7.456E-04	Pulse	0.10	3
Sb	121	159	1	1364.015	ug/l	0.64	405,801.67	6.196E-02	Pulse	0.10	3
Ba	137	159	1	4769.990	ug/l	0.48	711,185.59	1.086E-01	Pulse	0.10	3
Tl	205	209	1	4385.248	ug/l	2.06	3,301,150.26	8.957E-01	Analog	0.10	3
Pb	208	209	1	1232.129	ug/l	0.53	1,267,177.91	3.438E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,726,912.73	0.60	97.8	Analog	0.10	3
1	Sc	45	3,211,651.10	0.76	94.3	Analog	0.10	3
2	Sc	45	183,104.10	0.72	94.9	Pulse	0.10	3
3	Sc	45	294,189.72	0.24	98.1	Pulse	0.10	3
1	Ge	72	654,771.87	0.08	97.2	Pulse	0.10	3
2	Ge	72	112,009.95	0.80	96.9	Pulse	0.10	3
3	Ge	72	145,750.99	0.24	98.5	Pulse	0.10	3
1	Rh	103	4,100,107.86	0.11	99.9	Analog	0.10	3
2	Rh	103	2,544,882.20	0.75	99.1	Analog	0.10	3
1	In	115	4,430,379.18	0.57	105.0	Analog	0.10	3
2	In	115	1,221,956.93	0.17	100.5	Pulse	0.10	3
1	Tb	159	6,549,864.69	0.44	109.2	Analog	0.10	3
2	Tb	159	4,148,099.10	0.42	104.6	Analog	0.10	3
1	Ho	165	6,182,599.49	0.08	110.2	Analog	0.10	3
2	Ho	165	4,029,973.38	0.62	105.7	Analog	0.10	3
1	Bi	209	3,685,360.05	0.09	112.4	Analog	0.10	3
2	Bi	209	2,719,086.42	0.42	106.6	Analog	0.10	3

Quantitation Report

File Name	074SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 20:45
Sample Name	mp68812-s1
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	124.975	ug/l	0.55	14,004.59	8.175E-03	Pulse	0.25	3
B	11	6	1	54.707	ug/l	3.96	7,877.54	4.599E-03	Pulse	0.15	3
Na	23	45	1	15273.388	ug/l	1.58	7,228,329.47	2.254E+00	Analog	0.10	3
Na	23	45	2	15211.038	ug/l	1.17	271,780.99	1.486E+00	Pulse	0.20	3
Mg	24	45	1	26637.521	ug/l	1.59	8,333,431.96	2.599E+00	Analog	0.10	3
Mg	24	45	2	26192.871	ug/l	1.63	236,144.81	1.292E+00	Pulse	0.20	3
Al	27	45	1	120704.142	ug/l	0.91	51,082,277.57	1.593E+01	Analog	0.10	3
Al	27	45	2	119392.343	ug/l	1.34	421,675.29	2.306E+00	Pulse	0.20	3
K	39	45	1	27708.747	ug/l	0.82	17,588,456.41	5.486E+00	Analog	0.10	3
K	39	45	2	27312.963	ug/l	1.09	276,535.02	1.512E+00	Pulse	0.20	3
Ca	43	45	1	25049.469	ug/l	0.26	29,914.33	9.330E-03	Pulse	1.50	3
Ca	43	45	2	24409.007	ug/l	1.85	756.91	4.140E-03	Pulse	1.50	3
Ca	44	45	1	26006.272	ug/l	0.36	488,010.79	1.522E-01	Pulse	0.10	3
Ca	44	45	2	24606.227	ug/l	0.98	13,273.82	7.260E-02	Pulse	0.20	3
Ti	47	45	1	1149.287	ug/l	2.51	61,588.25	1.921E-02	Pulse	0.10	3
Ti	47	45	2	1150.278	ug/l	4.23	4,253.97	2.326E-02	Pulse	0.20	3
V	51	45	2	1277.103	ug/l	1.60	138,435.01	7.572E-01	Pulse	0.20	3
Cr	52	45	2	555.219	ug/l	2.13	77,632.74	4.246E-01	Pulse	0.20	3
Mn	55	45	2	2147.913	ug/l	1.14	159,677.07	8.733E-01	Pulse	0.20	3
Fe	56	45	2	115554.741	ug/l	1.35	12,497,531.06	6.835E+01	Analog	0.20	3
Co	59	45	2	1196.096	ug/l	1.52	241,531.52	1.321E+00	Pulse	0.20	3
Ni	60	45	2	1236.623	ug/l	2.01	66,028.66	3.611E-01	Pulse	0.20	3
Cu	63	45	2	637.018	ug/l	1.84	88,964.28	4.866E-01	Pulse	0.20	3
Cu	65	45	2	640.367	ug/l	1.52	44,316.67	2.424E-01	Pulse	0.20	3
Zn	66	45	2	1415.642	ug/l	2.41	33,113.77	1.811E-01	Pulse	0.20	3
As	75	45	2	4996.333	ug/l	1.20	76,231.30	4.169E-01	Pulse	0.50	3
Se	78	45	2	5123.427	ug/l	2.20	7,041.54	3.851E-02	Pulse	1.00	3
Se	78	45	3	4903.141	ug/l	0.20	19,158.59	6.435E-02	Pulse	1.00	3
Sr	88	45	1	88.072	ug/l	0.91	90,561.71	2.824E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.450	ug/l	104.13	220.01	5.397E-05	Pulse	0.10	3
Ag	107	115	1	129.678	ug/l	1.57	53,541.34	1.226E-02	Pulse	0.10	3
Cd	111	115	1	127.832	ug/l	1.50	11,321.50	2.593E-03	Pulse	0.25	3
Cd	111	115	2	126.227	ug/l	1.34	5,131.58	4.199E-03	Pulse	0.25	3
Sn	117	115	1	30.496	ug/l	6.81	2,713.67	6.212E-04	Pulse	0.10	3
Sn	118	115	1	30.840	ug/l	2.13	8,736.03	2.001E-03	Pulse	0.10	3
Sn	118	115	2	27.411	ug/l	12.08	2,710.35	2.218E-03	Pulse	0.10	3
Sn	119	115	1	31.890	ug/l	4.23	3,513.87	8.049E-04	Pulse	0.10	3
Sb	121	159	1	1070.419	ug/l	0.89	318,654.96	4.863E-02	Pulse	0.10	3
Ba	137	159	1	5238.912	ug/l	0.82	781,321.73	1.192E-01	Pulse	0.10	3
Tl	205	209	1	4490.676	ug/l	1.11	3,360,798.39	9.173E-01	Analog	0.10	3
Pb	208	209	1	1282.163	ug/l	0.49	1,310,846.78	3.578E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,713,100.42	0.65	97.0	Analog	0.10	3
1	Sc	45	3,206,306.20	0.39	94.1	Analog	0.10	3
2	Sc	45	182,842.97	0.48	94.8	Pulse	0.10	3
3	Sc	45	297,706.35	1.19	99.2	Pulse	0.10	3
1	Ge	72	648,461.59	0.52	96.2	Pulse	0.10	3
2	Ge	72	110,997.45	0.64	96.0	Pulse	0.10	3
3	Ge	72	145,049.39	0.77	98.1	Pulse	0.10	3
1	Rh	103	4,078,356.81	0.64	99.4	Analog	0.10	3
2	Rh	103	2,535,716.00	0.33	98.7	Analog	0.10	3
1	In	115	4,366,795.75	1.16	103.5	Analog	0.10	3
2	In	115	1,222,210.92	0.51	100.5	Pulse	0.10	3
1	Tb	159	6,552,519.69	0.50	109.2	Analog	0.10	3
2	Tb	159	4,164,791.81	0.63	105.0	Analog	0.10	3
1	Ho	165	6,178,149.07	0.91	110.1	Analog	0.10	3
2	Ho	165	4,029,678.27	0.57	105.7	Analog	0.10	3
1	Bi	209	3,663,763.59	0.65	111.8	Analog	0.10	3
2	Bi	209	2,698,781.31	0.23	105.8	Analog	0.10	3

Quantitation Report

File Name	075SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 20:50
Sample Name	mp68812-s2
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	118.391	ug/l	3.83	13,444.11	7.748E-03	Pulse	0.25	3
B	11	6	1	44.573	ug/l	10.94	7,081.71	4.081E-03	Pulse	0.15	3
Na	23	45	1	13818.804	ug/l	1.35	6,649,837.82	2.046E+00	Analog	0.10	3
Na	23	45	2	13842.788	ug/l	3.51	251,933.20	1.357E+00	Pulse	0.20	3
Mg	24	45	1	22779.213	ug/l	1.46	7,223,063.64	2.223E+00	Analog	0.10	3
Mg	24	45	2	22517.852	ug/l	3.10	206,194.14	1.110E+00	Pulse	0.20	3
Al	27	45	1	106049.044	ug/l	1.07	45,486,465.99	1.400E+01	Analog	0.10	3
Al	27	45	2	106181.194	ug/l	1.92	380,956.26	2.051E+00	Pulse	0.20	3
K	39	45	1	23602.891	ug/l	1.00	15,344,010.60	4.722E+00	Analog	0.10	3
K	39	45	2	23682.507	ug/l	3.10	244,659.35	1.317E+00	Pulse	0.20	3
Ca	43	45	1	20199.432	ug/l	0.88	24,467.77	7.529E-03	Pulse	1.50	3
Ca	43	45	2	19665.145	ug/l	9.47	618.90	3.336E-03	Pulse	1.50	3
Ca	44	45	1	21120.300	ug/l	0.46	402,093.64	1.237E-01	Pulse	0.10	3
Ca	44	45	2	20167.060	ug/l	4.97	11,050.55	5.953E-02	Pulse	0.20	3
Ti	47	45	1	1056.628	ug/l	0.01	57,393.21	1.766E-02	Pulse	0.10	3
Ti	47	45	2	1062.438	ug/l	3.55	3,993.90	2.149E-02	Pulse	0.20	3
V	51	45	2	1196.461	ug/l	3.39	131,734.16	7.095E-01	Pulse	0.20	3
Cr	52	45	2	519.228	ug/l	3.21	73,917.54	3.981E-01	Pulse	0.20	3
Mn	55	45	2	2682.655	ug/l	2.29	202,569.08	1.091E+00	Pulse	0.20	3
Fe	56	45	2	110959.791	ug/l	2.51	12,189,339.82	6.564E+01	Analog	0.20	3
Co	59	45	2	1142.073	ug/l	2.60	234,250.32	1.261E+00	Pulse	0.20	3
Ni	60	45	2	1145.496	ug/l	1.61	62,150.26	3.346E-01	Pulse	0.20	3
Cu	63	45	2	592.651	ug/l	2.94	84,072.10	4.527E-01	Pulse	0.20	3
Cu	65	45	2	596.618	ug/l	3.63	41,935.50	2.258E-01	Pulse	0.20	3
Zn	66	45	2	1276.715	ug/l	2.39	30,345.06	1.634E-01	Pulse	0.20	3
As	75	45	2	4672.517	ug/l	2.26	72,412.65	3.899E-01	Pulse	0.50	3
Se	78	45	2	4718.760	ug/l	1.93	6,590.02	3.548E-02	Pulse	1.00	3
Se	78	45	3	4768.509	ug/l	0.40	18,657.01	6.259E-02	Pulse	1.00	3
Sr	88	45	1	64.183	ug/l	1.57	67,010.28	2.062E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.773	ug/l	56.04	280.01	6.875E-05	Pulse	0.10	3
Ag	107	115	1	119.804	ug/l	1.40	49,464.76	1.133E-02	Pulse	0.10	3
Cd	111	115	1	119.529	ug/l	1.62	10,586.31	2.425E-03	Pulse	0.25	3
Cd	111	115	2	117.322	ug/l	1.96	4,799.47	3.903E-03	Pulse	0.25	3
Sn	117	115	1	30.090	ug/l	7.79	2,677.01	6.132E-04	Pulse	0.10	3
Sn	118	115	1	29.292	ug/l	5.19	8,312.49	1.904E-03	Pulse	0.10	3
Sn	118	115	2	30.035	ug/l	3.34	2,980.42	2.424E-03	Pulse	0.10	3
Sn	119	115	1	28.376	ug/l	3.84	3,167.12	7.253E-04	Pulse	0.10	3
Sb	121	159	1	985.754	ug/l	0.41	290,425.00	4.479E-02	Pulse	0.10	3
Ba	137	159	1	4885.577	ug/l	0.71	721,109.15	1.112E-01	Pulse	0.10	3
Tl	205	209	1	4108.388	ug/l	1.74	3,053,268.60	8.392E-01	Analog	0.10	3
Pb	208	209	1	1223.603	ug/l	0.91	1,242,246.96	3.415E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,735,497.54	0.86	98.3	Analog	0.10	3
1	Sc	45	3,249,569.95	0.33	95.4	Analog	0.10	3
2	Sc	45	185,790.51	2.60	96.3	Pulse	0.10	3
3	Sc	45	298,098.16	0.33	99.4	Pulse	0.10	3
1	Ge	72	655,029.81	0.32	97.2	Pulse	0.10	3
2	Ge	72	111,177.29	1.15	96.2	Pulse	0.10	3
3	Ge	72	145,863.98	0.48	98.6	Pulse	0.10	3
1	Rh	103	4,075,036.71	0.52	99.3	Analog	0.10	3
2	Rh	103	2,545,421.37	0.21	99.1	Analog	0.10	3
1	In	115	4,366,149.39	0.60	103.5	Analog	0.10	3
2	In	115	1,229,700.70	0.57	101.1	Pulse	0.10	3
1	Tb	159	6,484,326.99	0.71	108.1	Analog	0.10	3
2	Tb	159	4,147,734.63	0.43	104.5	Analog	0.10	3
1	Ho	165	6,124,617.20	0.51	109.2	Analog	0.10	3
2	Ho	165	3,997,784.84	0.59	104.9	Analog	0.10	3
1	Bi	209	3,638,096.72	0.81	111.0	Analog	0.10	3
2	Bi	209	2,689,874.75	0.37	105.5	Analog	0.10	3

Quantitation Report

File Name	076SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 20:55
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.005	ug/l	263.47	105.33	6.367E-05	Pulse	0.25	3
B	11	6	1	1.352	ug/l	9.23	5,850.03	3.530E-03	Pulse	0.15	3
Na	23	45	1	1.655	ug/l	150.52	232,571.34	7.537E-02	Pulse	0.10	3
Na	23	45	2	2.174	ug/l	14.19	8,857.49	5.007E-02	Pulse	0.20	3
Mg	24	45	1	5.927	ug/l	50.11	46,768.12	1.519E-02	Pulse	0.10	3
Mg	24	45	2	2.694	ug/l	3.58	650.03	3.674E-03	Pulse	0.20	3
Al	27	45	1	25.944	ug/l	48.83	267,459.81	8.686E-02	Pulse	0.10	3
Al	27	45	2	12.588	ug/l	16.15	1,118.40	6.329E-03	Pulse	0.20	3
K	39	45	1	5.153	ug/l	56.70	1,096,013.73	3.550E-01	Pulse	0.10	3
K	39	45	2	3.950	ug/l	51.02	8,990.93	5.082E-02	Pulse	0.20	3
Ca	43	45	1	7.409	ug/l	52.00	307.11	9.967E-05	Pulse	1.50	3
Ca	43	45	2	9.275	ug/l	38.15	7.78	4.392E-05	Pulse	1.50	3
Ca	44	45	1	8.387	ug/l	58.82	5,921.54	1.922E-03	Pulse	0.10	3
Ca	44	45	2	5.020	ug/l	37.95	91.67	5.173E-04	Pulse	0.20	3
Ti	47	45	1	0.265	ug/l	59.37	393.36	1.278E-04	Pulse	0.10	3
Ti	47	45	2	0.149	ug/l	44.38	13.33	7.558E-05	Pulse	0.20	3
V	51	45	2	0.122	ug/l	45.63	608.35	3.443E-03	Pulse	0.20	3
Cr	52	45	2	0.090	ug/l	73.62	2,956.99	1.672E-02	Pulse	0.20	3
Mn	55	45	2	0.295	ug/l	6.78	541.69	3.062E-03	Pulse	0.20	3
Fe	56	45	2	14.934	ug/l	5.73	41,320.83	2.337E-01	Pulse	0.20	3
Co	59	45	2	0.133	ug/l	6.67	718.37	4.062E-03	Pulse	0.20	3
Ni	60	45	2	0.131	ug/l	13.31	333.34	1.884E-03	Pulse	0.20	3
Cu	63	45	2	0.081	ug/l	48.70	345.01	1.954E-03	Pulse	0.20	3
Cu	65	45	2	0.066	ug/l	46.60	165.01	9.341E-04	Pulse	0.20	3
Zn	66	45	2	0.183	ug/l	32.65	200.01	1.130E-03	Pulse	0.20	3
As	75	45	2	0.553	ug/l	3.25	216.67	1.225E-03	Pulse	0.50	3
Se	78	45	2	0.501	ug/l	4.74	39.00	2.204E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.453	ug/l	24.06	45.00	1.543E-04	Pulse	1.00	3
Sr	88	45	1	0.023	ug/l	35.71	996.75	3.232E-04	Pulse	0.10	3
Mo	95	103	1	-0.005	ug/l	-242.78	113.34	2.776E-05	Pulse	0.10	3
Ag	107	115	1	0.040	ug/l	26.47	530.03	1.222E-04	Pulse	0.10	3
Cd	111	115	1	0.028	ug/l	56.17	77.33	1.786E-05	Pulse	0.25	3
Cd	111	115	2	0.025	ug/l	41.67	28.00	2.317E-05	Pulse	0.25	3
Sn	117	115	1	0.035	ug/l	35.88	170.01	3.913E-05	Pulse	0.10	3
Sn	118	115	1	0.037	ug/l	77.90	533.36	1.231E-04	Pulse	0.10	3
Sn	118	115	2	0.066	ug/l	14.83	243.34	2.014E-04	Pulse	0.10	3
Sn	119	115	1	-0.026	ug/l	-45.90	293.35	6.750E-05	Pulse	0.10	3
Sb	121	159	1	0.456	ug/l	26.91	3,720.66	5.696E-04	Pulse	0.10	3
Ba	137	159	1	1.046	ug/l	44.76	4,754.51	7.280E-04	Pulse	0.10	3
Tl	205	209	1	1.410	ug/l	36.51	26,951.69	7.328E-03	Pulse	0.10	3
Pb	208	209	1	0.262	ug/l	58.39	7,748.22	2.106E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,656,950.51	0.94	93.8	Analog	0.10	3
1	Sc	45	3,087,685.68	0.85	90.6	Analog	0.10	3
2	Sc	45	176,904.00	1.00	91.7	Pulse	0.10	3
3	Sc	45	291,582.13	0.33	97.2	Pulse	0.10	3
1	Ge	72	634,450.73	0.88	94.2	Pulse	0.10	3
2	Ge	72	108,821.66	0.18	94.1	Pulse	0.10	3
3	Ge	72	145,718.08	1.42	98.5	Pulse	0.10	3
1	Rh	103	4,079,731.71	0.79	99.4	Analog	0.10	3
2	Rh	103	2,516,091.32	0.40	98.0	Analog	0.10	3
1	In	115	4,344,490.70	1.35	103.0	Analog	0.10	3
2	In	115	1,208,308.03	0.11	99.4	Pulse	0.10	3
1	Tb	159	6,534,699.49	0.79	108.9	Analog	0.10	3
2	Tb	159	4,114,824.31	0.74	103.7	Analog	0.10	3
1	Ho	165	6,122,811.57	1.00	109.1	Analog	0.10	3
2	Ho	165	4,004,167.23	0.35	105.0	Analog	0.10	3
1	Bi	209	3,678,671.72	1.19	112.2	Analog	0.10	3
2	Bi	209	2,686,545.80	0.28	105.4	Analog	0.10	3

Quantitation Report

File Name	077SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 21:00
Sample Name	f99982-8
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	3.910	ug/l	5.40	2,161.50	1.326E-03	Pulse	0.25	3
B	11	6	1	10.084	ug/l	0.82	7,137.26	4.380E-03	Pulse	0.15	3
Na	23	45	1	381.784	ug/l	0.12	1,070,961.86	3.425E-01	Pulse	0.10	3
Na	23	45	2	389.770	ug/l	1.97	41,581.83	2.296E-01	Pulse	0.20	3
Mg	24	45	1	6513.549	ug/l	0.47	9,934,690.48	3.178E+00	Analog	0.10	3
Mg	24	45	2	6564.784	ug/l	0.88	293,094.47	1.618E+00	Pulse	0.20	3
Al	27	45	1	30329.473	ug/l	0.53	62,579,559.07	2.002E+01	Analog	0.10	3
Al	27	45	2	30459.436	ug/l	0.35	532,759.29	2.942E+00	Pulse	0.20	3
K	39	45	1	5577.204	ug/l	0.48	17,254,041.41	5.519E+00	Analog	0.10	3
K	39	45	2	5606.338	ug/l	0.58	280,890.64	1.551E+00	Pulse	0.20	3
Ca	43	45	1	7028.396	ug/l	0.80	40,883.95	1.308E-02	Pulse	1.50	3
Ca	43	45	2	7090.060	ug/l	2.81	1,088.48	6.010E-03	Pulse	1.50	3
Ca	44	45	1	7311.984	ug/l	0.92	668,088.90	2.137E-01	Pulse	0.10	3
Ca	44	45	2	7072.329	ug/l	2.00	18,882.62	1.043E-01	Pulse	0.20	3
Ti	47	45	1	854.684	ug/l	0.84	223,169.82	7.138E-02	Pulse	0.10	3
Ti	47	45	2	853.610	ug/l	0.75	15,632.57	8.632E-02	Pulse	0.20	3
V	51	45	2	67.681	ug/l	1.70	36,552.30	2.018E-01	Pulse	0.20	3
Cr	52	45	2	56.955	ug/l	1.56	40,770.39	2.251E-01	Pulse	0.20	3
Mn	55	45	2	778.662	ug/l	0.66	286,662.86	1.583E+00	Pulse	0.20	3
Fe	56	45	2	47753.230	ug/l	0.22	25,574,762.95	1.412E+02	Analog	0.20	3
Co	59	45	2	21.983	ug/l	1.73	22,050.01	1.218E-01	Pulse	0.20	3
Ni	60	45	2	46.267	ug/l	2.38	12,371.54	6.831E-02	Pulse	0.20	3
Cu	63	45	2	33.034	ug/l	0.59	22,902.92	1.265E-01	Pulse	0.20	3
Cu	65	45	2	32.535	ug/l	3.29	11,192.33	6.180E-02	Pulse	0.20	3
Zn	66	45	2	84.782	ug/l	5.36	9,889.82	5.461E-02	Pulse	0.20	3
As	75	45	2	8.326	ug/l	8.10	642.02	3.545E-03	Pulse	0.50	3
Se	78	45	2	3.742	ug/l	14.64	48.33	2.669E-04	Pulse	1.00	3
Se	78	45	3	1.798	ug/l	37.57	36.67	1.236E-04	Pulse	1.00	3
Sr	88	45	1	58.876	ug/l	0.33	294,150.84	9.408E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.088	ug/l	0.20	1,136.76	2.829E-04	Pulse	0.10	3
Ag	107	115	1	0.125	ug/l	26.26	373.35	8.566E-05	Pulse	0.10	3
Cd	111	115	1	0.140	ug/l	40.72	77.33	1.770E-05	Pulse	0.25	3
Cd	111	115	2	0.141	ug/l	29.62	30.67	2.561E-05	Pulse	0.25	3
Sn	117	115	1	32.369	ug/l	0.75	13,963.36	3.202E-03	Pulse	0.10	3
Sn	118	115	1	32.395	ug/l	1.08	44,624.47	1.023E-02	Pulse	0.10	3
Sn	118	115	2	31.978	ug/l	2.80	15,084.51	1.260E-02	Pulse	0.10	3
Sn	119	115	1	32.146	ug/l	0.30	16,245.55	3.725E-03	Pulse	0.10	3
Sb	121	159	1	0.979	ug/l	11.52	1,793.51	2.744E-04	Pulse	0.10	3
Ba	137	159	1	290.319	ug/l	2.10	216,632.56	3.314E-02	Pulse	0.10	3
Tl	205	209	1	2.081	ug/l	2.05	8,189.26	2.255E-03	Pulse	0.10	3
Pb	208	209	1	31.816	ug/l	0.78	162,131.29	4.464E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,629,679.29	0.24	92.3	Analog	0.10	3
1	Sc	45	3,126,540.79	0.01	91.8	Analog	0.10	3
2	Sc	45	181,094.68	0.17	93.9	Pulse	0.10	3
3	Sc	45	296,675.22	0.24	98.9	Pulse	0.10	3
1	Ge	72	639,664.95	0.48	94.9	Pulse	0.10	3
2	Ge	72	109,446.65	1.03	94.7	Pulse	0.10	3
3	Ge	72	144,425.09	0.80	97.7	Pulse	0.10	3
1	Rh	103	4,018,840.98	0.84	97.9	Analog	0.10	3
2	Rh	103	2,500,564.55	0.54	97.4	Analog	0.10	3
1	In	115	4,361,292.90	1.11	103.4	Analog	0.10	3
2	In	115	1,197,493.35	0.63	98.5	Pulse	0.10	3
1	Tb	159	6,537,887.40	0.70	109.0	Analog	0.10	3
2	Tb	159	4,155,768.48	0.64	104.7	Analog	0.10	3
1	Ho	165	6,167,189.91	0.59	109.9	Analog	0.10	3
2	Ho	165	4,022,748.27	0.61	105.5	Analog	0.10	3
1	Bi	209	3,632,126.19	0.58	110.8	Analog	0.10	3
2	Bi	209	2,696,835.79	0.24	105.8	Analog	0.10	3

Quantitation Report

File Name	078SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 21:05
Sample Name	mp68812-sd1
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	3.509	ug/l	7.15	509.35	2.841E-04	Pulse	0.25	3
B	11	6	1	19.884	ug/l	12.01	5,052.00	2.818E-03	Pulse	0.15	3
Na	23	45	1	706.532	ug/l	6.39	564,357.22	1.705E-01	Pulse	0.10	3
Na	23	45	2	805.984	ug/l	1.66	23,419.92	1.213E-01	Pulse	0.20	3
Mg	24	45	1	6890.818	ug/l	2.17	2,226,866.94	6.729E-01	Analog	0.10	3
Mg	24	45	2	6654.574	ug/l	2.32	63,396.64	3.284E-01	Pulse	0.20	3
Al	27	45	1	32023.444	ug/l	1.86	13,990,796.88	4.228E+00	Analog	0.10	3
Al	27	45	2	31692.211	ug/l	0.83	118,233.20	6.124E-01	Pulse	0.20	3
K	39	45	1	5765.940	ug/l	1.17	4,645,263.99	1.404E+00	Analog	0.10	3
K	39	45	2	5846.158	ug/l	1.76	69,408.53	3.595E-01	Pulse	0.20	3
Ca	43	45	1	7422.899	ug/l	1.13	9,221.43	2.786E-03	Pulse	1.50	3
Ca	43	45	2	7491.783	ug/l	7.90	245.78	1.274E-03	Pulse	1.50	3
Ca	44	45	1	7727.614	ug/l	2.28	151,296.26	4.572E-02	Pulse	0.10	3
Ca	44	45	2	7433.606	ug/l	3.52	4,255.62	2.204E-02	Pulse	0.20	3
Ti	47	45	1	865.588	ug/l	1.63	47,890.26	1.447E-02	Pulse	0.10	3
Ti	47	45	2	933.086	ug/l	1.14	3,643.81	1.887E-02	Pulse	0.20	3
V	51	45	2	64.249	ug/l	3.46	7,655.27	3.965E-02	Pulse	0.20	3
Cr	52	45	2	64.949	ug/l	4.12	12,159.69	6.298E-02	Pulse	0.20	3
Mn	55	45	2	795.709	ug/l	2.35	62,462.48	3.236E-01	Pulse	0.20	3
Fe	56	45	2	47950.039	ug/l	1.50	5,477,343.46	2.837E+01	Analog	0.20	3
Co	59	45	2	23.442	ug/l	2.73	5,074.21	2.628E-02	Pulse	0.20	3
Ni	60	45	2	47.419	ug/l	4.68	2,846.97	1.474E-02	Pulse	0.20	3
Cu	63	45	2	41.371	ug/l	3.71	6,174.60	3.199E-02	Pulse	0.20	3
Cu	65	45	2	40.628	ug/l	1.46	3,025.34	1.567E-02	Pulse	0.20	3
Zn	66	45	2	98.733	ug/l	1.33	2,536.92	1.314E-02	Pulse	0.20	3
As	75	45	2	9.538	ug/l	16.69	167.33	8.679E-04	Pulse	0.50	3
Se	78	45	2	5.430	ug/l	47.99	32.33	1.674E-04	Pulse	1.00	3
Se	78	45	3	4.190	ug/l	14.91	18.33	6.055E-05	Pulse	1.00	3
Sr	88	45	1	59.678	ug/l	1.27	63,485.99	1.918E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	5.003	ug/l	7.82	1,103.41	2.628E-04	Pulse	0.10	3
Ag	107	115	1	0.091	ug/l	107.58	156.67	3.529E-05	Pulse	0.10	3
Cd	111	115	1	0.154	ug/l	59.61	29.33	6.599E-06	Pulse	0.25	3
Cd	111	115	2	0.218	ug/l	114.38	12.00	9.443E-06	Pulse	0.25	3
Sn	117	115	1	26.032	ug/l	2.78	2,370.28	5.335E-04	Pulse	0.10	3
Sn	118	115	1	27.710	ug/l	3.02	8,015.69	1.804E-03	Pulse	0.10	3
Sn	118	115	2	25.484	ug/l	4.24	2,620.32	2.067E-03	Pulse	0.10	3
Sn	119	115	1	25.111	ug/l	5.56	2,893.71	6.513E-04	Pulse	0.10	3
Sb	121	159	1	1.781	ug/l	16.96	870.06	1.330E-04	Pulse	0.10	3
Ba	137	159	1	301.205	ug/l	1.66	45,681.57	6.981E-03	Pulse	0.10	3
Tl	205	209	1	4.922	ug/l	0.83	4,164.09	1.135E-03	Pulse	0.10	3
Pb	208	209	1	33.061	ug/l	1.36	34,854.14	9.499E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,793,160.08	0.75	101.5	Analog	0.10	3
1	Sc	45	3,309,327.14	0.25	97.1	Analog	0.10	3
2	Sc	45	193,085.09	1.45	100.1	Pulse	0.10	3
3	Sc	45	302,822.25	2.09	100.9	Pulse	0.10	3
1	Ge	72	671,240.02	0.43	99.6	Pulse	0.10	3
2	Ge	72	114,644.93	1.47	99.2	Pulse	0.10	3
3	Ge	72	149,746.23	0.82	101.2	Pulse	0.10	3
1	Rh	103	4,198,178.79	0.76	102.3	Analog	0.10	3
2	Rh	103	2,599,099.28	0.37	101.2	Analog	0.10	3
1	In	115	4,442,761.26	0.49	105.3	Analog	0.10	3
2	In	115	1,267,320.98	0.47	104.2	Pulse	0.10	3
1	Tb	159	6,543,298.86	0.34	109.1	Analog	0.10	3
2	Tb	159	4,193,465.04	0.17	105.7	Analog	0.10	3
1	Ho	165	6,143,673.03	0.67	109.5	Analog	0.10	3
2	Ho	165	4,044,984.63	0.35	106.1	Analog	0.10	3
1	Bi	209	3,669,145.57	0.75	111.9	Analog	0.10	3
2	Bi	209	2,724,156.31	0.74	106.8	Analog	0.10	3

Quantitation Report

File Name	079SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 21:10
Sample Name	f99982-2
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	2.271	ug/l	10.69	1,326.74	7.938E-04	Pulse	0.25	3
B	11	6	1	9.584	ug/l	7.99	7,106.32	4.252E-03	Pulse	0.15	3
Na	23	45	1	254.231	ug/l	1.06	804,902.59	2.513E-01	Pulse	0.10	3
Na	23	45	2	256.474	ug/l	4.01	31,018.93	1.664E-01	Pulse	0.20	3
Mg	24	45	1	5953.272	ug/l	1.29	9,302,410.90	2.904E+00	Analog	0.10	3
Mg	24	45	2	5933.168	ug/l	2.47	272,618.60	1.463E+00	Pulse	0.20	3
Al	27	45	1	26052.725	ug/l	0.54	55,069,859.18	1.719E+01	Analog	0.10	3
Al	27	45	2	26008.048	ug/l	1.29	468,196.89	2.512E+00	Pulse	0.20	3
K	39	45	1	4808.977	ug/l	0.37	15,387,126.44	4.804E+00	Analog	0.10	3
K	39	45	2	4815.099	ug/l	0.94	249,501.45	1.339E+00	Pulse	0.20	3
Ca	43	45	1	4788.338	ug/l	0.75	28,566.46	8.919E-03	Pulse	1.50	3
Ca	43	45	2	4866.002	ug/l	4.47	768.91	4.127E-03	Pulse	1.50	3
Ca	44	45	1	4956.076	ug/l	1.04	464,614.75	1.451E-01	Pulse	0.10	3
Ca	44	45	2	4861.812	ug/l	2.19	13,367.27	7.172E-02	Pulse	0.20	3
Ti	47	45	1	1143.320	ug/l	0.10	305,812.90	9.548E-02	Pulse	0.10	3
Ti	47	45	2	1189.795	ug/l	4.26	22,420.48	1.203E-01	Pulse	0.20	3
V	51	45	2	70.375	ug/l	0.89	39,108.05	2.098E-01	Pulse	0.20	3
Cr	52	45	2	68.888	ug/l	2.77	50,157.65	2.691E-01	Pulse	0.20	3
Mn	55	45	2	684.800	ug/l	1.21	259,478.41	1.392E+00	Pulse	0.20	3
Fe	56	45	2	48352.993	ug/l	1.10	26,652,977.10	1.430E+02	Analog	0.20	3
Co	59	45	2	24.106	ug/l	2.30	24,877.38	1.335E-01	Pulse	0.20	3
Ni	60	45	2	42.490	ug/l	2.59	11,711.07	6.281E-02	Pulse	0.20	3
Cu	63	45	2	42.852	ug/l	1.71	30,558.74	1.639E-01	Pulse	0.20	3
Cu	65	45	2	43.167	ug/l	1.72	15,265.70	8.190E-02	Pulse	0.20	3
Zn	66	45	2	191.218	ug/l	1.71	22,829.54	1.225E-01	Pulse	0.20	3
As	75	45	2	8.801	ug/l	7.78	697.35	3.744E-03	Pulse	0.50	3
Se	78	45	2	4.880	ug/l	46.22	57.67	3.095E-04	Pulse	1.00	3
Se	78	45	3	0.780	ug/l	16.98	17.00	5.677E-05	Pulse	1.00	3
Sr	88	45	1	42.084	ug/l	1.05	215,522.00	6.729E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.572	ug/l	9.29	1,610.14	3.938E-04	Pulse	0.10	3
Ag	107	115	1	0.041	ug/l	28.50	203.34	4.616E-05	Pulse	0.10	3
Cd	111	115	1	0.319	ug/l	21.33	157.33	3.574E-05	Pulse	0.25	3
Cd	111	115	2	0.224	ug/l	48.59	48.00	3.936E-05	Pulse	0.25	3
Sn	117	115	1	86.840	ug/l	1.79	37,662.67	8.552E-03	Pulse	0.10	3
Sn	118	115	1	86.959	ug/l	0.93	120,485.24	2.736E-02	Pulse	0.10	3
Sn	118	115	2	86.185	ug/l	1.99	41,165.01	3.383E-02	Pulse	0.10	3
Sn	119	115	1	87.941	ug/l	2.11	44,249.83	1.005E-02	Pulse	0.10	3
Sb	121	159	1	1.207	ug/l	8.18	2,130.24	3.261E-04	Pulse	0.10	3
Ba	137	159	1	242.687	ug/l	0.95	181,153.03	2.772E-02	Pulse	0.10	3
Tl	205	209	1	0.793	ug/l	8.49	3,423.86	9.392E-04	Pulse	0.10	3
Pb	208	209	1	131.369	ug/l	0.28	668,951.22	1.834E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,671,406.09	0.12	94.6	Analog	0.10	3
1	Sc	45	3,202,930.78	0.53	94.0	Analog	0.10	3
2	Sc	45	186,406.54	1.32	96.7	Pulse	0.10	3
3	Sc	45	299,355.30	0.49	99.8	Pulse	0.10	3
1	Ge	72	650,095.06	0.85	96.5	Pulse	0.10	3
2	Ge	72	111,228.64	1.18	96.2	Pulse	0.10	3
3	Ge	72	144,071.99	0.80	97.4	Pulse	0.10	3
1	Rh	103	4,089,031.60	0.67	99.6	Analog	0.10	3
2	Rh	103	2,541,289.39	1.24	98.9	Analog	0.10	3
1	In	115	4,403,693.14	0.70	104.4	Analog	0.10	3
2	In	115	1,216,845.65	0.68	100.1	Pulse	0.10	3
1	Tb	159	6,535,066.99	0.90	108.9	Analog	0.10	3
2	Tb	159	4,164,443.58	0.64	105.0	Analog	0.10	3
1	Ho	165	6,191,848.24	0.85	110.4	Analog	0.10	3
2	Ho	165	4,032,843.38	0.22	105.8	Analog	0.10	3
1	Bi	209	3,646,808.59	0.75	111.2	Analog	0.10	3
2	Bi	209	2,703,392.46	0.40	106.0	Analog	0.10	3

Quantitation Report

File Name	080SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 21:15
Sample Name	f99982-4
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.995	ug/l	9.38	1,202.73	7.041E-04	Pulse	0.25	3
B	11	6	1	7.695	ug/l	5.31	6,436.93	3.769E-03	Pulse	0.15	3
Na	23	45	1	515.886	ug/l	1.23	1,438,387.48	4.385E-01	Analog	0.10	3
Na	23	45	2	527.930	ug/l	1.15	56,942.96	2.951E-01	Pulse	0.20	3
Mg	24	45	1	5949.368	ug/l	0.66	9,521,509.44	2.902E+00	Analog	0.10	3
Mg	24	45	2	5945.844	ug/l	0.46	282,882.33	1.466E+00	Pulse	0.20	3
Al	27	45	1	22720.770	ug/l	1.03	49,191,677.60	1.499E+01	Analog	0.10	3
Al	27	45	2	22623.852	ug/l	0.36	421,678.59	2.185E+00	Pulse	0.20	3
K	39	45	1	3277.873	ug/l	0.77	11,088,125.67	3.380E+00	Analog	0.10	3
K	39	45	2	3257.765	ug/l	1.01	177,605.30	9.204E-01	Pulse	0.20	3
Ca	43	45	1	6222.198	ug/l	1.26	37,989.00	1.158E-02	Pulse	1.50	3
Ca	43	45	2	6358.150	ug/l	5.57	1,040.26	5.391E-03	Pulse	1.50	3
Ca	44	45	1	6506.341	ug/l	1.04	624,023.47	1.902E-01	Pulse	0.10	3
Ca	44	45	2	6319.292	ug/l	3.55	17,981.57	9.318E-02	Pulse	0.20	3
Ti	47	45	1	1053.686	ug/l	1.10	288,681.78	8.799E-02	Pulse	0.10	3
Ti	47	45	2	1038.383	ug/l	4.57	20,264.31	1.050E-01	Pulse	0.20	3
V	51	45	2	57.460	ug/l	2.18	33,116.69	1.716E-01	Pulse	0.20	3
Cr	52	45	2	41.530	ug/l	1.59	32,465.41	1.682E-01	Pulse	0.20	3
Mn	55	45	2	615.969	ug/l	0.13	241,647.40	1.252E+00	Pulse	0.20	3
Fe	56	45	2	67145.717	ug/l	0.60	38,318,389.43	1.986E+02	Analog	0.20	3
Co	59	45	2	16.964	ug/l	0.89	18,150.20	9.405E-02	Pulse	0.20	3
Ni	60	45	2	31.239	ug/l	2.59	8,959.26	4.643E-02	Pulse	0.20	3
Cu	63	45	2	34.044	ug/l	1.11	25,149.52	1.303E-01	Pulse	0.20	3
Cu	65	45	2	33.824	ug/l	2.78	12,396.58	6.424E-02	Pulse	0.20	3
Zn	66	45	2	165.691	ug/l	2.52	20,496.45	1.062E-01	Pulse	0.20	3
As	75	45	2	8.423	ug/l	1.43	692.02	3.586E-03	Pulse	0.50	3
Se	78	45	2	3.904	ug/l	5.80	52.67	2.729E-04	Pulse	1.00	3
Se	78	45	3	1.236	ug/l	16.25	26.67	8.664E-05	Pulse	1.00	3
Sr	88	45	1	47.474	ug/l	0.68	248,952.01	7.589E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.999	ug/l	7.35	1,090.08	2.623E-04	Pulse	0.10	3
Ag	107	115	1	0.047	ug/l	44.65	216.68	4.883E-05	Pulse	0.10	3
Cd	111	115	1	0.123	ug/l	32.04	70.67	1.592E-05	Pulse	0.25	3
Cd	111	115	2	0.279	ug/l	39.39	60.00	4.858E-05	Pulse	0.25	3
Sn	117	115	1	33.577	ug/l	2.58	14,710.79	3.320E-03	Pulse	0.10	3
Sn	118	115	1	33.142	ug/l	2.58	46,376.06	1.047E-02	Pulse	0.10	3
Sn	118	115	2	33.733	ug/l	0.74	16,432.49	1.328E-02	Pulse	0.10	3
Sn	119	115	1	33.663	ug/l	3.03	17,266.72	3.897E-03	Pulse	0.10	3
Sb	121	159	1	0.418	ug/l	6.21	970.08	1.470E-04	Pulse	0.10	3
Ba	137	159	1	223.370	ug/l	0.97	168,443.77	2.553E-02	Pulse	0.10	3
Tl	205	209	1	0.519	ug/l	4.86	2,416.96	6.593E-04	Pulse	0.10	3
Pb	208	209	1	37.914	ug/l	0.87	194,799.99	5.314E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,707,845.88	0.67	96.7	Analog	0.10	3
1	Sc	45	3,280,526.20	0.59	96.3	Analog	0.10	3
2	Sc	45	192,974.31	0.21	100.1	Pulse	0.10	3
3	Sc	45	307,658.41	0.53	102.5	Pulse	0.10	3
1	Ge	72	663,472.67	0.36	98.5	Pulse	0.10	3
2	Ge	72	114,369.98	0.93	98.9	Pulse	0.10	3
3	Ge	72	149,571.67	0.98	101.1	Pulse	0.10	3
1	Rh	103	4,154,602.44	1.00	101.2	Analog	0.10	3
2	Rh	103	2,581,756.89	0.13	100.5	Analog	0.10	3
1	In	115	4,431,126.71	1.01	105.1	Analog	0.10	3
2	In	115	1,237,131.07	0.76	101.7	Pulse	0.10	3
1	Tb	159	6,598,822.82	0.50	110.0	Analog	0.10	3
2	Tb	159	4,193,572.64	0.64	105.7	Analog	0.10	3
1	Ho	165	6,201,271.36	0.75	110.5	Analog	0.10	3
2	Ho	165	4,079,203.58	0.33	107.0	Analog	0.10	3
1	Bi	209	3,665,774.01	0.53	111.8	Analog	0.10	3
2	Bi	209	2,717,485.38	0.53	106.6	Analog	0.10	3

Quantitation Report

File Name	081SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 21:21
Sample Name	f99982-6
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.624	ug/l	6.48	981.38	5.837E-04	Pulse	0.25	3
B	11	6	1	8.368	ug/l	26.63	6,627.02	3.941E-03	Pulse	0.15	3
Na	23	45	1	244.420	ug/l	4.17	781,571.39	2.443E-01	Pulse	0.10	3
Na	23	45	2	247.701	ug/l	1.09	29,671.44	1.623E-01	Pulse	0.20	3
Mg	24	45	1	4805.104	ug/l	1.08	7,501,226.35	2.344E+00	Analog	0.10	3
Mg	24	45	2	4818.934	ug/l	0.48	217,229.66	1.188E+00	Pulse	0.20	3
Al	27	45	1	21615.383	ug/l	1.22	45,645,484.32	1.427E+01	Analog	0.10	3
Al	27	45	2	21645.374	ug/l	1.45	382,200.24	2.091E+00	Pulse	0.20	3
K	39	45	1	4184.739	ug/l	1.66	13,513,646.88	4.223E+00	Analog	0.10	3
K	39	45	2	4175.268	ug/l	1.51	213,308.07	1.167E+00	Pulse	0.20	3
Ca	43	45	1	5105.229	ug/l	1.13	30,419.66	9.507E-03	Pulse	1.50	3
Ca	43	45	2	5195.874	ug/l	0.35	805.58	4.406E-03	Pulse	1.50	3
Ca	44	45	1	5286.045	ug/l	0.66	494,940.20	1.547E-01	Pulse	0.10	3
Ca	44	45	2	5265.371	ug/l	1.93	14,199.64	7.767E-02	Pulse	0.20	3
Ti	47	45	1	806.016	ug/l	1.93	215,388.40	6.732E-02	Pulse	0.10	3
Ti	47	45	2	810.723	ug/l	2.43	14,988.68	8.199E-02	Pulse	0.20	3
V	51	45	2	47.593	ug/l	3.27	26,032.40	1.424E-01	Pulse	0.20	3
Cr	52	45	2	43.223	ug/l	3.34	31,896.03	1.745E-01	Pulse	0.20	3
Mn	55	45	2	352.417	ug/l	1.55	130,980.04	7.165E-01	Pulse	0.20	3
Fe	56	45	2	25445.410	ug/l	1.02	13,758,496.05	7.526E+01	Analog	0.20	3
Co	59	45	2	12.260	ug/l	1.27	12,448.27	6.809E-02	Pulse	0.20	3
Ni	60	45	2	29.926	ug/l	5.74	8,142.18	4.451E-02	Pulse	0.20	3
Cu	63	45	2	17.759	ug/l	1.36	12,464.92	6.818E-02	Pulse	0.20	3
Cu	65	45	2	18.132	ug/l	5.64	6,319.68	3.458E-02	Pulse	0.20	3
Zn	66	45	2	64.358	ug/l	3.83	7,601.92	4.159E-02	Pulse	0.20	3
As	75	45	2	3.224	ug/l	15.24	259.34	1.417E-03	Pulse	0.50	3
Se	78	45	2	2.310	ug/l	66.29	39.00	2.132E-04	Pulse	1.00	3
Se	78	45	3	0.944	ug/l	30.88	20.00	6.750E-05	Pulse	1.00	3
Sr	88	45	1	42.625	ug/l	1.59	218,070.69	6.815E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.195	ug/l	9.31	1,246.77	3.074E-04	Pulse	0.10	3
Ag	107	115	1	0.055	ug/l	31.15	230.01	5.285E-05	Pulse	0.10	3
Cd	111	115	1	0.108	ug/l	12.86	62.67	1.440E-05	Pulse	0.25	3
Cd	111	115	2	0.121	ug/l	9.53	26.67	2.229E-05	Pulse	0.25	3
Sn	117	115	1	38.910	ug/l	4.39	16,722.73	3.844E-03	Pulse	0.10	3
Sn	118	115	1	38.134	ug/l	0.80	52,358.22	1.203E-02	Pulse	0.10	3
Sn	118	115	2	38.501	ug/l	0.99	18,124.35	1.515E-02	Pulse	0.10	3
Sn	119	115	1	39.585	ug/l	1.56	19,873.26	4.568E-03	Pulse	0.10	3
Sb	121	159	1	0.501	ug/l	26.51	1,066.75	1.657E-04	Pulse	0.10	3
Ba	137	159	1	174.762	ug/l	0.97	128,714.11	2.000E-02	Pulse	0.10	3
Tl	205	209	1	0.553	ug/l	18.25	2,483.64	6.943E-04	Pulse	0.10	3
Pb	208	209	1	24.164	ug/l	2.62	121,547.61	3.397E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,681,611.88	0.62	95.2	Analog	0.10	3
1	Sc	45	3,199,990.58	0.90	93.9	Analog	0.10	3
2	Sc	45	182,834.99	1.23	94.8	Pulse	0.10	3
3	Sc	45	296,643.51	0.65	98.9	Pulse	0.10	3
1	Ge	72	651,757.45	0.53	96.7	Pulse	0.10	3
2	Ge	72	110,902.75	1.58	95.9	Pulse	0.10	3
3	Ge	72	143,020.49	1.28	96.7	Pulse	0.10	3
1	Rh	103	4,055,210.25	0.73	98.8	Analog	0.10	3
2	Rh	103	2,507,608.45	0.39	97.6	Analog	0.10	3
1	In	115	4,350,919.32	0.48	103.2	Analog	0.10	3
2	In	115	1,196,225.41	0.80	98.4	Pulse	0.10	3
1	Tb	159	6,435,787.19	0.48	107.3	Analog	0.10	3
2	Tb	159	4,090,727.34	0.68	103.1	Analog	0.10	3
1	Ho	165	6,044,632.20	0.69	107.7	Analog	0.10	3
2	Ho	165	3,951,538.49	0.59	103.7	Analog	0.10	3
1	Bi	209	3,578,283.18	0.40	109.2	Analog	0.10	3
2	Bi	209	2,653,035.17	0.88	104.0	Analog	0.10	3

Quantitation Report

File Name	082SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 21:26
Sample Name	f99982-10
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.905	ug/l	3.58	1,156.05	6.748E-04	Pulse	0.25	3
B	11	6	1	6.413	ug/l	5.64	5,894.52	3.441E-03	Pulse	0.15	3
Na	23	45	1	278.020	ug/l	1.07	879,378.92	2.683E-01	Pulse	0.10	3
Na	23	45	2	320.426	ug/l	1.86	37,107.91	1.968E-01	Pulse	0.20	3
Mg	24	45	1	4903.073	ug/l	0.51	7,839,943.01	2.392E+00	Analog	0.10	3
Mg	24	45	2	4925.890	ug/l	1.92	229,053.26	1.215E+00	Pulse	0.20	3
Al	27	45	1	21837.884	ug/l	0.05	47,236,242.63	1.441E+01	Analog	0.10	3
Al	27	45	2	21756.521	ug/l	1.58	396,334.08	2.101E+00	Pulse	0.20	3
K	39	45	1	4240.163	ug/l	0.48	14,011,058.54	4.275E+00	Analog	0.10	3
K	39	45	2	4267.663	ug/l	1.43	224,737.89	1.192E+00	Pulse	0.20	3
Ca	43	45	1	5824.162	ug/l	0.89	35,530.54	1.084E-02	Pulse	1.50	3
Ca	43	45	2	6126.201	ug/l	2.12	979.59	5.194E-03	Pulse	1.50	3
Ca	44	45	1	6075.833	ug/l	0.76	582,359.73	1.777E-01	Pulse	0.10	3
Ca	44	45	2	5935.919	ug/l	2.82	16,511.81	8.754E-02	Pulse	0.20	3
Ti	47	45	1	855.450	ug/l	0.46	234,166.06	7.144E-02	Pulse	0.10	3
Ti	47	45	2	847.528	ug/l	1.28	16,166.45	8.571E-02	Pulse	0.20	3
V	51	45	2	54.930	ug/l	1.13	30,955.73	1.641E-01	Pulse	0.20	3
Cr	52	45	2	39.832	ug/l	0.70	30,553.45	1.620E-01	Pulse	0.20	3
Mn	55	45	2	356.280	ug/l	0.99	136,613.99	7.243E-01	Pulse	0.20	3
Fe	56	45	2	25681.623	ug/l	0.94	14,326,590.20	7.596E+01	Analog	0.20	3
Co	59	45	2	12.201	ug/l	2.83	12,780.18	6.776E-02	Pulse	0.20	3
Ni	60	45	2	24.105	ug/l	4.39	6,798.20	3.604E-02	Pulse	0.20	3
Cu	63	45	2	18.751	ug/l	2.83	13,572.47	7.197E-02	Pulse	0.20	3
Cu	65	45	2	19.869	ug/l	4.80	7,143.38	3.786E-02	Pulse	0.20	3
Zn	66	45	2	75.153	ug/l	3.47	9,141.04	4.847E-02	Pulse	0.20	3
As	75	45	2	4.629	ug/l	6.60	378.01	2.003E-03	Pulse	0.50	3
Se	78	45	2	3.454	ug/l	23.18	48.33	2.561E-04	Pulse	1.00	3
Se	78	45	3	1.066	ug/l	36.41	23.00	7.550E-05	Pulse	1.00	3
Sr	88	45	1	46.900	ug/l	0.56	245,732.13	7.497E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.581	ug/l	15.28	693.37	1.664E-04	Pulse	0.10	3
Ag	107	115	1	0.072	ug/l	46.19	270.02	6.070E-05	Pulse	0.10	3
Cd	111	115	1	0.155	ug/l	32.58	85.33	1.919E-05	Pulse	0.25	3
Cd	111	115	2	0.203	ug/l	33.97	44.00	3.598E-05	Pulse	0.25	3
Sn	117	115	1	32.515	ug/l	1.88	14,303.69	3.216E-03	Pulse	0.10	3
Sn	118	115	1	32.277	ug/l	3.28	45,349.53	1.020E-02	Pulse	0.10	3
Sn	118	115	2	31.448	ug/l	3.95	15,164.56	1.239E-02	Pulse	0.10	3
Sn	119	115	1	31.448	ug/l	1.93	16,215.55	3.646E-03	Pulse	0.10	3
Sb	121	159	1	0.355	ug/l	12.45	866.73	1.326E-04	Pulse	0.10	3
Ba	137	159	1	181.933	ug/l	1.33	136,022.28	2.082E-02	Pulse	0.10	3
Tl	205	209	1	1.071	ug/l	11.53	4,504.20	1.223E-03	Pulse	0.10	3
Pb	208	209	1	21.895	ug/l	0.88	113,432.47	3.081E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,712,999.06	0.44	97.0	Analog	0.10	3
1	Sc	45	3,277,571.51	1.11	96.2	Analog	0.10	3
2	Sc	45	188,623.21	1.11	97.8	Pulse	0.10	3
3	Sc	45	304,486.48	0.55	101.5	Pulse	0.10	3
1	Ge	72	658,589.01	0.55	97.7	Pulse	0.10	3
2	Ge	72	110,900.47	0.60	95.9	Pulse	0.10	3
3	Ge	72	148,659.19	1.06	100.5	Pulse	0.10	3
1	Rh	103	4,165,710.98	0.38	101.5	Analog	0.10	3
2	Rh	103	2,562,695.33	0.58	99.8	Analog	0.10	3
1	In	115	4,447,811.60	0.12	105.5	Analog	0.10	3
2	In	115	1,224,365.15	0.76	100.7	Pulse	0.10	3
1	Tb	159	6,534,870.94	0.32	108.9	Analog	0.10	3
2	Tb	159	4,161,327.65	0.44	104.9	Analog	0.10	3
1	Ho	165	6,160,954.70	0.18	109.8	Analog	0.10	3
2	Ho	165	4,029,605.25	0.33	105.7	Analog	0.10	3
1	Bi	209	3,682,205.78	0.03	112.3	Analog	0.10	3
2	Bi	209	2,698,327.56	0.05	105.8	Analog	0.10	3

Quantitation Report

File Name	083SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 21:31
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	52.672	ug/l	0.59	144,975.04	8.560E-02	Pulse	0.25	3
B	11	6	1	53.576	ug/l	1.06	119,065.95	7.030E-02	Pulse	0.15	3
Na	23	45	1	5061.786	ug/l	1.82	58,484,969.13	1.817E+01	Analog	0.10	3
Na	23	45	2	5181.013	ug/l	0.72	2,260,542.10	1.232E+01	Analog	0.20	3
Mg	24	45	1	5007.982	ug/l	1.82	39,306,236.08	1.221E+01	Analog	0.10	3
Mg	24	45	2	5082.123	ug/l	0.46	1,149,327.43	6.264E+00	Pulse	0.20	3
Al	27	45	1	4927.815	ug/l	1.52	52,332,250.89	1.626E+01	Analog	0.10	3
Al	27	45	2	4978.402	ug/l	0.62	441,145.96	2.404E+00	Pulse	0.20	3
K	39	45	1	4952.040	ug/l	1.29	75,185,893.88	2.336E+01	Analog	0.10	3
K	39	45	2	5006.325	ug/l	1.05	1,241,724.93	6.768E+00	Mix	0.20	3
Ca	43	45	1	5012.127	ug/l	1.11	149,805.47	4.655E-02	Pulse	1.50	3
Ca	43	45	2	5350.931	ug/l	1.54	4,158.97	2.267E-02	Pulse	1.50	3
Ca	44	45	1	5043.237	ug/l	1.83	2,366,122.05	7.352E-01	Analog	0.10	3
Ca	44	45	2	5210.942	ug/l	0.28	70,410.26	3.837E-01	Pulse	0.20	3
Ti	47	45	1	52.055	ug/l	0.67	69,998.15	2.175E-02	Pulse	0.10	3
Ti	47	45	2	53.907	ug/l	1.87	5,000.87	2.726E-02	Pulse	0.20	3
V	51	45	2	52.516	ug/l	0.91	142,812.88	7.783E-01	Pulse	0.20	3
Cr	52	45	2	52.661	ug/l	1.30	180,940.02	9.862E-01	Pulse	0.20	3
Mn	55	45	2	53.388	ug/l	0.77	99,579.49	5.427E-01	Pulse	0.20	3
Fe	56	45	2	5116.678	ug/l	0.51	13,883,489.79	7.567E+01	Analog	0.20	3
Co	59	45	2	51.709	ug/l	0.77	261,964.03	1.428E+00	Pulse	0.20	3
Ni	60	45	2	51.136	ug/l	1.27	68,497.13	3.733E-01	Pulse	0.20	3
Cu	63	45	2	51.725	ug/l	0.30	181,162.07	9.873E-01	Pulse	0.20	3
Cu	65	45	2	51.531	ug/l	2.13	89,400.25	4.873E-01	Pulse	0.20	3
Zn	66	45	2	52.376	ug/l	1.38	30,742.37	1.676E-01	Pulse	0.20	3
As	75	45	2	52.663	ug/l	2.09	20,165.84	1.099E-01	Pulse	0.50	3
Se	78	45	2	50.854	ug/l	3.34	1,770.77	9.652E-03	Pulse	1.00	3
Se	78	45	3	52.147	ug/l	2.86	5,054.13	1.711E-02	Pulse	1.00	3
Sr	88	45	1	54.767	ug/l	1.66	1,406,661.12	4.371E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	53.099	ug/l	0.54	245,682.25	6.091E-02	Pulse	0.10	3
Ag	107	115	1	49.953	ug/l	0.38	513,333.69	1.178E-01	Pulse	0.10	3
Cd	111	115	1	52.436	ug/l	0.48	115,692.55	2.656E-02	Pulse	0.25	3
Cd	111	115	2	53.234	ug/l	1.26	52,504.09	4.425E-02	Pulse	0.25	3
Sn	117	115	1	53.416	ug/l	1.28	114,380.03	2.626E-02	Pulse	0.10	3
Sn	118	115	1	52.633	ug/l	0.74	360,120.52	8.267E-02	Pulse	0.10	3
Sn	118	115	2	53.395	ug/l	1.32	124,139.88	1.046E-01	Pulse	0.10	3
Sn	119	115	1	52.495	ug/l	2.59	129,932.88	2.983E-02	Pulse	0.10	3
Sb	121	159	1	57.807	ug/l	0.75	427,361.58	6.564E-02	Pulse	0.10	3
Ba	137	159	1	50.868	ug/l	1.41	189,104.99	2.905E-02	Pulse	0.10	3
Tl	205	209	1	48.610	ug/l	2.67	878,828.16	2.483E-01	Pulse	0.10	3
Pb	208	209	1	52.810	ug/l	0.61	1,303,764.09	3.684E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,693,525.98	1.01	95.9	Analog	0.10	3
1	Sc	45	3,218,510.37	0.70	94.5	Analog	0.10	3
2	Sc	45	183,490.97	0.98	95.1	Pulse	0.10	3
3	Sc	45	295,353.99	0.92	98.4	Pulse	0.10	3
1	Ge	72	645,476.44	0.61	95.8	Pulse	0.10	3
2	Ge	72	108,087.71	0.78	93.5	Pulse	0.10	3
3	Ge	72	145,073.83	1.07	98.1	Pulse	0.10	3
1	Rh	103	4,033,459.84	0.31	98.3	Analog	0.10	3
2	Rh	103	2,489,905.54	0.21	96.9	Analog	0.10	3
1	In	115	4,356,338.98	0.34	103.3	Analog	0.10	3
2	In	115	1,186,504.29	1.00	97.6	Pulse	0.10	3
1	Tb	159	6,510,583.03	0.47	108.5	Analog	0.10	3
2	Tb	159	4,145,605.88	0.98	104.5	Analog	0.10	3
1	Ho	165	6,118,850.53	0.16	109.1	Analog	0.10	3
2	Ho	165	4,009,121.61	0.51	105.2	Analog	0.10	3
1	Bi	209	3,538,820.15	0.36	107.9	Analog	0.10	3
2	Bi	209	2,623,546.05	1.07	102.9	Analog	0.10	3

Quantitation Report

File Name	084SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 21:36
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.119	ug/l	8.18	422.68	2.495E-04	Pulse	0.25	3
B	11	6	1	1.528	ug/l	4.69	6,361.38	3.755E-03	Pulse	0.15	3
Na	23	45	1	10.747	ug/l	9.66	348,581.27	1.079E-01	Pulse	0.10	3
Na	23	45	2	6.872	ug/l	14.37	11,424.08	6.120E-02	Pulse	0.20	3
Mg	24	45	1	16.277	ug/l	4.80	130,615.70	4.043E-02	Pulse	0.10	3
Mg	24	45	2	10.542	ug/l	17.69	2,490.24	1.335E-02	Pulse	0.20	3
Al	27	45	1	20.019	ug/l	7.40	217,489.85	6.731E-02	Pulse	0.10	3
Al	27	45	2	13.310	ug/l	6.48	1,246.74	6.678E-03	Pulse	0.20	3
K	39	45	1	13.601	ug/l	7.52	1,273,714.69	3.943E-01	Mix	0.10	3
K	39	45	2	9.971	ug/l	18.43	10,995.47	5.890E-02	Pulse	0.20	3
Ca	43	45	1	16.142	ug/l	5.19	583.79	1.807E-04	Pulse	1.50	3
Ca	43	45	2	9.024	ug/l	24.90	8.00	4.285E-05	Pulse	1.50	3
Ca	44	45	1	16.230	ug/l	12.61	9,903.34	3.064E-03	Pulse	0.10	3
Ca	44	45	2	10.957	ug/l	20.33	178.34	9.543E-04	Pulse	0.20	3
Ti	47	45	1	0.355	ug/l	11.19	533.37	1.652E-04	Pulse	0.10	3
Ti	47	45	2	0.301	ug/l	37.61	28.33	1.521E-04	Pulse	0.20	3
V	51	45	2	0.101	ug/l	1.88	586.69	3.142E-03	Pulse	0.20	3
Cr	52	45	2	0.067	ug/l	101.40	3,043.68	1.630E-02	Pulse	0.20	3
Mn	55	45	2	0.172	ug/l	16.32	336.68	1.805E-03	Pulse	0.20	3
Fe	56	45	2	16.657	ug/l	6.39	48,366.74	2.591E-01	Pulse	0.20	3
Co	59	45	2	0.089	ug/l	22.58	531.69	2.846E-03	Pulse	0.20	3
Ni	60	45	2	0.061	ug/l	7.26	256.68	1.375E-03	Pulse	0.20	3
Cu	63	45	2	0.109	ug/l	7.13	466.68	2.500E-03	Pulse	0.20	3
Cu	65	45	2	0.121	ug/l	12.39	271.68	1.454E-03	Pulse	0.20	3
Zn	66	45	2	0.161	ug/l	19.46	198.34	1.063E-03	Pulse	0.20	3
As	75	45	2	0.121	ug/l	15.46	60.67	3.251E-04	Pulse	0.50	3
Se	78	45	2	-0.047	ug/l	-288.87	22.00	1.179E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.128	ug/l	27.77	14.33	4.756E-05	Pulse	1.00	3
Sr	88	45	1	0.169	ug/l	4.54	4,797.61	1.485E-03	Pulse	0.10	3
Mo	95	103	1	0.233	ug/l	21.81	1,250.10	3.003E-04	Pulse	0.10	3
Ag	107	115	1	0.139	ug/l	8.88	1,580.15	3.540E-04	Pulse	0.10	3
Cd	111	115	1	0.145	ug/l	12.04	342.68	7.676E-05	Pulse	0.25	3
Cd	111	115	2	0.100	ug/l	25.30	105.33	8.562E-05	Pulse	0.25	3
Sn	117	115	1	0.223	ug/l	11.74	586.71	1.315E-04	Pulse	0.10	3
Sn	118	115	1	0.248	ug/l	11.32	2,023.55	4.533E-04	Pulse	0.10	3
Sn	118	115	2	0.231	ug/l	17.54	643.38	5.233E-04	Pulse	0.10	3
Sn	119	115	1	0.149	ug/l	14.20	743.38	1.666E-04	Pulse	0.10	3
Sb	121	159	1	0.215	ug/l	6.60	1,936.87	2.958E-04	Pulse	0.10	3
Ba	137	159	1	0.156	ug/l	50.90	1,453.46	2.219E-04	Pulse	0.10	3
Tl	205	209	1	0.485	ug/l	5.32	9,526.70	2.606E-03	Pulse	0.10	3
Pb	208	209	1	0.143	ug/l	14.94	4,673.81	1.278E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,694,079.65	0.13	95.9	Analog	0.10	3
1	Sc	45	3,230,252.03	1.02	94.8	Analog	0.10	3
2	Sc	45	186,710.83	0.93	96.8	Pulse	0.10	3
3	Sc	45	301,346.45	0.99	100.4	Pulse	0.10	3
1	Ge	72	656,091.57	0.28	97.4	Pulse	0.10	3
2	Ge	72	111,473.24	0.78	96.4	Pulse	0.10	3
3	Ge	72	146,994.31	0.31	99.4	Pulse	0.10	3
1	Rh	103	4,162,862.44	0.25	101.4	Analog	0.10	3
2	Rh	103	2,576,071.73	0.42	100.3	Analog	0.10	3
1	In	115	4,463,331.50	0.44	105.8	Analog	0.10	3
2	In	115	1,229,922.12	0.94	101.1	Pulse	0.10	3
1	Tb	159	6,548,203.65	0.41	109.2	Analog	0.10	3
2	Tb	159	4,169,603.27	0.40	105.1	Analog	0.10	3
1	Ho	165	6,181,344.49	0.57	110.2	Analog	0.10	3
2	Ho	165	4,018,369.00	0.60	105.4	Analog	0.10	3
1	Bi	209	3,656,793.39	0.77	111.5	Analog	0.10	3
2	Bi	209	2,705,997.46	0.49	106.1	Analog	0.10	3

Quantitation Report

File Name	085SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 21:41
Sample Name	mp68805-mb1 2
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.014	ug/l	-140.81	69.33	4.488E-05	Pulse	0.25	3
B	11	6	1	2.948	ug/l	7.46	5,694.43	3.685E-03	Pulse	0.15	3
Na	23	45	1	-6.075	ug/l	-14.13	169,885.70	5.859E-02	Pulse	0.10	3
Na	23	45	2	-3.710	ug/l	-29.13	6,696.47	4.052E-02	Pulse	0.20	3
Mg	24	45	1	5.688	ug/l	11.40	22,232.35	7.668E-03	Pulse	0.10	3
Mg	24	45	2	4.017	ug/l	31.62	466.68	2.829E-03	Pulse	0.20	3
Al	27	45	1	11.360	ug/l	6.92	57,971.81	1.999E-02	Pulse	0.10	3
Al	27	45	2	7.951	ug/l	24.12	358.35	2.170E-03	Pulse	0.20	3
K	39	45	1	9.603	ug/l	21.04	1,024,681.16	3.534E-01	Pulse	0.10	3
K	39	45	2	5.585	ug/l	32.80	8,140.46	4.927E-02	Pulse	0.20	3
Ca	43	45	1	12.482	ug/l	6.60	257.56	8.883E-05	Pulse	1.50	3
Ca	43	45	2	10.531	ug/l	42.44	4.44	2.694E-05	Pulse	1.50	3
Ca	44	45	1	12.551	ug/l	7.68	4,680.85	1.614E-03	Pulse	0.10	3
Ca	44	45	2	6.665	ug/l	20.32	65.00	3.931E-04	Pulse	0.20	3
Ti	47	45	1	0.623	ug/l	10.21	426.69	1.472E-04	Pulse	0.10	3
Ti	47	45	2	0.639	ug/l	22.33	26.67	1.616E-04	Pulse	0.20	3
V	51	45	2	0.415	ug/l	18.62	778.37	4.711E-03	Pulse	0.20	3
Cr	52	45	2	5.299	ug/l	1.68	10,565.20	6.393E-02	Pulse	0.20	3
Mn	55	45	2	0.230	ug/l	11.17	203.34	1.230E-03	Pulse	0.20	3
Fe	56	45	2	11.392	ug/l	7.21	16,036.42	9.707E-02	Pulse	0.20	3
Co	59	45	2	0.009	ug/l	143.01	86.67	5.255E-04	Pulse	0.20	3
Ni	60	45	2	0.131	ug/l	110.95	231.67	1.404E-03	Pulse	0.20	3
Cu	63	45	2	2.238	ug/l	2.58	3,597.13	2.177E-02	Pulse	0.20	3
Cu	65	45	2	2.327	ug/l	5.15	1,868.48	1.131E-02	Pulse	0.20	3
Zn	66	45	2	2.111	ug/l	3.60	646.69	3.914E-03	Pulse	0.20	3
As	75	45	2	0.461	ug/l	24.15	91.33	5.531E-04	Pulse	0.50	3
Se	78	45	2	0.156	ug/l	94.36	23.33	1.413E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.262	ug/l	48.60	13.67	4.860E-05	Pulse	1.00	3
Sr	88	45	1	0.069	ug/l	14.05	1,206.76	4.161E-04	Pulse	0.10	3
Mo	95	103	1	0.327	ug/l	22.66	863.39	2.211E-04	Pulse	0.10	3
Ag	107	115	1	0.053	ug/l	38.54	380.02	8.958E-05	Pulse	0.10	3
Cd	111	115	1	0.047	ug/l	32.07	65.33	1.540E-05	Pulse	0.25	3
Cd	111	115	2	0.023	ug/l	42.21	13.33	1.175E-05	Pulse	0.25	3
Sn	117	115	1	1.079	ug/l	4.20	1,216.77	2.871E-04	Pulse	0.10	3
Sn	118	115	1	1.217	ug/l	2.54	4,320.76	1.020E-03	Pulse	0.10	3
Sn	118	115	2	1.285	ug/l	1.39	1,506.81	1.329E-03	Pulse	0.10	3
Sn	119	115	1	0.907	ug/l	9.70	1,436.78	3.391E-04	Pulse	0.10	3
Sb	121	159	1	0.307	ug/l	11.30	1,443.46	2.264E-04	Pulse	0.10	3
Ba	137	159	1	0.053	ug/l	148.23	946.74	1.485E-04	Pulse	0.10	3
Tl	205	209	1	0.249	ug/l	7.40	2,737.02	7.640E-04	Pulse	0.10	3
Pb	208	209	1	0.070	ug/l	19.00	1,883.46	5.255E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,545,078.27	0.32	87.5	Analog	0.10	3
1	Sc	45	2,899,496.73	0.26	85.1	Analog	0.10	3
2	Sc	45	165,252.86	0.88	85.7	Pulse	0.10	3
3	Sc	45	281,447.87	0.48	93.8	Pulse	0.10	3
1	Ge	72	626,353.31	0.40	93.0	Pulse	0.10	3
2	Ge	72	104,986.96	0.83	90.8	Pulse	0.10	3
3	Ge	72	143,702.97	0.50	97.2	Pulse	0.10	3
1	Rh	103	3,900,574.11	1.35	95.0	Analog	0.10	3
2	Rh	103	2,395,658.25	0.77	93.3	Analog	0.10	3
1	In	115	4,237,101.95	0.68	100.5	Analog	0.10	3
2	In	115	1,133,387.43	0.45	93.2	Pulse	0.10	3
1	Tb	159	6,376,198.03	0.10	106.3	Analog	0.10	3
2	Tb	159	3,953,890.15	0.91	99.7	Analog	0.10	3
1	Ho	165	6,015,159.70	0.38	107.2	Analog	0.10	3
2	Ho	165	3,809,948.49	1.00	99.9	Analog	0.10	3
1	Bi	209	3,583,029.11	0.88	109.3	Analog	0.10	3
2	Bi	209	2,578,282.36	0.60	101.1	Analog	0.10	3

Quantitation Report

File Name	086SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 21:46
Sample Name	mp68805-lc1
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	545.455	ug/l	2.52	660,288.04	4.430E-01	Pulse	0.25	3
B	11	6	1	8.979	ug/l	3.51	11,239.51	7.541E-03	Pulse	0.15	3
Na	23	45	1	9923.280	ug/l	3.14	50,440,360.92	1.781E+01	Analog	0.10	3
Na	23	45	2	10635.113	ug/l	0.59	1,983,408.82	1.264E+01	Analog	0.20	3
Mg	24	45	1	5505.182	ug/l	2.47	19,009,267.63	6.713E+00	Analog	0.10	3
Mg	24	45	2	5735.337	ug/l	1.72	554,454.88	3.535E+00	Pulse	0.20	3
Al	27	45	1	4906.765	ug/l	3.40	22,922,906.32	8.096E+00	Analog	0.10	3
Al	27	45	2	4953.419	ug/l	1.30	187,645.21	1.196E+00	Pulse	0.20	3
K	39	45	1	9808.248	ug/l	2.99	65,515,569.02	2.314E+01	Analog	0.10	3
K	39	45	2	10012.201	ug/l	1.23	1,061,580.48	6.767E+00	Pulse	0.20	3
Ca	43	45	1	5544.129	ug/l	2.14	72,937.15	2.576E-02	Pulse	1.50	3
Ca	43	45	2	5434.866	ug/l	3.46	1,806.10	1.151E-02	Pulse	1.50	3
Ca	44	45	1	5726.893	ug/l	3.31	1,182,775.24	4.177E-01	Pulse	0.10	3
Ca	44	45	2	5597.470	ug/l	2.24	32,340.03	2.062E-01	Pulse	0.20	3
Ti	47	45	1	492.296	ug/l	2.89	291,024.68	1.028E-01	Pulse	0.10	3
Ti	47	45	2	516.347	ug/l	1.22	20,477.89	1.305E-01	Pulse	0.20	3
V	51	45	2	569.076	ug/l	1.63	660,396.04	4.210E+00	Pulse	0.20	3
Cr	52	45	2	583.752	ug/l	1.29	846,687.44	5.397E+00	Pulse	0.20	3
Mn	55	45	2	573.430	ug/l	1.23	457,163.31	2.914E+00	Pulse	0.20	3
Fe	56	45	2	5922.074	ug/l	0.89	6,869,838.85	4.379E+01	Analog	0.20	3
Co	59	45	2	563.789	ug/l	1.02	1,220,687.95	7.782E+00	Pulse	0.20	3
Ni	60	45	2	561.981	ug/l	1.16	321,139.57	2.047E+00	Pulse	0.20	3
Cu	63	45	2	568.727	ug/l	1.47	851,181.29	5.426E+00	Pulse	0.20	3
Cu	65	45	2	572.668	ug/l	1.86	424,510.33	2.706E+00	Pulse	0.20	3
Zn	66	45	2	525.286	ug/l	0.52	131,458.44	8.380E-01	Pulse	0.20	3
As	75	45	2	534.617	ug/l	1.49	87,473.05	5.576E-01	Pulse	0.50	3
Se	78	45	2	484.208	ug/l	2.24	7,133.58	4.548E-02	Pulse	1.00	3
Se	78	45	3	490.694	ug/l	1.53	21,752.14	8.050E-02	Pulse	1.00	3
Sr	88	45	1	0.175	ug/l	12.46	2,370.27	8.361E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	505.244	ug/l	2.60	1,090,754.31	2.897E-01	Pulse	0.10	3
Ag	107	115	1	213.215	ug/l	1.82	1,051,314.15	2.515E-01	Pulse	0.10	3
Cd	111	115	1	535.320	ug/l	1.79	566,730.83	1.355E-01	Pulse	0.25	3
Cd	111	115	2	554.383	ug/l	0.32	245,119.24	2.304E-01	Pulse	0.25	3
Sn	117	115	1	0.345	ug/l	5.75	446.69	1.068E-04	Pulse	0.10	3
Sn	118	115	1	0.370	ug/l	12.71	1,483.45	3.550E-04	Pulse	0.10	3
Sn	118	115	2	0.413	ug/l	12.25	506.69	4.761E-04	Pulse	0.10	3
Sn	119	115	1	0.155	ug/l	42.00	526.70	1.260E-04	Pulse	0.10	3
Sb	121	159	1	574.834	ug/l	2.63	2,070,701.84	3.262E-01	Analog	0.10	3
Ba	137	159	1	517.514	ug/l	3.08	934,569.91	1.472E-01	Pulse	0.10	3
Tl	205	209	1	503.594	ug/l	3.23	4,519,795.35	1.286E+00	Analog	0.10	3
Pb	208	209	1	534.702	ug/l	2.15	6,552,712.09	1.864E+00	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,490,870.93	1.57	84.4	Analog	0.10	3
1	Sc	45	2,832,357.66	1.60	83.1	Analog	0.10	3
2	Sc	45	156,873.77	0.37	81.3	Pulse	0.10	3
3	Sc	45	270,205.04	0.03	90.1	Pulse	0.10	3
1	Ge	72	617,748.48	0.67	91.7	Pulse	0.10	3
2	Ge	72	101,264.26	0.24	87.6	Pulse	0.10	3
3	Ge	72	141,993.70	0.79	96.0	Pulse	0.10	3
1	Rh	103	3,766,363.18	1.25	91.8	Analog	0.10	3
2	Rh	103	2,270,550.17	1.01	88.4	Analog	0.10	3
1	In	115	4,181,425.73	0.93	99.1	Analog	0.10	3
2	In	115	1,063,955.73	0.97	87.5	Pulse	0.10	3
1	Tb	159	6,350,206.99	1.29	105.9	Analog	0.10	3
2	Tb	159	3,872,808.59	0.46	97.6	Analog	0.10	3
1	Ho	165	6,043,189.91	1.10	107.7	Analog	0.10	3
2	Ho	165	3,762,549.01	0.37	98.7	Analog	0.10	3
1	Bi	209	3,515,931.62	0.85	107.2	Analog	0.10	3
2	Bi	209	2,498,887.05	0.19	98.0	Analog	0.10	3

Quantitation Report

File Name	087SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 21:51
Sample Name	mp68805-s1
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	141.383	ug/l	3.06	35,229.70	2.302E-02	Pulse	0.25	3
B	11	6	1	2118.720	ug/l	1.83	417,380.70	2.727E-01	Pulse	0.15	3
Na	23	45	1	477801.937	ug/l	0.78	565,945,298.23	1.710E+02	Analog	0.10	3
Na	23	45	2	485457.405	ug/l	0.93	21,404,388.01	1.151E+02	Analog	0.20	3
Mg	24	45	1	249688.080	ug/l	0.50	201,574,043.66	6.089E+01	Analog	0.10	3
Mg	24	45	2	250984.751	ug/l	0.89	5,754,286.99	3.093E+01	Analog	0.20	3
Al	27	45	1	622188.705	ug/l	0.29	679,599,803.21	2.053E+02	Analog	0.10	3
Al	27	45	2	619675.281	ug/l	0.78	5,566,485.75	2.992E+01	Analog	0.20	3
K	39	45	1	34001.856	ug/l	0.13	53,445,252.54	1.614E+01	Analog	0.10	3
K	39	45	2	33397.588	ug/l	0.69	842,708.97	4.530E+00	Pulse	0.20	3
Ca	43	45	1	252973.621	ug/l	0.23	777,307.03	2.348E-01	Pulse	1.50	3
Ca	43	45	2	255276.410	ug/l	0.57	20,115.81	1.081E-01	Pulse	1.50	3
Ca	44	45	1	255314.957	ug/l	0.19	12,311,836.07	3.719E+00	Analog	0.10	3
Ca	44	45	2	252078.697	ug/l	0.81	345,211.39	1.856E+00	Pulse	0.20	3
Ti	47	45	1	30.489	ug/l	1.57	4,270.72	1.290E-03	Pulse	0.10	3
Ti	47	45	2	24.768	ug/l	23.67	233.34	1.252E-03	Pulse	0.20	3
V	51	45	2	918.620	ug/l	0.19	253,059.23	1.360E+00	Pulse	0.20	3
Cr	52	45	2	439.659	ug/l	0.38	153,635.50	8.258E-01	Pulse	0.20	3
Mn	55	45	2	20566.187	ug/l	1.14	3,888,659.11	2.090E+01	Analog	0.20	3
Fe	56	45	2	322698.372	ug/l	1.31	88,760,498.68	4.771E+02	Analog	0.20	3
Co	59	45	2	1274.883	ug/l	0.77	654,733.45	3.519E+00	Pulse	0.20	3
Ni	60	45	2	1480.477	ug/l	0.83	200,750.85	1.079E+00	Pulse	0.20	3
Cu	63	45	2	299.403	ug/l	1.70	106,341.15	5.717E-01	Pulse	0.20	3
Cu	65	45	2	303.305	ug/l	1.80	53,386.89	2.869E-01	Pulse	0.20	3
Zn	66	45	2	2983.198	ug/l	0.73	177,060.17	9.518E-01	Pulse	0.20	3
As	75	45	2	2454.714	ug/l	0.44	95,261.28	5.121E-01	Pulse	0.50	3
Se	78	45	2	2323.887	ug/l	0.44	8,121.72	4.366E-02	Pulse	1.00	3
Se	78	45	3	2257.063	ug/l	0.05	22,386.99	7.406E-02	Pulse	1.00	3
Sr	88	45	1	1382.467	ug/l	0.38	3,651,695.68	1.103E+00	Analog	0.10	3
Mo	95	103	1	3.467	ug/l	7.87	1,680.16	4.308E-04	Pulse	0.10	3
Ag	107	115	1	63.788	ug/l	1.50	65,070.90	1.507E-02	Pulse	0.10	3
Cd	111	115	1	109.358	ug/l	1.81	23,927.60	5.541E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	109.371	ug/l	2.73	10,476.92	9.093E-03	Pulse	0.25	3
Sn	117	115	1	0.744	ug/l	8.75	253.34	5.866E-05	Pulse	0.10	3
Sn	118	115	1	0.691	ug/l	43.48	746.72	1.731E-04	Pulse	0.10	3
Sn	118	115	2	0.567	ug/l	21.64	210.01	1.824E-04	Pulse	0.10	3
Sn	119	115	1	0.348	ug/l	20.43	440.03	1.019E-04	Pulse	0.10	3
Sb	121	159	1	693.850	ug/l	0.85	531,411.00	7.878E-02	Pulse	0.10	3
Ba	137	159	1	2340.957	ug/l	1.03	898,552.87	1.332E-01	Pulse	0.10	3
Tl	205	209	1	2342.446	ug/l	2.46	4,193,021.60	1.196E+00	Analog	0.10	3
Pb	208	209	1	685.364	ug/l	0.29	1,675,591.30	4.780E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,530,493.56	0.70	86.6	Analog	0.10	3
1	Sc	45	3,310,487.55	1.37	97.2	Analog	0.10	3
2	Sc	45	186,036.50	1.00	96.5	Pulse	0.10	3
3	Sc	45	302,287.43	0.38	100.8	Pulse	0.10	3
1	Ge	72	639,624.67	0.26	94.9	Pulse	0.10	3
2	Ge	72	110,473.85	0.52	95.6	Pulse	0.10	3
3	Ge	72	143,012.96	1.18	96.7	Pulse	0.10	3
1	Rh	103	3,900,117.13	1.04	95.0	Analog	0.10	3
2	Rh	103	2,381,581.16	0.15	92.7	Analog	0.10	3
1	In	115	4,317,609.48	0.60	102.4	Analog	0.10	3
2	In	115	1,152,273.37	1.16	94.8	Pulse	0.10	3
1	Tb	159	6,745,970.52	1.06	112.5	Analog	0.10	3
2	Tb	159	4,170,227.75	0.75	105.1	Analog	0.10	3
1	Ho	165	6,397,307.40	0.41	114.0	Analog	0.10	3
2	Ho	165	4,070,816.81	0.65	106.8	Analog	0.10	3
1	Bi	209	3,505,095.05	0.67	106.9	Analog	0.10	3
2	Bi	209	2,547,701.11	0.51	99.9	Analog	0.10	3

Quantitation Report

File Name	088SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 21:57
Sample Name	mp68805-s2
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	138.201	ug/l	1.44	31,452.98	2.250E-02	Pulse	0.25	3
B	11	6	1	2121.423	ug/l	0.18	381,632.18	2.730E-01	Pulse	0.15	3
Na	23	45	1	430156.812	ug/l	0.20	508,350,245.76	1.539E+02	Analog	0.10	3
Na	23	45	2	456308.527	ug/l	1.10	20,221,031.37	1.082E+02	Analog	0.20	3
Mg	24	45	1	226521.144	ug/l	0.59	182,462,050.61	5.524E+01	Analog	0.10	3
Mg	24	45	2	234607.557	ug/l	0.51	5,405,893.46	2.891E+01	Analog	0.20	3
Al	27	45	1	567046.653	ug/l	0.52	617,988,217.46	1.871E+02	Analog	0.10	3
Al	27	45	2	571771.673	ug/l	0.65	5,162,012.63	2.761E+01	Analog	0.20	3
K	39	45	1	31550.903	ug/l	0.67	49,555,332.60	1.500E+01	Analog	0.10	3
K	39	45	2	31433.259	ug/l	0.75	797,608.55	4.266E+00	Pulse	0.20	3
Ca	43	45	1	234520.095	ug/l	0.26	718,970.44	2.177E-01	Pulse	1.50	3
Ca	43	45	2	238828.722	ug/l	1.66	18,912.86	1.012E-01	Pulse	1.50	3
Ca	44	45	1	236684.673	ug/l	0.68	11,388,181.91	3.448E+00	Analog	0.10	3
Ca	44	45	2	236115.220	ug/l	0.62	324,983.81	1.738E+00	Pulse	0.20	3
Ti	47	45	1	28.858	ug/l	6.05	4,034.03	1.222E-03	Pulse	0.10	3
Ti	47	45	2	26.628	ug/l	16.36	251.68	1.346E-03	Pulse	0.20	3
V	51	45	2	876.039	ug/l	0.79	242,544.89	1.297E+00	Pulse	0.20	3
Cr	52	45	2	416.516	ug/l	1.15	146,421.70	7.831E-01	Pulse	0.20	3
Mn	55	45	2	19216.717	ug/l	0.43	3,651,853.38	1.953E+01	Analog	0.20	3
Fe	56	45	2	303331.606	ug/l	0.98	83,853,023.75	4.485E+02	Analog	0.20	3
Co	59	45	2	1210.546	ug/l	1.43	624,798.45	3.342E+00	Pulse	0.20	3
Ni	60	45	2	1397.357	ug/l	1.70	190,422.59	1.019E+00	Pulse	0.20	3
Cu	63	45	2	280.714	ug/l	0.48	100,216.64	5.360E-01	Pulse	0.20	3
Cu	65	45	2	281.531	ug/l	1.41	49,798.85	2.664E-01	Pulse	0.20	3
Zn	66	45	2	2845.442	ug/l	0.95	169,730.69	9.078E-01	Pulse	0.20	3
As	75	45	2	2348.865	ug/l	0.99	91,610.81	4.900E-01	Pulse	0.50	3
Se	78	45	2	2196.980	ug/l	0.58	7,717.85	4.128E-02	Pulse	1.00	3
Se	78	45	3	2121.886	ug/l	1.43	22,042.53	6.962E-02	Pulse	1.00	3
Sr	88	45	1	1331.361	ug/l	0.57	3,508,770.26	1.062E+00	Analog	0.10	3
Mo	95	103	1	1.453	ug/l	16.42	813.39	1.999E-04	Pulse	0.10	3
Ag	107	115	1	58.346	ug/l	1.85	62,547.49	1.379E-02	Pulse	0.10	3
Cd	111	115	1	101.081	ug/l	1.47	23,241.21	5.122E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	102.565	ug/l	1.81	10,176.74	8.527E-03	Pulse	0.25	3
Sn	117	115	1	0.493	ug/l	32.60	210.01	4.632E-05	Pulse	0.10	3
Sn	118	115	1	0.401	ug/l	19.11	580.03	1.278E-04	Pulse	0.10	3
Sn	118	115	2	0.293	ug/l	70.13	153.34	1.286E-04	Pulse	0.10	3
Sn	119	115	1	0.082	ug/l	566.83	393.36	8.685E-05	Pulse	0.10	3
Sb	121	159	1	641.562	ug/l	0.73	517,111.36	7.284E-02	Pulse	0.10	3
Ba	137	159	1	2159.731	ug/l	0.96	872,361.89	1.229E-01	Pulse	0.10	3
Tl	205	209	1	2152.007	ug/l	2.77	4,113,377.44	1.099E+00	Analog	0.10	3
Pb	208	209	1	637.910	ug/l	0.36	1,665,397.24	4.450E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,397,724.66	0.51	79.1	Analog	0.10	3
1	Sc	45	3,302,912.14	1.10	96.9	Analog	0.10	3
2	Sc	45	186,966.70	0.36	96.9	Pulse	0.10	3
3	Sc	45	316,584.24	0.78	105.5	Pulse	0.10	3
1	Ge	72	652,724.33	0.79	96.9	Pulse	0.10	3
2	Ge	72	114,460.23	1.12	99.0	Pulse	0.10	3
3	Ge	72	149,184.25	0.73	100.9	Pulse	0.10	3
1	Rh	103	4,069,978.58	0.79	99.2	Analog	0.10	3
2	Rh	103	2,480,230.59	0.41	96.6	Analog	0.10	3
1	In	115	4,536,801.60	1.02	107.6	Analog	0.10	3
2	In	115	1,193,570.78	0.59	98.2	Pulse	0.10	3
1	Tb	159	7,099,024.89	1.82	118.4	Analog	0.10	3
2	Tb	159	4,332,661.08	0.46	109.2	Analog	0.10	3
1	Ho	165	6,736,898.86	1.58	120.1	Analog	0.10	3
2	Ho	165	4,208,027.54	0.34	110.4	Analog	0.10	3
1	Bi	209	3,742,871.19	1.14	114.2	Analog	0.10	3
2	Bi	209	2,667,553.61	0.59	104.6	Analog	0.10	3

Quantitation Report

File Name	089SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 22:02
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.077	ug/l	24.32	258.67	1.806E-04	Pulse	0.25	3
B	11	6	1	5.062	ug/l	7.95	11,844.44	8.273E-03	Pulse	0.15	3
Na	23	45	1	170.255	ug/l	8.73	2,158,671.95	6.784E-01	Analog	0.10	3
Na	23	45	2	113.983	ug/l	6.19	59,187.10	3.150E-01	Pulse	0.20	3
Mg	24	45	1	92.366	ug/l	7.40	719,058.87	2.260E-01	Pulse	0.10	3
Mg	24	45	2	58.557	ug/l	7.92	13,627.44	7.252E-02	Pulse	0.20	3
Al	27	45	1	232.208	ug/l	8.93	2,441,804.03	7.674E-01	Analog	0.10	3
Al	27	45	2	137.347	ug/l	8.17	12,509.89	6.657E-02	Pulse	0.20	3
K	39	45	1	6.827	ug/l	22.04	1,154,570.32	3.628E-01	Pulse	0.10	3
K	39	45	2	8.019	ug/l	8.63	10,578.56	5.628E-02	Pulse	0.20	3
Ca	43	45	1	94.961	ug/l	9.40	2,902.49	9.122E-04	Pulse	1.50	3
Ca	43	45	2	56.662	ug/l	10.44	46.00	2.446E-04	Pulse	1.50	3
Ca	44	45	1	100.400	ug/l	10.37	48,753.90	1.532E-02	Pulse	0.10	3
Ca	44	45	2	55.941	ug/l	6.85	801.70	4.266E-03	Pulse	0.20	3
Ti	47	45	1	0.092	ug/l	24.86	176.68	5.551E-05	Pulse	0.10	3
Ti	47	45	2	0.070	ug/l	86.61	6.67	3.546E-05	Pulse	0.20	3
V	51	45	2	0.268	ug/l	6.13	1,055.05	5.613E-03	Pulse	0.20	3
Cr	52	45	2	-0.039	ug/l	-63.64	2,696.94	1.435E-02	Pulse	0.20	3
Mn	55	45	2	5.109	ug/l	8.15	9,768.07	5.199E-02	Pulse	0.20	3
Fe	56	45	2	84.146	ug/l	6.14	236,202.90	1.257E+00	Pulse	0.20	3
Co	59	45	2	0.340	ug/l	6.83	1,841.82	9.800E-03	Pulse	0.20	3
Ni	60	45	2	0.372	ug/l	12.18	683.36	3.635E-03	Pulse	0.20	3
Cu	63	45	2	0.114	ug/l	24.08	485.02	2.579E-03	Pulse	0.20	3
Cu	65	45	2	0.104	ug/l	17.18	243.34	1.296E-03	Pulse	0.20	3
Zn	66	45	2	0.712	ug/l	16.20	530.02	2.819E-03	Pulse	0.20	3
As	75	45	2	0.642	ug/l	19.38	265.34	1.412E-03	Pulse	0.50	3
Se	78	45	2	0.460	ug/l	58.94	40.00	2.128E-04	Pulse	1.00	3
Se	78	45	3	0.444	ug/l	14.26	49.67	1.513E-04	Pulse	1.00	3
Sr	88	45	1	0.560	ug/l	10.86	14,650.62	4.605E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.041	ug/l	15.83	356.69	8.003E-05	Pulse	0.10	3
Ag	107	115	1	0.044	ug/l	37.10	633.37	1.304E-04	Pulse	0.10	3
Cd	111	115	1	0.072	ug/l	13.11	194.67	4.009E-05	Pulse	0.25	3
Cd	111	115	2	0.039	ug/l	58.91	44.00	3.471E-05	Pulse	0.25	3
Sn	117	115	1	-0.004	ug/l	-287.48	96.67	1.991E-05	Pulse	0.10	3
Sn	118	115	1	0.007	ug/l	100.19	370.02	7.621E-05	Pulse	0.10	3
Sn	118	115	2	0.027	ug/l	82.83	156.68	1.233E-04	Pulse	0.10	3
Sn	119	115	1	-0.040	ug/l	-78.25	290.01	5.973E-05	Pulse	0.10	3
Sb	121	159	1	0.418	ug/l	15.64	3,773.95	5.269E-04	Pulse	0.10	3
Ba	137	159	1	0.941	ug/l	7.91	4,784.26	6.680E-04	Pulse	0.10	3
Tl	205	209	1	1.695	ug/l	4.12	35,390.21	8.782E-03	Pulse	0.10	3
Pb	208	209	1	0.256	ug/l	8.87	8,311.28	2.062E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,431,800.08	0.55	81.1	Analog	0.10	3
1	Sc	45	3,182,301.41	0.51	93.4	Analog	0.10	3
2	Sc	45	187,941.44	0.69	97.5	Pulse	0.10	3
3	Sc	45	328,040.56	0.67	109.3	Pulse	0.10	3
1	Ge	72	682,663.90	0.57	101.3	Pulse	0.10	3
2	Ge	72	116,212.40	0.89	100.5	Pulse	0.10	3
3	Ge	72	161,716.45	0.71	109.3	Pulse	0.10	3
1	Rh	103	4,457,518.37	0.42	108.6	Analog	0.10	3
2	Rh	103	2,745,020.17	0.15	106.9	Analog	0.10	3
1	In	115	4,855,197.98	0.08	115.1	Analog	0.10	3
2	In	115	1,269,759.82	1.02	104.4	Pulse	0.10	3
1	Tb	159	7,162,326.98	0.06	119.4	Analog	0.10	3
2	Tb	159	4,411,219.62	1.25	111.2	Analog	0.10	3
1	Ho	165	6,751,104.69	0.41	120.3	Analog	0.10	3
2	Ho	165	4,280,422.12	0.62	112.3	Analog	0.10	3
1	Bi	209	4,029,645.15	0.15	122.9	Analog	0.10	3
2	Bi	209	2,914,352.04	0.50	114.3	Analog	0.10	3

Quantitation Report

File Name	090SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 22:07
Sample Name	jb24613-6
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	81.169	ug/l	4.24	60,533.15	6.597E-02	Pulse	0.25	3
B	11	6	1	2498.756	ug/l	4.21	1,467,359.25	1.599E+00	Analog	0.15	3
Na	23	45	1	317550.847	ug/l	0.38	1,724,327,547.64	5.679E+02	Analog	0.10	3
Na	23	45	2	379676.988	ug/l	1.02	76,715,607.19	4.498E+02	Analog	0.20	3
Mg	24	45	1	161948.202	ug/l	0.86	599,528,111.07	1.975E+02	Analog	0.10	3
Mg	24	45	2	180321.403	ug/l	0.52	18,951,493.05	1.111E+02	Analog	0.20	3
Al	27	45	1	465411.034	ug/l	1.41	2,331,109,245.26	7.678E+02	Analog	0.10	3
Al	27	45	2	482990.231	ug/l	0.76	19,888,970.12	1.166E+02	Analog	0.20	3
K	39	45	1	5195.820	ug/l	1.03	37,687,208.60	1.241E+01	Analog	0.10	3
K	39	45	2	5386.332	ug/l	0.21	624,534.40	3.662E+00	Pulse	0.20	3
Ca	43	45	1	174572.273	ug/l	1.21	2,459,502.06	8.101E-01	Analog	1.50	3
Ca	43	45	2	184982.274	ug/l	0.76	66,812.97	3.917E-01	Pulse	1.50	3
Ca	44	45	1	181954.716	ug/l	1.35	40,230,438.57	1.325E+01	Analog	0.10	3
Ca	44	45	2	183571.879	ug/l	0.59	1,152,420.71	6.757E+00	Pulse	0.20	3
Ti	47	45	1	25.177	ug/l	0.91	16,008.22	5.272E-03	Pulse	0.10	3
Ti	47	45	2	22.222	ug/l	3.67	958.38	5.618E-03	Pulse	0.20	3
V	51	45	2	283.667	ug/l	1.01	358,035.10	2.099E+00	Pulse	0.20	3
Cr	52	45	2	177.501	ug/l	0.31	281,713.77	1.652E+00	Pulse	0.20	3
Mn	55	45	2	16270.524	ug/l	0.87	14,102,661.87	8.269E+01	Analog	0.20	3
Fe	56	45	2	260084.771	ug/l	1.31	327,924,641.78	1.923E+03	Analog	0.20	3
Co	59	45	2	577.813	ug/l	0.59	1,360,180.29	7.975E+00	Analog	0.20	3
Ni	60	45	2	736.060	ug/l	0.42	457,273.69	2.681E+00	Pulse	0.20	3
Cu	63	45	2	9.460	ug/l	1.62	15,462.47	9.067E-02	Pulse	0.20	3
Cu	65	45	2	9.634	ug/l	2.33	7,815.35	4.583E-02	Pulse	0.20	3
Zn	66	45	2	1834.679	ug/l	1.15	498,942.01	2.926E+00	Pulse	0.20	3
As	75	45	2	68.166	ug/l	1.34	12,137.92	7.116E-02	Pulse	0.50	3
Se	78	45	2	74.697	ug/l	4.54	1,215.05	7.122E-03	Pulse	1.00	3
Se	78	45	3	10.390	ug/l	5.77	498.34	1.710E-03	Pulse	1.00	3
Sr	88	45	1	1202.874	ug/l	2.05	14,567,693.53	4.798E+00	Analog	0.10	3
Mo	95	103	1	0.318	ug/l	6.41	726.71	2.157E-04	Pulse	0.10	3
Ag	107	115	1	0.107	ug/l	10.84	600.03	1.531E-04	Pulse	0.10	3
Cd	111	115	1	39.960	ug/l	2.65	39,666.98	1.012E-02	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	40.571	ug/l	0.59	16,434.02	1.686E-02	Pulse	0.25	3
Sn	117	115	1	0.644	ug/l	37.14	706.71	1.804E-04	Pulse	0.10	3
Sn	118	115	1	0.710	ug/l	15.06	2,436.96	6.218E-04	Pulse	0.10	3
Sn	118	115	2	0.647	ug/l	28.70	686.71	7.047E-04	Pulse	0.10	3
Sn	119	115	1	0.785	ug/l	15.37	1,193.43	3.046E-04	Pulse	0.10	3
Sb	121	159	1	2.153	ug/l	6.03	8,766.14	1.274E-03	Pulse	0.10	3
Ba	137	159	1	17.600	ug/l	2.41	35,340.93	5.135E-03	Pulse	0.10	3
Tl	205	209	1	1.017	ug/l	3.71	8,963.07	2.725E-03	Pulse	0.10	3
Pb	208	209	1	45.479	ug/l	1.43	522,247.03	1.588E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	918,732.92	4.59	52.0	Mix	0.10	3
1	Sc	45	3,036,190.16	0.63	89.1	Analog	0.10	3
2	Sc	45	170,560.34	1.11	88.4	Pulse	0.10	3
3	Sc	45	291,431.71	1.12	97.1	Pulse	0.10	3
1	Ge	72	599,112.83	1.19	88.9	Pulse	0.10	3
2	Ge	72	105,829.12	1.12	91.5	Pulse	0.10	3
3	Ge	72	135,893.45	1.12	91.9	Pulse	0.10	3
1	Rh	103	3,367,999.64	0.36	82.1	Analog	0.10	3
2	Rh	103	1,996,164.08	0.53	77.7	Analog	0.10	3
1	In	115	3,918,996.03	0.35	92.9	Analog	0.10	3
2	In	115	974,571.54	1.25	80.1	Pulse	0.10	3
1	Tb	159	6,882,717.82	1.12	114.7	Analog	0.10	3
2	Tb	159	3,939,255.67	0.24	99.3	Analog	0.10	3
1	Ho	165	6,517,989.28	0.82	116.2	Analog	0.10	3
2	Ho	165	3,872,003.38	0.88	101.6	Analog	0.10	3
1	Bi	209	3,288,551.31	0.99	100.3	Analog	0.10	3
2	Bi	209	2,220,766.53	0.68	87.1	Analog	0.10	3

Quantitation Report

File Name	091SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 22:12
Sample Name	mp68805-sd1
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	69.825	ug/l	2.44	13,368.05	1.140E-02	Pulse	0.25	3
B	11	6	1	2011.479	ug/l	1.14	303,671.34	2.590E-01	Pulse	0.15	3
Na	23	45	1	332447.439	ug/l	1.17	364,306,301.24	1.190E+02	Analog	0.10	3
Na	23	45	2	373487.507	ug/l	1.16	15,997,056.01	8.853E+01	Analog	0.20	3
Mg	24	45	1	169906.333	ug/l	2.03	126,889,191.44	4.143E+01	Analog	0.10	3
Mg	24	45	2	179338.646	ug/l	1.62	3,993,555.67	2.210E+01	Analog	0.20	3
Al	27	45	1	480606.878	ug/l	1.55	485,622,659.43	1.586E+02	Analog	0.10	3
Al	27	45	2	477750.756	ug/l	1.60	4,168,313.48	2.307E+01	Analog	0.20	3
K	39	45	1	5296.923	ug/l	0.40	8,556,827.17	2.794E+00	Analog	0.10	3
K	39	45	2	5261.223	ug/l	1.14	135,870.78	7.520E-01	Pulse	0.20	3
Ca	43	45	1	182332.593	ug/l	0.12	518,249.96	1.692E-01	Pulse	1.50	3
Ca	43	45	2	181044.918	ug/l	2.14	13,855.06	7.668E-02	Pulse	1.50	3
Ca	44	45	1	184419.954	ug/l	0.76	8,226,410.09	2.687E+00	Analog	0.10	3
Ca	44	45	2	179848.207	ug/l	1.33	239,233.59	1.324E+00	Pulse	0.20	3
Ti	47	45	1	24.996	ug/l	14.78	3,250.47	1.061E-03	Pulse	0.10	3
Ti	47	45	2	24.263	ug/l	1.69	221.68	1.227E-03	Pulse	0.20	3
V	51	45	2	281.301	ug/l	0.95	75,472.49	4.177E-01	Pulse	0.20	3
Cr	52	45	2	170.123	ug/l	1.75	59,406.49	3.288E-01	Pulse	0.20	3
Mn	55	45	2	16104.124	ug/l	1.36	2,957,628.81	1.637E+01	Analog	0.20	3
Fe	56	45	2	261567.177	ug/l	1.01	69,882,803.96	3.868E+02	Analog	0.20	3
Co	59	45	2	600.565	ug/l	1.35	299,604.55	1.658E+00	Pulse	0.20	3
Ni	60	45	2	769.919	ug/l	2.40	101,467.01	5.616E-01	Pulse	0.20	3
Cu	63	45	2	10.989	ug/l	4.35	3,862.19	2.138E-02	Pulse	0.20	3
Cu	65	45	2	10.624	ug/l	2.29	1,870.14	1.035E-02	Pulse	0.20	3
Zn	66	45	2	2086.507	ug/l	1.69	120,306.87	6.658E-01	Pulse	0.20	3
As	75	45	2	67.696	ug/l	2.20	2,564.89	1.419E-02	Pulse	0.50	3
Se	78	45	2	67.096	ug/l	3.39	250.00	1.383E-03	Pulse	1.00	3
Se	78	45	3	9.934	ug/l	4.90	107.00	3.315E-04	Pulse	1.00	3
Sr	88	45	1	1260.229	ug/l	0.70	3,079,090.37	1.006E+00	Analog	0.10	3
Mo	95	103	1	0.355	ug/l	86.87	303.35	7.405E-05	Pulse	0.10	3
Ag	107	115	1	0.188	ug/l	72.88	333.35	7.096E-05	Pulse	0.10	3
Cd	111	115	1	37.604	ug/l	2.55	8,965.33	1.908E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	38.106	ug/l	2.20	3,769.85	3.169E-03	Pulse	0.25	3
Sn	117	115	1	0.734	ug/l	43.97	273.35	5.815E-05	Pulse	0.10	3
Sn	118	115	1	0.473	ug/l	36.03	653.37	1.390E-04	Pulse	0.10	3
Sn	118	115	2	0.709	ug/l	21.43	250.01	2.101E-04	Pulse	0.10	3
Sn	119	115	1	-0.187	ug/l	-188.18	336.68	7.158E-05	Pulse	0.10	3
Sb	121	159	1	2.992	ug/l	14.09	2,937.10	3.916E-04	Pulse	0.10	3
Ba	137	159	1	18.138	ug/l	4.17	8,726.14	1.164E-03	Pulse	0.10	3
Tl	205	209	1	3.157	ug/l	36.03	7,025.96	1.741E-03	Pulse	0.10	3
Pb	208	209	1	40.459	ug/l	0.49	114,744.72	2.848E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,172,643.55	1.78	66.4	Analog	0.10	3
1	Sc	45	3,062,091.10	1.09	89.9	Analog	0.10	3
2	Sc	45	180,705.70	1.15	93.7	Pulse	0.10	3
3	Sc	45	322,709.49	0.84	107.6	Pulse	0.10	3
1	Ge	72	639,853.31	0.88	95.0	Pulse	0.10	3
2	Ge	72	110,333.08	0.22	95.4	Pulse	0.10	3
3	Ge	72	154,792.45	1.22	104.7	Pulse	0.10	3
1	Rh	103	4,086,920.87	0.76	99.6	Analog	0.10	3
2	Rh	103	2,492,525.95	0.38	97.0	Analog	0.10	3
1	In	115	4,699,457.97	0.58	111.4	Analog	0.10	3
2	In	115	1,189,548.23	0.50	97.8	Pulse	0.10	3
1	Tb	159	7,494,140.10	1.06	124.9	Analog	0.10	3
2	Tb	159	4,386,710.14	0.54	110.6	Analog	0.10	3
1	Ho	165	7,170,060.72	0.52	127.8	Analog	0.10	3
2	Ho	165	4,301,752.33	0.56	112.8	Analog	0.10	3
1	Bi	209	4,028,291.92	0.80	122.9	Analog	0.10	3
2	Bi	209	2,777,404.23	0.37	108.9	Analog	0.10	3

Quantitation Report

File Name	092SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 22:18
Sample Name	jb24613-1
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.064	ug/l	108.98	105.33	1.082E-04	Pulse	0.25	3
B	11	6	1	159.281	ug/l	0.27	101,091.61	1.036E-01	Pulse	0.15	3
Na	23	45	1	458406.159	ug/l	2.71	2,113,867,168.50	8.198E+02	Analog	0.10	3
Na	23	45	2	564673.867	ug/l	0.58	102,653,208.47	6.690E+02	Analog	0.20	3
Mg	24	45	1	48618.087	ug/l	2.25	152,850,187.72	5.928E+01	Analog	0.10	3
Mg	24	45	2	56333.616	ug/l	0.48	5,326,765.13	3.471E+01	Analog	0.20	3
Al	27	45	1	506.451	ug/l	50.52	2,149,450.38	8.368E-01	Analog	0.10	3
Al	27	45	2	213.154	ug/l	4.54	7,937.05	5.171E-02	Pulse	0.20	3
K	39	45	1	2372.174	ug/l	1.86	15,075,731.44	5.847E+00	Analog	0.10	3
K	39	45	2	2448.304	ug/l	0.65	259,199.45	1.689E+00	Pulse	0.20	3
Ca	43	45	1	80951.042	ug/l	1.62	968,568.89	3.757E-01	Pulse	1.50	3
Ca	43	45	2	86019.411	ug/l	1.12	27,953.42	1.822E-01	Pulse	1.50	3
Ca	44	45	1	82156.117	ug/l	2.57	15,427,540.60	5.983E+00	Analog	0.10	3
Ca	44	45	2	84413.343	ug/l	0.44	476,765.20	3.107E+00	Pulse	0.20	3
Ti	47	45	1	1.468	ug/l	42.28	833.47	3.236E-04	Pulse	0.10	3
Ti	47	45	2	0.557	ug/l	47.56	21.67	1.409E-04	Pulse	0.20	3
V	51	45	2	3.312	ug/l	6.12	4,010.57	2.614E-02	Pulse	0.20	3
Cr	52	45	2	3.743	ug/l	4.03	7,610.24	4.959E-02	Pulse	0.20	3
Mn	55	45	2	33.450	ug/l	2.18	26,094.35	1.701E-01	Pulse	0.20	3
Fe	56	45	2	139.724	ug/l	4.90	160,492.16	1.046E+00	Pulse	0.20	3
Co	59	45	2	0.450	ug/l	6.01	1,015.05	6.617E-03	Pulse	0.20	3
Ni	60	45	2	0.849	ug/l	8.68	616.69	4.020E-03	Pulse	0.20	3
Cu	63	45	2	0.953	ug/l	5.99	1,458.43	9.505E-03	Pulse	0.20	3
Cu	65	45	2	1.144	ug/l	12.98	876.71	5.716E-03	Pulse	0.20	3
Zn	66	45	2	2.748	ug/l	20.34	756.70	4.928E-03	Pulse	0.20	3
As	75	45	2	0.905	ug/l	19.00	156.00	1.016E-03	Pulse	0.50	3
Se	78	45	2	0.064	ug/l	554.56	20.33	1.327E-04	Pulse	1.00	3
Se	78	45	3	0.445	ug/l	29.55	21.67	7.852E-05	Pulse	1.00	3
Sr	88	45	1	787.941	ug/l	2.49	8,104,317.80	3.143E+00	Analog	0.10	3
Mo	95	103	1	9.460	ug/l	2.21	19,008.62	5.456E-03	Pulse	0.10	3
Ag	107	115	1	0.031	ug/l	32.86	256.68	6.281E-05	Pulse	0.10	3
Cd	111	115	1	0.082	ug/l	69.07	98.67	2.431E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.110	ug/l	9.08	48.00	4.772E-05	Pulse	0.25	3
Sn	117	115	1	0.146	ug/l	33.96	236.68	5.790E-05	Pulse	0.10	3
Sn	118	115	1	0.143	ug/l	15.03	723.38	1.771E-04	Pulse	0.10	3
Sn	118	115	2	0.195	ug/l	39.85	263.34	2.618E-04	Pulse	0.10	3
Sn	119	115	1	0.646	ug/l	19.88	1,083.42	2.653E-04	Pulse	0.10	3
Sb	121	159	1	0.302	ug/l	15.82	1,463.47	2.235E-04	Pulse	0.10	3
Ba	137	159	1	352.253	ug/l	0.36	657,581.79	1.002E-01	Pulse	0.10	3
Tl	205	209	1	0.508	ug/l	13.88	4,914.44	1.427E-03	Pulse	0.10	3
Pb	208	209	1	0.391	ug/l	9.29	5,664.04	1.642E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	975,511.72	2.38	55.2	Mix	0.10	3
1	Sc	45	2,577,986.21	1.50	75.7	Analog	0.10	3
2	Sc	45	153,448.52	0.75	79.6	Pulse	0.10	3
3	Sc	45	276,180.42	0.50	92.1	Pulse	0.10	3
1	Ge	72	558,967.43	1.81	83.0	Pulse	0.10	3
2	Ge	72	97,947.15	0.30	84.7	Pulse	0.10	3
3	Ge	72	138,030.81	0.84	93.3	Pulse	0.10	3
1	Rh	103	3,484,303.28	2.09	84.9	Analog	0.10	3
2	Rh	103	2,102,067.31	0.51	81.8	Analog	0.10	3
1	In	115	4,085,292.63	2.05	96.9	Analog	0.10	3
2	In	115	1,006,008.88	0.38	82.7	Pulse	0.10	3
1	Tb	159	6,559,664.28	2.13	109.4	Analog	0.10	3
2	Tb	159	3,804,183.49	0.36	95.9	Analog	0.10	3
1	Ho	165	6,241,240.74	2.02	111.3	Analog	0.10	3
2	Ho	165	3,745,177.96	0.39	98.2	Analog	0.10	3
1	Bi	209	3,448,350.99	1.40	105.2	Analog	0.10	3
2	Bi	209	2,334,328.98	0.26	91.5	Analog	0.10	3

Quantitation Report

File Name	093SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 22:23
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.006	ug/l	-124.52	68.00	4.627E-05	Pulse	0.25	3
B	11	6	1	6.201	ug/l	1.24	14,286.33	9.729E-03	Pulse	0.15	3
Na	23	45	1	718.359	ug/l	10.17	7,973,389.67	2.639E+00	Analog	0.10	3
Na	23	45	2	419.858	ug/l	6.47	183,644.99	1.040E+00	Pulse	0.20	3
Mg	24	45	1	118.131	ug/l	11.36	872,787.72	2.888E-01	Pulse	0.10	3
Mg	24	45	2	68.796	ug/l	7.00	15,040.35	8.514E-02	Pulse	0.20	3
Al	27	45	1	163.870	ug/l	11.64	1,637,662.42	5.419E-01	Analog	0.10	3
Al	27	45	2	87.599	ug/l	9.13	7,515.19	4.255E-02	Pulse	0.20	3
K	39	45	1	2.292	ug/l	56.95	1,032,825.79	3.417E-01	Pulse	0.10	3
K	39	45	2	3.460	ug/l	8.40	8,855.83	5.016E-02	Pulse	0.20	3
Ca	43	45	1	150.665	ug/l	10.99	4,318.80	1.429E-03	Pulse	1.50	3
Ca	43	45	2	84.797	ug/l	12.14	64.22	3.638E-04	Pulse	1.50	3
Ca	44	45	1	153.334	ug/l	11.26	69,599.17	2.303E-02	Pulse	0.10	3
Ca	44	45	2	78.050	ug/l	15.37	1,041.72	5.893E-03	Pulse	0.20	3
Ti	47	45	1	0.044	ug/l	139.77	106.67	3.542E-05	Pulse	0.10	3
Ti	47	45	2	0.074	ug/l	86.63	6.67	3.764E-05	Pulse	0.20	3
V	51	45	2	0.379	ug/l	3.85	1,278.41	7.242E-03	Pulse	0.20	3
Cr	52	45	2	-0.168	ug/l	-32.56	2,111.84	1.197E-02	Pulse	0.20	3
Mn	55	45	2	3.128	ug/l	7.74	5,626.07	3.185E-02	Pulse	0.20	3
Fe	56	45	2	52.945	ug/l	6.14	140,535.10	7.957E-01	Pulse	0.20	3
Co	59	45	2	0.102	ug/l	18.94	566.69	3.214E-03	Pulse	0.20	3
Ni	60	45	2	0.106	ug/l	14.72	300.01	1.699E-03	Pulse	0.20	3
Cu	63	45	2	0.033	ug/l	32.16	185.00	1.046E-03	Pulse	0.20	3
Cu	65	45	2	0.009	ug/l	160.66	70.00	3.952E-04	Pulse	0.20	3
Zn	66	45	2	0.352	ug/l	6.42	295.01	1.670E-03	Pulse	0.20	3
As	75	45	2	0.072	ug/l	20.85	39.33	2.225E-04	Pulse	0.50	3
Se	78	45	2	0.101	ug/l	379.53	25.67	1.456E-04	Pulse	1.00	3
Se	78	45	3	0.079	ug/l	13.38	9.67	3.145E-05	Pulse	1.00	3
Sr	88	45	1	1.257	ug/l	6.35	30,727.38	1.017E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.006	ug/l	219.84	170.01	4.000E-05	Pulse	0.10	3
Ag	107	115	1	0.008	ug/l	98.78	206.67	4.461E-05	Pulse	0.10	3
Cd	111	115	1	0.015	ug/l	49.08	50.67	1.093E-05	Pulse	0.25	3
Cd	111	115	2	0.025	ug/l	87.68	28.00	2.292E-05	Pulse	0.25	3
Sn	117	115	1	0.006	ug/l	220.31	116.67	2.514E-05	Pulse	0.10	3
Sn	118	115	1	0.001	ug/l	1138.07	306.68	6.613E-05	Pulse	0.10	3
Sn	118	115	2	-0.004	ug/l	-322.08	76.67	6.325E-05	Pulse	0.10	3
Sn	119	115	1	-0.091	ug/l	-5.87	143.34	3.086E-05	Pulse	0.10	3
Sb	121	159	1	0.014	ug/l	30.74	476.69	6.853E-05	Pulse	0.10	3
Ba	137	159	1	0.420	ug/l	4.45	2,590.31	3.722E-04	Pulse	0.10	3
Tl	205	209	1	0.117	ug/l	4.18	2,837.07	7.259E-04	Pulse	0.10	3
Pb	208	209	1	0.001	ug/l	239.01	1,133.41	2.899E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,468,413.48	0.76	83.1	Analog	0.10	3
1	Sc	45	3,022,571.52	0.74	88.7	Analog	0.10	3
2	Sc	45	176,548.41	1.54	91.5	Pulse	0.10	3
3	Sc	45	307,149.41	0.94	102.4	Pulse	0.10	3
1	Ge	72	646,620.32	0.96	96.0	Pulse	0.10	3
2	Ge	72	111,134.81	2.82	96.1	Pulse	0.10	3
3	Ge	72	154,008.49	1.01	104.1	Pulse	0.10	3
1	Rh	103	4,249,527.54	0.35	103.5	Analog	0.10	3
2	Rh	103	2,607,120.07	0.97	101.5	Analog	0.10	3
1	In	115	4,642,602.20	0.89	110.1	Analog	0.10	3
2	In	115	1,215,365.99	0.98	99.9	Pulse	0.10	3
1	Tb	159	6,959,208.44	0.92	116.0	Analog	0.10	3
2	Tb	159	4,242,610.46	0.52	106.9	Analog	0.10	3
1	Ho	165	6,557,458.44	0.75	116.9	Analog	0.10	3
2	Ho	165	4,132,455.56	0.56	108.4	Analog	0.10	3
1	Bi	209	3,908,763.38	0.85	119.2	Analog	0.10	3
2	Bi	209	2,820,176.52	0.09	110.6	Analog	0.10	3

Quantitation Report

File Name	094SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 22:28
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	54.610	ug/l	0.84	125,721.73	8.875E-02	Pulse	0.25	3
B	11	6	1	60.578	ug/l	1.91	112,266.25	7.925E-02	Pulse	0.15	3
Na	23	45	1	5081.084	ug/l	0.61	51,819,617.56	1.824E+01	Analog	0.10	3
Na	23	45	2	5280.465	ug/l	0.33	2,084,206.74	1.256E+01	Analog	0.20	3
Mg	24	45	1	4925.065	ug/l	1.49	34,120,037.83	1.201E+01	Analog	0.10	3
Mg	24	45	2	5031.967	ug/l	0.65	1,029,479.18	6.202E+00	Pulse	0.20	3
Al	27	45	1	4824.965	ug/l	1.19	45,227,724.32	1.592E+01	Analog	0.10	3
Al	27	45	2	4790.675	ug/l	0.57	384,039.24	2.314E+00	Pulse	0.20	3
K	39	45	1	4925.926	ug/l	0.98	66,018,160.68	2.324E+01	Analog	0.10	3
K	39	45	2	4935.235	ug/l	0.77	1,107,556.34	6.672E+00	Pulse	0.20	3
Ca	43	45	1	5029.042	ug/l	1.18	132,671.05	4.670E-02	Pulse	1.50	3
Ca	43	45	2	5206.322	ug/l	2.70	3,661.08	2.206E-02	Pulse	1.50	3
Ca	44	45	1	5111.191	ug/l	0.55	2,116,619.71	7.451E-01	Analog	0.10	3
Ca	44	45	2	5127.066	ug/l	2.06	62,667.65	3.776E-01	Pulse	0.20	3
Ti	47	45	1	52.500	ug/l	0.51	62,311.25	2.193E-02	Pulse	0.10	3
Ti	47	45	2	52.779	ug/l	6.80	4,430.68	2.669E-02	Pulse	0.20	3
V	51	45	2	53.292	ug/l	0.16	131,108.08	7.898E-01	Pulse	0.20	3
Cr	52	45	2	52.895	ug/l	0.83	164,415.95	9.905E-01	Pulse	0.20	3
Mn	55	45	2	54.356	ug/l	0.51	91,720.88	5.525E-01	Pulse	0.20	3
Fe	56	45	2	5206.790	ug/l	0.84	12,781,068.98	7.700E+01	Analog	0.20	3
Co	59	45	2	53.254	ug/l	0.79	244,074.17	1.470E+00	Pulse	0.20	3
Ni	60	45	2	52.382	ug/l	1.22	63,472.20	3.824E-01	Pulse	0.20	3
Cu	63	45	2	53.107	ug/l	0.55	168,279.52	1.014E+00	Pulse	0.20	3
Cu	65	45	2	52.873	ug/l	0.39	82,993.82	5.000E-01	Pulse	0.20	3
Zn	66	45	2	54.384	ug/l	2.85	28,880.75	1.740E-01	Pulse	0.20	3
As	75	45	2	53.849	ug/l	1.29	18,656.06	1.124E-01	Pulse	0.50	3
Se	78	45	2	52.594	ug/l	1.29	1,656.42	9.978E-03	Pulse	1.00	3
Se	78	45	3	52.326	ug/l	0.90	5,014.12	1.717E-02	Pulse	1.00	3
Sr	88	45	1	61.570	ug/l	1.01	1,395,807.32	4.913E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	52.279	ug/l	0.79	240,228.33	5.997E-02	Pulse	0.10	3
Ag	107	115	1	48.987	ug/l	0.95	513,345.40	1.156E-01	Pulse	0.10	3
Cd	111	115	1	51.754	ug/l	1.22	116,439.58	2.621E-02	Pulse	0.25	3
Cd	111	115	2	53.608	ug/l	0.77	50,715.70	4.456E-02	Pulse	0.25	3
Sn	117	115	1	53.407	ug/l	2.45	116,616.80	2.625E-02	Pulse	0.10	3
Sn	118	115	1	53.127	ug/l	0.86	370,666.54	8.344E-02	Pulse	0.10	3
Sn	118	115	2	55.102	ug/l	1.33	122,894.34	1.080E-01	Pulse	0.10	3
Sn	119	115	1	53.686	ug/l	1.43	135,493.21	3.050E-02	Pulse	0.10	3
Sb	121	159	1	56.964	ug/l	0.40	443,194.07	6.468E-02	Pulse	0.10	3
Ba	137	159	1	50.389	ug/l	0.88	197,155.01	2.877E-02	Pulse	0.10	3
Tl	205	209	1	48.276	ug/l	1.39	932,840.35	2.466E-01	Pulse	0.10	3
Pb	208	209	1	52.431	ug/l	0.26	1,383,477.14	3.658E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,416,668.00	1.11	80.2	Analog	0.10	3
1	Sc	45	2,840,766.11	0.23	83.4	Analog	0.10	3
2	Sc	45	166,000.36	0.81	86.1	Pulse	0.10	3
3	Sc	45	291,984.55	0.95	97.3	Pulse	0.10	3
1	Ge	72	611,600.11	0.71	90.8	Pulse	0.10	3
2	Ge	72	103,494.07	1.48	89.5	Pulse	0.10	3
3	Ge	72	145,460.98	1.42	98.4	Pulse	0.10	3
1	Rh	103	4,005,777.75	0.79	97.6	Analog	0.10	3
2	Rh	103	2,438,106.27	0.82	94.9	Analog	0.10	3
1	In	115	4,442,305.71	0.46	105.3	Analog	0.10	3
2	In	115	1,138,169.46	0.56	93.6	Pulse	0.10	3
1	Tb	159	6,851,644.27	0.56	114.2	Analog	0.10	3
2	Tb	159	4,151,984.11	0.06	104.7	Analog	0.10	3
1	Ho	165	6,450,699.90	0.39	115.0	Analog	0.10	3
2	Ho	165	4,039,010.88	0.64	105.9	Analog	0.10	3
1	Bi	209	3,782,419.32	0.48	115.4	Analog	0.10	3
2	Bi	209	2,685,537.25	0.54	105.3	Analog	0.10	3

Quantitation Report

File Name	095SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 22:33
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.267	ug/l	6.79	669.36	4.903E-04	Pulse	0.25	3
B	11	6	1	5.010	ug/l	7.67	11,203.92	8.207E-03	Pulse	0.15	3
Na	23	45	1	72.143	ug/l	6.75	928,241.57	3.275E-01	Pulse	0.10	3
Na	23	45	2	52.502	ug/l	5.56	28,421.12	1.693E-01	Pulse	0.20	3
Mg	24	45	1	36.069	ug/l	6.33	251,398.70	8.869E-02	Pulse	0.10	3
Mg	24	45	2	21.966	ug/l	15.56	4,607.39	2.743E-02	Pulse	0.20	3
Al	27	45	1	42.516	ug/l	5.93	401,184.85	1.415E-01	Pulse	0.10	3
Al	27	45	2	25.583	ug/l	11.72	2,116.84	1.260E-02	Pulse	0.20	3
K	39	45	1	23.814	ug/l	7.71	1,252,527.93	4.418E-01	Mix	0.10	3
K	39	45	2	16.255	ug/l	6.85	11,304.01	6.734E-02	Pulse	0.20	3
Ca	43	45	1	37.503	ug/l	4.09	1,074.26	3.790E-04	Pulse	1.50	3
Ca	43	45	2	22.983	ug/l	8.64	17.11	1.020E-04	Pulse	1.50	3
Ca	44	45	1	37.632	ug/l	7.76	17,520.03	6.181E-03	Pulse	0.10	3
Ca	44	45	2	22.562	ug/l	18.73	303.34	1.809E-03	Pulse	0.20	3
Ti	47	45	1	0.345	ug/l	26.50	456.69	1.611E-04	Pulse	0.10	3
Ti	47	45	2	0.177	ug/l	33.51	15.00	8.945E-05	Pulse	0.20	3
V	51	45	2	0.175	ug/l	12.41	710.03	4.229E-03	Pulse	0.20	3
Cr	52	45	2	-0.007	ug/l	-307.59	2,508.58	1.495E-02	Pulse	0.20	3
Mn	55	45	2	0.640	ug/l	8.82	1,101.73	6.563E-03	Pulse	0.20	3
Fe	56	45	2	23.535	ug/l	7.34	60,583.78	3.608E-01	Pulse	0.20	3
Co	59	45	2	0.174	ug/l	13.11	873.37	5.199E-03	Pulse	0.20	3
Ni	60	45	2	0.171	ug/l	16.09	365.01	2.174E-03	Pulse	0.20	3
Cu	63	45	2	0.162	ug/l	16.86	590.02	3.512E-03	Pulse	0.20	3
Cu	65	45	2	0.164	ug/l	26.81	313.34	1.864E-03	Pulse	0.20	3
Zn	66	45	2	0.193	ug/l	41.64	195.00	1.164E-03	Pulse	0.20	3
As	75	45	2	0.156	ug/l	47.44	66.67	3.967E-04	Pulse	0.50	3
Se	78	45	2	0.055	ug/l	189.76	23.00	1.369E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.256	ug/l	7.16	26.67	8.962E-05	Pulse	1.00	3
Sr	88	45	1	0.419	ug/l	8.37	9,866.74	3.481E-03	Pulse	0.10	3
Mo	95	103	1	0.357	ug/l	2.36	1,816.85	4.424E-04	Pulse	0.10	3
Ag	107	115	1	0.242	ug/l	11.76	2,717.02	5.984E-04	Pulse	0.10	3
Cd	111	115	1	0.265	ug/l	9.67	625.35	1.377E-04	Pulse	0.25	3
Cd	111	115	2	0.157	ug/l	12.84	157.33	1.328E-04	Pulse	0.25	3
Sn	117	115	1	0.360	ug/l	19.30	903.40	1.989E-04	Pulse	0.10	3
Sn	118	115	1	0.361	ug/l	10.73	2,863.72	6.307E-04	Pulse	0.10	3
Sn	118	115	2	0.313	ug/l	9.48	810.05	6.836E-04	Pulse	0.10	3
Sn	119	115	1	0.272	ug/l	12.26	1,073.41	2.364E-04	Pulse	0.10	3
Sb	121	159	1	0.326	ug/l	14.06	2,887.06	4.224E-04	Pulse	0.10	3
Ba	137	159	1	0.182	ug/l	38.65	1,623.48	2.370E-04	Pulse	0.10	3
Tl	205	209	1	0.588	ug/l	1.06	12,162.17	3.131E-03	Pulse	0.10	3
Pb	208	209	1	0.242	ug/l	7.22	7,631.09	1.965E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,365,701.94	1.04	77.3	Analog	0.10	3
1	Sc	45	2,835,105.48	0.50	83.2	Analog	0.10	3
2	Sc	45	167,836.40	1.01	87.0	Pulse	0.10	3
3	Sc	45	297,428.65	1.11	99.1	Pulse	0.10	3
1	Ge	72	611,128.32	0.25	90.7	Pulse	0.10	3
2	Ge	72	105,232.18	0.48	91.0	Pulse	0.10	3
3	Ge	72	147,795.35	0.49	99.9	Pulse	0.10	3
1	Rh	103	4,107,420.14	0.58	100.1	Analog	0.10	3
2	Rh	103	2,541,695.07	0.36	99.0	Analog	0.10	3
1	In	115	4,541,460.99	0.43	107.7	Analog	0.10	3
2	In	115	1,184,926.38	0.18	97.4	Pulse	0.10	3
1	Tb	159	6,841,758.02	1.17	114.1	Analog	0.10	3
2	Tb	159	4,187,360.04	0.31	105.5	Analog	0.10	3
1	Ho	165	6,512,773.86	1.05	116.1	Analog	0.10	3
2	Ho	165	4,073,942.65	0.22	106.9	Analog	0.10	3
1	Bi	209	3,884,180.36	1.00	118.5	Analog	0.10	3
2	Bi	209	2,779,073.40	0.49	109.0	Analog	0.10	3

Quantitation Report

File Name	096SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 22:38
Sample Name	jb24613-2 2
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.015	ug/l	151.48	78.67	6.808E-05	Pulse	0.25	3
B	11	6	1	110.038	ug/l	2.12	83,533.02	7.215E-02	Pulse	0.15	3
Na	23	45	1	380965.835	ug/l	1.26	1,810,303,706.35	6.813E+02	Analog	0.10	3
Na	23	45	2	428691.567	ug/l	2.18	79,382,688.82	5.079E+02	Analog	0.20	3
Mg	24	45	1	40158.739	ug/l	0.62	130,101,331.40	4.897E+01	Analog	0.10	3
Mg	24	45	2	42571.521	ug/l	2.12	4,100,343.27	2.623E+01	Analog	0.20	3
Al	27	45	1	42.258	ug/l	3.51	188,514.78	7.097E-02	Pulse	0.10	3
Al	27	45	2	34.221	ug/l	13.28	1,330.09	8.512E-03	Pulse	0.20	3
K	39	45	1	1172.303	ug/l	0.72	8,122,436.96	3.057E+00	Analog	0.10	3
K	39	45	2	1188.156	ug/l	2.71	131,789.45	8.432E-01	Pulse	0.20	3
Ca	43	45	1	61976.317	ug/l	0.94	764,208.14	2.876E-01	Pulse	1.50	3
Ca	43	45	2	64405.073	ug/l	2.46	21,318.17	1.364E-01	Pulse	1.50	3
Ca	44	45	1	62886.860	ug/l	0.87	12,169,353.57	4.580E+00	Analog	0.10	3
Ca	44	45	2	63396.938	ug/l	2.46	364,716.64	2.333E+00	Pulse	0.20	3
Ti	47	45	1	1.715	ug/l	1.56	996.75	3.751E-04	Pulse	0.10	3
Ti	47	45	2	1.562	ug/l	68.38	61.67	3.950E-04	Pulse	0.20	3
V	51	45	2	3.071	ug/l	3.50	3,805.51	2.435E-02	Pulse	0.20	3
Cr	52	45	2	3.631	ug/l	3.24	7,588.56	4.855E-02	Pulse	0.20	3
Mn	55	45	2	39.935	ug/l	2.27	31,730.75	2.030E-01	Pulse	0.20	3
Fe	56	45	2	61.189	ug/l	4.65	72,701.30	4.652E-01	Pulse	0.20	3
Co	59	45	2	0.219	ug/l	12.45	535.02	3.421E-03	Pulse	0.20	3
Ni	60	45	2	2.443	ug/l	3.93	1,535.11	9.823E-03	Pulse	0.20	3
Cu	63	45	2	0.881	ug/l	5.50	1,378.42	8.821E-03	Pulse	0.20	3
Cu	65	45	2	0.769	ug/l	10.21	616.69	3.942E-03	Pulse	0.20	3
Zn	66	45	2	5.257	ug/l	6.84	1,395.09	8.928E-03	Pulse	0.20	3
As	75	45	2	1.902	ug/l	5.07	321.34	2.055E-03	Pulse	0.50	3
Se	78	45	2	0.466	ug/l	186.56	26.67	1.703E-04	Pulse	1.00	3
Se	78	45	3	0.355	ug/l	18.49	17.00	6.372E-05	Pulse	1.00	3
Sr	88	45	1	550.783	ug/l	1.33	5,838,189.71	2.197E+00	Analog	0.10	3
Mo	95	103	1	5.929	ug/l	1.16	11,941.53	3.432E-03	Pulse	0.10	3
Ag	107	115	1	0.037	ug/l	24.09	280.02	6.988E-05	Pulse	0.10	3
Cd	111	115	1	0.065	ug/l	65.31	80.00	2.001E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.045	ug/l	106.52	21.33	2.073E-05	Pulse	0.25	3
Sn	117	115	1	0.466	ug/l	26.43	546.70	1.364E-04	Pulse	0.10	3
Sn	118	115	1	0.482	ug/l	9.03	1,776.84	4.429E-04	Pulse	0.10	3
Sn	118	115	2	0.361	ug/l	24.24	433.36	4.247E-04	Pulse	0.10	3
Sn	119	115	1	1.072	ug/l	8.47	1,546.82	3.859E-04	Pulse	0.10	3
Sb	121	159	1	0.211	ug/l	23.85	1,090.08	1.716E-04	Pulse	0.10	3
Ba	137	159	1	233.941	ug/l	0.50	422,678.80	6.662E-02	Pulse	0.10	3
Tl	205	209	1	0.383	ug/l	9.34	3,683.96	1.108E-03	Pulse	0.10	3
Pb	208	209	1	0.453	ug/l	5.21	6,184.13	1.861E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,157,651.69	1.13	65.5	Analog	0.10	3
1	Sc	45	2,656,844.65	1.04	78.0	Analog	0.10	3
2	Sc	45	156,325.43	1.13	81.1	Pulse	0.10	3
3	Sc	45	266,544.66	0.98	88.8	Pulse	0.10	3
1	Ge	72	581,623.76	0.46	86.3	Pulse	0.10	3
2	Ge	72	97,400.91	1.37	84.2	Pulse	0.10	3
3	Ge	72	135,149.99	0.36	91.4	Pulse	0.10	3
1	Rh	103	3,478,830.68	1.60	84.8	Analog	0.10	3
2	Rh	103	2,086,298.62	0.39	81.2	Analog	0.10	3
1	In	115	4,009,824.65	1.19	95.1	Analog	0.10	3
2	In	115	1,021,900.51	1.17	84.0	Pulse	0.10	3
1	Tb	159	6,344,643.03	1.20	105.8	Analog	0.10	3
2	Tb	159	3,757,363.90	0.55	94.7	Analog	0.10	3
1	Ho	165	6,028,685.95	1.41	107.5	Analog	0.10	3
2	Ho	165	3,667,331.51	1.24	96.2	Analog	0.10	3
1	Bi	209	3,323,506.31	1.27	101.4	Analog	0.10	3
2	Bi	209	2,301,662.47	0.72	90.3	Analog	0.10	3

Quantitation Report

File Name	097SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 22:43
Sample Name	jb24613-3
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.014	ug/l	-57.62	57.33	4.453E-05	Pulse	0.25	3
B	11	6	1	127.560	ug/l	1.77	107,364.60	8.335E-02	Pulse	0.15	3
Na	23	45	1	244748.265	ug/l	2.51	1,163,739,555.99	4.377E+02	Analog	0.10	3
Na	23	45	2	272216.465	ug/l	0.58	49,171,709.26	3.225E+02	Analog	0.20	3
Mg	24	45	1	12459.280	ug/l	1.69	40,392,036.06	1.519E+01	Analog	0.10	3
Mg	24	45	2	13789.863	ug/l	0.49	1,295,584.90	8.498E+00	Analog	0.20	3
Al	27	45	1	13.268	ug/l	12.14	61,566.91	2.314E-02	Pulse	0.10	3
Al	27	45	2	10.355	ug/l	29.85	420.04	2.750E-03	Pulse	0.20	3
K	39	45	1	1668.557	ug/l	1.79	11,195,766.91	4.211E+00	Analog	0.10	3
K	39	45	2	1771.172	ug/l	0.56	188,226.74	1.235E+00	Pulse	0.20	3
Ca	43	45	1	22122.156	ug/l	2.01	273,000.35	1.027E-01	Pulse	1.50	3
Ca	43	45	2	23368.657	ug/l	1.06	7,545.93	4.949E-02	Pulse	1.50	3
Ca	44	45	1	22634.303	ug/l	2.01	4,383,922.95	1.649E+00	Analog	0.10	3
Ca	44	45	2	23228.480	ug/l	1.58	130,359.48	8.551E-01	Pulse	0.20	3
Ti	47	45	1	1.113	ug/l	7.29	663.37	2.494E-04	Pulse	0.10	3
Ti	47	45	2	0.260	ug/l	99.66	10.00	6.579E-05	Pulse	0.20	3
V	51	45	2	7.410	ug/l	0.77	8,604.02	5.643E-02	Pulse	0.20	3
Cr	52	45	2	2.944	ug/l	2.45	6,436.35	4.222E-02	Pulse	0.20	3
Mn	55	45	2	67.066	ug/l	2.56	51,970.09	3.409E-01	Pulse	0.20	3
Fe	56	45	2	12.833	ug/l	1.97	16,425.13	1.077E-01	Pulse	0.20	3
Co	59	45	2	0.284	ug/l	12.34	658.36	4.320E-03	Pulse	0.20	3
Ni	60	45	2	0.571	ug/l	12.77	458.35	3.007E-03	Pulse	0.20	3
Cu	63	45	2	1.164	ug/l	5.17	1,756.80	1.152E-02	Pulse	0.20	3
Cu	65	45	2	1.184	ug/l	9.16	900.04	5.904E-03	Pulse	0.20	3
Zn	66	45	2	1.550	ug/l	22.23	460.02	3.019E-03	Pulse	0.20	3
As	75	45	2	2.696	ug/l	13.32	439.34	2.884E-03	Pulse	0.50	3
Se	78	45	2	-0.348	ug/l	-33.56	14.33	9.408E-05	Pulse	1.00	3
Se	78	45	3	0.088	ug/l	105.64	5.33	1.992E-05	Pulse	1.00	3
Sr	88	45	1	199.716	ug/l	1.24	2,118,523.61	7.968E-01	Analog	0.10	3
Mo	95	103	1	7.023	ug/l	3.36	14,346.95	4.059E-03	Pulse	0.10	3
Ag	107	115	1	0.019	ug/l	49.17	200.01	4.922E-05	Pulse	0.10	3
Cd	111	115	1	0.129	ug/l	48.80	146.67	3.620E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.141	ug/l	13.43	62.67	6.083E-05	Pulse	0.25	3
Sn	117	115	1	0.234	ug/l	16.35	323.35	7.966E-05	Pulse	0.10	3
Sn	118	115	1	0.205	ug/l	17.77	916.73	2.258E-04	Pulse	0.10	3
Sn	118	115	2	0.308	ug/l	23.49	383.36	3.726E-04	Pulse	0.10	3
Sn	119	115	1	0.150	ug/l	18.16	506.70	1.247E-04	Pulse	0.10	3
Sb	121	159	1	0.241	ug/l	10.14	1,196.77	1.888E-04	Pulse	0.10	3
Ba	137	159	1	187.182	ug/l	2.45	337,997.02	5.333E-02	Pulse	0.10	3
Tl	205	209	1	0.230	ug/l	5.90	2,440.31	7.158E-04	Pulse	0.10	3
Pb	208	209	1	3.283	ug/l	1.77	39,972.80	1.172E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,288,204.78	0.98	72.9	Analog	0.10	3
1	Sc	45	2,658,948.61	0.85	78.0	Analog	0.10	3
2	Sc	45	152,463.68	0.96	79.1	Pulse	0.10	3
3	Sc	45	268,186.46	0.67	89.4	Pulse	0.10	3
1	Ge	72	595,124.33	1.46	88.3	Pulse	0.10	3
2	Ge	72	99,154.50	0.43	85.8	Pulse	0.10	3
3	Ge	72	137,902.65	0.19	93.2	Pulse	0.10	3
1	Rh	103	3,533,892.76	1.17	86.1	Analog	0.10	3
2	Rh	103	2,121,198.77	0.59	82.6	Analog	0.10	3
1	In	115	4,062,053.04	0.95	96.3	Analog	0.10	3
2	In	115	1,029,879.30	0.74	84.7	Pulse	0.10	3
1	Tb	159	6,338,879.91	1.10	105.7	Analog	0.10	3
2	Tb	159	3,756,467.03	0.42	94.7	Analog	0.10	3
1	Ho	165	6,039,816.16	1.06	107.7	Analog	0.10	3
2	Ho	165	3,679,691.82	0.61	96.5	Analog	0.10	3
1	Bi	209	3,409,890.68	0.89	104.0	Analog	0.10	3
2	Bi	209	2,383,280.33	0.54	93.5	Analog	0.10	3

Quantitation Report

File Name	098SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 22:49
Sample Name	jb24613-4
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	9.086	ug/l	3.48	9,281.31	7.435E-03	Pulse	0.25	3
B	11	6	1	38.536	ug/l	2.46	33,012.64	2.644E-02	Pulse	0.15	3
Na	23	45	1	38778.201	ug/l	0.90	174,267,357.40	6.941E+01	Analog	0.10	3
Na	23	45	2	43811.984	ug/l	0.88	7,282,323.44	5.195E+01	Analog	0.20	3
Mg	24	45	1	18719.819	ug/l	1.94	57,306,630.81	2.283E+01	Analog	0.10	3
Mg	24	45	2	21141.208	ug/l	1.11	1,826,377.94	1.303E+01	Analog	0.20	3
Al	27	45	1	21180.713	ug/l	0.84	87,729,332.03	3.494E+01	Analog	0.10	3
Al	27	45	2	22416.897	ug/l	0.72	758,795.25	5.413E+00	Pulse	0.20	3
K	39	45	1	1159.264	ug/l	0.71	7,598,817.59	3.027E+00	Analog	0.10	3
K	39	45	2	1230.719	ug/l	1.39	122,215.34	8.718E-01	Pulse	0.20	3
Ca	43	45	1	48912.180	ug/l	0.41	569,890.81	2.270E-01	Pulse	1.50	3
Ca	43	45	2	51306.355	ug/l	0.82	15,232.68	1.087E-01	Pulse	1.50	3
Ca	44	45	1	50277.201	ug/l	1.19	9,193,455.28	3.662E+00	Analog	0.10	3
Ca	44	45	2	50996.143	ug/l	0.15	263,159.64	1.877E+00	Pulse	0.20	3
Ti	47	45	1	1.693	ug/l	10.61	930.09	3.705E-04	Pulse	0.10	3
Ti	47	45	2	0.798	ug/l	83.16	28.34	2.017E-04	Pulse	0.20	3
V	51	45	2	1.490	ug/l	7.42	1,775.13	1.266E-02	Pulse	0.20	3
Cr	52	45	2	3.315	ug/l	6.03	6,398.03	4.564E-02	Pulse	0.20	3
Mn	55	45	2	4510.411	ug/l	1.01	3,213,527.97	2.292E+01	Analog	0.20	3
Fe	56	45	2	214.912	ug/l	0.47	224,542.66	1.602E+00	Pulse	0.20	3
Co	59	45	2	121.961	ug/l	1.22	236,035.38	1.684E+00	Pulse	0.20	3
Ni	60	45	2	43.415	ug/l	0.73	22,292.06	1.590E-01	Pulse	0.20	3
Cu	63	45	2	23.507	ug/l	0.95	31,498.81	2.247E-01	Pulse	0.20	3
Cu	65	45	2	24.188	ug/l	2.54	16,068.10	1.146E-01	Pulse	0.20	3
Zn	66	45	2	160.130	ug/l	1.37	35,866.26	2.558E-01	Pulse	0.20	3
As	75	45	2	4.216	ug/l	6.94	626.69	4.469E-03	Pulse	0.50	3
Se	78	45	2	10.844	ug/l	24.89	160.00	1.142E-03	Pulse	1.00	3
Se	78	45	3	1.286	ug/l	22.48	55.33	2.166E-04	Pulse	1.00	3
Sr	88	45	1	310.599	ug/l	1.61	3,110,919.64	1.239E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.100	ug/l	21.26	320.02	9.072E-05	Pulse	0.10	3
Ag	107	115	1	0.000	ug/l	1731.86	110.00	2.694E-05	Pulse	0.10	3
Cd	111	115	1	73.897	ug/l	0.94	76,370.82	1.871E-02	Pulse	0.25	3
Cd	111	115	2	78.360	ug/l	1.06	32,661.78	3.257E-02	Pulse	0.25	3
Sn	117	115	1	0.116	ug/l	20.75	206.68	5.067E-05	Pulse	0.10	3
Sn	118	115	1	0.147	ug/l	25.76	736.72	1.804E-04	Pulse	0.10	3
Sn	118	115	2	0.155	ug/l	26.06	223.34	2.226E-04	Pulse	0.10	3
Sn	119	115	1	0.644	ug/l	10.93	1,080.09	2.646E-04	Pulse	0.10	3
Sb	121	159	1	0.133	ug/l	23.01	820.05	1.277E-04	Pulse	0.10	3
Ba	137	159	1	20.645	ug/l	1.25	38,545.52	6.001E-03	Pulse	0.10	3
Tl	205	209	1	0.283	ug/l	7.07	3,050.44	8.531E-04	Pulse	0.10	3
Pb	208	209	1	0.767	ug/l	2.86	10,555.25	2.953E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,248,620.87	1.06	70.7	Analog	0.10	3
1	Sc	45	2,510,554.75	0.26	73.7	Analog	0.10	3
2	Sc	45	140,196.14	0.59	72.7	Pulse	0.10	3
3	Sc	45	255,344.46	0.51	85.1	Pulse	0.10	3
1	Ge	72	571,972.85	1.43	84.9	Pulse	0.10	3
2	Ge	72	95,210.99	2.14	82.4	Pulse	0.10	3
3	Ge	72	134,864.44	0.95	91.2	Pulse	0.10	3
1	Rh	103	3,530,740.68	0.97	86.0	Analog	0.10	3
2	Rh	103	2,093,925.28	0.34	81.5	Analog	0.10	3
1	In	115	4,080,763.90	1.07	96.8	Analog	0.10	3
2	In	115	1,002,957.77	0.67	82.5	Pulse	0.10	3
1	Tb	159	6,423,895.94	0.73	107.1	Analog	0.10	3
2	Tb	159	3,761,449.21	0.50	94.8	Analog	0.10	3
1	Ho	165	6,121,358.45	0.98	109.1	Analog	0.10	3
2	Ho	165	3,672,395.15	0.63	96.3	Analog	0.10	3
1	Bi	209	3,574,741.40	0.77	109.0	Analog	0.10	3
2	Bi	209	2,452,091.32	0.25	96.2	Analog	0.10	3

Quantitation Report

File Name	099SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 22:54
Sample Name	jb24613-5
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	6.291	ug/l	4.02	5,650.36	5.165E-03	Pulse	0.25	3
B	11	6	1	102.118	ug/l	1.47	73,373.33	6.708E-02	Pulse	0.15	3
Na	23	45	1	208677.449	ug/l	2.66	925,330,386.21	3.732E+02	Analog	0.10	3
Na	23	45	2	244013.515	ug/l	1.25	41,148,699.39	2.891E+02	Analog	0.20	3
Mg	24	45	1	73959.215	ug/l	2.59	223,579,056.67	9.018E+01	Analog	0.10	3
Mg	24	45	2	84998.809	ug/l	1.00	7,454,058.22	5.238E+01	Analog	0.20	3
Al	27	45	1	620.814	ug/l	1.06	2,542,596.32	1.025E+00	Analog	0.10	3
Al	27	45	2	627.347	ug/l	2.30	21,597.52	1.517E-01	Pulse	0.20	3
K	39	45	1	3485.481	ug/l	2.09	20,915,654.27	8.436E+00	Analog	0.10	3
K	39	45	2	3628.013	ug/l	1.33	353,076.39	2.481E+00	Pulse	0.20	3
Ca	43	45	1	119035.220	ug/l	2.47	1,369,525.64	5.524E-01	Analog	1.50	3
Ca	43	45	2	127070.680	ug/l	1.11	38,298.03	2.691E-01	Pulse	1.50	3
Ca	44	45	1	124066.126	ug/l	1.70	22,401,904.67	9.035E+00	Analog	0.10	3
Ca	44	45	2	125551.233	ug/l	1.62	657,724.04	4.621E+00	Pulse	0.20	3
Ti	47	45	1	1.102	ug/l	18.06	613.37	2.471E-04	Pulse	0.10	3
Ti	47	45	2	0.598	ug/l	32.42	21.67	1.513E-04	Pulse	0.20	3
V	51	45	2	1.827	ug/l	7.87	2,160.19	1.515E-02	Pulse	0.20	3
Cr	52	45	2	1.710	ug/l	11.36	4,380.67	3.084E-02	Pulse	0.20	3
Mn	55	45	2	1486.889	ug/l	1.48	1,075,490.71	7.557E+00	Pulse	0.20	3
Fe	56	45	2	10998.307	ug/l	1.20	11,573,788.58	8.132E+01	Analog	0.20	3
Co	59	45	2	34.632	ug/l	1.53	68,082.33	4.784E-01	Pulse	0.20	3
Ni	60	45	2	39.103	ug/l	5.08	20,408.08	1.433E-01	Pulse	0.20	3
Cu	63	45	2	0.446	ug/l	8.19	663.36	4.665E-03	Pulse	0.20	3
Cu	65	45	2	0.383	ug/l	25.78	300.01	2.122E-03	Pulse	0.20	3
Zn	66	45	2	38.290	ug/l	1.59	8,765.82	6.159E-02	Pulse	0.20	3
As	75	45	2	4.322	ug/l	5.75	652.68	4.579E-03	Pulse	0.50	3
Se	78	45	2	8.644	ug/l	17.95	133.00	9.363E-04	Pulse	1.00	3
Se	78	45	3	1.253	ug/l	21.21	50.33	2.111E-04	Pulse	1.00	3
Sr	88	45	1	1230.964	ug/l	1.90	12,175,037.74	4.910E+00	Analog	0.10	3
Mo	95	103	1	1.426	ug/l	9.93	2,850.37	8.509E-04	Pulse	0.10	3
Ag	107	115	1	-0.003	ug/l	-235.74	90.00	2.280E-05	Pulse	0.10	3
Cd	111	115	1	0.146	ug/l	30.70	160.00	4.043E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.137	ug/l	14.98	57.33	5.906E-05	Pulse	0.25	3
Sn	117	115	1	2.057	ug/l	3.15	2,083.55	5.272E-04	Pulse	0.10	3
Sn	118	115	1	2.113	ug/l	4.24	6,808.39	1.722E-03	Pulse	0.10	3
Sn	118	115	2	2.016	ug/l	5.29	1,980.20	2.045E-03	Pulse	0.10	3
Sn	119	115	1	1.830	ug/l	7.06	2,373.62	6.006E-04	Pulse	0.10	3
Sb	121	159	1	0.256	ug/l	20.03	1,260.11	1.975E-04	Pulse	0.10	3
Ba	137	159	1	25.096	ug/l	2.76	46,356.93	7.265E-03	Pulse	0.10	3
Tl	205	209	1	0.152	ug/l	8.24	1,753.51	5.182E-04	Pulse	0.10	3
Pb	208	209	1	0.701	ug/l	5.89	9,221.47	2.726E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,093,722.34	0.77	61.9	Analog	0.10	3
1	Sc	45	2,479,713.04	1.07	72.8	Analog	0.10	3
2	Sc	45	142,275.24	4.77	73.8	Pulse	0.10	3
3	Sc	45	238,004.62	1.40	79.3	Pulse	0.10	3
1	Ge	72	561,074.86	0.85	83.3	Pulse	0.10	3
2	Ge	72	92,811.10	3.69	80.3	Pulse	0.10	3
3	Ge	72	122,387.25	0.59	82.8	Pulse	0.10	3
1	Rh	103	3,351,266.72	0.94	81.7	Analog	0.10	3
2	Rh	103	1,977,604.56	4.45	77.0	Analog	0.10	3
1	In	115	3,952,357.23	0.78	93.7	Analog	0.10	3
2	In	115	968,062.06	4.58	79.6	Pulse	0.10	3
1	Tb	159	6,380,792.41	0.35	106.4	Analog	0.10	3
2	Tb	159	3,660,782.34	4.88	92.3	Analog	0.10	3
1	Ho	165	6,065,943.45	0.41	108.1	Analog	0.10	3
2	Ho	165	3,587,555.15	4.87	94.1	Analog	0.10	3
1	Bi	209	3,383,524.33	0.39	103.2	Analog	0.10	3
2	Bi	209	2,272,966.16	4.94	89.1	Analog	0.10	3

Quantitation Report

File Name	100SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 22:59
Sample Name	jb24613-7
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	3.053	ug/l	5.31	2,502.89	2.535E-03	Pulse	0.25	3
B	11	6	1	124.384	ug/l	2.50	80,288.27	8.132E-02	Pulse	0.15	3
Na	23	45	1	779611.842	ug/l	1.87	3,305,299,364.08	1.394E+03	Analog	0.10	3
Na	23	45	2	938961.596	ug/l	2.40	151,797,454.40	1.112E+03	Analog	0.20	3
Mg	24	45	1	249377.583	ug/l	2.05	720,876,282.59	3.041E+02	Analog	0.10	3
Mg	24	45	2	297609.150	ug/l	1.76	25,028,774.63	1.834E+02	Analog	0.20	3
Al	27	45	1	114.239	ug/l	0.90	449,774.44	1.897E-01	Pulse	0.10	3
Al	27	45	2	125.445	ug/l	3.75	4,167.26	3.054E-02	Pulse	0.20	3
K	39	45	1	1366.810	ug/l	1.49	8,319,677.59	3.509E+00	Analog	0.10	3
K	39	45	2	1496.430	ug/l	2.10	143,317.27	1.050E+00	Pulse	0.20	3
Ca	43	45	1	345912.767	ug/l	1.74	3,805,479.78	1.605E+00	Analog	1.50	3
Ca	43	45	2	377668.078	ug/l	2.07	109,148.17	7.998E-01	Pulse	1.50	3
Ca	44	45	1	358608.790	ug/l	1.78	61,910,940.74	2.611E+01	Analog	0.10	3
Ca	44	45	2	364116.440	ug/l	1.43	1,829,117.89	1.340E+01	Analog	0.20	3
Ti	47	45	1	1.824	ug/l	10.91	943.40	3.978E-04	Pulse	0.10	3
Ti	47	45	2	0.290	ug/l	2.46	10.00	7.328E-05	Pulse	0.20	3
V	51	45	2	1.074	ug/l	14.61	1,308.41	9.586E-03	Pulse	0.20	3
Cr	52	45	2	2.049	ug/l	7.41	4,635.74	3.396E-02	Pulse	0.20	3
Mn	55	45	2	26922.976	ug/l	2.30	18,672,047.64	1.368E+02	Analog	0.20	3
Fe	56	45	2	44700.621	ug/l	2.41	45,097,449.33	3.305E+02	Analog	0.20	3
Co	59	45	2	191.523	ug/l	2.81	360,745.51	2.644E+00	Pulse	0.20	3
Ni	60	45	2	107.505	ug/l	1.90	53,552.06	3.924E-01	Pulse	0.20	3
Cu	63	45	2	0.750	ug/l	12.64	1,031.72	7.566E-03	Pulse	0.20	3
Cu	65	45	2	0.768	ug/l	6.87	538.35	3.940E-03	Pulse	0.20	3
Zn	66	45	2	7.959	ug/l	9.26	1,806.80	1.324E-02	Pulse	0.20	3
As	75	45	2	3.399	ug/l	3.91	494.01	3.617E-03	Pulse	0.50	3
Se	78	45	2	3.467	ug/l	27.25	61.67	4.514E-04	Pulse	1.00	3
Se	78	45	3	0.690	ug/l	21.50	28.00	1.188E-04	Pulse	1.00	3
Sr	88	45	1	2905.376	ug/l	2.04	27,476,616.26	1.159E+01	Analog	0.10	3
Mo	95	103	1	1.546	ug/l	20.29	2,713.67	9.195E-04	Pulse	0.10	3
Ag	107	115	1	0.006	ug/l	169.64	116.67	3.362E-05	Pulse	0.10	3
Cd	111	115	1	0.035	ug/l	8.04	42.67	1.229E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.061	ug/l	17.31	24.00	2.736E-05	Pulse	0.25	3
Sn	117	115	1	0.117	ug/l	40.97	176.67	5.090E-05	Pulse	0.10	3
Sn	118	115	1	0.155	ug/l	37.90	646.71	1.864E-04	Pulse	0.10	3
Sn	118	115	2	0.179	ug/l	37.47	216.68	2.467E-04	Pulse	0.10	3
Sn	119	115	1	0.496	ug/l	13.25	773.38	2.226E-04	Pulse	0.10	3
Sb	121	159	1	0.240	ug/l	7.88	1,060.08	1.885E-04	Pulse	0.10	3
Ba	137	159	1	24.780	ug/l	3.59	40,356.74	7.176E-03	Pulse	0.10	3
Tl	205	209	1	0.162	ug/l	17.71	1,560.15	5.442E-04	Pulse	0.10	3
Pb	208	209	1	1.212	ug/l	5.31	12,926.04	4.507E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	987,341.97	0.25	55.9	Pulse	0.10	3
1	Sc	45	2,370,699.02	0.37	69.6	Analog	0.10	3
2	Sc	45	136,517.57	2.50	70.8	Pulse	0.10	3
3	Sc	45	235,997.27	1.07	78.7	Pulse	0.10	3
1	Ge	72	501,007.72	0.61	74.4	Pulse	0.10	3
2	Ge	72	82,478.56	0.27	71.3	Pulse	0.10	3
3	Ge	72	115,406.85	1.99	78.0	Pulse	0.10	3
1	Rh	103	2,953,662.66	0.77	72.0	Analog	0.10	3
2	Rh	103	1,743,531.07	0.71	67.9	Analog	0.10	3
1	In	115	3,472,813.81	0.68	82.3	Analog	0.10	3
2	In	115	876,448.88	1.30	72.1	Pulse	0.10	3
1	Tb	159	5,625,022.63	0.70	93.8	Analog	0.10	3
2	Tb	159	3,298,730.57	0.76	83.1	Analog	0.10	3
1	Ho	165	5,418,252.21	0.52	96.6	Analog	0.10	3
2	Ho	165	3,235,670.27	0.19	84.9	Analog	0.10	3
1	Bi	209	2,868,672.36	0.64	87.5	Analog	0.10	3
2	Bi	209	1,919,722.26	0.83	75.3	Analog	0.10	3

Quantitation Report

File Name	101SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 23:04
Sample Name	jb24613-8
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	37.325	ug/l	3.66	30,323.09	3.037E-02	Pulse	0.25	3
B	11	6	1	440.357	ug/l	3.22	282,914.62	2.833E-01	Pulse	0.15	3
Na	23	45	1	418141.400	ug/l	1.03	1,828,647,386.09	7.478E+02	Analog	0.10	3
Na	23	45	2	491498.872	ug/l	0.72	81,188,703.79	5.823E+02	Analog	0.20	3
Mg	24	45	1	99688.645	ug/l	0.97	297,233,682.24	1.216E+02	Analog	0.10	3
Mg	24	45	2	111346.654	ug/l	0.58	9,566,856.53	6.861E+01	Analog	0.20	3
Al	27	45	1	134923.840	ug/l	1.12	544,322,965.22	2.226E+02	Analog	0.10	3
Al	27	45	2	142044.832	ug/l	0.68	4,781,805.24	3.430E+01	Analog	0.20	3
K	39	45	1	10545.772	ug/l	1.03	60,774,159.10	2.485E+01	Analog	0.10	3
K	39	45	2	11240.851	ug/l	0.40	1,058,585.87	7.592E+00	Pulse	0.20	3
Ca	43	45	1	128784.302	ug/l	1.34	1,461,469.95	5.976E-01	Analog	1.50	3
Ca	43	45	2	141819.357	ug/l	0.57	41,876.17	3.003E-01	Pulse	1.50	3
Ca	44	45	1	133432.032	ug/l	1.58	23,763,355.48	9.717E+00	Analog	0.10	3
Ca	44	45	2	139706.984	ug/l	0.46	716,963.68	5.142E+00	Pulse	0.20	3
Ti	47	45	1	39.888	ug/l	3.41	20,406.78	8.343E-03	Pulse	0.10	3
Ti	47	45	2	37.873	ug/l	10.61	1,335.08	9.575E-03	Pulse	0.20	3
V	51	45	2	133.610	ug/l	0.71	137,989.67	9.897E-01	Pulse	0.20	3
Cr	52	45	2	66.044	ug/l	0.56	87,007.07	6.240E-01	Pulse	0.20	3
Mn	55	45	2	6640.391	ug/l	0.71	4,705,361.81	3.375E+01	Analog	0.20	3
Fe	56	45	2	278828.736	ug/l	0.56	287,409,309.05	2.061E+03	Analog	0.20	3
Co	59	45	2	243.448	ug/l	0.75	468,534.98	3.360E+00	Pulse	0.20	3
Ni	60	45	2	273.309	ug/l	0.13	138,884.59	9.961E-01	Pulse	0.20	3
Cu	63	45	2	3.303	ug/l	1.99	4,450.68	3.192E-02	Pulse	0.20	3
Cu	65	45	2	3.367	ug/l	1.88	2,261.86	1.622E-02	Pulse	0.20	3
Zn	66	45	2	344.126	ug/l	0.66	76,572.93	5.492E-01	Pulse	0.20	3
As	75	45	2	65.384	ug/l	1.78	9,517.50	6.826E-02	Pulse	0.50	3
Se	78	45	2	58.381	ug/l	2.70	780.02	5.594E-03	Pulse	1.00	3
Se	78	45	3	6.628	ug/l	12.54	269.33	1.093E-03	Pulse	1.00	3
Sr	88	45	1	1380.526	ug/l	0.97	13,466,899.38	5.507E+00	Analog	0.10	3
Mo	95	103	1	1.609	ug/l	5.82	2,943.73	9.556E-04	Pulse	0.10	3
Ag	107	115	1	0.018	ug/l	21.36	173.34	4.780E-05	Pulse	0.10	3
Cd	111	115	1	13.054	ug/l	1.70	12,003.37	3.309E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	13.122	ug/l	3.18	4,998.18	5.455E-03	Pulse	0.25	3
Sn	117	115	1	0.157	ug/l	12.33	220.01	6.065E-05	Pulse	0.10	3
Sn	118	115	1	0.251	ug/l	23.97	950.07	2.617E-04	Pulse	0.10	3
Sn	118	115	2	0.262	ug/l	22.44	300.01	3.275E-04	Pulse	0.10	3
Sn	119	115	1	0.145	ug/l	35.04	446.69	1.232E-04	Pulse	0.10	3
Sb	121	159	1	0.334	ug/l	15.01	1,503.46	2.414E-04	Pulse	0.10	3
Ba	137	159	1	17.833	ug/l	2.16	32,364.69	5.201E-03	Pulse	0.10	3
Tl	205	209	1	0.247	ug/l	4.84	2,343.62	7.609E-04	Pulse	0.10	3
Pb	208	209	1	13.875	ug/l	1.70	149,809.59	4.864E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	998,905.72	1.55	56.6	Mix	0.10	3
1	Sc	45	2,445,167.05	1.39	71.8	Analog	0.10	3
2	Sc	45	139,430.80	0.16	72.3	Pulse	0.10	3
3	Sc	45	246,460.21	0.05	82.1	Pulse	0.10	3
1	Ge	72	522,426.91	1.02	77.5	Pulse	0.10	3
2	Ge	72	95,617.51	0.85	82.7	Pulse	0.10	3
3	Ge	72	123,939.15	1.41	83.8	Pulse	0.10	3
1	Rh	103	3,079,968.81	0.59	75.0	Analog	0.10	3
2	Rh	103	1,870,574.35	0.38	72.8	Analog	0.10	3
1	In	115	3,627,580.50	0.64	86.0	Analog	0.10	3
2	In	115	916,240.03	0.26	75.3	Pulse	0.10	3
1	Tb	159	6,222,828.66	1.08	103.7	Analog	0.10	3
2	Tb	159	3,630,985.78	0.71	91.5	Analog	0.10	3
1	Ho	165	5,916,045.33	0.89	105.5	Analog	0.10	3
2	Ho	165	3,560,881.51	0.59	93.4	Analog	0.10	3
1	Bi	209	3,079,689.43	0.60	93.9	Analog	0.10	3
2	Bi	209	2,068,730.12	0.11	81.1	Analog	0.10	3

Quantitation Report

File Name	102SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 23:10
Sample Name	jb24613-9
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.528	ug/l	5.79	1,480.09	1.297E-03	Pulse	0.25	3
B	11	6	1	71.722	ug/l	1.12	54,398.12	4.765E-02	Pulse	0.15	3
Na	23	45	1	28833.502	ug/l	1.85	118,948,754.89	5.163E+01	Analog	0.10	3
Na	23	45	2	31618.077	ug/l	1.95	5,085,503.36	3.750E+01	Analog	0.20	3
Mg	24	45	1	8767.138	ug/l	1.20	24,629,961.30	1.069E+01	Analog	0.10	3
Mg	24	45	2	9572.444	ug/l	2.34	799,932.41	5.899E+00	Pulse	0.20	3
Al	27	45	1	8341.483	ug/l	1.52	31,707,201.19	1.376E+01	Analog	0.10	3
Al	27	45	2	8752.071	ug/l	1.48	286,611.35	2.113E+00	Pulse	0.20	3
K	39	45	1	3887.184	ug/l	1.13	21,587,535.51	9.370E+00	Analog	0.10	3
K	39	45	2	4098.577	ug/l	2.15	379,314.46	2.797E+00	Pulse	0.20	3
Ca	43	45	1	19722.158	ug/l	1.11	210,918.84	9.155E-02	Pulse	1.50	3
Ca	43	45	2	20498.475	ug/l	2.48	5,887.04	4.341E-02	Pulse	1.50	3
Ca	44	45	1	20378.565	ug/l	1.29	3,420,555.47	1.485E+00	Analog	0.10	3
Ca	44	45	2	20325.839	ug/l	2.39	101,464.77	7.482E-01	Pulse	0.20	3
Ti	47	45	1	21.994	ug/l	18.37	10,620.83	4.608E-03	Pulse	0.10	3
Ti	47	45	2	18.362	ug/l	6.08	630.04	4.642E-03	Pulse	0.20	3
V	51	45	2	1.973	ug/l	3.10	2,201.86	1.623E-02	Pulse	0.20	3
Cr	52	45	2	4.444	ug/l	3.17	7,603.57	5.604E-02	Pulse	0.20	3
Mn	55	45	2	1008.926	ug/l	2.34	695,315.01	5.128E+00	Pulse	0.20	3
Fe	56	45	2	712.306	ug/l	4.15	715,720.17	5.279E+00	Pulse	0.20	3
Co	59	45	2	22.206	ug/l	3.52	41,609.40	3.069E-01	Pulse	0.20	3
Ni	60	45	2	29.498	ug/l	0.90	14,695.10	1.083E-01	Pulse	0.20	3
Cu	63	45	2	21.525	ug/l	3.29	27,900.59	2.058E-01	Pulse	0.20	3
Cu	65	45	2	21.932	ug/l	2.49	14,094.58	1.039E-01	Pulse	0.20	3
Zn	66	45	2	120.721	ug/l	1.67	26,176.11	1.930E-01	Pulse	0.20	3
As	75	45	2	2.490	ug/l	4.56	362.01	2.669E-03	Pulse	0.50	3
Se	78	45	2	3.318	ug/l	6.95	59.33	4.374E-04	Pulse	1.00	3
Se	78	45	3	0.880	ug/l	9.10	38.00	1.500E-04	Pulse	1.00	3
Sr	88	45	1	128.681	ug/l	1.49	1,182,920.53	5.134E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.092	ug/l	29.22	290.01	8.585E-05	Pulse	0.10	3
Ag	107	115	1	0.006	ug/l	188.77	130.00	3.331E-05	Pulse	0.10	3
Cd	111	115	1	45.453	ug/l	0.67	44,817.94	1.151E-02	Pulse	0.25	3
Cd	111	115	2	46.680	ug/l	1.91	18,968.88	1.940E-02	Pulse	0.25	3
Sn	117	115	1	0.182	ug/l	21.52	260.01	6.687E-05	Pulse	0.10	3
Sn	118	115	1	0.193	ug/l	23.45	843.39	2.166E-04	Pulse	0.10	3
Sn	118	115	2	0.154	ug/l	24.41	216.68	2.217E-04	Pulse	0.10	3
Sn	119	115	1	0.154	ug/l	28.84	490.03	1.258E-04	Pulse	0.10	3
Sb	121	159	1	1.395	ug/l	2.22	5,261.08	8.438E-04	Pulse	0.10	3
Ba	137	159	1	32.236	ug/l	1.12	57,955.75	9.295E-03	Pulse	0.10	3
Tl	205	209	1	0.173	ug/l	10.99	1,983.55	5.718E-04	Pulse	0.10	3
Pb	208	209	1	32.355	ug/l	1.48	392,204.51	1.131E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,141,575.37	0.07	64.6	Analog	0.10	3
1	Sc	45	2,303,955.90	0.38	67.6	Analog	0.10	3
2	Sc	45	135,649.59	2.16	70.3	Pulse	0.10	3
3	Sc	45	253,325.48	0.91	84.4	Pulse	0.10	3
1	Ge	72	524,647.73	0.48	77.9	Pulse	0.10	3
2	Ge	72	88,684.57	1.50	76.7	Pulse	0.10	3
3	Ge	72	132,421.27	0.54	89.5	Pulse	0.10	3
1	Rh	103	3,376,569.95	0.50	82.3	Analog	0.10	3
2	Rh	103	2,079,452.05	0.20	81.0	Analog	0.10	3
1	In	115	3,892,930.95	1.20	92.3	Analog	0.10	3
2	In	115	977,713.41	0.45	80.4	Pulse	0.10	3
1	Tb	159	6,235,376.78	0.44	104.0	Analog	0.10	3
2	Tb	159	3,711,135.05	1.07	93.5	Analog	0.10	3
1	Ho	165	5,919,180.54	0.60	105.5	Analog	0.10	3
2	Ho	165	3,645,639.74	0.68	95.6	Analog	0.10	3
1	Bi	209	3,469,275.78	0.16	105.8	Analog	0.10	3
2	Bi	209	2,438,000.90	0.47	95.6	Analog	0.10	3

Quantitation Report

File Name	103SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 23:15
Sample Name	jb24613-10
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	5.254	ug/l	0.81	5,127.52	4.323E-03	Pulse	0.25	3
B	11	6	1	147.317	ug/l	0.64	113,841.12	9.598E-02	Pulse	0.15	3
Na	23	45	1	91122.373	ug/l	1.96	414,674,673.82	1.630E+02	Analog	0.10	3
Na	23	45	2	104851.720	ug/l	1.30	17,323,637.24	1.243E+02	Analog	0.20	3
Mg	24	45	1	10966.721	ug/l	1.84	34,017,425.32	1.337E+01	Analog	0.10	3
Mg	24	45	2	12492.311	ug/l	0.99	1,073,329.33	7.698E+00	Pulse	0.20	3
Al	27	45	1	5159.814	ug/l	1.67	21,657,204.68	8.514E+00	Analog	0.10	3
Al	27	45	2	5595.703	ug/l	1.51	188,389.23	1.351E+00	Pulse	0.20	3
K	39	45	1	2004.367	ug/l	1.87	12,698,249.81	4.992E+00	Analog	0.10	3
K	39	45	2	2167.010	ug/l	0.93	209,192.58	1.500E+00	Pulse	0.20	3
Ca	43	45	1	8373.228	ug/l	1.40	98,916.13	3.889E-02	Pulse	1.50	3
Ca	43	45	2	9012.273	ug/l	0.53	2,661.77	1.909E-02	Pulse	1.50	3
Ca	44	45	1	8772.725	ug/l	1.62	1,626,823.57	6.395E-01	Analog	0.10	3
Ca	44	45	2	8763.514	ug/l	2.20	44,985.90	3.227E-01	Pulse	0.20	3
Ti	47	45	1	3.057	ug/l	4.17	1,666.82	6.553E-04	Pulse	0.10	3
Ti	47	45	2	0.998	ug/l	62.96	35.00	2.523E-04	Pulse	0.20	3
V	51	45	2	1.899	ug/l	2.20	2,186.85	1.568E-02	Pulse	0.20	3
Cr	52	45	2	3.049	ug/l	0.64	6,021.21	4.318E-02	Pulse	0.20	3
Mn	55	45	2	650.707	ug/l	1.57	461,083.72	3.307E+00	Pulse	0.20	3
Fe	56	45	2	4003.520	ug/l	1.34	4,128,150.25	2.961E+01	Analog	0.20	3
Co	59	45	2	42.892	ug/l	2.18	82,580.49	5.924E-01	Pulse	0.20	3
Ni	60	45	2	55.341	ug/l	1.23	28,224.56	2.024E-01	Pulse	0.20	3
Cu	63	45	2	12.705	ug/l	1.13	16,957.34	1.216E-01	Pulse	0.20	3
Cu	65	45	2	13.065	ug/l	1.79	8,650.76	6.204E-02	Pulse	0.20	3
Zn	66	45	2	179.753	ug/l	2.47	40,030.78	2.871E-01	Pulse	0.20	3
As	75	45	2	1.084	ug/l	22.12	167.33	1.203E-03	Pulse	0.50	3
Se	78	45	2	2.658	ug/l	13.85	52.33	3.756E-04	Pulse	1.00	3
Se	78	45	3	0.673	ug/l	10.98	29.00	1.160E-04	Pulse	1.00	3
Sr	88	45	1	76.402	ug/l	1.87	775,613.09	3.049E-01	Pulse	0.10	3
Mo	95	103	1	0.030	ug/l	93.04	176.68	5.028E-05	Pulse	0.10	3
Ag	107	115	1	0.006	ug/l	75.56	133.34	3.349E-05	Pulse	0.10	3
Cd	111	115	1	41.554	ug/l	0.58	41,895.34	1.053E-02	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	43.159	ug/l	4.35	17,723.39	1.794E-02	Pulse	0.25	3
Sn	117	115	1	0.087	ug/l	49.56	173.34	4.357E-05	Pulse	0.10	3
Sn	118	115	1	0.136	ug/l	12.27	683.38	1.717E-04	Pulse	0.10	3
Sn	118	115	2	0.106	ug/l	29.25	173.34	1.754E-04	Pulse	0.10	3
Sn	119	115	1	0.082	ug/l	54.75	420.02	1.055E-04	Pulse	0.10	3
Sb	121	159	1	0.176	ug/l	20.89	936.74	1.518E-04	Pulse	0.10	3
Ba	137	159	1	19.464	ug/l	2.63	34,946.86	5.665E-03	Pulse	0.10	3
Tl	205	209	1	0.331	ug/l	1.65	3,277.17	9.745E-04	Pulse	0.10	3
Pb	208	209	1	3.015	ug/l	1.30	36,285.11	1.079E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,186,176.63	1.29	67.2	Analog	0.10	3
1	Sc	45	2,543,984.60	0.79	74.7	Analog	0.10	3
2	Sc	45	139,441.12	1.82	72.3	Pulse	0.10	3
3	Sc	45	250,216.15	1.28	83.4	Pulse	0.10	3
1	Ge	72	563,779.39	0.77	83.7	Pulse	0.10	3
2	Ge	72	92,126.48	1.45	79.7	Pulse	0.10	3
3	Ge	72	130,223.82	0.94	88.0	Pulse	0.10	3
1	Rh	103	3,514,057.45	1.01	85.6	Analog	0.10	3
2	Rh	103	2,076,634.40	0.44	80.8	Analog	0.10	3
1	In	115	3,980,510.69	0.40	94.4	Analog	0.10	3
2	In	115	988,130.89	0.60	81.3	Pulse	0.10	3
1	Tb	159	6,168,910.74	0.26	102.8	Analog	0.10	3
2	Tb	159	3,672,337.14	0.50	92.6	Analog	0.10	3
1	Ho	165	5,846,095.54	0.31	104.2	Analog	0.10	3
2	Ho	165	3,590,584.42	0.18	94.2	Analog	0.10	3
1	Bi	209	3,363,066.30	1.18	102.6	Analog	0.10	3
2	Bi	209	2,358,008.30	0.52	92.5	Analog	0.10	3

Quantitation Report

File Name	104SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 23:20
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.022	ug/l	-0.66	28.00	2.094E-05	Pulse	0.25	3
B	11	6	1	3.440	ug/l	2.59	8,291.12	6.199E-03	Pulse	0.15	3
Na	23	45	1	221.281	ug/l	4.16	2,270,387.05	8.608E-01	Analog	0.10	3
Na	23	45	2	197.560	ug/l	15.41	78,590.68	5.130E-01	Pulse	0.20	3
Mg	24	45	1	47.261	ug/l	3.55	305,890.94	1.160E-01	Pulse	0.10	3
Mg	24	45	2	39.420	ug/l	11.26	7,496.89	4.894E-02	Pulse	0.20	3
Al	27	45	1	29.135	ug/l	3.40	256,834.26	9.738E-02	Pulse	0.10	3
Al	27	45	2	24.515	ug/l	12.58	1,851.81	1.209E-02	Pulse	0.20	3
K	39	45	1	2.545	ug/l	18.96	904,382.43	3.429E-01	Pulse	0.10	3
K	39	45	2	5.296	ug/l	31.75	8,065.42	5.263E-02	Pulse	0.20	3
Ca	43	45	1	58.184	ug/l	5.76	1,505.63	5.709E-04	Pulse	1.50	3
Ca	43	45	2	46.544	ug/l	25.00	30.89	2.018E-04	Pulse	1.50	3
Ca	44	45	1	59.592	ug/l	6.64	24,736.22	9.379E-03	Pulse	0.10	3
Ca	44	45	2	51.359	ug/l	20.86	601.69	3.928E-03	Pulse	0.20	3
Ti	47	45	1	0.017	ug/l	31.50	63.33	2.401E-05	Pulse	0.10	3
Ti	47	45	2	0.022	ug/l	173.21	1.67	1.089E-05	Pulse	0.20	3
V	51	45	2	0.092	ug/l	11.48	460.02	3.001E-03	Pulse	0.20	3
Cr	52	45	2	-0.182	ug/l	-22.43	1,796.80	1.173E-02	Pulse	0.20	3
Mn	55	45	2	2.776	ug/l	10.45	4,334.02	2.828E-02	Pulse	0.20	3
Fe	56	45	2	41.876	ug/l	14.54	96,824.37	6.320E-01	Pulse	0.20	3
Co	59	45	2	0.064	ug/l	11.31	331.68	2.163E-03	Pulse	0.20	3
Ni	60	45	2	0.071	ug/l	4.67	221.68	1.446E-03	Pulse	0.20	3
Cu	63	45	2	0.034	ug/l	38.89	161.67	1.055E-03	Pulse	0.20	3
Cu	65	45	2	0.013	ug/l	74.01	66.67	4.346E-04	Pulse	0.20	3
Zn	66	45	2	0.179	ug/l	55.33	171.67	1.120E-03	Pulse	0.20	3
As	75	45	2	0.028	ug/l	95.76	20.00	1.302E-04	Pulse	0.50	3
Se	78	45	2	0.008	ug/l	2087.89	19.67	1.282E-04	Pulse	1.00	3
Se	78	45	3	0.033	ug/l	20.27	4.33	1.645E-05	Pulse	1.00	3
Sr	88	45	1	0.503	ug/l	2.18	10,960.78	4.156E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	-0.010	ug/l	-174.31	80.00	2.134E-05	Pulse	0.10	3
Ag	107	115	1	0.003	ug/l	92.24	140.01	3.365E-05	Pulse	0.10	3
Cd	111	115	1	0.042	ug/l	43.24	104.00	2.500E-05	Pulse	0.25	3
Cd	111	115	2	0.044	ug/l	77.29	41.33	3.838E-05	Pulse	0.25	3
Sn	117	115	1	-0.006	ug/l	-497.57	80.00	1.921E-05	Pulse	0.10	3
Sn	118	115	1	0.001	ug/l	988.80	276.68	6.649E-05	Pulse	0.10	3
Sn	118	115	2	0.000	ug/l	15432.52	76.67	7.137E-05	Pulse	0.10	3
Sn	119	115	1	-0.080	ug/l	-36.20	153.34	3.686E-05	Pulse	0.10	3
Sb	121	159	1	-0.006	ug/l	-118.68	283.35	4.552E-05	Pulse	0.10	3
Ba	137	159	1	-0.035	ug/l	-56.97	706.71	1.136E-04	Pulse	0.10	3
Tl	205	209	1	0.032	ug/l	10.13	1,026.74	2.940E-04	Pulse	0.10	3
Pb	208	209	1	-0.011	ug/l	-31.41	710.04	2.033E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,337,513.30	1.12	75.7	Analog	0.10	3
1	Sc	45	2,637,383.40	0.07	77.4	Analog	0.10	3
2	Sc	45	153,270.08	0.88	79.5	Pulse	0.10	3
3	Sc	45	263,411.53	0.65	87.8	Pulse	0.10	3
1	Ge	72	573,761.78	0.76	85.2	Pulse	0.10	3
2	Ge	72	96,136.48	1.09	83.2	Pulse	0.10	3
3	Ge	72	134,300.70	1.31	90.8	Pulse	0.10	3
1	Rh	103	3,757,311.72	0.34	91.6	Analog	0.10	3
2	Rh	103	2,259,036.95	0.25	87.9	Analog	0.10	3
1	In	115	4,161,475.75	0.12	98.7	Analog	0.10	3
2	In	115	1,074,667.24	0.54	88.4	Pulse	0.10	3
1	Tb	159	6,223,560.74	0.18	103.8	Analog	0.10	3
2	Tb	159	3,746,570.78	0.70	94.4	Analog	0.10	3
1	Ho	165	5,851,322.83	0.22	104.3	Analog	0.10	3
2	Ho	165	3,684,937.76	0.32	96.7	Analog	0.10	3
1	Bi	209	3,492,424.84	0.39	106.5	Analog	0.10	3
2	Bi	209	2,515,095.64	0.41	98.6	Analog	0.10	3

Quantitation Report

File Name	105SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 23:25
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	54.424	ug/l	0.74	113,930.76	8.845E-02	Pulse	0.25	3
B	11	6	1	57.955	ug/l	0.88	97,765.32	7.590E-02	Pulse	0.15	3
Na	23	45	1	5266.804	ug/l	0.80	46,967,094.30	1.891E+01	Analog	0.10	3
Na	23	45	2	5480.314	ug/l	1.31	1,877,691.28	1.303E+01	Analog	0.20	3
Mg	24	45	1	5158.655	ug/l	0.83	31,253,792.87	1.258E+01	Analog	0.10	3
Mg	24	45	2	5309.145	ug/l	1.38	942,997.48	6.543E+00	Pulse	0.20	3
Al	27	45	1	5017.939	ug/l	0.51	41,134,072.72	1.656E+01	Analog	0.10	3
Al	27	45	2	5041.843	ug/l	0.81	350,910.09	2.435E+00	Pulse	0.20	3
K	39	45	1	5137.239	ug/l	0.74	60,174,352.44	2.422E+01	Analog	0.10	3
K	39	45	2	5207.791	ug/l	1.66	1,014,253.35	7.038E+00	Pulse	0.20	3
Ca	43	45	1	5284.869	ug/l	0.38	121,919.95	4.908E-02	Pulse	1.50	3
Ca	43	45	2	5464.451	ug/l	2.35	3,335.89	2.315E-02	Pulse	1.50	3
Ca	44	45	1	5348.857	ug/l	0.77	1,937,000.86	7.797E-01	Analog	0.10	3
Ca	44	45	2	5366.422	ug/l	1.79	56,948.74	3.952E-01	Pulse	0.20	3
Ti	47	45	1	54.789	ug/l	2.69	56,861.62	2.289E-02	Pulse	0.10	3
Ti	47	45	2	55.126	ug/l	5.40	4,015.58	2.787E-02	Pulse	0.20	3
V	51	45	2	55.991	ug/l	2.74	119,563.30	8.297E-01	Pulse	0.20	3
Cr	52	45	2	55.840	ug/l	1.85	150,562.77	1.045E+00	Pulse	0.20	3
Mn	55	45	2	56.759	ug/l	2.52	83,139.43	5.770E-01	Pulse	0.20	3
Fe	56	45	2	5433.194	ug/l	1.47	11,578,691.08	8.035E+01	Analog	0.20	3
Co	59	45	2	55.466	ug/l	1.13	220,712.25	1.531E+00	Pulse	0.20	3
Ni	60	45	2	54.610	ug/l	0.58	57,450.16	3.986E-01	Pulse	0.20	3
Cu	63	45	2	55.132	ug/l	1.81	151,651.81	1.052E+00	Pulse	0.20	3
Cu	65	45	2	55.395	ug/l	1.60	75,486.23	5.238E-01	Pulse	0.20	3
Zn	66	45	2	56.931	ug/l	2.55	26,236.28	1.821E-01	Pulse	0.20	3
As	75	45	2	56.565	ug/l	0.89	17,014.27	1.181E-01	Pulse	0.50	3
Se	78	45	2	54.284	ug/l	0.52	1,483.74	1.029E-02	Pulse	1.00	3
Se	78	45	3	56.208	ug/l	0.47	4,614.00	1.845E-02	Pulse	1.00	3
Sr	88	45	1	65.350	ug/l	0.84	1,295,546.20	5.215E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	55.953	ug/l	0.63	221,845.10	6.418E-02	Pulse	0.10	3
Ag	107	115	1	50.476	ug/l	0.51	462,381.44	1.191E-01	Pulse	0.10	3
Cd	111	115	1	54.166	ug/l	1.70	106,538.82	2.743E-02	Pulse	0.25	3
Cd	111	115	2	56.274	ug/l	2.47	46,875.83	4.677E-02	Pulse	0.25	3
Sn	117	115	1	56.159	ug/l	0.31	107,190.46	2.760E-02	Pulse	0.10	3
Sn	118	115	1	56.299	ug/l	1.21	343,368.03	8.842E-02	Pulse	0.10	3
Sn	118	115	2	57.045	ug/l	2.24	112,007.91	1.118E-01	Pulse	0.10	3
Sn	119	115	1	56.134	ug/l	1.29	123,828.56	3.189E-02	Pulse	0.10	3
Sb	121	159	1	60.429	ug/l	1.08	407,505.18	6.861E-02	Pulse	0.10	3
Ba	137	159	1	53.085	ug/l	1.17	179,989.31	3.031E-02	Pulse	0.10	3
Tl	205	209	1	50.415	ug/l	2.30	849,478.32	2.575E-01	Pulse	0.10	3
Pb	208	209	1	55.236	ug/l	0.11	1,270,851.35	3.853E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,288,081.69	0.31	72.9	Analog	0.10	3
1	Sc	45	2,484,240.49	0.30	72.9	Analog	0.10	3
2	Sc	45	144,132.75	1.54	74.7	Pulse	0.10	3
3	Sc	45	250,116.55	0.78	83.4	Pulse	0.10	3
1	Ge	72	539,290.79	1.02	80.0	Pulse	0.10	3
2	Ge	72	90,863.60	0.13	78.6	Pulse	0.10	3
3	Ge	72	124,829.27	0.68	84.4	Pulse	0.10	3
1	Rh	103	3,456,280.68	0.94	84.2	Analog	0.10	3
2	Rh	103	2,125,707.63	0.16	82.8	Analog	0.10	3
1	In	115	3,883,364.35	0.46	92.1	Analog	0.10	3
2	In	115	1,002,105.07	0.55	82.4	Pulse	0.10	3
1	Tb	159	5,939,227.41	0.85	99.0	Analog	0.10	3
2	Tb	159	3,628,810.15	0.23	91.5	Analog	0.10	3
1	Ho	165	5,589,668.67	0.59	99.6	Analog	0.10	3
2	Ho	165	3,539,298.90	0.42	92.8	Analog	0.10	3
1	Bi	209	3,298,170.26	0.71	100.6	Analog	0.10	3
2	Bi	209	2,385,656.01	0.49	93.6	Analog	0.10	3

Quantitation Report

File Name	106SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 23:30
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.128	ug/l	11.60	354.68	2.644E-04	Pulse	0.25	3
B	11	6	1	3.148	ug/l	2.69	7,813.07	5.825E-03	Pulse	0.15	3
Na	23	45	1	60.688	ug/l	7.29	742,563.35	2.865E-01	Pulse	0.10	3
Na	23	45	2	53.758	ug/l	4.58	25,993.90	1.723E-01	Pulse	0.20	3
Mg	24	45	1	23.509	ug/l	7.90	150,484.28	5.806E-02	Pulse	0.10	3
Mg	24	45	2	18.813	ug/l	2.59	3,552.12	2.354E-02	Pulse	0.20	3
Al	27	45	1	18.275	ug/l	4.82	159,534.29	6.155E-02	Pulse	0.10	3
Al	27	45	2	13.793	ug/l	10.04	1,043.38	6.911E-03	Pulse	0.20	3
K	39	45	1	15.884	ug/l	12.76	1,049,576.52	4.049E-01	Pulse	0.10	3
K	39	45	2	15.086	ug/l	4.75	9,923.08	6.577E-02	Pulse	0.20	3
Ca	43	45	1	25.393	ug/l	8.02	690.91	2.666E-04	Pulse	1.50	3
Ca	43	45	2	24.961	ug/l	18.29	16.67	1.104E-04	Pulse	1.50	3
Ca	44	45	1	26.314	ug/l	7.82	11,748.02	4.533E-03	Pulse	0.10	3
Ca	44	45	2	19.620	ug/l	13.34	240.01	1.592E-03	Pulse	0.20	3
Ti	47	45	1	0.119	ug/l	54.96	173.34	6.686E-05	Pulse	0.10	3
Ti	47	45	2	0.239	ug/l	102.84	18.33	1.209E-04	Pulse	0.20	3
V	51	45	2	0.114	ug/l	9.21	501.69	3.325E-03	Pulse	0.20	3
Cr	52	45	2	-0.043	ug/l	-99.63	2,155.19	1.429E-02	Pulse	0.20	3
Mn	55	45	2	0.788	ug/l	13.66	1,218.40	8.072E-03	Pulse	0.20	3
Fe	56	45	2	18.945	ug/l	3.71	44,208.44	2.930E-01	Pulse	0.20	3
Co	59	45	2	0.105	ug/l	10.69	498.35	3.302E-03	Pulse	0.20	3
Ni	60	45	2	0.102	ug/l	43.16	251.68	1.670E-03	Pulse	0.20	3
Cu	63	45	2	0.132	ug/l	22.60	443.35	2.934E-03	Pulse	0.20	3
Cu	65	45	2	0.107	ug/l	17.59	200.01	1.326E-03	Pulse	0.20	3
Zn	66	45	2	0.081	ug/l	44.52	121.67	8.072E-04	Pulse	0.20	3
As	75	45	2	0.122	ug/l	23.98	49.33	3.268E-04	Pulse	0.50	3
Se	78	45	2	0.267	ug/l	43.35	26.67	1.766E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.154	ug/l	45.74	14.33	5.607E-05	Pulse	1.00	3
Sr	88	45	1	0.259	ug/l	12.52	5,707.92	2.203E-03	Pulse	0.10	3
Mo	95	103	1	0.211	ug/l	17.46	1,010.07	2.748E-04	Pulse	0.10	3
Ag	107	115	1	0.113	ug/l	16.94	1,180.10	2.923E-04	Pulse	0.10	3
Cd	111	115	1	0.111	ug/l	15.99	241.34	5.979E-05	Pulse	0.25	3
Cd	111	115	2	0.110	ug/l	30.14	98.67	9.339E-05	Pulse	0.25	3
Sn	117	115	1	0.224	ug/l	35.21	533.36	1.321E-04	Pulse	0.10	3
Sn	118	115	1	0.242	ug/l	13.55	1,796.84	4.448E-04	Pulse	0.10	3
Sn	118	115	2	0.254	ug/l	2.26	600.04	5.679E-04	Pulse	0.10	3
Sn	119	115	1	0.157	ug/l	30.04	690.04	1.709E-04	Pulse	0.10	3
Sb	121	159	1	0.160	ug/l	7.01	1,413.45	2.331E-04	Pulse	0.10	3
Ba	137	159	1	0.079	ug/l	52.69	1,080.09	1.782E-04	Pulse	0.10	3
Tl	205	209	1	0.453	ug/l	3.51	8,362.72	2.440E-03	Pulse	0.10	3
Pb	208	209	1	0.107	ug/l	0.78	3,530.33	1.030E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,341,300.01	0.42	75.9	Analog	0.10	3
1	Sc	45	2,591,912.46	0.30	76.1	Analog	0.10	3
2	Sc	45	150,882.59	1.03	78.2	Pulse	0.10	3
3	Sc	45	255,833.51	0.33	85.3	Pulse	0.10	3
1	Ge	72	561,831.14	0.80	83.4	Pulse	0.10	3
2	Ge	72	95,466.10	1.41	82.6	Pulse	0.10	3
3	Ge	72	130,658.16	1.30	88.3	Pulse	0.10	3
1	Rh	103	3,672,889.01	0.84	89.5	Analog	0.10	3
2	Rh	103	2,243,350.65	0.33	87.3	Analog	0.10	3
1	In	115	4,038,886.14	0.63	95.8	Analog	0.10	3
2	In	115	1,056,698.17	0.45	86.9	Pulse	0.10	3
1	Tb	159	6,064,498.66	0.72	101.1	Analog	0.10	3
2	Tb	159	3,701,547.03	0.36	93.3	Analog	0.10	3
1	Ho	165	5,736,362.21	0.92	102.3	Analog	0.10	3
2	Ho	165	3,602,081.93	0.44	94.5	Analog	0.10	3
1	Bi	209	3,427,854.95	0.98	104.6	Analog	0.10	3
2	Bi	209	2,469,708.14	0.08	96.9	Analog	0.10	3

Quantitation Report

File Name	107SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 23:36
Sample Name	CRI 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.646	ug/l	4.81	1,462.75	1.105E-03	Pulse	0.25	3
B	11	6	1	8.032	ug/l	2.06	15,981.17	1.207E-02	Pulse	0.15	3
Na	23	45	1	317.485	ug/l	0.67	3,113,726.62	1.205E+00	Analog	0.10	3
Na	23	45	2	329.918	ug/l	0.63	121,242.58	8.266E-01	Pulse	0.20	3
Mg	24	45	1	286.019	ug/l	0.80	1,804,313.05	6.982E-01	Analog	0.10	3
Mg	24	45	2	296.363	ug/l	0.57	53,626.45	3.656E-01	Pulse	0.20	3
Al	27	45	1	34.914	ug/l	0.81	300,938.02	1.165E-01	Pulse	0.10	3
Al	27	45	2	34.551	ug/l	10.96	2,483.58	1.693E-02	Pulse	0.20	3
K	39	45	1	279.349	ug/l	0.47	4,212,767.54	1.630E+00	Analog	0.10	3
K	39	45	2	288.039	ug/l	0.51	63,406.48	4.323E-01	Pulse	0.20	3
Ca	43	45	1	290.920	ug/l	1.88	7,057.05	2.731E-03	Pulse	1.50	3
Ca	43	45	2	289.764	ug/l	9.36	180.67	1.232E-03	Pulse	1.50	3
Ca	44	45	1	309.721	ug/l	2.12	118,373.43	4.581E-02	Pulse	0.10	3
Ca	44	45	2	307.052	ug/l	0.49	3,337.08	2.275E-02	Pulse	0.20	3
Ti	47	45	1	1.217	ug/l	4.39	1,356.77	5.250E-04	Pulse	0.10	3
Ti	47	45	2	1.078	ug/l	22.28	80.00	5.451E-04	Pulse	0.20	3
V	51	45	2	1.304	ug/l	5.15	3,070.35	2.093E-02	Pulse	0.20	3
Cr	52	45	2	1.173	ug/l	7.78	5,385.99	3.671E-02	Pulse	0.20	3
Mn	55	45	2	1.245	ug/l	13.83	1,863.48	1.271E-02	Pulse	0.20	3
Fe	56	45	2	41.266	ug/l	1.38	91,386.19	6.230E-01	Pulse	0.20	3
Co	59	45	2	0.710	ug/l	5.56	2,935.31	2.001E-02	Pulse	0.20	3
Ni	60	45	2	1.450	ug/l	5.35	1,685.12	1.149E-02	Pulse	0.20	3
Cu	63	45	2	1.328	ug/l	7.15	3,775.51	2.574E-02	Pulse	0.20	3
Cu	65	45	2	1.288	ug/l	5.54	1,831.80	1.249E-02	Pulse	0.20	3
Zn	66	45	2	3.331	ug/l	0.58	1,638.45	1.117E-02	Pulse	0.20	3
As	75	45	2	0.654	ug/l	17.23	210.67	1.437E-03	Pulse	0.50	3
Se	78	45	2	0.452	ug/l	9.22	31.00	2.114E-04	Pulse	1.00	3
Se	78	45	3	0.732	ug/l	1.49	62.67	2.456E-04	Pulse	1.00	3
Sr	88	45	1	6.745	ug/l	0.55	139,426.66	5.395E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.198	ug/l	9.47	5,047.67	1.407E-03	Pulse	0.10	3
Ag	107	115	1	0.635	ug/l	4.48	6,084.76	1.524E-03	Pulse	0.10	3
Cd	111	115	1	0.658	ug/l	3.89	1,344.08	3.367E-04	Pulse	0.25	3
Cd	111	115	2	0.687	ug/l	8.53	597.35	5.735E-04	Pulse	0.25	3
Sn	117	115	1	5.505	ug/l	7.24	10,880.89	2.726E-03	Pulse	0.10	3
Sn	118	115	1	5.495	ug/l	0.91	34,685.83	8.689E-03	Pulse	0.10	3
Sn	118	115	2	5.486	ug/l	6.74	11,264.40	1.081E-02	Pulse	0.10	3
Sn	119	115	1	5.590	ug/l	2.40	12,972.46	3.250E-03	Pulse	0.10	3
Sb	121	159	1	0.755	ug/l	4.75	5,397.83	9.090E-04	Pulse	0.10	3
Ba	137	159	1	1.188	ug/l	4.72	4,800.94	8.084E-04	Pulse	0.10	3
Tl	205	209	1	0.622	ug/l	3.39	11,107.92	3.307E-03	Pulse	0.10	3
Pb	208	209	1	0.629	ug/l	0.30	15,674.00	4.667E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,324,019.87	0.70	75.0	Analog	0.10	3
1	Sc	45	2,584,185.64	0.27	75.8	Analog	0.10	3
2	Sc	45	146,684.69	0.68	76.1	Pulse	0.10	3
3	Sc	45	255,230.91	1.77	85.1	Pulse	0.10	3
1	Ge	72	561,212.76	0.60	83.3	Pulse	0.10	3
2	Ge	72	94,393.83	1.54	81.6	Pulse	0.10	3
3	Ge	72	131,450.15	1.60	88.9	Pulse	0.10	3
1	Rh	103	3,584,820.36	0.82	87.4	Analog	0.10	3
2	Rh	103	2,201,502.21	0.82	85.7	Analog	0.10	3
1	In	115	3,991,975.90	0.11	94.7	Analog	0.10	3
2	In	115	1,041,892.28	0.56	85.7	Pulse	0.10	3
1	Tb	159	5,939,068.66	0.39	99.0	Analog	0.10	3
2	Tb	159	3,624,140.26	0.57	91.3	Analog	0.10	3
1	Ho	165	5,583,378.46	0.74	99.5	Analog	0.10	3
2	Ho	165	3,527,896.93	0.13	92.5	Analog	0.10	3
1	Bi	209	3,358,315.36	1.26	102.4	Analog	0.10	3
2	Bi	209	2,421,246.53	0.62	95.0	Analog	0.10	3

Quantitation Report

File Name	108SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 23:41
Sample Name	sampleconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.669	ug/l	9.18	1,508.09	1.142E-03	Pulse	0.25	3
B	11	6	1	7.687	ug/l	7.26	15,360.63	1.163E-02	Pulse	0.15	3
Na	23	45	1	304.562	ug/l	0.11	2,950,571.21	1.159E+00	Analog	0.10	3
Na	23	45	2	319.532	ug/l	0.81	117,810.06	8.020E-01	Pulse	0.20	3
Mg	24	45	1	283.081	ug/l	0.56	1,759,701.22	6.911E-01	Analog	0.10	3
Mg	24	45	2	291.149	ug/l	1.43	52,762.14	3.592E-01	Pulse	0.20	3
Al	27	45	1	30.884	ug/l	1.33	262,667.82	1.032E-01	Pulse	0.10	3
Al	27	45	2	30.639	ug/l	2.34	2,210.19	1.505E-02	Pulse	0.20	3
K	39	45	1	281.861	ug/l	0.72	4,180,915.46	1.642E+00	Analog	0.10	3
K	39	45	2	285.943	ug/l	1.30	63,087.03	4.295E-01	Pulse	0.20	3
Ca	43	45	1	289.151	ug/l	1.20	6,911.88	2.714E-03	Pulse	1.50	3
Ca	43	45	2	319.233	ug/l	5.89	199.34	1.357E-03	Pulse	1.50	3
Ca	44	45	1	304.784	ug/l	0.51	114,817.91	4.509E-02	Pulse	0.10	3
Ca	44	45	2	303.113	ug/l	9.04	3,298.73	2.246E-02	Pulse	0.20	3
Ti	47	45	1	1.204	ug/l	2.07	1,323.45	5.197E-04	Pulse	0.10	3
Ti	47	45	2	1.212	ug/l	28.93	90.00	6.127E-04	Pulse	0.20	3
V	51	45	2	1.345	ug/l	3.45	3,163.70	2.153E-02	Pulse	0.20	3
Cr	52	45	2	1.264	ug/l	4.92	5,637.74	3.838E-02	Pulse	0.20	3
Mn	55	45	2	0.988	ug/l	6.04	1,483.43	1.010E-02	Pulse	0.20	3
Fe	56	45	2	35.914	ug/l	1.55	79,893.79	5.439E-01	Pulse	0.20	3
Co	59	45	2	0.631	ug/l	1.72	2,616.93	1.781E-02	Pulse	0.20	3
Ni	60	45	2	1.466	ug/l	6.53	1,705.12	1.161E-02	Pulse	0.20	3
Cu	63	45	2	1.235	ug/l	2.36	3,523.78	2.399E-02	Pulse	0.20	3
Cu	65	45	2	1.347	ug/l	3.99	1,915.15	1.304E-02	Pulse	0.20	3
Zn	66	45	2	3.664	ug/l	2.59	1,796.80	1.223E-02	Pulse	0.20	3
As	75	45	2	0.738	ug/l	3.35	236.67	1.611E-03	Pulse	0.50	3
Se	78	45	2	0.632	ug/l	31.91	36.00	2.450E-04	Pulse	1.00	3
Se	78	45	3	0.636	ug/l	7.84	55.00	2.143E-04	Pulse	1.00	3
Sr	88	45	1	6.804	ug/l	1.22	138,586.19	5.442E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.196	ug/l	6.97	5,024.31	1.405E-03	Pulse	0.10	3
Ag	107	115	1	0.623	ug/l	3.66	5,884.65	1.496E-03	Pulse	0.10	3
Cd	111	115	1	0.682	ug/l	9.53	1,373.41	3.491E-04	Pulse	0.25	3
Cd	111	115	2	0.703	ug/l	8.05	609.35	5.865E-04	Pulse	0.25	3
Sn	117	115	1	5.640	ug/l	0.74	10,980.88	2.792E-03	Pulse	0.10	3
Sn	118	115	1	5.565	ug/l	2.92	34,602.24	8.798E-03	Pulse	0.10	3
Sn	118	115	2	5.643	ug/l	7.16	11,561.40	1.112E-02	Pulse	0.10	3
Sn	119	115	1	5.618	ug/l	0.88	12,842.39	3.265E-03	Pulse	0.10	3
Sb	121	159	1	0.713	ug/l	2.67	5,081.00	8.611E-04	Pulse	0.10	3
Ba	137	159	1	1.201	ug/l	10.54	4,817.61	8.162E-04	Pulse	0.10	3
Tl	205	209	1	0.564	ug/l	4.29	10,093.84	3.008E-03	Pulse	0.10	3
Pb	208	209	1	0.596	ug/l	3.69	14,893.48	4.439E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,320,706.79	1.04	74.8	Analog	0.10	3
1	Sc	45	2,546,445.69	0.60	74.7	Analog	0.10	3
2	Sc	45	146,903.89	0.40	76.2	Pulse	0.10	3
3	Sc	45	256,846.49	1.51	85.6	Pulse	0.10	3
1	Ge	72	556,459.86	0.55	82.6	Pulse	0.10	3
2	Ge	72	93,407.55	0.51	80.8	Pulse	0.10	3
3	Ge	72	129,468.03	0.88	87.5	Pulse	0.10	3
1	Rh	103	3,575,389.22	1.06	87.1	Analog	0.10	3
2	Rh	103	2,182,514.86	0.44	85.0	Analog	0.10	3
1	In	115	3,933,125.62	0.62	93.3	Analog	0.10	3
2	In	115	1,039,200.58	0.56	85.5	Pulse	0.10	3
1	Tb	159	5,899,601.16	0.76	98.4	Analog	0.10	3
2	Tb	159	3,592,658.90	0.70	90.6	Analog	0.10	3
1	Ho	165	5,579,405.96	0.54	99.5	Analog	0.10	3
2	Ho	165	3,498,003.91	0.31	91.8	Analog	0.10	3
1	Bi	209	3,355,416.10	0.79	102.4	Analog	0.10	3
2	Bi	209	2,401,447.00	0.34	94.2	Analog	0.10	3

Quantitation Report

File Name	109SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 23:46
Sample Name	mp68796-mb1 1
Sample Type	Sample
Comment	epa
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.014	ug/l	-53.76	42.67	3.301E-05	Pulse	0.25	3
B	11	6	1	2.378	ug/l	5.09	6,252.43	4.841E-03	Pulse	0.15	3
Na	23	45	1	14.018	ug/l	3.63	298,211.68	1.196E-01	Pulse	0.10	3
Na	23	45	2	18.020	ug/l	2.94	12,761.70	8.761E-02	Pulse	0.20	3
Mg	24	45	1	3.671	ug/l	2.40	24,151.42	9.686E-03	Pulse	0.10	3
Mg	24	45	2	3.928	ug/l	6.78	756.70	5.194E-03	Pulse	0.20	3
Al	27	45	1	3.603	ug/l	4.45	32,766.30	1.314E-02	Pulse	0.10	3
Al	27	45	2	3.511	ug/l	27.36	283.34	1.946E-03	Pulse	0.20	3
K	39	45	1	6.261	ug/l	8.56	898,190.14	3.602E-01	Pulse	0.10	3
K	39	45	2	6.418	ug/l	18.28	7,885.37	5.413E-02	Pulse	0.20	3
Ca	43	45	1	16.595	ug/l	3.47	461.12	1.849E-04	Pulse	1.50	3
Ca	43	45	2	17.275	ug/l	38.99	11.34	7.780E-05	Pulse	1.50	3
Ca	44	45	1	17.877	ug/l	3.36	8,239.06	3.304E-03	Pulse	0.10	3
Ca	44	45	2	18.498	ug/l	27.88	220.01	1.509E-03	Pulse	0.20	3
Ti	47	45	1	0.058	ug/l	69.20	103.34	4.148E-05	Pulse	0.10	3
Ti	47	45	2	0.113	ug/l	69.47	8.33	5.726E-05	Pulse	0.20	3
V	51	45	2	0.058	ug/l	8.69	363.34	2.495E-03	Pulse	0.20	3
Cr	52	45	2	-0.022	ug/l	-427.36	2,135.18	1.466E-02	Pulse	0.20	3
Mn	55	45	2	0.217	ug/l	22.33	330.01	2.267E-03	Pulse	0.20	3
Fe	56	45	2	4.506	ug/l	1.75	11,577.59	7.948E-02	Pulse	0.20	3
Co	59	45	2	-0.005	ug/l	-121.68	40.00	2.742E-04	Pulse	0.20	3
Ni	60	45	2	0.004	ug/l	12.42	140.00	9.612E-04	Pulse	0.20	3
Cu	63	45	2	0.218	ug/l	6.62	666.70	4.577E-03	Pulse	0.20	3
Cu	65	45	2	0.180	ug/l	1.66	293.34	2.014E-03	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	1.454	ug/l	14.21	755.03	5.183E-03	Pulse	0.20	3
As	75	45	2	0.014	ug/l	194.96	14.67	1.008E-04	Pulse	0.50	3
Se	78	45	2	0.093	ug/l	235.75	21.00	1.442E-04	Pulse	1.00	3
Se	78	45	3	0.088	ug/l	41.63	8.67	3.437E-05	Pulse	1.00	3
Sr	88	45	1	0.069	ug/l	6.25	1,723.50	6.911E-04	Pulse	0.10	3
Mo	95	103	1	0.001	ug/l	120.65	123.34	3.484E-05	Pulse	0.10	3
Ag	107	115	1	0.004	ug/l	134.58	143.34	3.674E-05	Pulse	0.10	3
Cd	111	115	1	0.000	ug/l	-1554.87	13.33	3.403E-06	Pulse	0.25	3
Cd	111	115	2	0.002	ug/l	232.24	4.00	3.874E-06	Pulse	0.25	3
Sn	117	115	1	0.066	ug/l	53.73	213.34	5.466E-05	Pulse	0.10	3
Sn	118	115	1	0.053	ug/l	3.90	580.03	1.483E-04	Pulse	0.10	3
Sn	118	115	2	0.062	ug/l	29.65	200.01	1.929E-04	Pulse	0.10	3
Sn	119	115	1	0.002	ug/l	769.25	326.68	8.347E-05	Pulse	0.10	3
Sb	121	159	1	0.014	ug/l	42.93	400.02	6.774E-05	Pulse	0.10	3
Ba	137	159	1	0.001	ug/l	862.20	790.05	1.338E-04	Pulse	0.10	3
Tl	205	209	1	0.049	ug/l	9.12	1,283.43	3.791E-04	Pulse	0.10	3
Pb	208	209	1	0.033	ug/l	6.49	1,720.11	5.082E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,291,526.82	0.60	73.1	Analog	0.10	3
1	Sc	45	2,493,612.93	0.33	73.2	Analog	0.10	3
2	Sc	45	145,656.44	0.42	75.5	Pulse	0.10	3
3	Sc	45	251,896.19	0.63	84.0	Pulse	0.10	3
1	Ge	72	547,893.81	0.06	81.3	Pulse	0.10	3
2	Ge	72	93,256.27	0.96	80.7	Pulse	0.10	3
3	Ge	72	129,001.10	0.38	87.2	Pulse	0.10	3
1	Rh	103	3,541,197.66	0.57	86.3	Analog	0.10	3
2	Rh	103	2,181,223.87	0.53	84.9	Analog	0.10	3
1	In	115	3,910,668.59	0.95	92.7	Analog	0.10	3
2	In	115	1,037,593.88	0.88	85.3	Pulse	0.10	3
1	Tb	159	5,904,980.12	1.08	98.4	Analog	0.10	3
2	Tb	159	3,621,105.05	0.93	91.3	Analog	0.10	3
1	Ho	165	5,560,495.75	0.53	99.1	Analog	0.10	3
2	Ho	165	3,514,143.28	0.31	92.2	Analog	0.10	3
1	Bi	209	3,384,714.85	0.85	103.2	Analog	0.10	3
2	Bi	209	2,425,165.70	0.51	95.1	Analog	0.10	3

Quantitation Report

File Name	110SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 23:51
Sample Name	mp68796-lc1
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	120.111	ug/l	2.09	248,186.06	1.951E-01	Pulse	0.25	3
B	11	6	1	2.251	ug/l	5.47	5,952.32	4.678E-03	Pulse	0.15	3
Na	23	45	1	2089.000	ug/l	0.67	18,616,088.89	7.541E+00	Analog	0.10	3
Na	23	45	2	2233.456	ug/l	2.20	752,628.03	5.337E+00	Pulse	0.20	3
Mg	24	45	1	2080.203	ug/l	0.88	12,525,533.56	5.074E+00	Analog	0.10	3
Mg	24	45	2	2212.803	ug/l	2.02	384,672.03	2.727E+00	Pulse	0.20	3
Al	27	45	1	106.372	ug/l	0.50	869,558.16	3.522E-01	Pulse	0.10	3
Al	27	45	2	108.029	ug/l	4.13	7,390.08	5.241E-02	Pulse	0.20	3
K	39	45	1	2072.893	ug/l	0.55	24,616,804.63	9.971E+00	Analog	0.10	3
K	39	45	2	2115.465	ug/l	1.89	407,066.10	2.886E+00	Pulse	0.20	3
Ca	43	45	1	2115.562	ug/l	1.17	48,546.02	1.966E-02	Pulse	1.50	3
Ca	43	45	2	2066.619	ug/l	2.32	1,235.16	8.758E-03	Pulse	1.50	3
Ca	44	45	1	2201.856	ug/l	0.63	793,391.03	3.214E-01	Pulse	0.10	3
Ca	44	45	2	2118.456	ug/l	1.86	22,016.47	1.561E-01	Pulse	0.20	3
Ti	47	45	1	0.059	ug/l	118.38	103.34	4.188E-05	Pulse	0.10	3
Ti	47	45	2	0.117	ug/l	90.80	8.33	5.927E-05	Pulse	0.20	3
V	51	45	2	124.745	ug/l	2.03	260,439.70	1.847E+00	Pulse	0.20	3
Cr	52	45	2	124.566	ug/l	2.25	326,083.82	2.312E+00	Pulse	0.20	3
Mn	55	45	2	123.906	ug/l	1.40	177,647.06	1.259E+00	Pulse	0.20	3
Fe	56	45	2	2302.952	ug/l	1.84	4,804,250.66	3.406E+01	Analog	0.20	3
Co	59	45	2	124.183	ug/l	1.52	483,557.82	3.428E+00	Pulse	0.20	3
Ni	60	45	2	122.066	ug/l	2.41	125,510.01	8.898E-01	Pulse	0.20	3
Cu	63	45	2	125.199	ug/l	2.00	336,995.31	2.389E+00	Pulse	0.20	3
Cu	65	45	2	126.408	ug/l	1.22	168,539.90	1.195E+00	Pulse	0.20	3
Zn	66	45	2	128.420	ug/l	1.82	57,830.26	4.100E-01	Pulse	0.20	3
As	75	45	2	125.768	ug/l	1.73	37,009.10	2.624E-01	Pulse	0.50	3
Se	78	45	2	235.287	ug/l	3.39	6,233.55	4.420E-02	Pulse	1.00	3
Se	78	45	3	231.580	ug/l	1.19	19,473.95	7.599E-02	Pulse	1.00	3
Sr	88	45	1	0.187	ug/l	0.48	4,024.00	1.630E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.010	ug/l	134.30	156.67	4.516E-05	Pulse	0.10	3
Ag	107	115	1	114.124	ug/l	0.40	1,037,238.42	2.692E-01	Pulse	0.10	3
Cd	111	115	1	120.676	ug/l	0.78	235,496.73	6.111E-02	Pulse	0.25	3
Cd	111	115	2	123.474	ug/l	0.76	102,424.18	1.026E-01	Pulse	0.25	3
Sn	117	115	1	0.048	ug/l	44.90	176.68	4.588E-05	Pulse	0.10	3
Sn	118	115	1	0.041	ug/l	45.19	500.03	1.298E-04	Pulse	0.10	3
Sn	118	115	2	0.057	ug/l	36.43	183.34	1.838E-04	Pulse	0.10	3
Sn	119	115	1	-0.052	ug/l	-56.23	203.34	5.274E-05	Pulse	0.10	3
Sb	121	159	1	136.074	ug/l	1.32	908,020.17	1.544E-01	Pulse	0.10	3
Ba	137	159	1	116.885	ug/l	1.73	391,380.15	6.657E-02	Pulse	0.10	3
Tl	205	209	1	111.107	ug/l	2.11	1,888,637.53	5.674E-01	Analog	0.10	3
Pb	208	209	1	118.102	ug/l	1.19	2,741,300.81	8.235E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,272,071.24	1.08	72.0	Analog	0.10	3
1	Sc	45	2,468,728.87	0.47	72.5	Analog	0.10	3
2	Sc	45	141,077.77	2.21	73.2	Pulse	0.10	3
3	Sc	45	256,306.81	1.39	85.4	Pulse	0.10	3
1	Ge	72	535,394.23	0.51	79.5	Pulse	0.10	3
2	Ge	72	90,383.85	1.01	78.2	Pulse	0.10	3
3	Ge	72	128,752.37	3.31	87.1	Pulse	0.10	3
1	Rh	103	3,469,775.99	0.06	84.5	Analog	0.10	3
2	Rh	103	2,111,752.57	0.58	82.2	Analog	0.10	3
1	In	115	3,853,380.86	0.48	91.4	Analog	0.10	3
2	In	115	998,030.70	0.39	82.1	Pulse	0.10	3
1	Tb	159	5,879,532.00	0.37	98.0	Analog	0.10	3
2	Tb	159	3,587,707.45	0.45	90.4	Analog	0.10	3
1	Ho	165	5,570,159.08	0.52	99.3	Analog	0.10	3
2	Ho	165	3,486,436.93	0.31	91.5	Analog	0.10	3
1	Bi	209	3,328,618.60	0.45	101.5	Analog	0.10	3
2	Bi	209	2,375,757.31	0.57	93.2	Analog	0.10	3

Quantitation Report

File Name	111SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/27/2012 23:56
Sample Name	mp68796-s1
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	129.406	ug/l	1.58	245,230.40	2.102E-01	Pulse	0.25	3
B	11	6	1	192.535	ug/l	2.66	289,283.76	2.480E-01	Pulse	0.15	3
Na	23	45	1	374568.125	ug/l	0.39	3,704,014,238.14	1.340E+03	Analog	0.10	3
Na	23	45	2	397807.412	ug/l	1.70	161,491,157.59	9.425E+02	Analog	0.20	3
Mg	24	45	1	180074.577	ug/l	0.72	1,214,181,075.24	4.391E+02	Analog	0.10	3
Mg	24	45	2	187683.635	ug/l	2.25	39,636,966.08	2.313E+02	Analog	0.20	3
Al	27	45	1	431.022	ug/l	1.22	3,936,045.46	1.423E+00	Analog	0.10	3
Al	27	45	2	427.720	ug/l	1.06	35,434.46	2.068E-01	Pulse	0.20	3
K	39	45	1	32324.029	ug/l	0.52	416,555,540.46	1.507E+02	Analog	0.10	3
K	39	45	2	32071.147	ug/l	2.16	7,387,124.06	4.311E+01	Analog	0.20	3
Ca	43	45	1	320568.500	ug/l	0.48	8,225,632.89	2.975E+00	Analog	1.50	3
Ca	43	45	2	324289.140	ug/l	1.99	235,358.07	1.373E+00	Pulse	1.50	3
Ca	44	45	1	330431.215	ug/l	0.63	133,060,668.02	4.812E+01	Analog	0.10	3
Ca	44	45	2	314236.312	ug/l	1.93	3,963,390.88	2.313E+01	Analog	0.20	3
Ti	47	45	1	24.384	ug/l	5.86	28,216.67	1.020E-02	Pulse	0.10	3
Ti	47	45	2	9.994	ug/l	6.21	866.71	5.053E-03	Pulse	0.20	3
V	51	45	2	126.511	ug/l	2.28	320,886.03	1.873E+00	Pulse	0.20	3
Cr	52	45	2	108.372	ug/l	1.78	345,009.61	2.014E+00	Pulse	0.20	3
Mn	55	45	2	167.209	ug/l	1.64	291,258.56	1.700E+00	Pulse	0.20	3
Fe	56	45	2	2598.635	ug/l	1.95	6,586,633.65	3.843E+01	Analog	0.20	3
Co	59	45	2	97.927	ug/l	1.16	463,243.00	2.703E+00	Pulse	0.20	3
Ni	60	45	2	95.061	ug/l	1.75	118,768.14	6.932E-01	Pulse	0.20	3
Cu	63	45	2	95.788	ug/l	1.59	313,194.22	1.828E+00	Pulse	0.20	3
Cu	65	45	2	96.643	ug/l	2.22	156,553.58	9.136E-01	Pulse	0.20	3
Zn	66	45	2	109.990	ug/l	2.04	60,203.79	3.513E-01	Pulse	0.20	3
As	75	45	2	113.909	ug/l	1.80	40,736.05	2.377E-01	Pulse	0.50	3
Se	78	45	2	193.209	ug/l	3.30	6,224.87	3.632E-02	Pulse	1.00	3
Se	78	45	3	200.023	ug/l	1.04	20,310.29	6.563E-02	Pulse	1.00	3
Sr	88	45	1	1210.921	ug/l	0.22	26,707,751.27	9.661E+00	Analog	0.10	3
Mo	95	103	1	5.171	ug/l	2.61	18,034.21	5.962E-03	Pulse	0.10	3
Ag	107	115	1	102.067	ug/l	0.39	844,271.63	2.407E-01	Pulse	0.10	3
Cd	111	115	1	108.478	ug/l	0.45	192,664.02	5.494E-02	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	104.891	ug/l	1.23	85,848.30	8.718E-02	Pulse	0.25	3
Sn	117	115	1	0.855	ug/l	3.04	1,550.15	4.421E-04	Pulse	0.10	3
Sn	118	115	1	0.843	ug/l	3.30	4,864.27	1.387E-03	Pulse	0.10	3
Sn	118	115	2	0.760	ug/l	8.21	1,533.47	1.560E-03	Pulse	0.10	3
Sn	119	115	1	0.882	ug/l	16.56	2,036.88	5.818E-04	Pulse	0.10	3
Sb	121	159	1	129.636	ug/l	1.70	819,211.96	1.471E-01	Pulse	0.10	3
Ba	137	159	1	410.369	ug/l	1.84	1,299,288.39	2.334E-01	Pulse	0.10	3
Tl	205	209	1	117.238	ug/l	0.88	1,641,604.14	5.987E-01	Analog	0.10	3
Pb	208	209	1	126.160	ug/l	0.83	2,411,384.23	8.797E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,166,328.43	1.39	66.0	Analog	0.10	3
1	Sc	45	2,764,615.79	3.11	81.1	Analog	0.10	3
2	Sc	45	171,346.78	2.87	88.8	Pulse	0.10	3
3	Sc	45	309,462.35	1.11	103.1	Pulse	0.10	3
1	Ge	72	526,500.37	1.84	78.1	Pulse	0.10	3
2	Ge	72	94,661.18	4.26	81.9	Pulse	0.10	3
3	Ge	72	139,651.69	1.50	94.4	Pulse	0.10	3
1	Rh	103	3,025,600.27	2.75	73.7	Analog	0.10	3
2	Rh	103	1,968,851.37	3.37	76.7	Analog	0.10	3
1	In	115	3,506,901.64	2.08	83.2	Analog	0.10	3
2	In	115	984,430.63	3.35	81.0	Pulse	0.10	3
1	Tb	159	5,568,242.21	2.54	92.8	Analog	0.10	3
2	Tb	159	3,641,864.95	3.14	91.8	Analog	0.10	3
1	Ho	165	5,300,195.96	2.62	94.5	Analog	0.10	3
2	Ho	165	3,541,993.39	3.27	92.9	Analog	0.10	3
1	Bi	209	2,741,458.50	2.56	83.6	Analog	0.10	3
2	Bi	209	2,065,213.36	2.82	81.0	Analog	0.10	3

Quantitation Report

File Name	112SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 0:01
Sample Name	mp68796-s2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	127.074	ug/l	0.56	283,525.44	2.064E-01	Pulse	0.25	3
B	11	6	1	191.370	ug/l	1.30	338,490.48	2.465E-01	Pulse	0.15	3
Na	23	45	1	362199.296	ug/l	0.86	4,208,742,017.29	1.295E+03	Analog	0.10	3
Na	23	45	2	397211.536	ug/l	2.25	173,041,190.76	9.411E+02	Analog	0.20	3
Mg	24	45	1	172594.731	ug/l	1.45	1,367,383,019.63	4.209E+02	Analog	0.10	3
Mg	24	45	2	187996.067	ug/l	2.72	42,599,527.70	2.317E+02	Analog	0.20	3
Al	27	45	1	468.297	ug/l	1.04	5,024,216.18	1.546E+00	Analog	0.10	3
Al	27	45	2	486.424	ug/l	4.18	43,222.65	2.351E-01	Pulse	0.20	3
K	39	45	1	30814.721	ug/l	0.96	466,664,219.71	1.436E+02	Analog	0.10	3
K	39	45	2	32602.628	ug/l	2.18	8,057,469.88	4.382E+01	Analog	0.20	3
Ca	43	45	1	304959.234	ug/l	1.39	9,194,816.45	2.830E+00	Analog	1.50	3
Ca	43	45	2	331105.176	ug/l	2.29	257,854.96	1.402E+00	Pulse	1.50	3
Ca	44	45	1	315536.962	ug/l	1.10	149,299,867.77	4.596E+01	Analog	0.10	3
Ca	44	45	2	319397.810	ug/l	2.00	4,323,297.23	2.351E+01	Analog	0.20	3
Ti	47	45	1	26.009	ug/l	1.81	35,328.99	1.088E-02	Pulse	0.10	3
Ti	47	45	2	13.044	ug/l	3.26	1,213.44	6.596E-03	Pulse	0.20	3
V	51	45	2	129.185	ug/l	1.66	351,618.68	1.912E+00	Pulse	0.20	3
Cr	52	45	2	110.449	ug/l	1.95	377,293.65	2.052E+00	Pulse	0.20	3
Mn	55	45	2	171.127	ug/l	1.85	319,835.85	1.739E+00	Pulse	0.20	3
Fe	56	45	2	2790.774	ug/l	2.14	7,589,421.55	4.128E+01	Analog	0.20	3
Co	59	45	2	100.326	ug/l	2.93	509,209.24	2.770E+00	Pulse	0.20	3
Ni	60	45	2	97.017	ug/l	2.79	130,070.42	7.074E-01	Pulse	0.20	3
Cu	63	45	2	97.540	ug/l	2.52	342,251.99	1.861E+00	Pulse	0.20	3
Cu	65	45	2	98.358	ug/l	2.75	170,948.36	9.298E-01	Pulse	0.20	3
Zn	66	45	2	117.931	ug/l	3.25	69,232.51	3.766E-01	Pulse	0.20	3
As	75	45	2	119.415	ug/l	1.96	45,812.06	2.491E-01	Pulse	0.50	3
Se	78	45	2	206.961	ug/l	3.43	7,149.92	3.889E-02	Pulse	1.00	3
Se	78	45	3	209.216	ug/l	1.25	21,731.13	6.865E-02	Pulse	1.00	3
Sr	88	45	1	1171.396	ug/l	1.97	30,360,704.55	9.346E+00	Analog	0.10	3
Mo	95	103	1	4.698	ug/l	4.70	19,579.23	5.420E-03	Pulse	0.10	3
Ag	107	115	1	98.216	ug/l	0.64	969,812.72	2.317E-01	Pulse	0.10	3
Cd	111	115	1	104.826	ug/l	0.37	222,247.20	5.309E-02	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	106.407	ug/l	1.45	96,097.00	8.844E-02	Pulse	0.25	3
Sn	117	115	1	0.853	ug/l	12.38	1,846.85	4.412E-04	Pulse	0.10	3
Sn	118	115	1	0.900	ug/l	3.90	6,184.76	1.477E-03	Pulse	0.10	3
Sn	118	115	2	0.911	ug/l	6.81	2,016.87	1.856E-03	Pulse	0.10	3
Sn	119	115	1	1.003	ug/l	9.53	2,723.67	6.505E-04	Pulse	0.10	3
Sb	121	159	1	122.600	ug/l	1.01	935,455.04	1.392E-01	Pulse	0.10	3
Ba	137	159	1	385.056	ug/l	1.39	1,472,113.36	2.190E-01	Analog	0.10	3
Tl	205	209	1	113.527	ug/l	0.76	1,892,832.16	5.798E-01	Analog	0.10	3
Pb	208	209	1	118.767	ug/l	0.33	2,703,809.13	8.282E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,373,419.91	1.04	77.8	Analog	0.10	3
1	Sc	45	3,248,917.35	0.81	95.4	Analog	0.10	3
2	Sc	45	183,910.61	1.83	95.4	Pulse	0.10	3
3	Sc	45	316,578.60	1.14	105.5	Pulse	0.10	3
1	Ge	72	612,305.93	0.23	90.9	Pulse	0.10	3
2	Ge	72	102,398.21	1.95	88.6	Pulse	0.10	3
3	Ge	72	144,193.77	0.28	97.5	Pulse	0.10	3
1	Rh	103	3,612,915.36	0.42	88.0	Analog	0.10	3
2	Rh	103	2,141,735.18	1.15	83.4	Analog	0.10	3
1	In	115	4,186,306.58	0.48	99.3	Analog	0.10	3
2	In	115	1,086,523.47	1.11	89.4	Pulse	0.10	3
1	Tb	159	6,722,189.69	1.05	112.1	Analog	0.10	3
2	Tb	159	4,013,963.17	1.33	101.2	Analog	0.10	3
1	Ho	165	6,385,054.49	0.83	113.8	Analog	0.10	3
2	Ho	165	3,912,222.75	1.44	102.6	Analog	0.10	3
1	Bi	209	3,264,729.22	0.31	99.6	Analog	0.10	3
2	Bi	209	2,256,595.85	0.73	88.5	Analog	0.10	3

Quantitation Report

File Name	113SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 0:07
Sample Name	mp68796-s3
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	114.252	ug/l	0.44	251,659.52	1.856E-01	Pulse	0.25	3
B	11	6	1	42.825	ug/l	2.38	76,678.39	5.656E-02	Pulse	0.15	3
Na	23	45	1	54708.048	ug/l	1.89	565,739,524.90	1.957E+02	Analog	0.10	3
Na	23	45	2	57816.960	ug/l	0.70	21,473,098.01	1.370E+02	Analog	0.20	3
Mg	24	45	1	108995.923	ug/l	1.58	768,268,735.22	2.658E+02	Analog	0.10	3
Mg	24	45	2	113311.143	ug/l	0.65	21,883,439.67	1.396E+02	Analog	0.20	3
Al	27	45	1	153.922	ug/l	1.47	1,471,549.72	5.091E-01	Analog	0.10	3
Al	27	45	2	149.938	ug/l	1.52	11,385.69	7.265E-02	Pulse	0.20	3
K	39	45	1	11186.844	ug/l	1.58	151,332,807.74	5.236E+01	Analog	0.10	3
K	39	45	2	11328.144	ug/l	0.70	2,390,725.28	1.526E+01	Analog	0.20	3
Ca	43	45	1	239697.264	ug/l	1.64	6,429,877.78	2.225E+00	Analog	1.50	3
Ca	43	45	2	251426.335	ug/l	0.50	166,875.72	1.065E+00	Pulse	1.50	3
Ca	44	45	1	248051.160	ug/l	1.83	104,420,318.44	3.613E+01	Analog	0.10	3
Ca	44	45	2	247391.689	ug/l	0.26	2,853,774.96	1.821E+01	Analog	0.20	3
Ti	47	45	1	4.372	ug/l	9.53	5,324.43	1.842E-03	Pulse	0.10	3
Ti	47	45	2	3.217	ug/l	19.98	255.01	1.627E-03	Pulse	0.20	3
V	51	45	2	115.954	ug/l	1.06	269,007.87	1.717E+00	Pulse	0.20	3
Cr	52	45	2	110.897	ug/l	0.16	322,836.24	2.060E+00	Pulse	0.20	3
Mn	55	45	2	426.948	ug/l	0.88	680,039.68	4.340E+00	Pulse	0.20	3
Fe	56	45	2	2677.033	ug/l	0.52	6,204,663.45	3.959E+01	Analog	0.20	3
Co	59	45	2	107.454	ug/l	0.63	464,877.86	2.966E+00	Pulse	0.20	3
Ni	60	45	2	102.704	ug/l	1.69	117,352.69	7.488E-01	Pulse	0.20	3
Cu	63	45	2	103.509	ug/l	0.89	309,560.77	1.975E+00	Pulse	0.20	3
Cu	65	45	2	104.132	ug/l	1.47	154,251.92	9.844E-01	Pulse	0.20	3
Zn	66	45	2	126.428	ug/l	0.18	63,258.50	4.037E-01	Pulse	0.20	3
As	75	45	2	112.925	ug/l	0.05	36,922.36	2.356E-01	Pulse	0.50	3
Se	78	45	2	208.230	ug/l	2.09	6,132.84	3.913E-02	Pulse	1.00	3
Se	78	45	3	205.065	ug/l	1.55	18,580.24	6.729E-02	Pulse	1.00	3
Sr	88	45	1	875.585	ug/l	1.80	20,190,896.37	6.986E+00	Analog	0.10	3
Mo	95	103	1	0.988	ug/l	8.89	4,154.05	1.166E-03	Pulse	0.10	3
Ag	107	115	1	99.624	ug/l	0.43	959,469.31	2.350E-01	Pulse	0.10	3
Cd	111	115	1	106.860	ug/l	0.47	220,976.19	5.412E-02	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	108.669	ug/l	1.68	94,045.04	9.032E-02	Pulse	0.25	3
Sn	117	115	1	0.447	ug/l	13.27	986.74	2.416E-04	Pulse	0.10	3
Sn	118	115	1	0.392	ug/l	13.01	2,777.02	6.802E-04	Pulse	0.10	3
Sn	118	115	2	0.462	ug/l	12.82	1,016.74	9.761E-04	Pulse	0.10	3
Sn	119	115	1	0.723	ug/l	15.26	2,006.89	4.915E-04	Pulse	0.10	3
Sb	121	159	1	121.136	ug/l	0.57	919,135.82	1.375E-01	Pulse	0.10	3
Ba	137	159	1	211.819	ug/l	1.02	805,738.19	1.205E-01	Pulse	0.10	3
Tl	205	209	1	109.957	ug/l	1.45	1,909,465.75	5.615E-01	Analog	0.10	3
Pb	208	209	1	113.373	ug/l	0.73	2,688,240.71	7.906E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,355,788.44	0.15	76.8	Analog	0.10	3
1	Sc	45	2,890,560.79	0.57	84.8	Analog	0.10	3
2	Sc	45	156,710.08	0.88	81.3	Pulse	0.10	3
3	Sc	45	276,148.52	0.69	92.0	Pulse	0.10	3
1	Ge	72	583,020.59	0.98	86.5	Pulse	0.10	3
2	Ge	72	95,982.38	2.58	83.0	Pulse	0.10	3
3	Ge	72	133,870.51	0.85	90.5	Pulse	0.10	3
1	Rh	103	3,563,331.61	0.21	86.8	Analog	0.10	3
2	Rh	103	2,135,977.05	0.77	83.2	Analog	0.10	3
1	In	115	4,083,120.75	0.55	96.8	Analog	0.10	3
2	In	115	1,041,447.44	2.38	85.6	Pulse	0.10	3
1	Tb	159	6,684,934.69	0.19	111.4	Analog	0.10	3
2	Tb	159	3,905,363.80	0.97	98.4	Analog	0.10	3
1	Ho	165	6,358,564.07	0.31	113.3	Analog	0.10	3
2	Ho	165	3,835,996.82	1.08	100.6	Analog	0.10	3
1	Bi	209	3,400,240.57	0.49	103.7	Analog	0.10	3
2	Bi	209	2,352,881.74	0.68	92.3	Analog	0.10	3

Quantitation Report

File Name	114SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 0:12
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.169	ug/l	3.95	528.02	3.304E-04	Pulse	0.25	3
B	11	6	1	2.294	ug/l	9.78	7,564.08	4.734E-03	Pulse	0.15	3
Na	23	45	1	344.427	ug/l	1.96	3,952,520.98	1.301E+00	Analog	0.10	3
Na	23	45	2	263.328	ug/l	12.40	117,156.05	6.688E-01	Pulse	0.20	3
Mg	24	45	1	221.563	ug/l	2.53	1,643,368.15	5.410E-01	Analog	0.10	3
Mg	24	45	2	165.919	ug/l	14.32	35,876.86	2.048E-01	Pulse	0.20	3
Al	27	45	1	1.720	ug/l	0.62	21,044.03	6.928E-03	Pulse	0.10	3
Al	27	45	2	1.216	ug/l	41.83	146.67	8.373E-04	Pulse	0.20	3
K	39	45	1	33.591	ug/l	1.54	1,480,100.97	4.873E-01	Analog	0.10	3
K	39	45	2	26.920	ug/l	15.20	14,306.41	8.166E-02	Pulse	0.20	3
Ca	43	45	1	407.326	ug/l	1.42	11,576.03	3.811E-03	Pulse	1.50	3
Ca	43	45	2	306.595	ug/l	12.21	228.23	1.303E-03	Pulse	1.50	3
Ca	44	45	1	432.949	ug/l	3.24	193,651.75	6.375E-02	Pulse	0.10	3
Ca	44	45	2	308.922	ug/l	12.79	4,008.94	2.289E-02	Pulse	0.20	3
Ti	47	45	1	0.033	ug/l	50.48	93.33	3.073E-05	Pulse	0.10	3
Ti	47	45	2	0.019	ug/l	173.21	1.67	9.536E-06	Pulse	0.20	3
V	51	45	2	0.324	ug/l	11.25	1,128.39	6.440E-03	Pulse	0.20	3
Cr	52	45	2	-0.198	ug/l	-16.31	2,000.16	1.141E-02	Pulse	0.20	3
Mn	55	45	2	0.398	ug/l	8.96	720.03	4.111E-03	Pulse	0.20	3
Fe	56	45	2	4.699	ug/l	13.61	14,421.70	8.233E-02	Pulse	0.20	3
Co	59	45	2	0.133	ug/l	13.50	715.03	4.082E-03	Pulse	0.20	3
Ni	60	45	2	0.101	ug/l	14.55	291.68	1.664E-03	Pulse	0.20	3
Cu	63	45	2	0.151	ug/l	16.38	578.36	3.301E-03	Pulse	0.20	3
Cu	65	45	2	0.162	ug/l	15.77	323.34	1.846E-03	Pulse	0.20	3
Zn	66	45	2	0.144	ug/l	64.64	176.67	1.007E-03	Pulse	0.20	3
As	75	45	2	0.146	ug/l	59.48	66.00	3.770E-04	Pulse	0.50	3
Se	78	45	2	0.270	ug/l	124.43	31.00	1.772E-04	Pulse	1.00	3
Se	78	45	3	0.258	ug/l	27.67	26.67	9.022E-05	Pulse	1.00	3
Sr	88	45	1	1.594	ug/l	2.94	39,049.20	1.286E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	-0.014	ug/l	-26.28	70.00	1.701E-05	Pulse	0.10	3
Ag	107	115	1	0.186	ug/l	2.14	2,096.89	4.644E-04	Pulse	0.10	3
Cd	111	115	1	0.186	ug/l	16.50	440.01	9.745E-05	Pulse	0.25	3
Cd	111	115	2	0.136	ug/l	27.14	141.33	1.153E-04	Pulse	0.25	3
Sn	117	115	1	0.021	ug/l	24.72	146.68	3.248E-05	Pulse	0.10	3
Sn	118	115	1	-0.002	ug/l	-723.84	280.01	6.203E-05	Pulse	0.10	3
Sn	118	115	2	0.023	ug/l	41.99	143.34	1.169E-04	Pulse	0.10	3
Sn	119	115	1	-0.079	ug/l	-10.02	170.01	3.765E-05	Pulse	0.10	3
Sb	121	159	1	0.321	ug/l	5.14	2,797.01	4.159E-04	Pulse	0.10	3
Ba	137	159	1	0.501	ug/l	2.78	2,813.71	4.184E-04	Pulse	0.10	3
Tl	205	209	1	0.537	ug/l	1.04	10,857.76	2.871E-03	Pulse	0.10	3
Pb	208	209	1	0.170	ug/l	8.29	5,543.99	1.466E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,597,920.60	0.37	90.5	Analog	0.10	3
1	Sc	45	3,037,406.41	0.08	89.1	Analog	0.10	3
2	Sc	45	175,237.50	0.78	90.9	Pulse	0.10	3
3	Sc	45	295,399.23	0.41	98.5	Pulse	0.10	3
1	Ge	72	641,196.20	0.45	95.2	Pulse	0.10	3
2	Ge	72	109,986.64	1.67	95.1	Pulse	0.10	3
3	Ge	72	149,063.74	1.89	100.8	Pulse	0.10	3
1	Rh	103	4,117,965.46	0.76	100.3	Analog	0.10	3
2	Rh	103	2,568,511.06	0.44	100.0	Analog	0.10	3
1	In	115	4,515,727.68	0.17	107.1	Analog	0.10	3
2	In	115	1,226,744.72	0.82	100.9	Pulse	0.10	3
1	Tb	159	6,725,446.36	0.28	112.1	Analog	0.10	3
2	Tb	159	4,214,839.21	0.19	106.2	Analog	0.10	3
1	Ho	165	6,369,503.03	0.66	113.5	Analog	0.10	3
2	Ho	165	4,101,692.54	0.10	107.6	Analog	0.10	3
1	Bi	209	3,782,265.47	0.50	115.4	Analog	0.10	3
2	Bi	209	2,769,714.23	0.02	108.6	Analog	0.10	3

Quantitation Report

File Name	115SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 0:17
Sample Name	fa7-1f
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.085	ug/l	7.29	254.67	1.937E-04	Pulse	0.25	3
B	11	6	1	175.236	ug/l	1.91	296,862.08	2.259E-01	Pulse	0.15	3
Na	23	45	1	365466.865	ug/l	1.30	3,780,444,743.67	1.307E+03	Analog	0.10	3
Na	23	45	2	379204.941	ug/l	2.52	144,328,431.18	8.985E+02	Analog	0.20	3
Mg	24	45	1	174705.566	ug/l	1.33	1,232,032,248.31	4.260E+02	Analog	0.10	3
Mg	24	45	2	180925.932	ug/l	3.19	35,813,610.30	2.230E+02	Analog	0.20	3
Al	27	45	1	236.962	ug/l	2.50	2,263,652.00	7.831E-01	Analog	0.10	3
Al	27	45	2	245.252	ug/l	4.84	19,063.39	1.187E-01	Pulse	0.20	3
K	39	45	1	28843.938	ug/l	0.76	388,842,780.87	1.345E+02	Analog	0.10	3
K	39	45	2	29536.411	ug/l	2.65	6,377,742.82	3.970E+01	Analog	0.20	3
Ca	43	45	1	305139.712	ug/l	0.64	8,189,247.11	2.832E+00	Analog	1.50	3
Ca	43	45	2	322040.430	ug/l	2.68	219,094.30	1.364E+00	Pulse	1.50	3
Ca	44	45	1	315083.355	ug/l	1.01	132,712,268.02	4.589E+01	Analog	0.10	3
Ca	44	45	2	311746.119	ug/l	2.49	3,686,219.01	2.295E+01	Analog	0.20	3
Ti	47	45	1	22.856	ug/l	1.37	27,647.30	9.559E-03	Pulse	0.10	3
Ti	47	45	2	7.906	ug/l	8.14	641.69	3.998E-03	Pulse	0.20	3
V	51	45	2	12.306	ug/l	2.77	29,498.25	1.836E-01	Pulse	0.20	3
Cr	52	45	2	0.374	ug/l	11.77	3,527.11	2.196E-02	Pulse	0.20	3
Mn	55	45	2	59.119	ug/l	2.35	96,538.03	6.010E-01	Pulse	0.20	3
Fe	56	45	2	538.378	ug/l	2.91	1,280,645.66	7.973E+00	Analog	0.20	3
Co	59	45	2	0.245	ug/l	9.69	1,153.40	7.169E-03	Pulse	0.20	3
Ni	60	45	2	3.268	ug/l	4.68	3,970.55	2.472E-02	Pulse	0.20	3
Cu	63	45	2	4.326	ug/l	2.40	13,325.59	8.295E-02	Pulse	0.20	3
Cu	65	45	2	4.412	ug/l	3.14	6,749.86	4.201E-02	Pulse	0.20	3
Zn	66	45	2	21.691	ug/l	2.46	11,199.02	6.971E-02	Pulse	0.20	3
As	75	45	2	12.812	ug/l	4.73	4,303.27	2.680E-02	Pulse	0.50	3
Se	78	45	2	5.352	ug/l	7.66	181.33	1.129E-03	Pulse	1.00	3
Se	78	45	3	5.235	ug/l	12.75	442.68	1.723E-03	Pulse	1.00	3
Sr	88	45	1	1181.767	ug/l	0.64	27,265,699.59	9.428E+00	Analog	0.10	3
Mo	95	103	1	4.895	ug/l	3.87	18,224.47	5.646E-03	Pulse	0.10	3
Ag	107	115	1	0.040	ug/l	45.82	456.69	1.214E-04	Pulse	0.10	3
Cd	111	115	1	0.118	ug/l	6.82	237.34	6.332E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.107	ug/l	18.30	89.33	9.114E-05	Pulse	0.25	3
Sn	117	115	1	0.699	ug/l	16.53	1,370.12	3.654E-04	Pulse	0.10	3
Sn	118	115	1	0.645	ug/l	5.43	4,040.66	1.077E-03	Pulse	0.10	3
Sn	118	115	2	0.676	ug/l	17.13	1,366.78	1.396E-03	Pulse	0.10	3
Sn	119	115	1	0.662	ug/l	17.76	1,720.17	4.575E-04	Pulse	0.10	3
Sb	121	159	1	0.362	ug/l	12.83	2,820.36	4.625E-04	Pulse	0.10	3
Ba	137	159	1	272.678	ug/l	2.22	944,422.95	1.551E-01	Pulse	0.10	3
Tl	205	209	1	0.561	ug/l	4.69	8,916.37	2.992E-03	Pulse	0.10	3
Pb	208	209	1	0.471	ug/l	4.26	10,608.62	3.561E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,314,047.32	2.20	74.4	Analog	0.10	3
1	Sc	45	2,891,538.40	3.00	84.9	Analog	0.10	3
2	Sc	45	160,700.43	2.50	83.3	Pulse	0.10	3
3	Sc	45	257,299.20	2.19	85.8	Pulse	0.10	3
1	Ge	72	553,686.76	1.75	82.2	Pulse	0.10	3
2	Ge	72	90,879.87	1.34	78.6	Pulse	0.10	3
3	Ge	72	119,459.22	1.12	80.8	Pulse	0.10	3
1	Rh	103	3,225,425.79	3.04	78.6	Analog	0.10	3
2	Rh	103	1,914,829.71	0.23	74.5	Analog	0.10	3
1	In	115	3,751,882.96	2.40	89.0	Analog	0.10	3
2	In	115	979,292.96	0.78	80.5	Pulse	0.10	3
1	Tb	159	6,086,782.62	2.42	101.5	Analog	0.10	3
2	Tb	159	3,647,546.30	1.56	91.9	Analog	0.10	3
1	Ho	165	5,775,449.08	2.28	103.0	Analog	0.10	3
2	Ho	165	3,588,264.22	0.84	94.1	Analog	0.10	3
1	Bi	209	2,978,686.72	1.63	90.9	Analog	0.10	3
2	Bi	209	2,074,051.01	0.49	81.3	Analog	0.10	3

Quantitation Report

File Name	116SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 0:23
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	51.256	ug/l	1.21	122,729.37	8.330E-02	Pulse	0.25	3
B	11	6	1	55.327	ug/l	1.70	106,869.62	7.254E-02	Pulse	0.15	3
Na	23	45	1	5442.845	ug/l	0.70	54,700,147.52	1.954E+01	Analog	0.10	3
Na	23	45	2	5544.511	ug/l	0.75	2,081,047.68	1.318E+01	Analog	0.20	3
Mg	24	45	1	5201.578	ug/l	0.59	35,519,811.97	1.269E+01	Analog	0.10	3
Mg	24	45	2	5237.484	ug/l	0.63	1,019,145.66	6.455E+00	Pulse	0.20	3
Al	27	45	1	4884.254	ug/l	0.22	45,128,322.66	1.612E+01	Analog	0.10	3
Al	27	45	2	4911.856	ug/l	0.16	374,505.83	2.372E+00	Pulse	0.20	3
K	39	45	1	4987.223	ug/l	0.57	65,871,039.02	2.352E+01	Analog	0.10	3
K	39	45	2	5050.369	ug/l	0.71	1,077,804.54	6.827E+00	Pulse	0.20	3
Ca	43	45	1	5371.383	ug/l	0.81	139,667.76	4.988E-02	Pulse	1.50	3
Ca	43	45	2	5790.747	ug/l	2.57	3,873.34	2.453E-02	Pulse	1.50	3
Ca	44	45	1	5449.958	ug/l	0.99	2,224,473.56	7.944E-01	Analog	0.10	3
Ca	44	45	2	5657.227	ug/l	0.89	65,770.98	4.166E-01	Pulse	0.20	3
Ti	47	45	1	50.605	ug/l	1.35	59,203.23	2.114E-02	Pulse	0.10	3
Ti	47	45	2	50.328	ug/l	4.06	4,017.22	2.545E-02	Pulse	0.20	3
V	51	45	2	53.729	ug/l	0.73	125,716.73	7.963E-01	Pulse	0.20	3
Cr	52	45	2	52.577	ug/l	0.59	155,455.78	9.846E-01	Pulse	0.20	3
Mn	55	45	2	54.350	ug/l	1.29	87,223.97	5.525E-01	Pulse	0.20	3
Fe	56	45	2	5221.039	ug/l	0.57	12,189,594.40	7.721E+01	Analog	0.20	3
Co	59	45	2	53.461	ug/l	0.49	233,043.76	1.476E+00	Pulse	0.20	3
Ni	60	45	2	51.231	ug/l	1.46	59,045.77	3.740E-01	Pulse	0.20	3
Cu	63	45	2	52.575	ug/l	2.24	158,429.59	1.004E+00	Pulse	0.20	3
Cu	65	45	2	53.211	ug/l	0.79	79,439.49	5.032E-01	Pulse	0.20	3
Zn	66	45	2	54.952	ug/l	2.10	27,752.10	1.758E-01	Pulse	0.20	3
As	75	45	2	56.026	ug/l	1.27	18,460.49	1.169E-01	Pulse	0.50	3
Se	78	45	2	53.207	ug/l	2.35	1,593.42	1.009E-02	Pulse	1.00	3
Se	78	45	3	54.843	ug/l	2.93	4,909.42	1.800E-02	Pulse	1.00	3
Sr	88	45	1	61.638	ug/l	1.01	1,377,344.72	4.919E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	52.947	ug/l	1.20	230,878.17	6.074E-02	Pulse	0.10	3
Ag	107	115	1	48.830	ug/l	1.39	491,558.87	1.152E-01	Pulse	0.10	3
Cd	111	115	1	52.463	ug/l	1.15	113,393.49	2.657E-02	Pulse	0.25	3
Cd	111	115	2	54.146	ug/l	0.78	50,932.31	4.501E-02	Pulse	0.25	3
Sn	117	115	1	53.469	ug/l	0.46	112,158.94	2.628E-02	Pulse	0.10	3
Sn	118	115	1	53.888	ug/l	1.58	361,180.29	8.464E-02	Pulse	0.10	3
Sn	118	115	2	54.774	ug/l	1.29	121,470.66	1.073E-01	Pulse	0.10	3
Sn	119	115	1	53.895	ug/l	3.21	130,652.77	3.062E-02	Pulse	0.10	3
Sb	121	159	1	57.537	ug/l	1.55	431,256.88	6.533E-02	Pulse	0.10	3
Ba	137	159	1	50.785	ug/l	1.28	191,415.91	2.900E-02	Pulse	0.10	3
Tl	205	209	1	48.762	ug/l	1.94	915,139.73	2.491E-01	Pulse	0.10	3
Pb	208	209	1	53.155	ug/l	0.98	1,362,261.81	3.708E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,473,384.51	0.91	83.4	Analog	0.10	3
1	Sc	45	2,800,085.69	0.30	82.2	Analog	0.10	3
2	Sc	45	157,882.67	0.54	81.9	Pulse	0.10	3
3	Sc	45	272,765.72	0.63	90.9	Pulse	0.10	3
1	Ge	72	587,921.62	0.96	87.3	Pulse	0.10	3
2	Ge	72	101,059.20	0.87	87.4	Pulse	0.10	3
3	Ge	72	138,172.88	1.96	93.4	Pulse	0.10	3
1	Rh	103	3,801,236.71	0.63	92.6	Analog	0.10	3
2	Rh	103	2,358,049.65	0.51	91.8	Analog	0.10	3
1	In	115	4,267,681.22	0.60	101.2	Analog	0.10	3
2	In	115	1,131,691.22	0.25	93.1	Pulse	0.10	3
1	Tb	159	6,601,242.19	0.75	110.1	Analog	0.10	3
2	Tb	159	4,067,217.86	1.05	102.5	Analog	0.10	3
1	Ho	165	6,220,743.66	0.40	110.9	Analog	0.10	3
2	Ho	165	4,009,296.09	0.56	105.2	Analog	0.10	3
1	Bi	209	3,673,796.93	0.74	112.1	Analog	0.10	3
2	Bi	209	2,647,832.57	0.97	103.8	Analog	0.10	3

Quantitation Report

File Name	117SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 0:28
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.037	ug/l	13.97	176.00	1.166E-04	Pulse	0.25	3
B	11	6	1	2.558	ug/l	4.10	7,659.67	5.071E-03	Pulse	0.15	3
Na	23	45	1	114.135	ug/l	2.41	1,395,057.06	4.777E-01	Analog	0.10	3
Na	23	45	2	128.901	ug/l	7.72	57,521.55	3.503E-01	Pulse	0.20	3
Mg	24	45	1	58.377	ug/l	3.48	417,905.19	1.431E-01	Pulse	0.10	3
Mg	24	45	2	62.923	ug/l	5.69	12,793.39	7.790E-02	Pulse	0.20	3
Al	27	45	1	5.146	ug/l	5.19	53,249.09	1.823E-02	Pulse	0.10	3
Al	27	45	2	6.006	ug/l	21.05	516.68	3.150E-03	Pulse	0.20	3
K	39	45	1	12.809	ug/l	5.99	1,140,919.93	3.906E-01	Pulse	0.10	3
K	39	45	2	16.223	ug/l	15.45	11,050.52	6.730E-02	Pulse	0.20	3
Ca	43	45	1	97.222	ug/l	2.51	2,725.56	9.332E-04	Pulse	1.50	3
Ca	43	45	2	132.450	ug/l	3.74	92.89	5.656E-04	Pulse	1.50	3
Ca	44	45	1	99.921	ug/l	4.79	44,548.11	1.525E-02	Pulse	0.10	3
Ca	44	45	2	115.141	ug/l	12.22	1,415.10	8.623E-03	Pulse	0.20	3
Ti	47	45	1	0.049	ug/l	16.63	110.00	3.766E-05	Pulse	0.10	3
Ti	47	45	2	0.120	ug/l	86.47	10.00	6.086E-05	Pulse	0.20	3
V	51	45	2	0.132	ug/l	12.04	590.02	3.593E-03	Pulse	0.20	3
Cr	52	45	2	-0.198	ug/l	-16.73	1,873.48	1.142E-02	Pulse	0.20	3
Mn	55	45	2	0.146	ug/l	14.81	253.34	1.543E-03	Pulse	0.20	3
Fe	56	45	2	6.874	ug/l	10.34	18,796.11	1.145E-01	Pulse	0.20	3
Co	59	45	2	0.077	ug/l	14.23	413.34	2.518E-03	Pulse	0.20	3
Ni	60	45	2	0.053	ug/l	75.78	216.67	1.317E-03	Pulse	0.20	3
Cu	63	45	2	0.076	ug/l	23.83	305.01	1.856E-03	Pulse	0.20	3
Cu	65	45	2	0.074	ug/l	18.82	165.00	1.006E-03	Pulse	0.20	3
Zn	66	45	2	0.093	ug/l	102.80	138.33	8.451E-04	Pulse	0.20	3
As	75	45	2	0.067	ug/l	43.36	34.67	2.110E-04	Pulse	0.50	3
Se	78	45	2	0.082	ug/l	150.50	23.33	1.420E-04	Pulse	1.00	3
Se	78	45	3	0.183	ug/l	35.75	18.33	6.551E-05	Pulse	1.00	3
Sr	88	45	1	0.432	ug/l	6.55	10,467.13	3.584E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.126	ug/l	10.53	713.38	1.777E-04	Pulse	0.10	3
Ag	107	115	1	0.053	ug/l	9.88	663.38	1.507E-04	Pulse	0.10	3
Cd	111	115	1	0.068	ug/l	5.07	168.00	3.817E-05	Pulse	0.25	3
Cd	111	115	2	0.068	ug/l	28.27	69.33	5.893E-05	Pulse	0.25	3
Sn	117	115	1	0.108	ug/l	19.11	330.02	7.493E-05	Pulse	0.10	3
Sn	118	115	1	0.155	ug/l	4.29	1,353.44	3.074E-04	Pulse	0.10	3
Sn	118	115	2	0.159	ug/l	31.44	450.03	3.825E-04	Pulse	0.10	3
Sn	119	115	1	0.070	ug/l	79.40	536.70	1.218E-04	Pulse	0.10	3
Sb	121	159	1	0.123	ug/l	4.36	1,263.43	1.914E-04	Pulse	0.10	3
Ba	137	159	1	0.109	ug/l	48.03	1,290.11	1.954E-04	Pulse	0.10	3
Tl	205	209	1	0.384	ug/l	8.15	7,772.33	2.092E-03	Pulse	0.10	3
Pb	208	209	1	0.039	ug/l	11.80	2,053.47	5.525E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,510,378.63	0.58	85.5	Analog	0.10	3
1	Sc	45	2,920,666.10	0.29	85.7	Analog	0.10	3
2	Sc	45	164,188.84	1.30	85.1	Pulse	0.10	3
3	Sc	45	280,367.74	1.41	93.4	Pulse	0.10	3
1	Ge	72	615,626.82	0.54	91.4	Pulse	0.10	3
2	Ge	72	105,181.74	1.85	91.0	Pulse	0.10	3
3	Ge	72	142,495.40	0.37	96.3	Pulse	0.10	3
1	Rh	103	4,013,967.02	0.31	97.8	Analog	0.10	3
2	Rh	103	2,455,465.54	0.29	95.6	Analog	0.10	3
1	In	115	4,402,615.68	0.55	104.4	Analog	0.10	3
2	In	115	1,176,288.84	0.54	96.7	Pulse	0.10	3
1	Tb	159	6,600,976.78	0.58	110.0	Analog	0.10	3
2	Tb	159	4,076,659.63	0.24	102.8	Analog	0.10	3
1	Ho	165	6,272,454.28	0.06	111.8	Analog	0.10	3
2	Ho	165	3,980,739.11	0.46	104.4	Analog	0.10	3
1	Bi	209	3,716,200.15	0.59	113.4	Analog	0.10	3
2	Bi	209	2,689,058.92	0.40	105.5	Analog	0.10	3

Quantitation Report

File Name	118SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 0:33
Sample Name	fa7-2f 1
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.007	ug/l	197.50	90.67	6.738E-05	Pulse	0.25	3
B	11	6	1	38.340	ug/l	1.54	68,307.59	5.082E-02	Pulse	0.15	3
Na	23	45	1	50556.082	ug/l	0.74	510,961,739.05	1.809E+02	Analog	0.10	3
Na	23	45	2	53459.905	ug/l	1.34	19,425,040.13	1.267E+02	Analog	0.20	3
Mg	24	45	1	103397.464	ug/l	1.23	712,285,269.39	2.521E+02	Analog	0.10	3
Mg	24	45	2	107320.830	ug/l	1.38	20,277,413.03	1.323E+02	Analog	0.20	3
Al	27	45	1	61.518	ug/l	5.21	576,956.07	2.042E-01	Pulse	0.10	3
Al	27	45	2	57.799	ug/l	1.32	4,317.30	2.816E-02	Pulse	0.20	3
K	39	45	1	9167.813	ug/l	0.42	121,376,298.19	4.297E+01	Analog	0.10	3
K	39	45	2	9164.672	ug/l	1.78	1,893,440.08	1.235E+01	Analog	0.20	3
Ca	43	45	1	232463.356	ug/l	0.22	6,094,437.33	2.157E+00	Analog	1.50	3
Ca	43	45	2	246170.039	ug/l	1.47	159,843.81	1.043E+00	Pulse	1.50	3
Ca	44	45	1	239582.044	ug/l	0.39	98,570,311.86	3.489E+01	Analog	0.10	3
Ca	44	45	2	239681.501	ug/l	1.64	2,704,801.83	1.764E+01	Analog	0.20	3
Ti	47	45	1	3.991	ug/l	5.10	4,754.18	1.683E-03	Pulse	0.10	3
Ti	47	45	2	3.057	ug/l	18.25	236.67	1.546E-03	Pulse	0.20	3
V	51	45	2	1.288	ug/l	5.74	3,172.04	2.069E-02	Pulse	0.20	3
Cr	52	45	2	0.086	ug/l	73.25	2,551.92	1.665E-02	Pulse	0.20	3
Mn	55	45	2	312.662	ug/l	1.87	487,201.59	3.178E+00	Pulse	0.20	3
Fe	56	45	2	626.261	ug/l	2.02	1,421,456.80	9.272E+00	Analog	0.20	3
Co	59	45	2	2.356	ug/l	2.34	10,031.52	6.543E-02	Pulse	0.20	3
Ni	60	45	2	2.904	ug/l	1.36	3,385.41	2.208E-02	Pulse	0.20	3
Cu	63	45	2	0.736	ug/l	1.09	2,215.19	1.445E-02	Pulse	0.20	3
Cu	65	45	2	0.756	ug/l	8.81	1,143.40	7.460E-03	Pulse	0.20	3
Zn	66	45	2	25.937	ug/l	5.34	12,758.53	8.325E-02	Pulse	0.20	3
As	75	45	2	0.297	ug/l	19.99	106.00	6.910E-04	Pulse	0.50	3
Se	78	45	2	0.749	ug/l	28.83	41.00	2.670E-04	Pulse	1.00	3
Se	78	45	3	0.647	ug/l	11.93	56.33	2.179E-04	Pulse	1.00	3
Sr	88	45	1	846.011	ug/l	0.24	19,066,919.30	6.750E+00	Analog	0.10	3
Mo	95	103	1	0.998	ug/l	4.55	4,070.70	1.177E-03	Pulse	0.10	3
Ag	107	115	1	0.016	ug/l	28.21	253.34	6.399E-05	Pulse	0.10	3
Cd	111	115	1	0.122	ug/l	12.61	257.34	6.501E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.115	ug/l	41.88	101.33	9.758E-05	Pulse	0.25	3
Sn	117	115	1	0.384	ug/l	6.71	833.39	2.105E-04	Pulse	0.10	3
Sn	118	115	1	0.395	ug/l	6.29	2,713.68	6.854E-04	Pulse	0.10	3
Sn	118	115	2	0.406	ug/l	14.77	900.06	8.660E-04	Pulse	0.10	3
Sn	119	115	1	0.698	ug/l	5.21	1,890.19	4.774E-04	Pulse	0.10	3
Sb	121	159	1	0.637	ug/l	5.71	4,940.97	7.746E-04	Pulse	0.10	3
Ba	137	159	1	106.049	ug/l	0.58	385,394.19	6.041E-02	Pulse	0.10	3
Tl	205	209	1	0.237	ug/l	9.38	4,434.19	1.339E-03	Pulse	0.10	3
Pb	208	209	1	0.196	ug/l	4.69	5,447.27	1.644E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,344,006.28	0.56	76.1	Analog	0.10	3
1	Sc	45	2,824,880.48	0.45	82.9	Analog	0.10	3
2	Sc	45	153,330.81	1.64	79.5	Pulse	0.10	3
3	Sc	45	258,553.09	0.89	86.2	Pulse	0.10	3
1	Ge	72	571,765.80	0.70	84.9	Pulse	0.10	3
2	Ge	72	95,227.39	0.84	82.4	Pulse	0.10	3
3	Ge	72	127,005.21	0.63	85.9	Pulse	0.10	3
1	Rh	103	3,458,040.37	0.50	84.3	Analog	0.10	3
2	Rh	103	2,061,981.74	0.44	80.3	Analog	0.10	3
1	In	115	3,959,242.89	0.28	93.9	Analog	0.10	3
2	In	115	1,039,579.60	0.80	85.5	Pulse	0.10	3
1	Tb	159	6,379,636.78	0.37	106.4	Analog	0.10	3
2	Tb	159	3,827,336.30	1.23	96.5	Analog	0.10	3
1	Ho	165	6,065,742.41	0.16	108.1	Analog	0.10	3
2	Ho	165	3,727,142.03	1.41	97.8	Analog	0.10	3
1	Bi	209	3,313,080.78	0.39	101.1	Analog	0.10	3
2	Bi	209	2,298,741.94	1.23	90.2	Analog	0.10	3

Quantitation Report

File Name	119SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 0:38
Sample Name	fa7-3f
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.005	ug/l	273.00	85.33	6.487E-05	Pulse	0.25	3
B	11	6	1	161.097	ug/l	2.77	274,327.32	2.078E-01	Pulse	0.15	3
Na	23	45	1	345356.434	ug/l	0.72	3,560,978,506.94	1.235E+03	Analog	0.10	3
Na	23	45	2	348536.098	ug/l	1.54	130,429,721.39	8.258E+02	Analog	0.20	3
Mg	24	45	1	162574.332	ug/l	1.03	1,142,986,649.63	3.965E+02	Analog	0.10	3
Mg	24	45	2	164748.047	ug/l	1.97	32,068,826.19	2.030E+02	Analog	0.20	3
Al	27	45	1	182.701	ug/l	1.49	1,740,796.80	6.041E-01	Analog	0.10	3
Al	27	45	2	187.704	ug/l	5.47	14,346.97	9.089E-02	Pulse	0.20	3
K	39	45	1	26895.000	ug/l	1.27	361,548,834.61	1.254E+02	Analog	0.10	3
K	39	45	2	27272.788	ug/l	2.16	5,791,574.71	3.667E+01	Analog	0.20	3
Ca	43	45	1	299438.912	ug/l	1.11	8,012,272.89	2.779E+00	Analog	1.50	3
Ca	43	45	2	316237.150	ug/l	2.00	211,573.99	1.339E+00	Pulse	1.50	3
Ca	44	45	1	310090.821	ug/l	1.13	130,204,928.06	4.516E+01	Analog	0.10	3
Ca	44	45	2	306433.442	ug/l	1.27	3,563,149.74	2.256E+01	Analog	0.20	3
Ti	47	45	1	21.379	ug/l	1.09	25,780.91	8.942E-03	Pulse	0.10	3
Ti	47	45	2	6.456	ug/l	18.48	515.01	3.264E-03	Pulse	0.20	3
V	51	45	2	11.490	ug/l	0.25	27,102.51	1.716E-01	Pulse	0.20	3
Cr	52	45	2	0.063	ug/l	43.23	2,561.91	1.623E-02	Pulse	0.20	3
Mn	55	45	2	47.822	ug/l	1.34	76,801.13	4.861E-01	Pulse	0.20	3
Fe	56	45	2	258.037	ug/l	1.23	604,703.70	3.828E+00	Pulse	0.20	3
Co	59	45	2	0.318	ug/l	1.89	1,450.10	9.182E-03	Pulse	0.20	3
Ni	60	45	2	2.494	ug/l	6.60	3,018.67	1.909E-02	Pulse	0.20	3
Cu	63	45	2	2.804	ug/l	2.30	8,519.02	5.391E-02	Pulse	0.20	3
Cu	65	45	2	2.730	ug/l	5.37	4,125.59	2.611E-02	Pulse	0.20	3
Zn	66	45	2	10.677	ug/l	3.65	5,462.70	3.459E-02	Pulse	0.20	3
As	75	45	2	12.794	ug/l	3.14	4,226.57	2.676E-02	Pulse	0.50	3
Se	78	45	2	5.882	ug/l	7.08	194.00	1.228E-03	Pulse	1.00	3
Se	78	45	3	6.079	ug/l	3.27	491.01	2.000E-03	Pulse	1.00	3
Sr	88	45	1	1153.579	ug/l	0.89	26,533,506.27	9.203E+00	Analog	0.10	3
Mo	95	103	1	3.150	ug/l	5.19	11,734.77	3.645E-03	Pulse	0.10	3
Ag	107	115	1	0.017	ug/l	5.73	253.34	6.726E-05	Pulse	0.10	3
Cd	111	115	1	0.150	ug/l	5.00	298.68	7.929E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.157	ug/l	6.18	132.00	1.325E-04	Pulse	0.25	3
Sn	117	115	1	0.326	ug/l	12.67	686.71	1.823E-04	Pulse	0.10	3
Sn	118	115	1	0.270	ug/l	11.97	1,840.18	4.884E-04	Pulse	0.10	3
Sn	118	115	2	0.256	ug/l	21.93	570.03	5.718E-04	Pulse	0.10	3
Sn	119	115	1	0.248	ug/l	17.86	840.06	2.228E-04	Pulse	0.10	3
Sb	121	159	1	0.189	ug/l	3.44	1,623.48	2.668E-04	Pulse	0.10	3
Ba	137	159	1	166.203	ug/l	0.66	575,817.19	9.460E-02	Pulse	0.10	3
Tl	205	209	1	0.361	ug/l	3.97	5,888.05	1.970E-03	Pulse	0.10	3
Pb	208	209	1	0.181	ug/l	2.87	4,613.79	1.545E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,319,828.34	2.27	74.7	Analog	0.10	3
1	Sc	45	2,882,571.63	2.84	84.6	Analog	0.10	3
2	Sc	45	157,959.74	2.76	81.9	Pulse	0.10	3
3	Sc	45	245,605.03	1.87	81.9	Pulse	0.10	3
1	Ge	72	552,656.05	2.19	82.0	Pulse	0.10	3
2	Ge	72	90,494.66	4.99	78.3	Pulse	0.10	3
3	Ge	72	114,973.59	2.55	77.7	Pulse	0.10	3
1	Rh	103	3,217,036.51	2.57	78.4	Analog	0.10	3
2	Rh	103	1,910,934.82	2.72	74.4	Analog	0.10	3
1	In	115	3,766,079.81	1.59	89.3	Analog	0.10	3
2	In	115	996,172.71	2.29	81.9	Pulse	0.10	3
1	Tb	159	6,086,207.83	2.19	101.5	Analog	0.10	3
2	Tb	159	3,656,939.74	2.02	92.2	Analog	0.10	3
1	Ho	165	5,782,675.12	2.28	103.1	Analog	0.10	3
2	Ho	165	3,579,639.11	1.85	93.9	Analog	0.10	3
1	Bi	209	2,986,689.85	2.49	91.1	Analog	0.10	3
2	Bi	209	2,081,815.70	1.88	81.6	Analog	0.10	3

Quantitation Report

File Name	120SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 0:44
Sample Name	fa7-4f
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.011	ug/l	-66.34	45.33	3.906E-05	Pulse	0.25	3
B	11	6	1	36.379	ug/l	0.82	56,139.35	4.831E-02	Pulse	0.15	3
Na	23	45	1	48463.532	ug/l	1.21	410,857,233.88	1.734E+02	Analog	0.10	3
Na	23	45	2	47747.068	ug/l	2.15	14,143,016.04	1.132E+02	Analog	0.20	3
Mg	24	45	1	88423.087	ug/l	1.80	510,946,765.72	2.156E+02	Analog	0.10	3
Mg	24	45	2	87855.699	ug/l	2.29	13,531,114.38	1.083E+02	Analog	0.20	3
Al	27	45	1	28.327	ug/l	1.97	224,373.10	9.472E-02	Pulse	0.10	3
Al	27	45	2	26.684	ug/l	1.42	1,641.78	1.314E-02	Pulse	0.20	3
K	39	45	1	6436.571	ug/l	1.13	71,713,347.27	3.027E+01	Analog	0.10	3
K	39	45	2	6254.413	ug/l	1.93	1,055,228.48	8.443E+00	Pulse	0.20	3
Ca	43	45	1	213396.903	ug/l	1.22	4,692,865.11	1.980E+00	Analog	1.50	3
Ca	43	45	2	215004.254	ug/l	1.62	113,817.20	9.106E-01	Pulse	1.50	3
Ca	44	45	1	220227.421	ug/l	1.44	75,998,692.20	3.207E+01	Analog	0.10	3
Ca	44	45	2	209934.652	ug/l	2.45	1,931,149.40	1.545E+01	Analog	0.20	3
Ti	47	45	1	2.205	ug/l	7.63	2,220.31	9.378E-04	Pulse	0.10	3
Ti	47	45	2	1.265	ug/l	3.69	80.00	6.395E-04	Pulse	0.20	3
V	51	45	2	1.409	ug/l	8.44	2,808.63	2.249E-02	Pulse	0.20	3
Cr	52	45	2	0.419	ug/l	8.70	2,848.64	2.280E-02	Pulse	0.20	3
Mn	55	45	2	1069.880	ug/l	1.96	1,359,106.70	1.087E+01	Analog	0.20	3
Fe	56	45	2	75.549	ug/l	1.45	141,222.47	1.130E+00	Pulse	0.20	3
Co	59	45	2	1.827	ug/l	2.32	6,353.03	5.083E-02	Pulse	0.20	3
Ni	60	45	2	4.061	ug/l	8.13	3,808.86	3.050E-02	Pulse	0.20	3
Cu	63	45	2	0.594	ug/l	3.13	1,468.43	1.175E-02	Pulse	0.20	3
Cu	65	45	2	0.641	ug/l	15.15	795.04	6.370E-03	Pulse	0.20	3
Zn	66	45	2	17.219	ug/l	1.64	6,933.26	5.545E-02	Pulse	0.20	3
As	75	45	2	0.347	ug/l	11.17	99.33	7.959E-04	Pulse	0.50	3
Se	78	45	2	1.752	ug/l	26.54	56.67	4.548E-04	Pulse	1.00	3
Se	78	45	3	1.903	ug/l	15.10	124.67	6.300E-04	Pulse	1.00	3
Sr	88	45	1	810.550	ug/l	2.13	15,323,560.19	6.467E+00	Analog	0.10	3
Mo	95	103	1	1.020	ug/l	7.63	3,490.51	1.203E-03	Pulse	0.10	3
Ag	107	115	1	0.005	ug/l	16.40	126.67	3.784E-05	Pulse	0.10	3
Cd	111	115	1	0.335	ug/l	5.87	580.02	1.731E-04	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.298	ug/l	24.17	217.34	2.499E-04	Pulse	0.25	3
Sn	117	115	1	0.207	ug/l	11.47	413.36	1.236E-04	Pulse	0.10	3
Sn	118	115	1	0.175	ug/l	15.78	1,133.41	3.390E-04	Pulse	0.10	3
Sn	118	115	2	0.205	ug/l	14.25	410.02	4.719E-04	Pulse	0.10	3
Sn	119	115	1	0.406	ug/l	6.28	1,046.74	3.124E-04	Pulse	0.10	3
Sb	121	159	1	0.104	ug/l	4.38	923.39	1.697E-04	Pulse	0.10	3
Ba	137	159	1	117.814	ug/l	0.17	364,831.61	6.710E-02	Pulse	0.10	3
Tl	205	209	1	0.208	ug/l	3.69	3,423.87	1.192E-03	Pulse	0.10	3
Pb	208	209	1	0.058	ug/l	21.94	1,960.13	6.831E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,161,913.14	1.59	65.8	Analog	0.10	3
1	Sc	45	2,369,253.45	1.91	69.5	Analog	0.10	3
2	Sc	45	125,017.80	2.63	64.8	Pulse	0.10	3
3	Sc	45	197,857.26	0.79	65.9	Pulse	0.10	3
1	Ge	72	482,141.60	2.55	71.6	Pulse	0.10	3
2	Ge	72	77,287.40	0.54	66.8	Pulse	0.10	3
3	Ge	72	97,883.22	1.76	66.2	Pulse	0.10	3
1	Rh	103	2,904,648.71	2.25	70.8	Analog	0.10	3
2	Rh	103	1,705,018.88	0.90	66.4	Analog	0.10	3
1	In	115	3,348,248.98	2.07	79.4	Analog	0.10	3
2	In	115	868,843.83	0.53	71.4	Pulse	0.10	3
1	Tb	159	5,437,510.54	2.65	90.7	Analog	0.10	3
2	Tb	159	3,226,541.93	0.70	81.3	Analog	0.10	3
1	Ho	165	5,184,027.74	2.08	92.4	Analog	0.10	3
2	Ho	165	3,153,444.64	0.34	82.7	Analog	0.10	3
1	Bi	209	2,870,593.08	1.87	87.6	Analog	0.10	3
2	Bi	209	1,951,965.39	0.42	76.6	Analog	0.10	3

Quantitation Report

File Name	121SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 0:49
Sample Name	fa7-5f
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.002	ug/l	478.31	64.00	5.883E-05	Pulse	0.25	3
B	11	6	1	19.670	ug/l	1.43	29,298.86	2.695E-02	Pulse	0.15	3
Na	23	45	1	16260.125	ug/l	0.86	121,106,294.86	5.822E+01	Analog	0.10	3
Na	23	45	2	16458.838	ug/l	0.42	4,442,855.14	3.904E+01	Analog	0.20	3
Mg	24	45	1	46577.893	ug/l	1.25	236,271,369.81	1.136E+02	Analog	0.10	3
Mg	24	45	2	47324.309	ug/l	0.23	6,637,624.28	5.832E+01	Analog	0.20	3
Al	27	45	1	156.955	ug/l	0.41	1,079,827.72	5.191E-01	Pulse	0.10	3
Al	27	45	2	163.963	ug/l	4.56	9,040.99	7.942E-02	Pulse	0.20	3
K	39	45	1	4448.908	ug/l	1.21	43,724,511.01	2.102E+01	Analog	0.10	3
K	39	45	2	4580.041	ug/l	0.77	705,052.05	6.195E+00	Pulse	0.20	3
Ca	43	45	1	96401.898	ug/l	0.85	1,861,031.39	8.947E-01	Analog	1.50	3
Ca	43	45	2	103495.615	ug/l	0.26	49,887.05	4.384E-01	Pulse	1.50	3
Ca	44	45	1	100718.748	ug/l	1.19	30,512,315.38	1.467E+01	Analog	0.10	3
Ca	44	45	2	102610.958	ug/l	0.53	859,605.98	7.553E+00	Pulse	0.20	3
Ti	47	45	1	5.296	ug/l	17.14	4,636.20	2.228E-03	Pulse	0.10	3
Ti	47	45	2	4.349	ug/l	19.02	250.01	2.199E-03	Pulse	0.20	3
V	51	45	2	1.637	ug/l	7.71	2,941.99	2.586E-02	Pulse	0.20	3
Cr	52	45	2	1.642	ug/l	5.96	5,162.57	4.536E-02	Pulse	0.20	3
Mn	55	45	2	143.319	ug/l	0.09	165,787.87	1.457E+00	Pulse	0.20	3
Fe	56	45	2	415.562	ug/l	0.47	700,719.42	6.157E+00	Pulse	0.20	3
Co	59	45	2	0.346	ug/l	4.37	1,133.40	9.961E-03	Pulse	0.20	3
Ni	60	45	2	1.188	ug/l	5.42	1,090.06	9.579E-03	Pulse	0.20	3
Cu	63	45	2	0.940	ug/l	1.81	2,088.51	1.835E-02	Pulse	0.20	3
Cu	65	45	2	0.987	ug/l	5.40	1,096.72	9.636E-03	Pulse	0.20	3
Zn	66	45	2	37.299	ug/l	2.10	13,597.50	1.195E-01	Pulse	0.20	3
As	75	45	2	0.319	ug/l	22.06	84.00	7.373E-04	Pulse	0.50	3
Se	78	45	2	2.217	ug/l	16.10	61.67	5.420E-04	Pulse	1.00	3
Se	78	45	3	2.555	ug/l	10.67	154.00	8.437E-04	Pulse	1.00	3
Sr	88	45	1	392.496	ug/l	1.54	6,513,546.36	3.131E+00	Analog	0.10	3
Mo	95	103	1	1.070	ug/l	8.61	3,360.51	1.260E-03	Pulse	0.10	3
Ag	107	115	1	0.005	ug/l	89.32	120.00	3.955E-05	Pulse	0.10	3
Cd	111	115	1	0.115	ug/l	7.95	186.67	6.151E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.092	ug/l	33.13	65.33	7.859E-05	Pulse	0.25	3
Sn	117	115	1	0.138	ug/l	48.53	273.35	9.003E-05	Pulse	0.10	3
Sn	118	115	1	0.186	ug/l	10.74	1,080.08	3.559E-04	Pulse	0.10	3
Sn	118	115	2	0.176	ug/l	16.03	346.69	4.160E-04	Pulse	0.10	3
Sn	119	115	1	0.309	ug/l	10.59	780.05	2.571E-04	Pulse	0.10	3
Sb	121	159	1	0.270	ug/l	7.30	1,723.50	3.590E-04	Pulse	0.10	3
Ba	137	159	1	50.464	ug/l	0.82	138,365.45	2.882E-02	Pulse	0.10	3
Tl	205	209	1	0.064	ug/l	18.24	1,190.10	4.555E-04	Pulse	0.10	3
Pb	208	209	1	0.384	ug/l	4.75	7,721.12	2.955E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,087,090.12	0.50	61.5	Analog	0.10	3
1	Sc	45	2,080,156.01	1.01	61.0	Analog	0.10	3
2	Sc	45	113,804.79	0.79	59.0	Pulse	0.10	3
3	Sc	45	182,460.68	0.49	60.8	Pulse	0.10	3
1	Ge	72	433,355.74	0.32	64.3	Pulse	0.10	3
2	Ge	72	73,054.16	0.86	63.2	Pulse	0.10	3
3	Ge	72	92,749.71	0.55	62.7	Pulse	0.10	3
1	Rh	103	2,667,165.59	0.43	65.0	Analog	0.10	3
2	Rh	103	1,629,404.09	1.04	63.4	Analog	0.10	3
1	In	115	3,034,652.23	0.22	72.0	Analog	0.10	3
2	In	115	832,447.87	1.43	68.5	Pulse	0.10	3
1	Tb	159	4,801,574.51	0.57	80.0	Analog	0.10	3
2	Tb	159	3,008,272.46	0.65	75.8	Analog	0.10	3
1	Ho	165	4,532,598.58	0.62	80.8	Analog	0.10	3
2	Ho	165	2,962,204.64	0.55	77.7	Analog	0.10	3
1	Bi	209	2,612,037.05	0.70	79.7	Analog	0.10	3
2	Bi	209	1,906,377.00	0.44	74.8	Analog	0.10	3

Quantitation Report

File Name	122SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 0:54
Sample Name	fa7-6f
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.009	ug/l	97.51	69.33	6.996E-05	Pulse	0.25	3
B	11	6	1	14.687	ug/l	1.71	20,414.79	2.058E-02	Pulse	0.15	3
Na	23	45	1	18111.823	ug/l	0.98	123,006,594.83	6.485E+01	Analog	0.10	3
Na	23	45	2	18768.142	ug/l	0.34	4,551,905.24	4.451E+01	Analog	0.20	3
Mg	24	45	1	31664.937	ug/l	0.96	146,479,571.15	7.722E+01	Analog	0.10	3
Mg	24	45	2	32501.605	ug/l	0.49	4,096,305.04	4.006E+01	Analog	0.20	3
Al	27	45	1	168.087	ug/l	0.26	1,054,446.65	5.559E-01	Pulse	0.10	3
Al	27	45	2	176.185	ug/l	2.53	8,725.79	8.533E-02	Pulse	0.20	3
K	39	45	1	6175.324	ug/l	0.77	55,106,730.85	2.905E+01	Analog	0.10	3
K	39	45	2	6361.376	ug/l	0.54	878,148.66	8.587E+00	Pulse	0.20	3
Ca	43	45	1	66970.665	ug/l	0.75	1,179,059.67	6.216E-01	Pulse	1.50	3
Ca	43	45	2	70860.302	ug/l	0.85	30,691.95	3.001E-01	Pulse	1.50	3
Ca	44	45	1	67786.879	ug/l	0.94	18,728,783.05	9.873E+00	Analog	0.10	3
Ca	44	45	2	70980.830	ug/l	0.19	534,337.05	5.225E+00	Pulse	0.20	3
Ti	47	45	1	5.658	ug/l	5.82	4,514.43	2.379E-03	Pulse	0.10	3
Ti	47	45	2	4.706	ug/l	2.27	243.34	2.380E-03	Pulse	0.20	3
V	51	45	2	1.277	ug/l	8.47	2,100.18	2.054E-02	Pulse	0.20	3
Cr	52	45	2	13.100	ug/l	0.35	26,246.11	2.567E-01	Pulse	0.20	3
Mn	55	45	2	691.077	ug/l	0.48	718,331.66	7.024E+00	Pulse	0.20	3
Fe	56	45	2	169.884	ug/l	0.92	258,181.91	2.525E+00	Pulse	0.20	3
Co	59	45	2	0.721	ug/l	7.34	2,076.84	2.031E-02	Pulse	0.20	3
Ni	60	45	2	1.634	ug/l	4.24	1,311.75	1.283E-02	Pulse	0.20	3
Cu	63	45	2	1.360	ug/l	4.98	2,695.28	2.636E-02	Pulse	0.20	3
Cu	65	45	2	1.371	ug/l	20.27	1,356.75	1.327E-02	Pulse	0.20	3
Zn	66	45	2	10.752	ug/l	3.03	3,562.12	3.483E-02	Pulse	0.20	3
As	75	45	2	0.303	ug/l	27.75	72.00	7.039E-04	Pulse	0.50	3
Se	78	45	2	2.873	ug/l	8.96	68.00	6.649E-04	Pulse	1.00	3
Se	78	45	3	2.904	ug/l	9.70	163.33	9.584E-04	Pulse	1.00	3
Sr	88	45	1	242.037	ug/l	0.91	3,663,194.42	1.931E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	4.772	ug/l	3.51	13,406.09	5.505E-03	Pulse	0.10	3
Ag	107	115	1	0.011	ug/l	46.68	143.34	5.169E-05	Pulse	0.10	3
Cd	111	115	1	0.109	ug/l	10.41	162.67	5.865E-05	Pulse	0.25	3
Cd	111	115	2	0.083	ug/l	46.14	53.33	7.112E-05	Pulse	0.25	3
Sn	117	115	1	0.932	ug/l	5.92	1,330.11	4.797E-04	Pulse	0.10	3
Sn	118	115	1	0.866	ug/l	0.60	3,950.64	1.424E-03	Pulse	0.10	3
Sn	118	115	2	1.006	ug/l	4.10	1,533.47	2.041E-03	Pulse	0.10	3
Sn	119	115	1	1.085	ug/l	10.49	1,933.53	6.971E-04	Pulse	0.10	3
Sb	121	159	1	0.230	ug/l	3.87	1,393.45	3.134E-04	Pulse	0.10	3
Ba	137	159	1	36.556	ug/l	1.26	92,991.55	2.091E-02	Pulse	0.10	3
Tl	205	209	1	0.087	ug/l	17.28	1,393.46	5.715E-04	Pulse	0.10	3
Pb	208	209	1	0.134	ug/l	5.70	2,956.92	1.213E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	991,957.60	1.09	56.2	Pulse	0.10	3
1	Sc	45	1,896,994.61	0.51	55.7	Analog	0.10	3
2	Sc	45	102,263.84	0.10	53.0	Pulse	0.10	3
3	Sc	45	170,386.79	0.36	56.8	Pulse	0.10	3
1	Ge	72	390,509.45	1.38	58.0	Pulse	0.10	3
2	Ge	72	67,135.77	1.10	58.1	Pulse	0.10	3
3	Ge	72	86,425.84	0.54	58.4	Pulse	0.10	3
1	Rh	103	2,435,679.18	0.45	59.3	Analog	0.10	3
2	Rh	103	1,490,339.87	0.41	58.0	Analog	0.10	3
1	In	115	2,773,375.59	0.49	65.8	Analog	0.10	3
2	In	115	751,421.65	0.70	61.8	Pulse	0.10	3
1	Tb	159	4,447,107.43	0.42	74.1	Analog	0.10	3
2	Tb	159	2,761,827.88	0.64	69.6	Analog	0.10	3
1	Ho	165	4,211,908.89	0.07	75.1	Analog	0.10	3
2	Ho	165	2,716,376.21	0.39	71.3	Analog	0.10	3
1	Bi	209	2,438,584.91	0.14	74.4	Analog	0.10	3
2	Bi	209	1,760,914.35	0.56	69.1	Analog	0.10	3

Quantitation Report

File Name	123SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 0:59
Sample Name	fa7-7f
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.070	ug/l	31.99	173.33	1.695E-04	Pulse	0.25	3
B	11	6	1	12.363	ug/l	0.87	17,994.30	1.761E-02	Pulse	0.15	3
Na	23	45	1	30035.999	ug/l	1.29	205,315,843.61	1.075E+02	Analog	0.10	3
Na	23	45	2	29358.682	ug/l	0.59	7,611,568.64	6.960E+01	Analog	0.20	3
Mg	24	45	1	24726.302	ug/l	1.29	115,174,221.62	6.030E+01	Analog	0.10	3
Mg	24	45	2	24476.596	ug/l	1.04	3,298,837.87	3.017E+01	Analog	0.20	3
Al	27	45	1	910.429	ug/l	1.03	5,740,218.66	3.005E+00	Analog	0.10	3
Al	27	45	2	905.988	ug/l	1.60	47,868.02	4.377E-01	Pulse	0.20	3
K	39	45	1	4474.126	ug/l	0.89	40,377,381.07	2.114E+01	Analog	0.10	3
K	39	45	2	4456.255	ug/l	0.91	659,312.72	6.029E+00	Pulse	0.20	3
Ca	43	45	1	44523.956	ug/l	0.84	789,332.89	4.132E-01	Pulse	1.50	3
Ca	43	45	2	45399.152	ug/l	0.77	21,028.03	1.923E-01	Pulse	1.50	3
Ca	44	45	1	45077.374	ug/l	1.00	12,541,251.06	6.566E+00	Analog	0.10	3
Ca	44	45	2	45138.500	ug/l	1.04	363,373.08	3.323E+00	Pulse	0.20	3
Ti	47	45	1	31.604	ug/l	17.78	25,224.55	1.321E-02	Pulse	0.10	3
Ti	47	45	2	26.941	ug/l	13.40	1,490.10	1.362E-02	Pulse	0.20	3
V	51	45	2	5.083	ug/l	2.84	8,400.62	7.682E-02	Pulse	0.20	3
Cr	52	45	2	4.360	ug/l	2.09	10,441.77	9.548E-02	Pulse	0.20	3
Mn	55	45	2	32.301	ug/l	0.40	35,910.91	3.284E-01	Pulse	0.20	3
Fe	56	45	2	801.550	ug/l	0.08	1,297,439.43	1.186E+01	Analog	0.20	3
Co	59	45	2	0.517	ug/l	4.12	1,603.45	1.466E-02	Pulse	0.20	3
Ni	60	45	2	1.174	ug/l	11.57	1,036.72	9.478E-03	Pulse	0.20	3
Cu	63	45	2	1.989	ug/l	3.01	4,195.62	3.837E-02	Pulse	0.20	3
Cu	65	45	2	2.012	ug/l	1.10	2,113.51	1.933E-02	Pulse	0.20	3
Zn	66	45	2	12.325	ug/l	3.48	4,357.34	3.985E-02	Pulse	0.20	3
As	75	45	2	1.143	ug/l	15.00	268.67	2.457E-03	Pulse	0.50	3
Se	78	45	2	3.701	ug/l	4.14	89.67	8.200E-04	Pulse	1.00	3
Se	78	45	3	2.899	ug/l	3.25	166.33	9.567E-04	Pulse	1.00	3
Sr	88	45	1	267.948	ug/l	1.82	4,083,381.40	2.138E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.491	ug/l	6.16	4,250.75	1.742E-03	Pulse	0.10	3
Ag	107	115	1	0.004	ug/l	174.16	96.67	3.501E-05	Pulse	0.10	3
Cd	111	115	1	0.049	ug/l	7.43	78.67	2.854E-05	Pulse	0.25	3
Cd	111	115	2	0.041	ug/l	30.43	28.00	3.594E-05	Pulse	0.25	3
Sn	117	115	1	0.132	ug/l	10.25	240.01	8.708E-05	Pulse	0.10	3
Sn	118	115	1	0.138	ug/l	17.76	773.38	2.806E-04	Pulse	0.10	3
Sn	118	115	2	0.138	ug/l	25.89	266.68	3.423E-04	Pulse	0.10	3
Sn	119	115	1	0.218	ug/l	34.56	566.70	2.055E-04	Pulse	0.10	3
Sb	121	159	1	0.250	ug/l	13.47	1,450.14	3.354E-04	Pulse	0.10	3
Ba	137	159	1	59.606	ug/l	1.48	147,080.47	3.401E-02	Pulse	0.10	3
Tl	205	209	1	0.060	ug/l	12.49	1,033.41	4.351E-04	Pulse	0.10	3
Pb	208	209	1	0.956	ug/l	1.96	16,487.48	6.943E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,021,963.33	0.55	57.9	Pulse	0.10	3
1	Sc	45	1,910,108.57	0.49	56.1	Analog	0.10	3
2	Sc	45	109,358.25	0.28	56.7	Pulse	0.10	3
3	Sc	45	173,884.73	0.93	58.0	Pulse	0.10	3
1	Ge	72	387,835.47	0.67	57.6	Pulse	0.10	3
2	Ge	72	70,014.71	0.13	60.6	Pulse	0.10	3
3	Ge	72	89,438.44	0.12	60.5	Pulse	0.10	3
1	Rh	103	2,439,624.18	0.17	59.4	Analog	0.10	3
2	Rh	103	1,545,743.46	0.31	60.2	Analog	0.10	3
1	In	115	2,756,875.28	0.64	65.4	Analog	0.10	3
2	In	115	778,980.73	0.20	64.1	Pulse	0.10	3
1	Tb	159	4,324,661.08	0.90	72.1	Analog	0.10	3
2	Tb	159	2,853,710.58	0.83	71.9	Analog	0.10	3
1	Ho	165	4,112,148.38	0.66	73.3	Analog	0.10	3
2	Ho	165	2,791,913.71	0.27	73.2	Analog	0.10	3
1	Bi	209	2,374,828.14	1.13	72.4	Analog	0.10	3
2	Bi	209	1,796,581.75	0.36	70.5	Analog	0.10	3

Quantitation Report

File Name	124SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 1:05
Sample Name	fa7-8f
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.090	ug/l	9.55	208.01	2.015E-04	Pulse	0.25	3
B	11	6	1	13.002	ug/l	1.43	19,017.63	1.842E-02	Pulse	0.15	3
Na	23	45	1	10402.231	ug/l	0.33	72,831,238.91	3.727E+01	Analog	0.10	3
Na	23	45	2	10449.588	ug/l	1.83	2,623,977.98	2.480E+01	Analog	0.20	3
Mg	24	45	1	30527.335	ug/l	0.60	145,466,937.83	7.445E+01	Analog	0.10	3
Mg	24	45	2	30810.600	ug/l	1.21	4,017,448.80	3.797E+01	Analog	0.20	3
Al	27	45	1	1003.156	ug/l	0.62	6,470,059.28	3.311E+00	Analog	0.10	3
Al	27	45	2	1055.961	ug/l	0.90	53,978.24	5.101E-01	Pulse	0.20	3
K	39	45	1	2741.294	ug/l	0.68	25,558,032.95	1.308E+01	Analog	0.10	3
K	39	45	2	2827.348	ug/l	1.78	406,448.24	3.842E+00	Pulse	0.20	3
Ca	43	45	1	70117.144	ug/l	0.65	1,271,581.08	6.508E-01	Pulse	1.50	3
Ca	43	45	2	73995.686	ug/l	1.62	33,157.26	3.134E-01	Pulse	1.50	3
Ca	44	45	1	71063.529	ug/l	0.60	20,225,165.53	1.035E+01	Analog	0.10	3
Ca	44	45	2	73405.273	ug/l	1.30	571,690.93	5.404E+00	Pulse	0.20	3
Ti	47	45	1	31.857	ug/l	4.30	26,018.06	1.332E-02	Pulse	0.10	3
Ti	47	45	2	32.292	ug/l	5.61	1,726.80	1.633E-02	Pulse	0.20	3
V	51	45	2	3.432	ug/l	4.22	5,544.36	5.241E-02	Pulse	0.20	3
Cr	52	45	2	2.757	ug/l	2.88	6,973.28	6.592E-02	Pulse	0.20	3
Mn	55	45	2	55.964	ug/l	2.60	60,181.07	5.689E-01	Pulse	0.20	3
Fe	56	45	2	1086.262	ug/l	1.33	1,700,587.42	1.607E+01	Analog	0.20	3
Co	59	45	2	0.777	ug/l	5.59	2,310.20	2.184E-02	Pulse	0.20	3
Ni	60	45	2	1.458	ug/l	17.49	1,221.74	1.155E-02	Pulse	0.20	3
Cu	63	45	2	1.747	ug/l	7.95	3,568.79	3.375E-02	Pulse	0.20	3
Cu	65	45	2	1.785	ug/l	4.11	1,818.47	1.718E-02	Pulse	0.20	3
Zn	66	45	2	26.128	ug/l	1.16	8,872.55	8.386E-02	Pulse	0.20	3
As	75	45	2	0.908	ug/l	14.44	208.00	1.965E-03	Pulse	0.50	3
Se	78	45	2	3.071	ug/l	16.58	74.33	7.020E-04	Pulse	1.00	3
Se	78	45	3	2.507	ug/l	10.59	140.00	8.280E-04	Pulse	1.00	3
Sr	88	45	1	286.269	ug/l	0.84	4,463,030.97	2.284E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.726	ug/l	14.98	2,150.22	8.652E-04	Pulse	0.10	3
Ag	107	115	1	0.005	ug/l	77.95	110.00	3.911E-05	Pulse	0.10	3
Cd	111	115	1	0.061	ug/l	14.76	97.33	3.454E-05	Pulse	0.25	3
Cd	111	115	2	0.053	ug/l	12.03	36.00	4.657E-05	Pulse	0.25	3
Sn	117	115	1	0.292	ug/l	33.49	466.69	1.654E-04	Pulse	0.10	3
Sn	118	115	1	0.301	ug/l	4.97	1,513.47	5.378E-04	Pulse	0.10	3
Sn	118	115	2	0.272	ug/l	11.96	466.69	6.037E-04	Pulse	0.10	3
Sn	119	115	1	0.488	ug/l	22.83	1,010.08	3.589E-04	Pulse	0.10	3
Sb	121	159	1	0.249	ug/l	3.83	1,493.46	3.344E-04	Pulse	0.10	3
Ba	137	159	1	42.306	ug/l	0.59	108,004.78	2.418E-02	Pulse	0.10	3
Tl	205	209	1	0.044	ug/l	15.47	853.40	3.521E-04	Pulse	0.10	3
Pb	208	209	1	1.188	ug/l	5.81	20,743.38	8.563E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,032,143.77	0.56	58.4	Pulse	0.10	3
1	Sc	45	1,954,045.18	0.57	57.3	Analog	0.10	3
2	Sc	45	105,812.20	1.43	54.9	Pulse	0.10	3
3	Sc	45	169,056.39	0.29	56.3	Pulse	0.10	3
1	Ge	72	387,671.15	1.14	57.5	Pulse	0.10	3
2	Ge	72	66,730.70	1.13	57.7	Pulse	0.10	3
3	Ge	72	83,859.65	0.36	56.7	Pulse	0.10	3
1	Rh	103	2,487,455.33	0.95	60.6	Analog	0.10	3
2	Rh	103	1,518,493.73	0.53	59.1	Analog	0.10	3
1	In	115	2,815,088.04	1.20	66.7	Analog	0.10	3
2	In	115	773,283.25	0.60	63.6	Pulse	0.10	3
1	Tb	159	4,466,653.89	0.79	74.5	Analog	0.10	3
2	Tb	159	2,835,234.02	0.27	71.5	Analog	0.10	3
1	Ho	165	4,241,320.77	0.80	75.6	Analog	0.10	3
2	Ho	165	2,784,511.73	0.25	73.0	Analog	0.10	3
1	Bi	209	2,422,865.85	0.80	73.9	Analog	0.10	3
2	Bi	209	1,792,031.80	0.27	70.3	Analog	0.10	3

Quantitation Report

File Name	125SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 1:10
Sample Name	fa113-1f
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.005	ug/l	-240.58	46.67	4.733E-05	Pulse	0.25	3
B	11	6	1	77.419	ug/l	3.14	98,415.24	1.008E-01	Pulse	0.15	3
Na	23	45	1	166754.653	ug/l	6.69	1,154,186,062.80	5.965E+02	Analog	0.10	3
Na	23	45	2	183523.799	ug/l	1.37	41,371,125.21	4.349E+02	Analog	0.20	3
Mg	24	45	1	115653.617	ug/l	6.27	545,857,845.20	2.820E+02	Analog	0.10	3
Mg	24	45	2	126901.678	ug/l	1.63	14,878,561.45	1.564E+02	Analog	0.20	3
Al	27	45	1	188.412	ug/l	6.57	1,206,111.41	6.229E-01	Mix	0.10	3
Al	27	45	2	208.198	ug/l	1.77	9,587.91	1.008E-01	Pulse	0.20	3
K	39	45	1	17850.724	ug/l	5.92	161,356,744.26	8.335E+01	Analog	0.10	3
K	39	45	2	19449.248	ug/l	1.29	2,488,878.66	2.616E+01	Analog	0.20	3
Ca	43	45	1	242391.772	ug/l	5.76	4,355,195.22	2.250E+00	Analog	1.50	3
Ca	43	45	2	280115.685	ug/l	1.21	112,876.61	1.186E+00	Pulse	1.50	3
Ca	44	45	1	249958.298	ug/l	6.42	70,453,322.28	3.640E+01	Analog	0.10	3
Ca	44	45	2	273480.933	ug/l	1.44	1,915,207.84	2.013E+01	Analog	0.20	3
Ti	47	45	1	15.929	ug/l	7.48	12,898.88	6.667E-03	Pulse	0.10	3
Ti	47	45	2	6.555	ug/l	21.45	316.68	3.314E-03	Pulse	0.20	3
V	51	45	2	9.353	ug/l	2.77	13,313.89	1.400E-01	Pulse	0.20	3
Cr	52	45	2	1.439	ug/l	11.42	3,953.89	4.160E-02	Pulse	0.20	3
Mn	55	45	2	377.630	ug/l	1.63	365,155.53	3.838E+00	Pulse	0.20	3
Fe	56	45	2	361.579	ug/l	2.50	509,760.50	5.359E+00	Pulse	0.20	3
Co	59	45	2	1.149	ug/l	3.65	3,053.67	3.211E-02	Pulse	0.20	3
Ni	60	45	2	8.986	ug/l	5.10	6,309.66	6.636E-02	Pulse	0.20	3
Cu	63	45	2	2.523	ug/l	1.37	4,619.08	4.855E-02	Pulse	0.20	3
Cu	65	45	2	2.670	ug/l	5.45	2,428.56	2.555E-02	Pulse	0.20	3
Zn	66	45	2	23.187	ug/l	6.32	7,079.99	7.448E-02	Pulse	0.20	3
As	75	45	2	15.044	ug/l	3.06	2,992.29	3.145E-02	Pulse	0.50	3
Se	78	45	2	19.591	ug/l	5.62	361.01	3.796E-03	Pulse	1.00	3
Se	78	45	3	18.973	ug/l	2.62	874.70	6.230E-03	Pulse	1.00	3
Sr	88	45	1	623.867	ug/l	6.04	9,634,805.06	4.977E+00	Analog	0.10	3
Mo	95	103	1	5.805	ug/l	6.73	15,237.82	6.688E-03	Pulse	0.10	3
Ag	107	115	1	0.003	ug/l	23.36	90.00	3.350E-05	Pulse	0.10	3
Cd	111	115	1	0.347	ug/l	14.56	477.35	1.792E-04	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.373	ug/l	6.19	208.00	3.126E-04	Pulse	0.25	3
Sn	117	115	1	0.075	ug/l	62.16	156.67	5.881E-05	Pulse	0.10	3
Sn	118	115	1	0.064	ug/l	19.86	443.36	1.655E-04	Pulse	0.10	3
Sn	118	115	2	0.073	ug/l	77.04	143.34	2.150E-04	Pulse	0.10	3
Sn	119	115	1	0.071	ug/l	41.66	330.02	1.224E-04	Pulse	0.10	3
Sb	121	159	1	0.097	ug/l	16.11	723.38	1.627E-04	Pulse	0.10	3
Ba	137	159	1	159.335	ug/l	4.88	402,698.08	9.070E-02	Pulse	0.10	3
Tl	205	209	1	0.329	ug/l	12.74	4,164.09	1.808E-03	Pulse	0.10	3
Pb	208	209	1	0.330	ug/l	7.84	5,957.41	2.584E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	977,322.92	5.13	55.3	Pulse	0.10	3
1	Sc	45	1,941,876.43	7.99	57.0	Analog	0.10	3
2	Sc	45	95,161.92	2.88	49.3	Pulse	0.10	3
3	Sc	45	140,377.21	1.40	46.8	Pulse	0.10	3
1	Ge	72	378,991.69	6.53	56.3	Pulse	0.10	3
2	Ge	72	60,275.90	2.58	52.1	Pulse	0.10	3
3	Ge	72	70,543.44	0.94	47.7	Pulse	0.10	3
1	Rh	103	2,283,415.07	6.43	55.6	Analog	0.10	3
2	Rh	103	1,288,637.61	2.17	50.2	Pulse	0.10	3
1	In	115	2,681,264.79	6.66	63.6	Analog	0.10	3
2	In	115	665,746.76	2.02	54.7	Pulse	0.10	3
1	Tb	159	4,447,741.91	5.57	74.2	Analog	0.10	3
2	Tb	159	2,492,572.04	2.34	62.8	Analog	0.10	3
1	Ho	165	4,275,581.60	6.38	76.2	Analog	0.10	3
2	Ho	165	2,455,829.81	2.07	64.4	Analog	0.10	3
1	Bi	209	2,310,860.49	6.14	70.5	Analog	0.10	3
2	Bi	209	1,505,399.04	1.69	59.0	Analog	0.10	3

Quantitation Report

File Name	126SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 1:15
Sample Name	fa113-2f
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.012	ug/l	-47.33	28.00	3.625E-05	Pulse	0.25	3
B	11	6	1	70.741	ug/l	2.90	70,945.06	9.225E-02	Pulse	0.15	3
Na	23	45	1	77761.266	ug/l	0.98	394,439,727.46	2.782E+02	Analog	0.10	3
Na	23	45	2	75325.472	ug/l	4.22	15,211,907.27	1.785E+02	Analog	0.20	3
Mg	24	45	1	76681.278	ug/l	1.05	265,165,756.05	1.870E+02	Analog	0.10	3
Mg	24	45	2	74465.350	ug/l	4.45	7,819,158.63	9.177E+01	Analog	0.20	3
Al	27	45	1	85.053	ug/l	0.57	399,689.58	2.819E-01	Pulse	0.10	3
Al	27	45	2	78.876	ug/l	1.32	3,272.05	3.834E-02	Pulse	0.20	3
K	39	45	1	13125.528	ug/l	0.98	87,024,940.37	6.137E+01	Analog	0.10	3
K	39	45	2	12613.497	ug/l	4.16	1,447,169.40	1.698E+01	Analog	0.20	3
Ca	43	45	1	210781.623	ug/l	0.81	2,773,692.84	1.956E+00	Analog	1.50	3
Ca	43	45	2	213376.889	ug/l	4.01	77,030.28	9.037E-01	Pulse	1.50	3
Ca	44	45	1	218478.230	ug/l	1.04	45,123,344.33	3.182E+01	Analog	0.10	3
Ca	44	45	2	212838.588	ug/l	5.06	1,334,099.43	1.567E+01	Mix	0.20	3
Ti	47	45	1	8.937	ug/l	2.90	5,311.05	3.748E-03	Pulse	0.10	3
Ti	47	45	2	4.784	ug/l	29.20	203.34	2.419E-03	Pulse	0.20	3
V	51	45	2	6.219	ug/l	6.07	7,975.42	9.362E-02	Pulse	0.20	3
Cr	52	45	2	1.181	ug/l	29.58	3,115.35	3.685E-02	Pulse	0.20	3
Mn	55	45	2	349.103	ug/l	4.44	302,356.33	3.548E+00	Pulse	0.20	3
Fe	56	45	2	228.266	ug/l	4.40	288,709.35	3.388E+00	Pulse	0.20	3
Co	59	45	2	1.112	ug/l	8.12	2,655.27	3.111E-02	Pulse	0.20	3
Ni	60	45	2	3.526	ug/l	7.64	2,261.86	2.661E-02	Pulse	0.20	3
Cu	63	45	2	1.521	ug/l	7.40	2,505.25	2.943E-02	Pulse	0.20	3
Cu	65	45	2	1.529	ug/l	7.63	1,263.41	1.476E-02	Pulse	0.20	3
Zn	66	45	2	1446.332	ug/l	4.41	392,961.57	4.612E+00	Pulse	0.20	3
As	75	45	2	7.010	ug/l	4.48	1,251.39	1.469E-02	Pulse	0.50	3
Se	78	45	2	13.578	ug/l	17.34	225.67	2.670E-03	Pulse	1.00	3
Se	78	45	3	12.861	ug/l	5.52	556.01	4.225E-03	Pulse	1.00	3
Sr	88	45	1	483.409	ug/l	0.93	5,469,102.63	3.857E+00	Analog	0.10	3
Mo	95	103	1	2.212	ug/l	4.54	4,507.47	2.569E-03	Pulse	0.10	3
Ag	107	115	1	0.013	ug/l	53.45	120.00	5.840E-05	Pulse	0.10	3
Cd	111	115	1	0.209	ug/l	12.50	225.34	1.093E-04	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.237	ug/l	4.63	124.00	1.993E-04	Pulse	0.25	3
Sn	117	115	1	0.199	ug/l	19.10	246.68	1.196E-04	Pulse	0.10	3
Sn	118	115	1	0.132	ug/l	16.34	560.03	2.723E-04	Pulse	0.10	3
Sn	118	115	2	0.177	ug/l	6.02	260.02	4.175E-04	Pulse	0.10	3
Sn	119	115	1	0.110	ug/l	61.17	296.68	1.445E-04	Pulse	0.10	3
Sb	121	159	1	0.327	ug/l	7.52	1,443.46	4.230E-04	Pulse	0.10	3
Ba	137	159	1	113.524	ug/l	1.13	220,895.90	6.466E-02	Pulse	0.10	3
Tl	205	209	1	0.290	ug/l	4.40	3,037.10	1.613E-03	Pulse	0.10	3
Pb	208	209	1	0.681	ug/l	6.32	9,471.63	5.025E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	768,980.69	2.82	43.5	Pulse	0.10	3
1	Sc	45	1,417,814.93	3.35	41.6	Analog	0.10	3
2	Sc	45	85,407.97	9.80	44.3	Pulse	0.10	3
3	Sc	45	131,798.98	4.89	43.9	Pulse	0.10	3
1	Ge	72	293,527.88	3.05	43.6	Pulse	0.10	3
2	Ge	72	54,850.56	9.98	47.4	Pulse	0.10	3
3	Ge	72	67,149.66	5.62	45.4	Pulse	0.10	3
1	Rh	103	1,753,445.86	3.16	42.7	Analog	0.10	3
2	Rh	103	1,207,364.82	8.07	47.0	Mix	0.10	3
1	In	115	2,056,350.98	3.43	48.8	Analog	0.10	3
2	In	115	623,003.00	9.86	51.2	Pulse	0.10	3
1	Tb	159	3,415,483.70	3.34	56.9	Analog	0.10	3
2	Tb	159	2,354,832.31	8.99	59.4	Analog	0.10	3
1	Ho	165	3,268,386.31	3.14	58.3	Analog	0.10	3
2	Ho	165	2,326,805.64	9.49	61.0	Analog	0.10	3
1	Bi	209	1,882,981.90	2.82	57.4	Analog	0.10	3
2	Bi	209	1,474,533.83	7.55	57.8	Analog	0.10	3

Quantitation Report

File Name	127SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 1:20
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	44.526	ug/l	1.28	67,184.23	7.237E-02	Pulse	0.25	3
B	11	6	1	42.341	ug/l	0.28	51,930.53	5.594E-02	Pulse	0.15	3
Na	23	45	1	4596.738	ug/l	1.41	28,064,146.25	1.651E+01	Analog	0.10	3
Na	23	45	2	4493.361	ug/l	1.10	1,047,843.58	1.069E+01	Pulse	0.20	3
Mg	24	45	1	4583.419	ug/l	1.53	19,001,158.05	1.118E+01	Analog	0.10	3
Mg	24	45	2	4492.909	ug/l	1.58	542,727.70	5.538E+00	Pulse	0.20	3
Al	27	45	1	4455.476	ug/l	1.22	24,992,103.80	1.470E+01	Analog	0.10	3
Al	27	45	2	4500.218	ug/l	1.01	213,012.62	2.173E+00	Pulse	0.20	3
K	39	45	1	4521.632	ug/l	1.17	36,309,313.63	2.136E+01	Analog	0.10	3
K	39	45	2	4540.565	ug/l	1.23	602,016.20	6.142E+00	Pulse	0.20	3
Ca	43	45	1	4601.408	ug/l	0.75	72,647.62	4.273E-02	Pulse	1.50	3
Ca	43	45	2	4857.082	ug/l	1.36	2,016.79	2.058E-02	Pulse	1.50	3
Ca	44	45	1	4773.022	ug/l	1.06	1,182,874.85	6.958E-01	Pulse	0.10	3
Ca	44	45	2	4786.195	ug/l	0.85	34,551.15	3.525E-01	Pulse	0.20	3
Ti	47	45	1	46.524	ug/l	2.18	33,050.71	1.944E-02	Pulse	0.10	3
Ti	47	45	2	48.352	ug/l	6.64	2,396.89	2.445E-02	Pulse	0.20	3
V	51	45	2	47.312	ug/l	2.24	68,737.12	7.014E-01	Pulse	0.20	3
Cr	52	45	2	47.191	ug/l	2.42	86,762.58	8.853E-01	Pulse	0.20	3
Mn	55	45	2	48.612	ug/l	0.95	48,437.72	4.942E-01	Pulse	0.20	3
Fe	56	45	2	4583.999	ug/l	1.25	6,644,165.53	6.779E+01	Analog	0.20	3
Co	59	45	2	45.950	ug/l	2.12	124,344.09	1.269E+00	Pulse	0.20	3
Ni	60	45	2	44.230	ug/l	1.67	31,660.77	3.230E-01	Pulse	0.20	3
Cu	63	45	2	45.629	ug/l	1.81	85,366.90	8.710E-01	Pulse	0.20	3
Cu	65	45	2	46.133	ug/l	2.26	42,755.94	4.363E-01	Pulse	0.20	3
Zn	66	45	2	48.918	ug/l	0.97	15,342.38	1.565E-01	Pulse	0.20	3
As	75	45	2	49.127	ug/l	1.94	10,050.48	1.025E-01	Pulse	0.50	3
Se	78	45	2	50.633	ug/l	0.53	942.03	9.611E-03	Pulse	1.00	3
Se	78	45	3	49.992	ug/l	2.86	2,514.87	1.641E-02	Pulse	1.00	3
Sr	88	45	1	54.055	ug/l	1.46	733,316.19	4.314E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	47.186	ug/l	0.53	122,637.26	5.413E-02	Pulse	0.10	3
Ag	107	115	1	43.730	ug/l	1.02	261,699.60	1.032E-01	Pulse	0.10	3
Cd	111	115	1	46.054	ug/l	0.37	59,173.89	2.333E-02	Pulse	0.25	3
Cd	111	115	2	46.662	ug/l	0.95	28,038.28	3.879E-02	Pulse	0.25	3
Sn	117	115	1	48.394	ug/l	0.42	60,350.06	2.379E-02	Pulse	0.10	3
Sn	118	115	1	47.998	ug/l	0.89	191,258.77	7.539E-02	Pulse	0.10	3
Sn	118	115	2	49.374	ug/l	1.77	69,946.28	9.676E-02	Pulse	0.10	3
Sn	119	115	1	48.576	ug/l	2.49	70,026.76	2.760E-02	Pulse	0.10	3
Sb	121	159	1	50.936	ug/l	0.14	230,571.84	5.784E-02	Pulse	0.10	3
Ba	137	159	1	45.790	ug/l	1.45	104,282.87	2.616E-02	Pulse	0.10	3
Tl	205	209	1	44.584	ug/l	2.18	511,281.84	2.278E-01	Pulse	0.10	3
Pb	208	209	1	48.579	ug/l	1.13	760,789.60	3.389E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	928,374.20	0.79	52.6	Pulse	0.10	3
1	Sc	45	1,699,999.30	0.66	49.9	Analog	0.10	3
2	Sc	45	98,021.84	1.25	50.8	Pulse	0.10	3
3	Sc	45	153,283.87	0.39	51.1	Pulse	0.10	3
1	Ge	72	339,737.46	0.71	50.4	Pulse	0.10	3
2	Ge	72	60,098.23	2.44	52.0	Pulse	0.10	3
3	Ge	72	74,888.67	2.45	50.6	Pulse	0.10	3
1	Rh	103	2,265,495.12	0.26	55.2	Analog	0.10	3
2	Rh	103	1,435,163.26	0.56	55.9	Analog	0.10	3
1	In	115	2,536,859.52	0.12	60.2	Analog	0.10	3
2	In	115	722,916.50	0.59	59.4	Pulse	0.10	3
1	Tb	159	3,986,122.23	0.81	66.5	Analog	0.10	3
2	Tb	159	2,581,131.47	0.44	65.1	Analog	0.10	3
1	Ho	165	3,803,266.50	0.12	67.8	Analog	0.10	3
2	Ho	165	2,543,341.68	0.74	66.7	Analog	0.10	3
1	Bi	209	2,244,747.52	0.10	68.5	Analog	0.10	3
2	Bi	209	1,674,453.72	0.34	65.7	Analog	0.10	3

Quantitation Report

File Name	128SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 1:25
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.018	ug/l	-24.82	28.00	2.758E-05	Pulse	0.25	3
B	11	6	1	2.300	ug/l	11.81	4,820.82	4.741E-03	Pulse	0.15	3
Na	23	45	1	32.597	ug/l	11.92	348,498.95	1.860E-01	Pulse	0.10	3
Na	23	45	2	21.094	ug/l	5.41	10,171.61	9.489E-02	Pulse	0.20	3
Mg	24	45	1	20.116	ug/l	15.32	93,225.69	4.979E-02	Pulse	0.10	3
Mg	24	45	2	10.284	ug/l	7.43	1,396.75	1.303E-02	Pulse	0.20	3
Al	27	45	1	1.129	ug/l	14.70	9,322.95	4.978E-03	Pulse	0.10	3
Al	27	45	2	0.481	ug/l	84.65	51.67	4.827E-04	Pulse	0.20	3
K	39	45	1	0.977	ug/l	94.32	628,901.03	3.356E-01	Pulse	0.10	3
K	39	45	2	0.049	ug/l	2448.14	4,887.49	4.558E-02	Pulse	0.20	3
Ca	43	45	1	40.643	ug/l	13.29	764.24	4.081E-04	Pulse	1.50	3
Ca	43	45	2	16.995	ug/l	11.97	8.22	7.662E-05	Pulse	1.50	3
Ca	44	45	1	46.006	ug/l	12.10	13,859.72	7.401E-03	Pulse	0.10	3
Ca	44	45	2	20.972	ug/l	29.54	181.67	1.692E-03	Pulse	0.20	3
Ti	47	45	1	0.061	ug/l	53.60	80.01	4.261E-05	Pulse	0.10	3
Ti	47	45	2	0.092	ug/l	100.54	5.00	4.657E-05	Pulse	0.20	3
V	51	45	2	0.002	ug/l	1522.82	178.34	1.666E-03	Pulse	0.20	3
Cr	52	45	2	0.582	ug/l	14.05	2,765.29	2.581E-02	Pulse	0.20	3
Mn	55	45	2	0.051	ug/l	36.96	61.67	5.754E-04	Pulse	0.20	3
Fe	56	45	2	0.814	ug/l	8.20	2,668.61	2.490E-02	Pulse	0.20	3
Co	59	45	2	-0.011	ug/l	-24.62	11.67	1.091E-04	Pulse	0.20	3
Ni	60	45	2	0.045	ug/l	138.48	135.00	1.258E-03	Pulse	0.20	3
Cu	63	45	2	0.022	ug/l	14.73	88.33	8.243E-04	Pulse	0.20	3
Cu	65	45	2	-0.012	ug/l	-49.05	21.67	2.020E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.082	ug/l	53.80	86.67	8.081E-04	Pulse	0.20	3
As	75	45	2	0.010	ug/l	231.27	10.00	9.296E-05	Pulse	0.50	3
Se	78	45	2	0.270	ug/l	47.24	19.00	1.772E-04	Pulse	1.00	3
Se	78	45	3	0.105	ug/l	97.93	6.67	4.002E-05	Pulse	1.00	3
Sr	88	45	1	0.124	ug/l	10.70	2,113.56	1.128E-03	Pulse	0.10	3
Mo	95	103	1	0.084	ug/l	29.60	323.35	1.302E-04	Pulse	0.10	3
Ag	107	115	1	0.008	ug/l	74.69	126.67	4.641E-05	Pulse	0.10	3
Cd	111	115	1	0.008	ug/l	37.83	20.00	7.330E-06	Pulse	0.25	3
Cd	111	115	2	-0.001	ug/l	-577.20	1.33	1.690E-06	Pulse	0.25	3
Sn	117	115	1	0.067	ug/l	20.01	150.01	5.500E-05	Pulse	0.10	3
Sn	118	115	1	0.107	ug/l	8.05	636.71	2.334E-04	Pulse	0.10	3
Sn	118	115	2	0.141	ug/l	33.85	273.35	3.472E-04	Pulse	0.10	3
Sn	119	115	1	0.002	ug/l	3075.71	226.68	8.304E-05	Pulse	0.10	3
Sb	121	159	1	0.057	ug/l	40.34	480.03	1.164E-04	Pulse	0.10	3
Ba	137	159	1	-0.013	ug/l	-121.21	520.03	1.261E-04	Pulse	0.10	3
Tl	205	209	1	0.289	ug/l	12.01	3,733.94	1.606E-03	Pulse	0.10	3
Pb	208	209	1	-0.012	ug/l	-26.76	463.36	1.992E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,016,853.49	0.89	57.6	Pulse	0.10	3
1	Sc	45	1,874,023.36	0.95	55.0	Analog	0.10	3
2	Sc	45	107,200.92	1.11	55.6	Pulse	0.10	3
3	Sc	45	165,770.31	1.09	55.3	Pulse	0.10	3
1	Ge	72	378,773.50	0.64	56.2	Pulse	0.10	3
2	Ge	72	66,774.42	2.58	57.8	Pulse	0.10	3
3	Ge	72	82,763.91	0.42	56.0	Pulse	0.10	3
1	Rh	103	2,483,870.38	0.20	60.5	Analog	0.10	3
2	Rh	103	1,559,409.67	0.78	60.7	Analog	0.10	3
1	In	115	2,728,356.46	0.41	64.7	Analog	0.10	3
2	In	115	786,699.96	1.20	64.7	Pulse	0.10	3
1	Tb	159	4,123,780.67	0.28	68.7	Analog	0.10	3
2	Tb	159	2,712,881.94	0.14	68.4	Analog	0.10	3
1	Ho	165	3,902,365.36	0.24	69.6	Analog	0.10	3
2	Ho	165	2,645,252.46	0.26	69.4	Analog	0.10	3
1	Bi	209	2,324,023.87	0.95	70.9	Analog	0.10	3
2	Bi	209	1,764,889.35	0.61	69.2	Analog	0.10	3

Quantitation Report

File Name	129SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 1:31
Sample Name	fa113-3f 1
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.011	ug/l	-34.16	34.67	3.806E-05	Pulse	0.25	3
B	11	6	1	28.261	ug/l	2.18	34,493.23	3.793E-02	Pulse	0.15	3
Na	23	45	1	56683.623	ug/l	4.03	378,622,567.69	2.028E+02	Analog	0.10	3
Na	23	45	2	59059.710	ug/l	6.80	12,825,186.06	1.400E+02	Analog	0.20	3
Mg	24	45	1	121966.164	ug/l	4.20	555,278,058.39	2.974E+02	Analog	0.10	3
Mg	24	45	2	128009.114	ug/l	7.45	14,449,545.20	1.578E+02	Analog	0.20	3
Al	27	45	1	39.434	ug/l	4.27	245,229.95	1.314E-01	Pulse	0.10	3
Al	27	45	2	41.438	ug/l	9.20	1,853.47	2.026E-02	Pulse	0.20	3
K	39	45	1	6746.782	ug/l	3.89	59,200,135.79	3.171E+01	Analog	0.10	3
K	39	45	2	7034.671	ug/l	6.17	870,094.18	9.491E+00	Pulse	0.20	3
Ca	43	45	1	291002.017	ug/l	4.55	5,041,464.44	2.701E+00	Analog	1.50	3
Ca	43	45	2	311676.495	ug/l	6.98	120,966.59	1.320E+00	Pulse	1.50	3
Ca	44	45	1	299784.256	ug/l	4.36	81,510,293.79	4.366E+01	Analog	0.10	3
Ca	44	45	2	304322.896	ug/l	6.76	2,052,609.24	2.240E+01	Analog	0.20	3
Ti	47	45	1	3.491	ug/l	12.33	2,747.00	1.474E-03	Pulse	0.10	3
Ti	47	45	2	2.398	ug/l	26.45	111.67	1.212E-03	Pulse	0.20	3
V	51	45	2	4.260	ug/l	7.57	5,929.51	6.465E-02	Pulse	0.20	3
Cr	52	45	2	1.878	ug/l	28.33	4,500.71	4.971E-02	Pulse	0.20	3
Mn	55	45	2	100.459	ug/l	6.24	93,635.11	1.021E+00	Pulse	0.20	3
Fe	56	45	2	1308.243	ug/l	7.11	1,773,241.69	1.936E+01	Analog	0.20	3
Co	59	45	2	1.624	ug/l	11.54	4,128.94	4.523E-02	Pulse	0.20	3
Ni	60	45	2	4.010	ug/l	5.13	2,758.62	3.013E-02	Pulse	0.20	3
Cu	63	45	2	0.697	ug/l	5.34	1,258.41	1.370E-02	Pulse	0.20	3
Cu	65	45	2	0.778	ug/l	12.96	705.03	7.664E-03	Pulse	0.20	3
Zn	66	45	2	27.691	ug/l	10.78	8,127.18	8.884E-02	Pulse	0.20	3
As	75	45	2	4.837	ug/l	2.84	934.03	1.016E-02	Pulse	0.50	3
Se	78	45	2	3.126	ug/l	18.23	64.67	7.121E-04	Pulse	1.00	3
Se	78	45	3	3.489	ug/l	7.20	143.67	1.150E-03	Pulse	1.00	3
Sr	88	45	1	563.153	ug/l	5.15	8,386,572.37	4.493E+00	Analog	0.10	3
Mo	95	103	1	0.714	ug/l	11.67	1,926.85	8.517E-04	Pulse	0.10	3
Ag	107	115	1	0.004	ug/l	81.72	96.67	3.653E-05	Pulse	0.10	3
Cd	111	115	1	0.168	ug/l	11.20	233.34	8.866E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.204	ug/l	14.44	114.67	1.716E-04	Pulse	0.25	3
Sn	117	115	1	0.527	ug/l	14.25	740.05	2.812E-04	Pulse	0.10	3
Sn	118	115	1	0.495	ug/l	5.17	2,216.92	8.412E-04	Pulse	0.10	3
Sn	118	115	2	0.444	ug/l	9.97	626.70	9.416E-04	Pulse	0.10	3
Sn	119	115	1	0.820	ug/l	7.97	1,440.12	5.466E-04	Pulse	0.10	3
Sb	121	159	1	1.104	ug/l	1.22	5,687.90	1.305E-03	Pulse	0.10	3
Ba	137	159	1	45.362	ug/l	4.16	112,950.10	2.592E-02	Pulse	0.10	3
Tl	205	209	1	0.195	ug/l	10.89	2,533.64	1.124E-03	Pulse	0.10	3
Pb	208	209	1	0.372	ug/l	6.61	6,487.49	2.875E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	909,378.77	2.36	51.5	Pulse	0.10	3
1	Sc	45	1,868,969.03	4.13	54.9	Analog	0.10	3
2	Sc	45	91,940.83	12.41	47.7	Pulse	0.10	3
3	Sc	45	125,002.20	2.31	41.7	Pulse	0.10	3
1	Ge	72	358,834.24	2.14	53.3	Pulse	0.10	3
2	Ge	72	55,844.67	12.43	48.3	Pulse	0.10	3
3	Ge	72	62,156.32	1.79	42.0	Pulse	0.10	3
1	Rh	103	2,260,551.53	3.32	55.1	Analog	0.10	3
2	Rh	103	1,286,012.19	9.83	50.1	Mix	0.10	3
1	In	115	2,637,606.69	3.12	62.5	Analog	0.10	3
2	In	115	668,898.39	12.84	55.0	Pulse	0.10	3
1	Tb	159	4,360,882.02	2.90	72.7	Analog	0.10	3
2	Tb	159	2,495,593.30	12.24	62.9	Analog	0.10	3
1	Ho	165	4,183,432.96	3.37	74.6	Analog	0.10	3
2	Ho	165	2,455,700.43	12.17	64.4	Analog	0.10	3
1	Bi	209	2,258,317.83	2.50	68.9	Analog	0.10	3
2	Bi	209	1,502,868.15	10.41	58.9	Analog	0.10	3

Quantitation Report

File Name	130SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 1:36
Sample Name	f99982-1
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.013	ug/l	32.84	66.67	7.682E-05	Pulse	0.25	3
B	11	6	1	11.760	ug/l	4.79	14,611.00	1.684E-02	Pulse	0.15	3
Na	23	45	1	9277.370	ug/l	2.10	54,044,077.53	3.325E+01	Analog	0.10	3
Na	23	45	2	9282.196	ug/l	0.80	1,987,347.52	2.204E+01	Analog	0.20	3
Mg	24	45	1	5989.858	ug/l	2.41	23,743,173.81	1.461E+01	Analog	0.10	3
Mg	24	45	2	6003.239	ug/l	1.32	667,345.38	7.399E+00	Pulse	0.20	3
Al	27	45	1	77.027	ug/l	19.07	415,168.59	2.554E-01	Pulse	0.10	3
Al	27	45	2	73.462	ug/l	6.25	3,220.49	3.572E-02	Pulse	0.20	3
K	39	45	1	2415.471	ug/l	1.86	18,797,560.55	1.156E+01	Analog	0.10	3
K	39	45	2	2441.465	ug/l	1.02	299,736.53	3.324E+00	Pulse	0.20	3
Ca	43	45	1	13487.841	ug/l	1.54	203,519.07	1.252E-01	Pulse	1.50	3
Ca	43	45	2	14323.357	ug/l	1.59	5,471.79	6.067E-02	Pulse	1.50	3
Ca	44	45	1	13606.040	ug/l	1.65	3,222,123.39	1.982E+00	Analog	0.10	3
Ca	44	45	2	14011.297	ug/l	1.13	93,031.65	1.032E+00	Pulse	0.20	3
Ti	47	45	1	2.419	ug/l	10.34	1,670.22	1.027E-03	Pulse	0.10	3
Ti	47	45	2	3.597	ug/l	94.28	165.07	1.819E-03	Pulse	0.20	3
V	51	45	2	0.900	ug/l	3.76	1,348.42	1.495E-02	Pulse	0.20	3
Cr	52	45	2	1.411	ug/l	7.08	3,707.16	4.110E-02	Pulse	0.20	3
Mn	55	45	2	21.178	ug/l	1.43	19,419.98	2.153E-01	Pulse	0.20	3
Fe	56	45	2	808.651	ug/l	0.77	1,079,405.66	1.197E+01	Pulse	0.20	3
Co	59	45	2	0.261	ug/l	24.53	686.70	7.605E-03	Pulse	0.20	3
Ni	60	45	2	1.691	ug/l	7.35	1,195.07	1.325E-02	Pulse	0.20	3
Cu	63	45	2	1.721	ug/l	6.50	3,000.33	3.325E-02	Pulse	0.20	3
Cu	65	45	2	1.797	ug/l	6.89	1,560.11	1.729E-02	Pulse	0.20	3
Zn	66	45	2	25.735	ug/l	4.04	7,451.85	8.261E-02	Pulse	0.20	3
As	75	45	2	0.628	ug/l	1.66	124.67	1.382E-03	Pulse	0.50	3
Se	78	45	2	0.585	ug/l	39.87	21.33	2.363E-04	Pulse	1.00	3
Se	78	45	3	0.240	ug/l	33.08	12.00	8.440E-05	Pulse	1.00	3
Sr	88	45	1	103.067	ug/l	1.03	1,336,854.41	8.224E-01	Mix	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.040	ug/l	54.60	173.34	7.961E-05	Pulse	0.10	3
Ag	107	115	1	0.009	ug/l	69.65	116.67	4.720E-05	Pulse	0.10	3
Cd	111	115	1	0.019	ug/l	34.04	32.00	1.294E-05	Pulse	0.25	3
Cd	111	115	2	0.030	ug/l	127.60	18.67	2.711E-05	Pulse	0.25	3
Sn	117	115	1	0.070	ug/l	31.54	140.01	5.664E-05	Pulse	0.10	3
Sn	118	115	1	0.106	ug/l	29.35	573.37	2.318E-04	Pulse	0.10	3
Sn	118	115	2	0.095	ug/l	24.12	176.68	2.581E-04	Pulse	0.10	3
Sn	119	115	1	-0.024	ug/l	-52.13	170.01	6.875E-05	Pulse	0.10	3
Sb	121	159	1	0.068	ug/l	39.82	506.70	1.293E-04	Pulse	0.10	3
Ba	137	159	1	39.635	ug/l	1.44	88,830.20	2.266E-02	Pulse	0.10	3
Tl	205	209	1	0.057	ug/l	14.41	926.74	4.220E-04	Pulse	0.10	3
Pb	208	209	1	0.168	ug/l	11.61	3,183.60	1.450E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	867,699.65	0.33	49.1	Pulse	0.10	3
1	Sc	45	1,625,626.12	0.90	47.7	Analog	0.10	3
2	Sc	45	90,187.66	1.10	46.8	Pulse	0.10	3
3	Sc	45	142,432.39	0.85	47.5	Pulse	0.10	3
1	Ge	72	330,364.70	0.84	49.0	Pulse	0.10	3
2	Ge	72	58,027.78	0.42	50.2	Pulse	0.10	3
3	Ge	72	70,215.25	0.46	47.5	Pulse	0.10	3
1	Rh	103	2,177,348.72	0.06	53.1	Analog	0.10	3
2	Rh	103	1,357,223.62	1.26	52.8	Mix	0.10	3
1	In	115	2,472,747.87	0.34	58.6	Analog	0.10	3
2	In	115	683,956.11	1.10	56.2	Pulse	0.10	3
1	Tb	159	3,920,133.28	0.80	65.4	Analog	0.10	3
2	Tb	159	2,470,794.81	0.52	62.3	Analog	0.10	3
1	Ho	165	3,735,156.92	0.98	66.6	Analog	0.10	3
2	Ho	165	2,440,041.47	0.54	64.0	Analog	0.10	3
1	Bi	209	2,195,915.96	0.14	67.0	Analog	0.10	3
2	Bi	209	1,621,679.51	0.89	63.6	Analog	0.10	3

Quantitation Report

File Name	131SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 1:41
Sample Name	f99982-3
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.043	ug/l	28.52	102.67	1.260E-04	Pulse	0.25	3
B	11	6	1	11.233	ug/l	1.97	13,167.62	1.616E-02	Pulse	0.15	3
Na	23	45	1	9338.358	ug/l	1.16	48,869,390.94	3.347E+01	Analog	0.10	3
Na	23	45	2	9396.602	ug/l	6.19	1,781,435.13	2.231E+01	Analog	0.20	3
Mg	24	45	1	6103.430	ug/l	1.10	21,734,843.01	1.488E+01	Analog	0.10	3
Mg	24	45	2	6069.844	ug/l	6.66	597,306.44	7.481E+00	Pulse	0.20	3
Al	27	45	1	264.470	ug/l	1.46	1,276,156.21	8.739E-01	Mix	0.10	3
Al	27	45	2	272.020	ug/l	8.54	10,501.81	1.316E-01	Pulse	0.20	3
K	39	45	1	2467.072	ug/l	1.86	17,236,613.91	1.180E+01	Analog	0.10	3
K	39	45	2	2519.149	ug/l	6.71	273,711.60	3.428E+00	Pulse	0.20	3
Ca	43	45	1	13661.696	ug/l	0.68	185,186.53	1.268E-01	Pulse	1.50	3
Ca	43	45	2	14518.560	ug/l	8.36	4,907.39	6.150E-02	Pulse	1.50	3
Ca	44	45	1	13749.331	ug/l	0.53	2,925,104.54	2.003E+00	Analog	0.10	3
Ca	44	45	2	14191.084	ug/l	6.44	83,424.44	1.045E+00	Pulse	0.20	3
Ti	47	45	1	6.789	ug/l	2.24	4,164.10	2.852E-03	Pulse	0.10	3
Ti	47	45	2	6.386	ug/l	2.38	258.34	3.229E-03	Pulse	0.20	3
V	51	45	2	1.920	ug/l	5.92	2,400.23	3.004E-02	Pulse	0.20	3
Cr	52	45	2	2.121	ug/l	7.55	4,332.31	5.418E-02	Pulse	0.20	3
Mn	55	45	2	257.858	ug/l	7.00	209,243.80	2.621E+00	Pulse	0.20	3
Fe	56	45	2	1710.599	ug/l	6.76	2,020,364.24	2.530E+01	Analog	0.20	3
Co	59	45	2	1.628	ug/l	5.04	3,623.80	4.535E-02	Pulse	0.20	3
Ni	60	45	2	2.584	ug/l	9.56	1,575.11	1.974E-02	Pulse	0.20	3
Cu	63	45	2	1.886	ug/l	2.31	2,911.98	3.641E-02	Pulse	0.20	3
Cu	65	45	2	1.838	ug/l	10.54	1,410.09	1.768E-02	Pulse	0.20	3
Zn	66	45	2	29.141	ug/l	6.75	7,465.18	9.346E-02	Pulse	0.20	3
As	75	45	2	0.908	ug/l	13.37	156.67	1.966E-03	Pulse	0.50	3
Se	78	45	2	0.647	ug/l	74.70	19.67	2.479E-04	Pulse	1.00	3
Se	78	45	3	0.160	ug/l	34.08	7.67	5.822E-05	Pulse	1.00	3
Sr	88	45	1	104.651	ug/l	0.71	1,219,369.43	8.350E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.079	ug/l	22.55	243.35	1.244E-04	Pulse	0.10	3
Ag	107	115	1	0.012	ug/l	15.90	120.00	5.452E-05	Pulse	0.10	3
Cd	111	115	1	0.028	ug/l	32.25	38.67	1.756E-05	Pulse	0.25	3
Cd	111	115	2	0.019	ug/l	51.36	10.67	1.761E-05	Pulse	0.25	3
Sn	117	115	1	0.075	ug/l	53.46	130.01	5.905E-05	Pulse	0.10	3
Sn	118	115	1	0.107	ug/l	17.04	513.36	2.332E-04	Pulse	0.10	3
Sn	118	115	2	0.067	ug/l	35.75	123.34	2.018E-04	Pulse	0.10	3
Sn	119	115	1	0.023	ug/l	34.77	210.01	9.542E-05	Pulse	0.10	3
Sb	121	159	1	0.066	ug/l	37.52	436.69	1.267E-04	Pulse	0.10	3
Ba	137	159	1	52.907	ug/l	1.11	104,107.93	3.021E-02	Pulse	0.10	3
Tl	205	209	1	0.073	ug/l	10.68	986.75	5.030E-04	Pulse	0.10	3
Pb	208	209	1	1.059	ug/l	4.00	15,036.88	7.662E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	814,689.13	0.77	46.1	Pulse	0.10	3
1	Sc	45	1,460,277.01	0.60	42.9	Analog	0.10	3
2	Sc	45	80,030.49	5.27	41.5	Pulse	0.10	3
3	Sc	45	131,939.47	1.51	44.0	Pulse	0.10	3
1	Ge	72	300,935.01	0.29	44.7	Pulse	0.10	3
2	Ge	72	52,402.21	1.71	45.3	Pulse	0.10	3
3	Ge	72	66,148.29	1.78	44.7	Pulse	0.10	3
1	Rh	103	1,955,488.46	0.22	47.6	Analog	0.10	3
2	Rh	103	1,222,624.62	3.06	47.6	Pulse	0.10	3
1	In	115	2,200,843.56	0.24	52.2	Analog	0.10	3
2	In	115	608,599.29	2.73	50.0	Pulse	0.10	3
1	Tb	159	3,446,676.41	0.14	57.5	Analog	0.10	3
2	Tb	159	2,178,642.05	3.48	54.9	Analog	0.10	3
1	Ho	165	3,283,633.70	0.11	58.5	Analog	0.10	3
2	Ho	165	2,138,214.14	3.66	56.1	Analog	0.10	3
1	Bi	209	1,962,538.51	0.76	59.9	Analog	0.10	3
2	Bi	209	1,431,806.33	3.33	56.2	Analog	0.10	3

Quantitation Report

File Name	132SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 1:46
Sample Name	f99982-5
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.203	ug/l	8.94	312.01	3.852E-04	Pulse	0.25	3
B	11	6	1	10.682	ug/l	4.22	12,518.18	1.546E-02	Pulse	0.15	3
Na	23	45	1	8711.185	ug/l	1.03	46,007,637.65	3.122E+01	Analog	0.10	3
Na	23	45	2	8788.531	ug/l	1.53	1,691,941.12	2.087E+01	Analog	0.20	3
Mg	24	45	1	5816.432	ug/l	0.88	20,900,676.36	1.418E+01	Analog	0.10	3
Mg	24	45	2	5816.859	ug/l	1.33	581,296.16	7.169E+00	Pulse	0.20	3
Al	27	45	1	958.790	ug/l	0.84	4,663,171.70	3.165E+00	Analog	0.10	3
Al	27	45	2	995.868	ug/l	1.37	39,013.54	4.811E-01	Pulse	0.20	3
K	39	45	1	2375.800	ug/l	1.23	16,767,910.58	1.138E+01	Analog	0.10	3
K	39	45	2	2444.731	ug/l	1.70	269,845.48	3.328E+00	Pulse	0.20	3
Ca	43	45	1	12811.600	ug/l	1.16	175,237.27	1.189E-01	Pulse	1.50	3
Ca	43	45	2	13930.421	ug/l	3.24	4,783.80	5.901E-02	Pulse	1.50	3
Ca	44	45	1	12902.318	ug/l	0.98	2,769,782.88	1.880E+00	Analog	0.10	3
Ca	44	45	2	13546.138	ug/l	1.33	80,863.20	9.973E-01	Pulse	0.20	3
Ti	47	45	1	19.145	ug/l	4.89	11,801.63	8.010E-03	Pulse	0.10	3
Ti	47	45	2	17.403	ug/l	6.41	713.36	8.800E-03	Pulse	0.20	3
V	51	45	2	5.635	ug/l	4.55	6,889.91	8.499E-02	Pulse	0.20	3
Cr	52	45	2	5.656	ug/l	3.22	9,678.01	1.194E-01	Pulse	0.20	3
Mn	55	45	2	3136.099	ug/l	1.35	2,584,580.17	3.188E+01	Analog	0.20	3
Fe	56	45	2	5213.178	ug/l	1.04	6,250,906.99	7.709E+01	Analog	0.20	3
Co	59	45	2	18.096	ug/l	3.40	40,529.89	4.999E-01	Pulse	0.20	3
Ni	60	45	2	5.973	ug/l	0.62	3,602.13	4.442E-02	Pulse	0.20	3
Cu	63	45	2	4.537	ug/l	2.63	7,053.29	8.697E-02	Pulse	0.20	3
Cu	65	45	2	4.549	ug/l	2.30	3,510.44	4.330E-02	Pulse	0.20	3
Zn	66	45	2	36.370	ug/l	0.46	9,447.88	1.165E-01	Pulse	0.20	3
As	75	45	2	2.094	ug/l	7.56	360.01	4.440E-03	Pulse	0.50	3
Se	78	45	2	0.598	ug/l	47.80	19.33	2.387E-04	Pulse	1.00	3
Se	78	45	3	0.393	ug/l	23.94	16.67	1.345E-04	Pulse	1.00	3
Sr	88	45	1	104.837	ug/l	0.73	1,232,591.68	8.365E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.118	ug/l	19.87	330.02	1.691E-04	Pulse	0.10	3
Ag	107	115	1	0.011	ug/l	68.56	116.67	5.324E-05	Pulse	0.10	3
Cd	111	115	1	0.063	ug/l	16.42	77.33	3.532E-05	Pulse	0.25	3
Cd	111	115	2	0.045	ug/l	30.07	24.00	3.924E-05	Pulse	0.25	3
Sn	117	115	1	0.095	ug/l	35.84	150.01	6.855E-05	Pulse	0.10	3
Sn	118	115	1	0.115	ug/l	4.63	536.70	2.451E-04	Pulse	0.10	3
Sn	118	115	2	0.139	ug/l	37.93	210.02	3.440E-04	Pulse	0.10	3
Sn	119	115	1	0.043	ug/l	95.46	233.34	1.066E-04	Pulse	0.10	3
Sb	121	159	1	0.093	ug/l	13.61	546.69	1.578E-04	Pulse	0.10	3
Ba	137	159	1	147.959	ug/l	0.82	291,859.47	8.423E-02	Pulse	0.10	3
Tl	205	209	1	0.067	ug/l	10.93	923.40	4.715E-04	Pulse	0.10	3
Pb	208	209	1	2.271	ug/l	0.69	31,560.86	1.611E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	809,813.45	0.38	45.8	Pulse	0.10	3
1	Sc	45	1,473,470.81	0.18	43.2	Analog	0.10	3
2	Sc	45	81,088.47	0.84	42.0	Pulse	0.10	3
3	Sc	45	124,337.49	1.98	41.4	Pulse	0.10	3
1	Ge	72	304,037.71	0.95	45.1	Pulse	0.10	3
2	Ge	72	53,234.64	1.22	46.0	Pulse	0.10	3
3	Ge	72	66,168.40	0.16	44.7	Pulse	0.10	3
1	Rh	103	1,951,523.56	0.13	47.6	Analog	0.10	3
2	Rh	103	1,244,148.34	0.81	48.4	Pulse	0.10	3
1	In	115	2,189,198.91	0.47	51.9	Analog	0.10	3
2	In	115	611,049.41	0.43	50.2	Pulse	0.10	3
1	Tb	159	3,464,980.57	0.13	57.8	Analog	0.10	3
2	Tb	159	2,217,692.73	0.38	55.9	Analog	0.10	3
1	Ho	165	3,298,886.83	0.58	58.8	Analog	0.10	3
2	Ho	165	2,172,433.04	0.25	57.0	Analog	0.10	3
1	Bi	209	1,958,860.28	0.67	59.8	Analog	0.10	3
2	Bi	209	1,441,466.64	0.35	56.5	Analog	0.10	3

Quantitation Report

File Name	133SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 1:51
Sample Name	f99982-7
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.004	ug/l	517.59	50.67	6.183E-05	Pulse	0.25	3
B	11	6	1	11.309	ug/l	1.38	13,325.55	1.626E-02	Pulse	0.15	3
Na	23	45	1	10088.737	ug/l	1.11	54,061,487.53	3.615E+01	Analog	0.10	3
Na	23	45	2	9926.742	ug/l	0.55	1,961,900.28	2.356E+01	Analog	0.20	3
Mg	24	45	1	6385.264	ug/l	0.91	23,286,857.15	1.557E+01	Analog	0.10	3
Mg	24	45	2	6254.458	ug/l	0.56	641,802.35	7.709E+00	Pulse	0.20	3
Al	27	45	1	62.667	ug/l	6.30	311,037.63	2.080E-01	Mix	0.10	3
Al	27	45	2	60.788	ug/l	10.56	2,463.62	2.960E-02	Pulse	0.20	3
K	39	45	1	2560.402	ug/l	1.17	18,302,016.39	1.224E+01	Analog	0.10	3
K	39	45	2	2574.055	ug/l	0.32	291,560.74	3.502E+00	Pulse	0.20	3
Ca	43	45	1	13660.666	ug/l	0.88	189,636.09	1.268E-01	Pulse	1.50	3
Ca	43	45	2	14278.299	ug/l	0.76	5,035.87	6.048E-02	Pulse	1.50	3
Ca	44	45	1	13777.714	ug/l	1.13	3,001,743.29	2.007E+00	Analog	0.10	3
Ca	44	45	2	14061.188	ug/l	0.51	86,196.53	1.035E+00	Pulse	0.20	3
Ti	47	45	1	2.399	ug/l	17.28	1,523.81	1.018E-03	Pulse	0.10	3
Ti	47	45	2	1.151	ug/l	49.85	48.33	5.820E-04	Pulse	0.20	3
V	51	45	2	0.913	ug/l	9.70	1,261.74	1.515E-02	Pulse	0.20	3
Cr	52	45	2	4.195	ug/l	3.81	7,693.59	9.242E-02	Pulse	0.20	3
Mn	55	45	2	14.960	ug/l	1.89	12,666.73	1.521E-01	Pulse	0.20	3
Fe	56	45	2	1231.344	ug/l	1.02	1,516,827.32	1.822E+01	Analog	0.20	3
Co	59	45	2	0.150	ug/l	14.00	378.35	4.540E-03	Pulse	0.20	3
Ni	60	45	2	1.450	ug/l	4.16	956.71	1.149E-02	Pulse	0.20	3
Cu	63	45	2	0.831	ug/l	3.14	1,355.08	1.628E-02	Pulse	0.20	3
Cu	65	45	2	0.935	ug/l	5.97	761.70	9.147E-03	Pulse	0.20	3
Zn	66	45	2	22.419	ug/l	3.26	5,996.21	7.203E-02	Pulse	0.20	3
As	75	45	2	0.782	ug/l	22.75	142.00	1.704E-03	Pulse	0.50	3
Se	78	45	2	0.753	ug/l	47.54	22.33	2.677E-04	Pulse	1.00	3
Se	78	45	3	0.198	ug/l	23.34	9.00	7.069E-05	Pulse	1.00	3
Sr	88	45	1	105.787	ug/l	1.18	1,262,304.41	8.441E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.025	ug/l	36.37	123.34	6.220E-05	Pulse	0.10	3
Ag	107	115	1	0.003	ug/l	179.37	76.67	3.446E-05	Pulse	0.10	3
Cd	111	115	1	0.009	ug/l	48.61	17.33	7.786E-06	Pulse	0.25	3
Cd	111	115	2	0.003	ug/l	177.44	2.67	4.292E-06	Pulse	0.25	3
Sn	117	115	1	0.098	ug/l	10.48	156.68	7.033E-05	Pulse	0.10	3
Sn	118	115	1	0.070	ug/l	10.35	390.02	1.751E-04	Pulse	0.10	3
Sn	118	115	2	0.101	ug/l	50.48	166.68	2.687E-04	Pulse	0.10	3
Sn	119	115	1	-0.010	ug/l	-259.29	170.01	7.629E-05	Pulse	0.10	3
Sb	121	159	1	0.078	ug/l	10.91	493.36	1.405E-04	Pulse	0.10	3
Ba	137	159	1	44.495	ug/l	2.23	89,266.31	2.542E-02	Pulse	0.10	3
Tl	205	209	1	0.026	ug/l	27.18	516.70	2.629E-04	Pulse	0.10	3
Pb	208	209	1	0.195	ug/l	13.69	3,226.95	1.642E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	819,574.63	0.60	46.4	Pulse	0.10	3
1	Sc	45	1,495,477.12	0.44	43.9	Analog	0.10	3
2	Sc	45	83,262.49	1.15	43.2	Pulse	0.10	3
3	Sc	45	127,205.61	1.04	42.4	Pulse	0.10	3
1	Ge	72	309,605.43	0.72	46.0	Pulse	0.10	3
2	Ge	72	53,218.03	1.75	46.0	Pulse	0.10	3
3	Ge	72	65,643.07	1.56	44.4	Pulse	0.10	3
1	Rh	103	1,982,962.94	0.03	48.3	Analog	0.10	3
2	Rh	103	1,243,796.96	1.36	48.4	Pulse	0.10	3
1	In	115	2,227,553.15	0.50	52.8	Analog	0.10	3
2	In	115	618,824.82	0.94	50.9	Pulse	0.10	3
1	Tb	159	3,511,202.87	0.35	58.5	Analog	0.10	3
2	Tb	159	2,231,365.49	0.34	56.2	Analog	0.10	3
1	Ho	165	3,313,764.53	0.25	59.1	Analog	0.10	3
2	Ho	165	2,174,224.76	0.63	57.0	Analog	0.10	3
1	Bi	209	1,965,822.42	0.05	60.0	Analog	0.10	3
2	Bi	209	1,445,848.31	0.57	56.7	Analog	0.10	3

Quantitation Report

File Name	134SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 1:56
Sample Name	f99982-9
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.074	ug/l	28.73	138.67	1.766E-04	Pulse	0.25	3
B	11	6	1	11.726	ug/l	1.83	13,185.42	1.679E-02	Pulse	0.15	3
Na	23	45	1	9989.505	ug/l	1.03	51,220,390.90	3.580E+01	Analog	0.10	3
Na	23	45	2	9999.422	ug/l	3.01	1,881,889.56	2.374E+01	Analog	0.20	3
Mg	24	45	1	6481.984	ug/l	1.08	22,619,169.66	1.581E+01	Analog	0.10	3
Mg	24	45	2	6472.786	ug/l	3.55	632,449.22	7.978E+00	Pulse	0.20	3
Al	27	45	1	521.390	ug/l	1.08	2,463,461.11	1.722E+00	Analog	0.10	3
Al	27	45	2	529.362	ug/l	2.63	20,287.52	2.559E-01	Pulse	0.20	3
K	39	45	1	2605.948	ug/l	1.13	17,815,065.57	1.245E+01	Analog	0.10	3
K	39	45	2	2685.615	ug/l	3.19	289,502.85	3.652E+00	Pulse	0.20	3
Ca	43	45	1	13892.940	ug/l	1.03	184,535.38	1.290E-01	Pulse	1.50	3
Ca	43	45	2	14755.009	ug/l	3.40	4,954.74	6.250E-02	Pulse	1.50	3
Ca	44	45	1	14107.289	ug/l	1.09	2,940,885.48	2.055E+00	Analog	0.10	3
Ca	44	45	2	14661.722	ug/l	3.76	85,566.68	1.079E+00	Pulse	0.20	3
Ti	47	45	1	14.591	ug/l	16.85	8,746.78	6.109E-03	Pulse	0.10	3
Ti	47	45	2	11.338	ug/l	4.56	455.02	5.733E-03	Pulse	0.20	3
V	51	45	2	2.992	ug/l	8.40	3,635.47	4.589E-02	Pulse	0.20	3
Cr	52	45	2	5.251	ug/l	3.82	8,872.55	1.119E-01	Pulse	0.20	3
Mn	55	45	2	1039.862	ug/l	3.28	837,948.53	1.057E+01	Pulse	0.20	3
Fe	56	45	2	2657.408	ug/l	2.91	3,116,216.93	3.930E+01	Analog	0.20	3
Co	59	45	2	6.069	ug/l	3.60	13,312.23	1.679E-01	Pulse	0.20	3
Ni	60	45	2	3.232	ug/l	10.16	1,938.49	2.447E-02	Pulse	0.20	3
Cu	63	45	2	2.109	ug/l	5.65	3,222.05	4.065E-02	Pulse	0.20	3
Cu	65	45	2	2.109	ug/l	4.95	1,605.11	2.025E-02	Pulse	0.20	3
Zn	66	45	2	32.591	ug/l	2.94	8,283.90	1.045E-01	Pulse	0.20	3
As	75	45	2	1.255	ug/l	2.79	213.33	2.689E-03	Pulse	0.50	3
Se	78	45	2	0.757	ug/l	23.72	21.33	2.686E-04	Pulse	1.00	3
Se	78	45	3	0.183	ug/l	41.34	8.00	6.574E-05	Pulse	1.00	3
Sr	88	45	1	109.843	ug/l	1.43	1,254,116.75	8.765E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.019	ug/l	94.55	103.34	5.478E-05	Pulse	0.10	3
Ag	107	115	1	0.014	ug/l	95.86	126.67	5.948E-05	Pulse	0.10	3
Cd	111	115	1	0.017	ug/l	84.75	25.33	1.190E-05	Pulse	0.25	3
Cd	111	115	2	0.029	ug/l	0.12	16.00	2.651E-05	Pulse	0.25	3
Sn	117	115	1	0.114	ug/l	89.83	166.68	7.827E-05	Pulse	0.10	3
Sn	118	115	1	0.066	ug/l	4.65	360.02	1.688E-04	Pulse	0.10	3
Sn	118	115	2	0.074	ug/l	11.33	130.01	2.154E-04	Pulse	0.10	3
Sn	119	115	1	0.015	ug/l	324.90	193.34	9.070E-05	Pulse	0.10	3
Sb	121	159	1	0.068	ug/l	26.01	430.02	1.288E-04	Pulse	0.10	3
Ba	137	159	1	82.432	ug/l	1.72	156,962.79	4.699E-02	Pulse	0.10	3
Tl	205	209	1	0.027	ug/l	17.42	503.36	2.673E-04	Pulse	0.10	3
Pb	208	209	1	1.077	ug/l	0.72	14,666.64	7.788E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	785,128.66	0.85	44.4	Pulse	0.10	3
1	Sc	45	1,430,947.90	0.59	42.0	Analog	0.10	3
2	Sc	45	79,329.66	2.90	41.1	Pulse	0.10	3
3	Sc	45	121,928.48	1.70	40.6	Pulse	0.10	3
1	Ge	72	296,365.66	0.18	44.0	Pulse	0.10	3
2	Ge	72	51,395.42	1.27	44.5	Pulse	0.10	3
3	Ge	72	63,434.14	0.69	42.9	Pulse	0.10	3
1	Rh	103	1,888,856.32	0.60	46.0	Analog	0.10	3
2	Rh	103	1,198,328.47	0.75	46.7	Pulse	0.10	3
1	In	115	2,132,306.28	0.49	50.6	Analog	0.10	3
2	In	115	603,623.44	0.11	49.6	Pulse	0.10	3
1	Tb	159	3,340,674.95	0.27	55.7	Analog	0.10	3
2	Tb	159	2,156,010.23	0.96	54.3	Analog	0.10	3
1	Ho	165	3,186,421.31	0.32	56.8	Analog	0.10	3
2	Ho	165	2,116,454.08	0.89	55.5	Analog	0.10	3
1	Bi	209	1,883,337.11	0.72	57.4	Analog	0.10	3
2	Bi	209	1,398,571.28	0.59	54.8	Analog	0.10	3

Quantitation Report

File Name	135SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 2:01
Sample Name	f99982-11
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.023	ug/l	-15.54	14.67	1.851E-05	Pulse	0.25	3
B	11	6	1	29.342	ug/l	3.37	31,157.76	3.932E-02	Pulse	0.15	3
Na	23	45	1	75700.660	ug/l	0.62	394,828,767.45	2.708E+02	Analog	0.10	3
Na	23	45	2	74031.374	ug/l	3.53	14,732,511.45	1.754E+02	Analog	0.20	3
Mg	24	45	1	17043.507	ug/l	0.49	60,597,944.10	4.156E+01	Analog	0.10	3
Mg	24	45	2	16760.773	ug/l	3.38	1,734,642.16	2.066E+01	Analog	0.20	3
Al	27	45	1	31.263	ug/l	10.35	152,255.18	1.044E-01	Pulse	0.10	3
Al	27	45	2	35.890	ug/l	6.09	1,476.79	1.758E-02	Pulse	0.20	3
K	39	45	1	443.083	ug/l	0.35	3,486,978.80	2.392E+00	Analog	0.10	3
K	39	45	2	458.597	ug/l	2.49	55,538.91	6.613E-01	Pulse	0.20	3
Ca	43	45	1	121084.818	ug/l	1.06	1,638,430.00	1.124E+00	Analog	1.50	3
Ca	43	45	2	129040.359	ug/l	3.46	45,895.27	5.465E-01	Pulse	1.50	3
Ca	44	45	1	126060.045	ug/l	1.26	26,768,662.94	1.836E+01	Analog	0.10	3
Ca	44	45	2	126872.567	ug/l	3.96	784,203.74	9.339E+00	Pulse	0.20	3
Ti	47	45	1	1.920	ug/l	11.54	1,193.49	8.188E-04	Pulse	0.10	3
Ti	47	45	2	0.782	ug/l	29.45	33.33	3.956E-04	Pulse	0.20	3
V	51	45	2	0.582	ug/l	14.66	861.71	1.024E-02	Pulse	0.20	3
Cr	52	45	2	4.028	ug/l	2.80	7,505.19	8.936E-02	Pulse	0.20	3
Mn	55	45	2	5452.726	ug/l	3.47	4,654,035.56	5.542E+01	Analog	0.20	3
Fe	56	45	2	6504.099	ug/l	3.56	8,076,388.63	9.618E+01	Analog	0.20	3
Co	59	45	2	16.821	ug/l	3.94	39,021.45	4.647E-01	Pulse	0.20	3
Ni	60	45	2	5.645	ug/l	6.14	3,528.78	4.203E-02	Pulse	0.20	3
Cu	63	45	2	0.666	ug/l	13.18	1,100.05	1.312E-02	Pulse	0.20	3
Cu	65	45	2	0.617	ug/l	18.05	515.02	6.144E-03	Pulse	0.20	3
Zn	66	45	2	25.560	ug/l	3.70	6,889.88	8.205E-02	Pulse	0.20	3
As	75	45	2	11.098	ug/l	5.30	1,949.47	2.322E-02	Pulse	0.50	3
Se	78	45	2	0.578	ug/l	74.68	19.67	2.349E-04	Pulse	1.00	3
Se	78	45	3	0.560	ug/l	41.47	14.67	1.893E-04	Pulse	1.00	3
Sr	88	45	1	805.525	ug/l	0.96	9,369,939.03	6.427E+00	Analog	0.10	3
Mo	95	103	1	0.435	ug/l	0.87	953.40	5.316E-04	Pulse	0.10	3
Ag	107	115	1	0.006	ug/l	86.53	83.33	4.077E-05	Pulse	0.10	3
Cd	111	115	1	0.034	ug/l	39.59	42.67	2.090E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.021	ug/l	130.14	12.00	1.961E-05	Pulse	0.25	3
Sn	117	115	1	0.367	ug/l	13.53	413.35	2.023E-04	Pulse	0.10	3
Sn	118	115	1	0.438	ug/l	3.14	1,536.80	7.523E-04	Pulse	0.10	3
Sn	118	115	2	0.378	ug/l	17.31	496.69	8.114E-04	Pulse	0.10	3
Sn	119	115	1	0.572	ug/l	24.75	830.06	4.066E-04	Pulse	0.10	3
Sb	121	159	1	0.197	ug/l	15.07	910.07	2.756E-04	Pulse	0.10	3
Ba	137	159	1	442.212	ug/l	0.70	829,944.75	2.515E-01	Pulse	0.10	3
Tl	205	209	1	0.045	ug/l	23.76	633.37	3.583E-04	Pulse	0.10	3
Pb	208	209	1	0.116	ug/l	11.59	1,930.13	1.092E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	792,465.06	0.28	44.9	Pulse	0.10	3
1	Sc	45	1,457,951.70	0.40	42.8	Analog	0.10	3
2	Sc	45	84,012.31	2.00	43.6	Pulse	0.10	3
3	Sc	45	79,004.71	9.39	26.3	Pulse	0.10	3
1	Ge	72	293,447.78	0.80	43.6	Pulse	0.10	3
2	Ge	72	53,411.74	1.64	46.2	Pulse	0.10	3
3	Ge	72	44,191.35	10.86	29.9	Pulse	0.10	3
1	Rh	103	1,793,560.29	0.22	43.7	Analog	0.10	3
2	Rh	103	1,187,855.06	1.19	46.2	Pulse	0.10	3
1	In	115	2,042,561.11	0.39	48.4	Analog	0.10	3
2	In	115	612,431.07	1.01	50.4	Pulse	0.10	3
1	Tb	159	3,300,122.03	0.79	55.0	Analog	0.10	3
2	Tb	159	2,216,059.29	1.62	55.9	Analog	0.10	3
1	Ho	165	3,141,336.93	0.97	56.0	Analog	0.10	3
2	Ho	165	2,177,999.60	1.36	57.1	Analog	0.10	3
1	Bi	209	1,766,379.14	0.77	53.9	Analog	0.10	3
2	Bi	209	1,369,976.39	1.98	53.7	Analog	0.10	3

Quantitation Report

File Name	136SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 2:06
Sample Name	f99982-12
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.018	ug/l	-25.49	22.67	2.714E-05	Pulse	0.25	3
B	11	6	1	104.021	ug/l	2.44	112,635.65	1.348E-01	Pulse	0.15	3
Na	23	45	1	25435.250	ug/l	1.06	142,295,134.55	9.104E+01	Analog	0.10	3
Na	23	45	2	26240.256	ug/l	1.82	5,330,955.75	6.221E+01	Analog	0.20	3
Mg	24	45	1	17323.588	ug/l	0.82	66,030,544.02	4.225E+01	Analog	0.10	3
Mg	24	45	2	17946.610	ug/l	2.26	1,895,121.74	2.212E+01	Analog	0.20	3
Al	27	45	1	14.439	ug/l	8.67	76,400.27	4.890E-02	Pulse	0.10	3
Al	27	45	2	15.507	ug/l	9.26	663.36	7.738E-03	Pulse	0.20	3
K	39	45	1	3906.001	ug/l	0.82	28,909,302.90	1.850E+01	Analog	0.10	3
K	39	45	2	4184.788	ug/l	2.04	485,360.19	5.665E+00	Pulse	0.20	3
Ca	43	45	1	81653.191	ug/l	0.35	1,184,468.11	7.578E-01	Pulse	1.50	3
Ca	43	45	2	90878.678	ug/l	1.91	32,981.59	3.849E-01	Pulse	1.50	3
Ca	44	45	1	83055.425	ug/l	0.68	18,907,824.30	1.210E+01	Analog	0.10	3
Ca	44	45	2	89037.443	ug/l	2.09	561,589.18	6.554E+00	Pulse	0.20	3
Ti	47	45	1	1.001	ug/l	3.66	680.04	4.350E-04	Pulse	0.10	3
Ti	47	45	2	0.922	ug/l	11.77	40.00	4.664E-04	Pulse	0.20	3
V	51	45	2	0.249	ug/l	7.39	456.68	5.327E-03	Pulse	0.20	3
Cr	52	45	2	3.392	ug/l	5.65	6,649.79	7.763E-02	Pulse	0.20	3
Mn	55	45	2	2799.774	ug/l	1.80	2,438,435.80	2.846E+01	Analog	0.20	3
Fe	56	45	2	7236.714	ug/l	2.26	9,168,847.15	1.070E+02	Analog	0.20	3
Co	59	45	2	4.182	ug/l	1.15	9,928.14	1.158E-01	Pulse	0.20	3
Ni	60	45	2	6.126	ug/l	1.98	3,902.20	4.554E-02	Pulse	0.20	3
Cu	63	45	2	0.912	ug/l	2.50	1,526.77	1.782E-02	Pulse	0.20	3
Cu	65	45	2	1.013	ug/l	5.42	846.71	9.886E-03	Pulse	0.20	3
Zn	66	45	2	27.551	ug/l	3.77	7,573.58	8.840E-02	Pulse	0.20	3
As	75	45	2	1.773	ug/l	11.24	322.68	3.769E-03	Pulse	0.50	3
Se	78	45	2	0.650	ug/l	56.14	21.33	2.484E-04	Pulse	1.00	3
Se	78	45	3	0.498	ug/l	9.16	21.00	1.690E-04	Pulse	1.00	3
Sr	88	45	1	648.102	ug/l	1.00	8,082,045.92	5.171E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.311	ug/l	19.42	763.39	3.898E-04	Pulse	0.10	3
Ag	107	115	1	-0.002	ug/l	-124.58	46.67	2.118E-05	Pulse	0.10	3
Cd	111	115	1	0.043	ug/l	36.15	56.00	2.543E-05	Pulse	0.25	3
Cd	111	115	2	0.015	ug/l	59.38	9.33	1.488E-05	Pulse	0.25	3
Sn	117	115	1	0.143	ug/l	26.25	203.34	9.234E-05	Pulse	0.10	3
Sn	118	115	1	0.150	ug/l	16.83	660.04	2.997E-04	Pulse	0.10	3
Sn	118	115	2	0.168	ug/l	20.44	253.34	4.009E-04	Pulse	0.10	3
Sn	119	115	1	0.157	ug/l	23.44	376.69	1.710E-04	Pulse	0.10	3
Sb	121	159	1	0.239	ug/l	19.50	1,140.09	3.239E-04	Pulse	0.10	3
Ba	137	159	1	324.505	ug/l	0.78	650,351.69	1.846E-01	Pulse	0.10	3
Tl	205	209	1	0.046	ug/l	24.03	696.72	3.646E-04	Pulse	0.10	3
Pb	208	209	1	0.063	ug/l	10.64	1,376.75	7.208E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	835,602.56	0.42	47.3	Pulse	0.10	3
1	Sc	45	1,563,010.55	1.06	45.9	Analog	0.10	3
2	Sc	45	85,707.25	2.00	44.4	Pulse	0.10	3
3	Sc	45	124,280.33	1.36	41.4	Pulse	0.10	3
1	Ge	72	306,602.34	0.16	45.5	Pulse	0.10	3
2	Ge	72	54,695.96	1.77	47.3	Pulse	0.10	3
3	Ge	72	64,157.30	1.33	43.4	Pulse	0.10	3
1	Rh	103	1,958,365.70	0.28	47.7	Analog	0.10	3
2	Rh	103	1,252,465.14	2.03	48.8	Pulse	0.10	3
1	In	115	2,202,371.25	0.40	52.2	Analog	0.10	3
2	In	115	631,570.47	2.65	51.9	Pulse	0.10	3
1	Tb	159	3,523,461.20	0.95	58.7	Analog	0.10	3
2	Tb	159	2,296,351.58	1.63	57.9	Analog	0.10	3
1	Ho	165	3,343,877.66	0.85	59.6	Analog	0.10	3
2	Ho	165	2,231,897.16	2.46	58.5	Analog	0.10	3
1	Bi	209	1,910,097.32	0.46	58.3	Analog	0.10	3
2	Bi	209	1,432,655.45	2.15	56.2	Analog	0.10	3

Quantitation Report

File Name	137SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 2:12
Sample Name	f99982-13
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.012	ug/l	-28.10	28.00	3.665E-05	Pulse	0.25	3
B	11	6	1	114.181	ug/l	2.72	112,968.97	1.478E-01	Pulse	0.15	3
Na	23	45	1	25871.919	ug/l	0.88	129,808,868.07	9.260E+01	Analog	0.10	3
Na	23	45	2	25835.614	ug/l	2.74	4,790,936.49	6.126E+01	Analog	0.20	3
Mg	24	45	1	18574.779	ug/l	0.54	63,499,650.72	4.530E+01	Analog	0.10	3
Mg	24	45	2	18782.398	ug/l	2.32	1,810,597.42	2.315E+01	Analog	0.20	3
Al	27	45	1	12.951	ug/l	4.03	61,654.81	4.398E-02	Pulse	0.10	3
Al	27	45	2	11.246	ug/l	19.73	443.35	5.681E-03	Pulse	0.20	3
K	39	45	1	4577.019	ug/l	0.86	30,303,699.55	2.162E+01	Analog	0.10	3
K	39	45	2	4739.371	ug/l	2.46	501,297.25	6.409E+00	Pulse	0.20	3
Ca	43	45	1	86384.717	ug/l	0.51	1,123,896.72	8.017E-01	Pulse	1.50	3
Ca	43	45	2	92729.617	ug/l	2.03	30,721.55	3.928E-01	Pulse	1.50	3
Ca	44	45	1	87911.306	ug/l	0.59	17,949,263.48	1.280E+01	Analog	0.10	3
Ca	44	45	2	92095.939	ug/l	2.58	530,241.80	6.779E+00	Pulse	0.20	3
Ti	47	45	1	0.847	ug/l	12.34	520.03	3.709E-04	Pulse	0.10	3
Ti	47	45	2	0.723	ug/l	53.78	28.33	3.654E-04	Pulse	0.20	3
V	51	45	2	0.237	ug/l	27.43	401.68	5.145E-03	Pulse	0.20	3
Cr	52	45	2	3.671	ug/l	6.14	6,471.40	8.277E-02	Pulse	0.20	3
Mn	55	45	2	2724.522	ug/l	3.38	2,165,660.02	2.769E+01	Analog	0.20	3
Fe	56	45	2	10079.333	ug/l	3.11	11,656,016.91	1.490E+02	Analog	0.20	3
Co	59	45	2	4.127	ug/l	2.82	8,940.92	1.143E-01	Pulse	0.20	3
Ni	60	45	2	4.758	ug/l	4.34	2,781.95	3.558E-02	Pulse	0.20	3
Cu	63	45	2	0.799	ug/l	11.09	1,223.41	1.565E-02	Pulse	0.20	3
Cu	65	45	2	0.930	ug/l	5.32	711.70	9.101E-03	Pulse	0.20	3
Zn	66	45	2	24.496	ug/l	4.27	6,154.62	7.865E-02	Pulse	0.20	3
As	75	45	2	3.079	ug/l	9.81	507.34	6.494E-03	Pulse	0.50	3
Se	78	45	2	0.530	ug/l	45.70	17.67	2.260E-04	Pulse	1.00	3
Se	78	45	3	0.329	ug/l	21.50	13.33	1.136E-04	Pulse	1.00	3
Sr	88	45	1	677.159	ug/l	1.19	7,573,545.51	5.403E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.294	ug/l	20.14	653.38	3.707E-04	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	143.43	60.00	3.019E-05	Pulse	0.10	3
Cd	111	115	1	0.017	ug/l	81.11	24.00	1.208E-05	Pulse	0.25	3
Cd	111	115	2	0.023	ug/l	37.36	12.00	2.093E-05	Pulse	0.25	3
Sn	117	115	1	0.136	ug/l	24.05	176.68	8.888E-05	Pulse	0.10	3
Sn	118	115	1	0.145	ug/l	2.12	580.03	2.918E-04	Pulse	0.10	3
Sn	118	115	2	0.237	ug/l	39.98	306.68	5.349E-04	Pulse	0.10	3
Sn	119	115	1	0.124	ug/l	46.03	303.35	1.526E-04	Pulse	0.10	3
Sb	121	159	1	0.078	ug/l	6.36	446.69	1.405E-04	Pulse	0.10	3
Ba	137	159	1	330.949	ug/l	0.39	598,772.74	1.882E-01	Pulse	0.10	3
Tl	205	209	1	0.038	ug/l	31.35	563.36	3.232E-04	Pulse	0.10	3
Pb	208	209	1	0.047	ug/l	19.43	1,056.73	6.063E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	764,484.37	0.68	43.3	Pulse	0.10	3
1	Sc	45	1,401,826.96	0.25	41.1	Analog	0.10	3
2	Sc	45	78,247.90	2.52	40.6	Pulse	0.10	3
3	Sc	45	116,867.21	4.12	39.0	Pulse	0.10	3
1	Ge	72	281,040.47	0.81	41.7	Pulse	0.10	3
2	Ge	72	49,750.59	2.72	43.0	Pulse	0.10	3
3	Ge	72	58,780.70	3.70	39.7	Pulse	0.10	3
1	Rh	103	1,763,671.54	0.48	43.0	Analog	0.10	3
2	Rh	103	1,134,789.15	0.10	44.2	Pulse	0.10	3
1	In	115	1,987,466.07	0.22	47.1	Analog	0.10	3
2	In	115	573,530.61	0.14	47.2	Pulse	0.10	3
1	Tb	159	3,180,845.27	0.61	53.0	Analog	0.10	3
2	Tb	159	2,081,465.28	0.42	52.5	Analog	0.10	3
1	Ho	165	3,025,247.25	0.40	53.9	Analog	0.10	3
2	Ho	165	2,040,217.73	0.15	53.5	Analog	0.10	3
1	Bi	209	1,743,214.66	0.45	53.2	Analog	0.10	3
2	Bi	209	1,323,436.86	0.78	51.9	Mix	0.10	3

Quantitation Report

File Name	138SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 2:17
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	46.479	ug/l	0.96	63,836.94	7.554E-02	Pulse	0.25	3
B	11	6	1	43.411	ug/l	0.70	48,426.63	5.730E-02	Pulse	0.15	3
Na	23	45	1	4909.053	ug/l	3.41	26,781,946.27	1.763E+01	Analog	0.10	3
Na	23	45	2	4864.215	ug/l	2.26	967,006.45	1.157E+01	Pulse	0.20	3
Mg	24	45	1	4842.701	ug/l	2.13	17,945,027.24	1.181E+01	Analog	0.10	3
Mg	24	45	2	4880.003	ug/l	2.10	502,727.07	6.015E+00	Pulse	0.20	3
Al	27	45	1	4620.267	ug/l	1.12	23,165,695.49	1.525E+01	Analog	0.10	3
Al	27	45	2	4899.464	ug/l	2.96	197,743.04	2.366E+00	Pulse	0.20	3
K	39	45	1	4690.874	ug/l	0.47	33,651,197.83	2.215E+01	Analog	0.10	3
K	39	45	2	4954.891	ug/l	3.17	559,797.15	6.699E+00	Pulse	0.20	3
Ca	43	45	1	5272.665	ug/l	8.21	74,394.66	4.896E-02	Pulse	1.50	3
Ca	43	45	2	5476.292	ug/l	4.82	1,939.01	2.320E-02	Pulse	1.50	3
Ca	44	45	1	5417.076	ug/l	6.39	1,199,769.36	7.896E-01	Mix	0.10	3
Ca	44	45	2	5384.678	ug/l	3.23	33,136.56	3.965E-01	Pulse	0.20	3
Ti	47	45	1	47.249	ug/l	2.04	29,998.04	1.974E-02	Pulse	0.10	3
Ti	47	45	2	50.256	ug/l	6.78	2,123.51	2.541E-02	Pulse	0.20	3
V	51	45	2	51.345	ug/l	1.96	63,611.66	7.610E-01	Pulse	0.20	3
Cr	52	45	2	50.774	ug/l	2.53	79,516.15	9.514E-01	Pulse	0.20	3
Mn	55	45	2	61.933	ug/l	2.25	52,622.03	6.296E-01	Pulse	0.20	3
Fe	56	45	2	4979.643	ug/l	2.68	6,154,502.82	7.364E+01	Analog	0.20	3
Co	59	45	2	49.623	ug/l	2.33	114,531.36	1.370E+00	Pulse	0.20	3
Ni	60	45	2	47.917	ug/l	2.51	29,242.86	3.499E-01	Pulse	0.20	3
Cu	63	45	2	48.547	ug/l	3.12	77,444.81	9.267E-01	Pulse	0.20	3
Cu	65	45	2	49.035	ug/l	1.19	38,771.01	4.637E-01	Pulse	0.20	3
Zn	66	45	2	52.431	ug/l	0.71	14,022.89	1.677E-01	Pulse	0.20	3
As	75	45	2	53.323	ug/l	2.38	9,302.05	1.113E-01	Pulse	0.50	3
Se	78	45	2	55.317	ug/l	3.41	877.03	1.049E-02	Pulse	1.00	3
Se	78	45	3	54.360	ug/l	0.72	2,254.83	1.784E-02	Pulse	1.00	3
Sr	88	45	1	58.142	ug/l	5.12	704,999.76	4.640E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	49.682	ug/l	0.55	111,912.66	5.699E-02	Pulse	0.10	3
Ag	107	115	1	45.354	ug/l	0.83	233,726.43	1.070E-01	Pulse	0.10	3
Cd	111	115	1	47.186	ug/l	0.92	52,208.49	2.390E-02	Pulse	0.25	3
Cd	111	115	2	49.242	ug/l	3.06	25,725.12	4.093E-02	Pulse	0.25	3
Sn	117	115	1	49.130	ug/l	1.97	52,756.08	2.415E-02	Pulse	0.10	3
Sn	118	115	1	49.267	ug/l	1.18	169,045.48	7.738E-02	Pulse	0.10	3
Sn	118	115	2	52.085	ug/l	0.60	64,164.86	1.021E-01	Pulse	0.10	3
Sn	119	115	1	49.041	ug/l	2.83	60,875.16	2.787E-02	Pulse	0.10	3
Sb	121	159	1	52.313	ug/l	0.77	201,816.42	5.941E-02	Pulse	0.10	3
Ba	137	159	1	49.241	ug/l	2.51	95,537.24	2.812E-02	Pulse	0.10	3
Tl	205	209	1	45.529	ug/l	1.80	443,760.06	2.326E-01	Pulse	0.10	3
Pb	208	209	1	49.921	ug/l	0.98	664,443.78	3.483E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	845,054.13	0.54	47.8	Pulse	0.10	3
1	Sc	45	1,519,481.38	0.17	44.6	Analog	0.10	3
2	Sc	45	83,613.72	2.53	43.4	Pulse	0.10	3
3	Sc	45	126,388.69	0.71	42.1	Pulse	0.10	3
1	Ge	72	304,440.88	0.54	45.2	Pulse	0.10	3
2	Ge	72	53,338.64	0.91	46.1	Pulse	0.10	3
3	Ge	72	63,116.51	2.32	42.7	Pulse	0.10	3
1	Rh	103	1,963,610.96	0.37	47.8	Analog	0.10	3
2	Rh	103	1,257,955.47	1.62	49.0	Pulse	0.10	3
1	In	115	2,184,607.23	0.43	51.8	Analog	0.10	3
2	In	115	628,625.89	0.96	51.7	Pulse	0.10	3
1	Tb	159	3,397,260.78	0.18	56.6	Analog	0.10	3
2	Tb	159	2,208,498.51	1.06	55.7	Analog	0.10	3
1	Ho	165	3,209,625.16	0.53	57.2	Analog	0.10	3
2	Ho	165	2,158,916.69	1.16	56.6	Analog	0.10	3
1	Bi	209	1,907,908.04	0.91	58.2	Analog	0.10	3
2	Bi	209	1,438,104.87	0.99	56.4	Analog	0.10	3

Quantitation Report

File Name	139SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 2:22
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.062	ug/l	44.86	126.67	1.567E-04	Pulse	0.25	3
B	11	6	1	3.045	ug/l	3.83	4,602.97	5.694E-03	Pulse	0.15	3
Na	23	45	1	90.104	ug/l	1.15	567,617.70	3.917E-01	Pulse	0.10	3
Na	23	45	2	81.472	ug/l	1.77	19,536.65	2.379E-01	Pulse	0.20	3
Mg	24	45	1	55.271	ug/l	2.74	196,390.38	1.355E-01	Pulse	0.10	3
Mg	24	45	2	47.954	ug/l	3.03	4,884.14	5.945E-02	Pulse	0.20	3
Al	27	45	1	9.626	ug/l	3.55	47,842.79	3.301E-02	Pulse	0.10	3
Al	27	45	2	8.572	ug/l	13.17	360.01	4.389E-03	Pulse	0.20	3
K	39	45	1	15.958	ug/l	3.07	587,325.15	4.053E-01	Pulse	0.10	3
K	39	45	2	18.185	ug/l	22.79	5,746.11	6.993E-02	Pulse	0.20	3
Ca	43	45	1	183.928	ug/l	2.10	2,518.42	1.738E-03	Pulse	1.50	3
Ca	43	45	2	159.882	ug/l	5.37	56.00	6.818E-04	Pulse	1.50	3
Ca	44	45	1	193.190	ug/l	2.15	41,787.64	2.884E-02	Pulse	0.10	3
Ca	44	45	2	185.044	ug/l	10.21	1,131.73	1.377E-02	Pulse	0.20	3
Ti	47	45	1	0.163	ug/l	26.33	123.34	8.519E-05	Pulse	0.10	3
Ti	47	45	2	0.403	ug/l	90.91	16.67	2.036E-04	Pulse	0.20	3
V	51	45	2	0.051	ug/l	29.49	196.68	2.397E-03	Pulse	0.20	3
Cr	52	45	2	1.160	ug/l	5.90	2,995.33	3.647E-02	Pulse	0.20	3
Mn	55	45	2	5.188	ug/l	7.43	4,338.99	5.279E-02	Pulse	0.20	3
Fe	56	45	2	22.071	ug/l	0.41	27,855.54	3.392E-01	Pulse	0.20	3
Co	59	45	2	0.076	ug/l	26.13	205.01	2.503E-03	Pulse	0.20	3
Ni	60	45	2	0.087	ug/l	54.40	128.33	1.559E-03	Pulse	0.20	3
Cu	63	45	2	0.093	ug/l	33.01	180.00	2.186E-03	Pulse	0.20	3
Cu	65	45	2	0.118	ug/l	16.23	116.67	1.423E-03	Pulse	0.20	3
Zn	66	45	2	0.210	ug/l	18.48	100.00	1.218E-03	Pulse	0.20	3
As	75	45	2	0.110	ug/l	24.08	24.67	3.009E-04	Pulse	0.50	3
Se	78	45	2	0.362	ug/l	90.37	16.00	1.945E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.091	ug/l	88.45	4.33	3.534E-05	Pulse	1.00	3
Sr	88	45	1	1.271	ug/l	2.05	14,897.53	1.028E-02	Pulse	0.10	3
Mo	95	103	1	0.153	ug/l	9.41	396.69	2.084E-04	Pulse	0.10	3
Ag	107	115	1	0.095	ug/l	15.91	523.36	2.512E-04	Pulse	0.10	3
Cd	111	115	1	0.066	ug/l	9.19	77.33	3.714E-05	Pulse	0.25	3
Cd	111	115	2	0.060	ug/l	13.27	32.00	5.172E-05	Pulse	0.25	3
Sn	117	115	1	0.170	ug/l	20.58	220.01	1.056E-04	Pulse	0.10	3
Sn	118	115	1	0.216	ug/l	24.99	840.06	4.035E-04	Pulse	0.10	3
Sn	118	115	2	0.261	ug/l	13.89	360.02	5.818E-04	Pulse	0.10	3
Sn	119	115	1	0.152	ug/l	10.48	350.02	1.680E-04	Pulse	0.10	3
Sb	121	159	1	0.136	ug/l	15.60	660.04	2.068E-04	Pulse	0.10	3
Ba	137	159	1	0.559	ug/l	5.94	1,440.12	4.513E-04	Pulse	0.10	3
Tl	205	209	1	0.371	ug/l	5.32	3,710.62	2.026E-03	Pulse	0.10	3
Pb	208	209	1	0.064	ug/l	20.99	1,333.42	7.284E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	808,413.28	0.19	45.8	Pulse	0.10	3
1	Sc	45	1,449,155.50	0.75	42.5	Analog	0.10	3
2	Sc	45	82,120.13	1.92	42.6	Pulse	0.10	3
3	Sc	45	123,168.23	2.72	41.1	Pulse	0.10	3
1	Ge	72	289,573.26	0.32	43.0	Pulse	0.10	3
2	Ge	72	53,110.57	1.23	45.9	Pulse	0.10	3
3	Ge	72	63,093.04	1.56	42.7	Pulse	0.10	3
1	Rh	103	1,904,531.69	0.81	46.4	Analog	0.10	3
2	Rh	103	1,247,909.41	0.69	48.6	Pulse	0.10	3
1	In	115	2,082,731.65	0.44	49.4	Analog	0.10	3
2	In	115	618,859.43	0.23	50.9	Pulse	0.10	3
1	Tb	159	3,191,043.39	0.21	53.2	Analog	0.10	3
2	Tb	159	2,124,367.99	0.83	53.5	Analog	0.10	3
1	Ho	165	3,028,859.54	1.02	54.0	Analog	0.10	3
2	Ho	165	2,072,967.37	1.13	54.4	Analog	0.10	3
1	Bi	209	1,831,320.70	0.50	55.9	Analog	0.10	3
2	Bi	209	1,409,008.88	0.23	55.3	Analog	0.10	3

Quantitation Report

File Name	140SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 2:27
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.034	ug/l	41.57	94.67	1.112E-04	Pulse	0.25	3
B	11	6	1	1.754	ug/l	12.28	3,440.44	4.043E-03	Pulse	0.15	3
Na	23	45	1	63.341	ug/l	0.62	453,513.65	2.960E-01	Pulse	0.10	3
Na	23	45	2	62.914	ug/l	2.19	17,085.66	1.940E-01	Pulse	0.20	3
Mg	24	45	1	37.038	ug/l	1.48	139,512.88	9.105E-02	Pulse	0.10	3
Mg	24	45	2	36.181	ug/l	2.06	3,958.88	4.494E-02	Pulse	0.20	3
Al	27	45	1	6.022	ug/l	3.03	32,362.34	2.112E-02	Pulse	0.10	3
Al	27	45	2	5.559	ug/l	28.91	258.34	2.935E-03	Pulse	0.20	3
K	39	45	1	7.812	ug/l	10.70	562,930.99	3.674E-01	Pulse	0.10	3
K	39	45	2	11.528	ug/l	10.49	5,372.65	6.100E-02	Pulse	0.20	3
Ca	43	45	1	120.788	ug/l	2.76	1,764.99	1.152E-03	Pulse	1.50	3
Ca	43	45	2	116.807	ug/l	7.64	44.00	4.994E-04	Pulse	1.50	3
Ca	44	45	1	130.202	ug/l	2.14	30,128.31	1.966E-02	Pulse	0.10	3
Ca	44	45	2	114.770	ug/l	18.47	756.70	8.596E-03	Pulse	0.20	3
Ti	47	45	1	0.058	ug/l	15.19	63.33	4.133E-05	Pulse	0.10	3
Ti	47	45	2	0.076	ug/l	173.21	3.33	3.820E-05	Pulse	0.20	3
V	51	45	2	0.019	ug/l	193.04	170.01	1.930E-03	Pulse	0.20	3
Cr	52	45	2	1.079	ug/l	11.95	3,080.35	3.497E-02	Pulse	0.20	3
Mn	55	45	2	3.814	ug/l	8.61	3,418.76	3.883E-02	Pulse	0.20	3
Fe	56	45	2	14.994	ug/l	4.32	20,654.96	2.345E-01	Pulse	0.20	3
Co	59	45	2	0.035	ug/l	31.33	120.00	1.363E-03	Pulse	0.20	3
Ni	60	45	2	0.015	ug/l	100.00	91.67	1.040E-03	Pulse	0.20	3
Cu	63	45	2	0.066	ug/l	32.23	146.67	1.667E-03	Pulse	0.20	3
Cu	65	45	2	0.059	ug/l	50.47	76.67	8.694E-04	Pulse	0.20	3
Zn	66	45	2	0.036	ug/l	71.07	58.33	6.618E-04	Pulse	0.20	3
As	75	45	2	0.074	ug/l	24.35	20.00	2.269E-04	Pulse	0.50	3
Se	78	45	2	0.373	ug/l	91.47	17.33	1.965E-04	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.053	ug/l	44.19	3.00	2.288E-05	Pulse	1.00	3
Sr	88	45	1	0.865	ug/l	3.37	10,787.39	7.040E-03	Pulse	0.10	3
Mo	95	103	1	0.049	ug/l	17.51	180.01	8.942E-05	Pulse	0.10	3
Ag	107	115	1	0.044	ug/l	29.88	286.68	1.296E-04	Pulse	0.10	3
Cd	111	115	1	0.046	ug/l	12.60	58.67	2.655E-05	Pulse	0.25	3
Cd	111	115	2	0.035	ug/l	65.15	20.00	3.088E-05	Pulse	0.25	3
Sn	117	115	1	0.078	ug/l	24.38	133.34	6.029E-05	Pulse	0.10	3
Sn	118	115	1	0.103	ug/l	16.67	500.03	2.261E-04	Pulse	0.10	3
Sn	118	115	2	0.103	ug/l	21.75	176.68	2.721E-04	Pulse	0.10	3
Sn	119	115	1	-0.007	ug/l	-261.38	173.34	7.844E-05	Pulse	0.10	3
Sb	121	159	1	0.077	ug/l	20.12	473.36	1.400E-04	Pulse	0.10	3
Ba	137	159	1	0.436	ug/l	31.82	1,290.10	3.813E-04	Pulse	0.10	3
Tl	205	209	1	0.103	ug/l	14.21	1,256.77	6.568E-04	Pulse	0.10	3
Pb	208	209	1	0.025	ug/l	42.41	863.38	4.516E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	851,194.70	0.68	48.2	Pulse	0.10	3
1	Sc	45	1,532,200.08	0.21	45.0	Analog	0.10	3
2	Sc	45	88,073.29	0.89	45.7	Pulse	0.10	3
3	Sc	45	131,212.09	1.21	43.7	Pulse	0.10	3
1	Ge	72	305,374.49	0.94	45.3	Pulse	0.10	3
2	Ge	72	55,806.75	1.16	48.3	Pulse	0.10	3
3	Ge	72	65,469.00	0.89	44.3	Pulse	0.10	3
1	Rh	103	2,012,848.93	0.27	49.0	Analog	0.10	3
2	Rh	103	1,316,914.67	0.74	51.3	Pulse	0.10	3
1	In	115	2,210,976.51	0.57	52.4	Analog	0.10	3
2	In	115	649,033.69	0.62	53.4	Pulse	0.10	3
1	Tb	159	3,381,501.20	0.42	56.4	Analog	0.10	3
2	Tb	159	2,225,549.03	0.64	56.1	Analog	0.10	3
1	Ho	165	3,212,268.39	0.38	57.3	Analog	0.10	3
2	Ho	165	2,177,801.94	0.63	57.1	Analog	0.10	3
1	Bi	209	1,912,607.94	0.67	58.3	Analog	0.10	3
2	Bi	209	1,464,603.26	0.79	57.4	Analog	0.10	3

Quantitation Report

File Name	141SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 2:32
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.001	ug/l	1380.98	49.33	5.772E-05	Pulse	0.25	3
B	11	6	1	1.455	ug/l	13.71	3,127.03	3.661E-03	Pulse	0.15	3
Na	23	45	1	48.967	ug/l	3.10	376,319.58	2.446E-01	Pulse	0.10	3
Na	23	45	2	44.510	ug/l	2.38	13,267.15	1.504E-01	Pulse	0.20	3
Mg	24	45	1	27.253	ug/l	1.66	103,384.87	6.719E-02	Pulse	0.10	3
Mg	24	45	2	23.752	ug/l	3.36	2,613.59	2.963E-02	Pulse	0.20	3
Al	27	45	1	4.184	ug/l	4.74	23,170.21	1.506E-02	Pulse	0.10	3
Al	27	45	2	3.197	ug/l	7.19	158.33	1.794E-03	Pulse	0.20	3
K	39	45	1	6.108	ug/l	10.33	553,092.51	3.595E-01	Pulse	0.10	3
K	39	45	2	6.381	ug/l	16.86	4,772.45	5.408E-02	Pulse	0.20	3
Ca	43	45	1	88.943	ug/l	2.04	1,317.61	8.563E-04	Pulse	1.50	3
Ca	43	45	2	80.890	ug/l	17.33	30.67	3.472E-04	Pulse	1.50	3
Ca	44	45	1	95.081	ug/l	4.47	22,382.59	1.455E-02	Pulse	0.10	3
Ca	44	45	2	83.266	ug/l	16.51	553.35	6.277E-03	Pulse	0.20	3
Ti	47	45	1	0.032	ug/l	56.86	46.67	3.033E-05	Pulse	0.10	3
Ti	47	45	2	0.075	ug/l	173.21	3.33	3.768E-05	Pulse	0.20	3
V	51	45	2	-0.019	ug/l	-156.96	120.00	1.358E-03	Pulse	0.20	3
Cr	52	45	2	0.995	ug/l	5.02	2,948.66	3.342E-02	Pulse	0.20	3
Mn	55	45	2	2.390	ug/l	1.60	2,148.52	2.435E-02	Pulse	0.20	3
Fe	56	45	2	9.439	ug/l	2.02	13,447.40	1.524E-01	Pulse	0.20	3
Co	59	45	2	0.039	ug/l	19.01	130.00	1.473E-03	Pulse	0.20	3
Ni	60	45	2	0.028	ug/l	311.61	100.00	1.133E-03	Pulse	0.20	3
Cu	63	45	2	0.038	ug/l	44.14	100.00	1.134E-03	Pulse	0.20	3
Cu	65	45	2	0.037	ug/l	35.38	58.33	6.618E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.024	ug/l	389.64	55.00	6.229E-04	Pulse	0.20	3
As	75	45	2	0.034	ug/l	81.46	12.67	1.438E-04	Pulse	0.50	3
Se	78	45	2	0.656	ug/l	29.60	22.00	2.496E-04	Pulse	1.00	3
Se	78	45	3	0.069	ug/l	53.25	3.67	2.808E-05	Pulse	1.00	3
Sr	88	45	1	0.575	ug/l	5.74	7,278.65	4.730E-03	Pulse	0.10	3
Mo	95	103	1	0.026	ug/l	83.07	126.67	6.311E-05	Pulse	0.10	3
Ag	107	115	1	0.043	ug/l	20.10	283.35	1.285E-04	Pulse	0.10	3
Cd	111	115	1	0.033	ug/l	58.25	44.00	1.995E-05	Pulse	0.25	3
Cd	111	115	2	0.037	ug/l	31.97	21.33	3.280E-05	Pulse	0.25	3
Sn	117	115	1	0.053	ug/l	26.21	106.67	4.837E-05	Pulse	0.10	3
Sn	118	115	1	0.068	ug/l	19.14	376.69	1.708E-04	Pulse	0.10	3
Sn	118	115	2	0.029	ug/l	63.01	83.33	1.278E-04	Pulse	0.10	3
Sn	119	115	1	0.007	ug/l	227.39	190.01	8.616E-05	Pulse	0.10	3
Sb	121	159	1	0.051	ug/l	30.10	366.68	1.098E-04	Pulse	0.10	3
Ba	137	159	1	0.197	ug/l	28.46	820.05	2.452E-04	Pulse	0.10	3
Tl	205	209	1	0.070	ug/l	19.62	923.39	4.860E-04	Pulse	0.10	3
Pb	208	209	1	0.012	ug/l	19.86	696.70	3.666E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	854,143.44	0.30	48.4	Pulse	0.10	3
1	Sc	45	1,538,612.17	0.15	45.2	Analog	0.10	3
2	Sc	45	88,237.22	0.96	45.8	Pulse	0.10	3
3	Sc	45	131,132.40	1.45	43.7	Pulse	0.10	3
1	Ge	72	308,089.46	1.04	45.7	Pulse	0.10	3
2	Ge	72	55,050.37	2.39	47.6	Pulse	0.10	3
3	Ge	72	65,760.46	1.44	44.5	Pulse	0.10	3
1	Rh	103	2,008,888.04	0.82	48.9	Analog	0.10	3
2	Rh	103	1,313,674.64	0.91	51.1	Pulse	0.10	3
1	In	115	2,205,174.12	0.09	52.3	Analog	0.10	3
2	In	115	652,052.34	1.25	53.6	Pulse	0.10	3
1	Tb	159	3,343,300.26	0.85	55.7	Analog	0.10	3
2	Tb	159	2,217,118.87	0.78	55.9	Analog	0.10	3
1	Ho	165	3,170,485.37	0.59	56.5	Analog	0.10	3
2	Ho	165	2,168,899.86	0.87	56.9	Analog	0.10	3
1	Bi	209	1,900,646.95	0.40	58.0	Analog	0.10	3
2	Bi	209	1,453,426.17	0.32	57.0	Analog	0.10	3

Quantitation Report

File Name	142SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 2:37
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.006	ug/l	-80.39	40.00	4.652E-05	Pulse	0.25	3
B	11	6	1	1.264	ug/l	7.49	2,935.88	3.417E-03	Pulse	0.15	3
Na	23	45	1	37.738	ug/l	1.21	312,330.09	2.044E-01	Pulse	0.10	3
Na	23	45	2	35.631	ug/l	5.50	11,405.73	1.293E-01	Pulse	0.20	3
Mg	24	45	1	20.174	ug/l	1.99	76,284.76	4.993E-02	Pulse	0.10	3
Mg	24	45	2	19.405	ug/l	6.60	2,140.18	2.427E-02	Pulse	0.20	3
Al	27	45	1	3.048	ug/l	6.43	17,279.54	1.131E-02	Pulse	0.10	3
Al	27	45	2	2.730	ug/l	9.19	138.33	1.568E-03	Pulse	0.20	3
K	39	45	1	4.210	ug/l	14.76	535,747.41	3.507E-01	Pulse	0.10	3
K	39	45	2	2.875	ug/l	28.84	4,353.98	4.938E-02	Pulse	0.20	3
Ca	43	45	1	64.921	ug/l	4.90	967.81	6.334E-04	Pulse	1.50	3
Ca	43	45	2	69.749	ug/l	8.53	26.45	3.001E-04	Pulse	1.50	3
Ca	44	45	1	65.379	ug/l	2.78	15,617.95	1.022E-02	Pulse	0.10	3
Ca	44	45	2	67.887	ug/l	15.12	453.35	5.145E-03	Pulse	0.20	3
Ti	47	45	1	0.016	ug/l	198.08	36.67	2.400E-05	Pulse	0.10	3
Ti	47	45	2	0.000	ug/l	---	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	-0.011	ug/l	-92.60	130.00	1.475E-03	Pulse	0.20	3
Cr	52	45	2	1.128	ug/l	4.04	3,162.04	3.586E-02	Pulse	0.20	3
Mn	55	45	2	1.910	ug/l	7.46	1,716.79	1.947E-02	Pulse	0.20	3
Fe	56	45	2	6.806	ug/l	3.64	10,006.57	1.135E-01	Pulse	0.20	3
Co	59	45	2	0.016	ug/l	16.59	73.33	8.320E-04	Pulse	0.20	3
Ni	60	45	2	0.028	ug/l	210.48	100.00	1.136E-03	Pulse	0.20	3
Cu	63	45	2	0.030	ug/l	50.85	86.67	9.838E-04	Pulse	0.20	3
Cu	65	45	2	0.015	ug/l	173.33	40.00	4.541E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.006	ug/l	1301.65	50.00	5.681E-04	Pulse	0.20	3
As	75	45	2	0.002	ug/l	1758.89	6.67	7.537E-05	Pulse	0.50	3
Se	78	45	2	0.312	ug/l	60.95	16.33	1.852E-04	Pulse	1.00	3
Se	78	45	3	0.100	ug/l	116.27	5.00	3.841E-05	Pulse	1.00	3
Sr	88	45	1	0.422	ug/l	3.73	5,351.11	3.502E-03	Pulse	0.10	3
Mo	95	103	1	0.007	ug/l	374.62	83.34	4.143E-05	Pulse	0.10	3
Ag	107	115	1	0.017	ug/l	6.90	146.67	6.641E-05	Pulse	0.10	3
Cd	111	115	1	0.028	ug/l	61.00	38.67	1.751E-05	Pulse	0.25	3
Cd	111	115	2	0.017	ug/l	65.73	10.67	1.638E-05	Pulse	0.25	3
Sn	117	115	1	0.016	ug/l	212.35	66.67	3.016E-05	Pulse	0.10	3
Sn	118	115	1	0.048	ug/l	15.51	310.02	1.403E-04	Pulse	0.10	3
Sn	118	115	2	0.063	ug/l	99.20	126.67	1.946E-04	Pulse	0.10	3
Sn	119	115	1	-0.020	ug/l	-233.01	156.67	7.095E-05	Pulse	0.10	3
Sb	121	159	1	0.016	ug/l	40.26	236.68	7.073E-05	Pulse	0.10	3
Ba	137	159	1	0.158	ug/l	28.66	746.72	2.232E-04	Pulse	0.10	3
Tl	205	209	1	0.048	ug/l	17.81	713.38	3.740E-04	Pulse	0.10	3
Pb	208	209	1	0.000	ug/l	20981.92	536.69	2.810E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	859,052.61	0.91	48.6	Pulse	0.10	3
1	Sc	45	1,527,859.87	0.14	44.8	Analog	0.10	3
2	Sc	45	88,173.43	0.68	45.7	Pulse	0.10	3
3	Sc	45	129,274.26	1.13	43.1	Pulse	0.10	3
1	Ge	72	307,776.70	0.99	45.7	Pulse	0.10	3
2	Ge	72	55,532.22	1.01	48.0	Pulse	0.10	3
3	Ge	72	64,957.45	0.12	43.9	Pulse	0.10	3
1	Rh	103	2,011,318.72	0.12	49.0	Analog	0.10	3
2	Rh	103	1,316,599.41	0.59	51.3	Pulse	0.10	3
1	In	115	2,208,819.64	0.97	52.4	Analog	0.10	3
2	In	115	649,922.42	0.55	53.4	Pulse	0.10	3
1	Tb	159	3,345,878.91	0.16	55.8	Analog	0.10	3
2	Tb	159	2,214,749.08	0.05	55.8	Analog	0.10	3
1	Ho	165	3,187,760.89	0.61	56.8	Analog	0.10	3
2	Ho	165	2,168,433.51	0.50	56.9	Analog	0.10	3
1	Bi	209	1,907,142.84	0.84	58.2	Analog	0.10	3
2	Bi	209	1,463,024.04	0.33	57.4	Analog	0.10	3

Quantitation Report

File Name	143SMPL.D
File Path	C:\ICPMH\1\DATA\122712m3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 2:42
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/28/2012 8:15
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.005	ug/l	-33.33	38.67	4.754E-05	Pulse	0.25	3
B	11	6	1	0.971	ug/l	27.38	2,473.58	3.043E-03	Pulse	0.15	3
Na	23	45	1	34.266	ug/l	1.65	276,886.67	1.920E-01	Pulse	0.10	3
Na	23	45	2	33.927	ug/l	3.67	10,446.75	1.253E-01	Pulse	0.20	3
Mg	24	45	1	16.588	ug/l	2.09	59,389.37	4.119E-02	Pulse	0.10	3
Mg	24	45	2	15.148	ug/l	3.67	1,586.77	1.902E-02	Pulse	0.20	3
Al	27	45	1	2.997	ug/l	3.44	16,068.27	1.114E-02	Pulse	0.10	3
Al	27	45	2	3.257	ug/l	27.22	151.67	1.823E-03	Pulse	0.20	3
K	39	45	1	2.543	ug/l	58.20	494,401.55	3.429E-01	Pulse	0.10	3
K	39	45	2	4.083	ug/l	38.83	4,252.30	5.100E-02	Pulse	0.20	3
Ca	43	45	1	50.459	ug/l	5.92	720.01	4.992E-04	Pulse	1.50	3
Ca	43	45	2	50.473	ug/l	20.31	18.22	2.184E-04	Pulse	1.50	3
Ca	44	45	1	53.093	ug/l	2.94	12,158.22	8.433E-03	Pulse	0.10	3
Ca	44	45	2	49.268	ug/l	8.79	315.01	3.774E-03	Pulse	0.20	3
Ti	47	45	1	0.036	ug/l	113.55	46.67	3.231E-05	Pulse	0.10	3
Ti	47	45	2	0.000	ug/l	---	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	0.003	ug/l	1422.78	140.00	1.685E-03	Pulse	0.20	3
Cr	52	45	2	1.493	ug/l	12.26	3,550.46	4.261E-02	Pulse	0.20	3
Mn	55	45	2	1.305	ug/l	6.46	1,111.73	1.332E-02	Pulse	0.20	3
Fe	56	45	2	5.900	ug/l	3.04	8,347.29	1.001E-01	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	399.89	36.67	4.380E-04	Pulse	0.20	3
Ni	60	45	2	-0.018	ug/l	-179.32	66.67	7.972E-04	Pulse	0.20	3
Cu	63	45	2	0.031	ug/l	39.56	83.33	1.000E-03	Pulse	0.20	3
Cu	65	45	2	0.018	ug/l	124.13	40.00	4.772E-04	Pulse	0.20	3

Quantitation Report

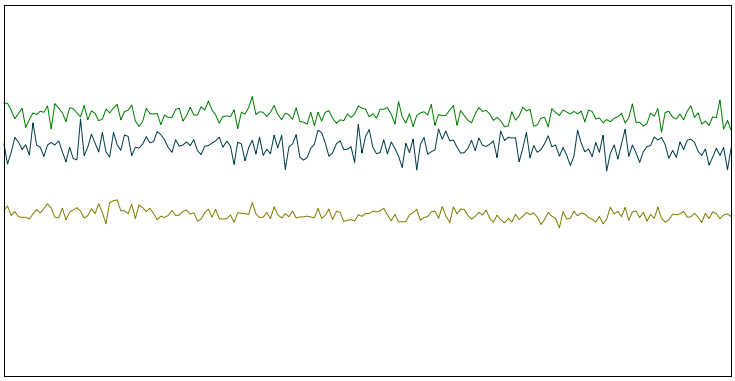
Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.023	ug/l	176.35	51.67	6.198E-04	Pulse	0.20	3
As	75	45	2	0.046	ug/l	3.05	14.00	1.679E-04	Pulse	0.50	3
Se	78	45	2	0.455	ug/l	22.78	17.67	2.119E-04	Pulse	1.00	3
Se	78	45	3	0.058	ug/l	43.17	3.00	2.457E-05	Pulse	1.00	3
Sr	88	45	1	0.320	ug/l	7.42	3,880.61	2.691E-03	Pulse	0.10	3
Mo	95	103	1	0.021	ug/l	57.87	110.00	5.781E-05	Pulse	0.10	3
Ag	107	115	1	0.021	ug/l	60.34	160.01	7.686E-05	Pulse	0.10	3
Cd	111	115	1	0.026	ug/l	29.85	34.67	1.662E-05	Pulse	0.25	3
Cd	111	115	2	0.005	ug/l	151.78	4.00	6.475E-06	Pulse	0.25	3
Sn	117	115	1	0.036	ug/l	137.14	83.34	3.996E-05	Pulse	0.10	3
Sn	118	115	1	0.024	ug/l	31.28	213.34	1.023E-04	Pulse	0.10	3
Sn	118	115	2	0.035	ug/l	50.25	86.67	1.399E-04	Pulse	0.10	3
Sn	119	115	1	-0.066	ug/l	-19.26	93.34	4.477E-05	Pulse	0.10	3
Sb	121	159	1	0.017	ug/l	60.82	226.68	7.098E-05	Pulse	0.10	3
Ba	137	159	1	0.078	ug/l	24.47	566.70	1.775E-04	Pulse	0.10	3
Tl	205	209	1	0.040	ug/l	42.65	610.03	3.357E-04	Pulse	0.10	3
Pb	208	209	1	-0.005	ug/l	-55.23	453.36	2.493E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	813,389.46	1.08	46.0	Pulse	0.10	3
1	Sc	45	1,442,002.22	0.85	42.3	Analog	0.10	3
2	Sc	45	83,396.31	1.75	43.2	Pulse	0.10	3
3	Sc	45	122,104.30	0.07	40.7	Pulse	0.10	3
1	Ge	72	288,964.86	0.74	42.9	Pulse	0.10	3
2	Ge	72	51,636.10	1.86	44.7	Pulse	0.10	3
3	Ge	72	60,242.10	1.20	40.7	Pulse	0.10	3
1	Rh	103	1,904,895.65	1.08	46.4	Analog	0.10	3
2	Rh	103	1,252,156.23	0.61	48.7	Pulse	0.10	3
1	In	115	2,083,996.78	0.50	49.4	Analog	0.10	3
2	In	115	620,136.26	0.59	51.0	Pulse	0.10	3
1	Tb	159	3,191,678.91	1.24	53.2	Analog	0.10	3
2	Tb	159	2,130,126.27	0.60	53.7	Analog	0.10	3
1	Ho	165	3,028,470.79	1.06	54.0	Analog	0.10	3
2	Ho	165	2,073,565.28	0.01	54.4	Analog	0.10	3
1	Bi	209	1,818,557.58	0.55	55.5	Analog	0.10	3
2	Bi	209	1,385,407.32	0.54	54.3	Analog	0.10	3

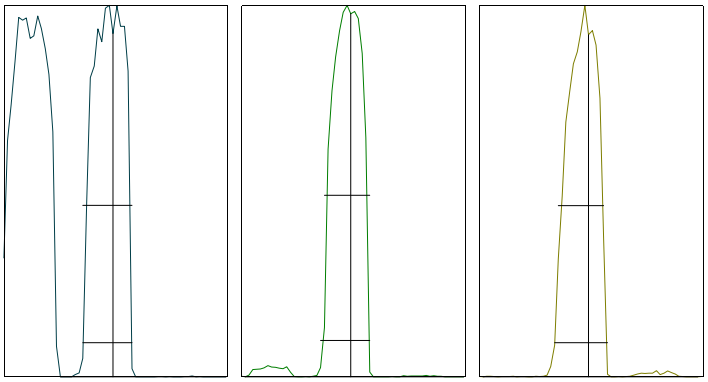
Tune Report

Tune File : nogas.u
Comment : 122712tune



Integration Time:	0.1000 sec	
Sampling Period:	0.3100 sec	
n:	200	
Oxide:	156/140	0.684%
Doubly Charged:	70/140	10.661%

m/z	Range	Count	Mean	RSD%	Background
7	2,000	1230.0	1236.7	4.04	0.20
89	5,000	3310.0	3518.2	2.50	0.80
205	5,000	2152.0	2178.2	2.99	2.20



m/z:	7	89	205
Height:	1,155	3,433	2,089
Axis:	7.00	89.00	205.00
W-50%:	0.65	0.60	0.60
W-10%:	0.6500	0.6500	0.700

Integration Time:	0.1000 sec
Acquisition Time:	22.7600 sec

Y axis : Linear

Generated : Dec 27, 2012 13:53:17
Printed : Dec 27, 2012 13:53:19

Tune Report

Tune File : nogas.u
Comment : 122712tune

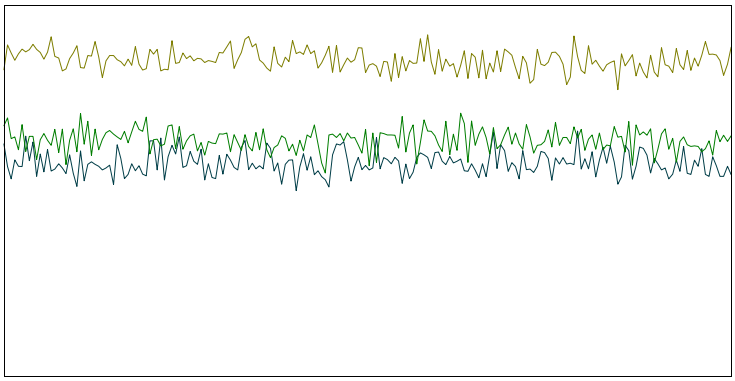
Tuning Parameters

===Plasma Condition===			===Ion Lenses===			===Q-Pole Parameters===		
RF Power	1500	W	Extract 1	0	V	AMU Gain	124	
RF Matching	1.6	V	Extract 2	-140	V	AMU Offset	129	
Smpl Depth	7.5	mm	Omega Bias	-70	V	Axis Gain	0.9995	
Torch-H	0.2	mm	Omega Lens	10.2	V	Axis Offset	-0.03	
Torch-V	-0.7	mm	Cell Entrance	-30	V	QP Bias	-3	V
Carrier Gas	0.6	L/min	Cell Exit	-50	V			
Dilution Mode	ON		Deflect	13	V	===Detector Parameters===		
Dilution Gas	0.5	L/min	Plate Bias	-40	V	Discriminator	4.5	mV
Optional Gas	---	%	===Octopole Parameters===			Analog HV	2151	V
Nebulizer Pump	0.1	rps	OctP RF	150	V	Pulse HV	1540	V
Sample Pump	---	rps	OctP Bias	-8	V			
S/C Temp	2	degC						

===Reaction Cell===								
Reaction Mode	OFF							
H2 Gas	---	mL/min	He Gas	0	mL/min	Optional Gas	---	%

Tune Report

Tune File : he.u
Comment : 122712tune



Integration Time: 0.1000 sec
Sampling Period: 0.3100 sec
n: 200
Oxide: 156/140 0.209%
Doubly Charged: 70/140 2.883%

m/z	Range	Count	Mean	RSD%	Background
59	1,000	543.0	574.0	5.50	0.20
89	1,000	648.0	637.2	4.68	0.10
205	2,000	1773.0	1704.0	3.32	0.30

Tuning Parameters

===Plasma Condition===			===Ion Lenses===			===Q-Pole Parameters===		
RF Power	:	1500 W	Extract 1	:	0 V	AMU Gain	:	124
RF Matching	:	1.6 V	Extract 2	:	-140 V	AMU Offset	:	129
Smpl Depth	:	7.5 mm	Omega Bias	:	-70 V	Axis Gain	:	0.9995
Torch-H	:	0.2 mm	Omega Lens	:	10.2 V	Axis Offset	:	-0.03
Torch-V	:	-0.7 mm	Cell Entrance	:	-40 V	QP Bias	:	-15 V
Carrier Gas	:	0.6 L/min	Cell Exit	:	-60 V			
Dilution Mode	:	ON	Deflect	:	1 V	===Detector Parameters===		
Dilution Gas	:	0.5 L/min	Plate Bias	:	-60 V	Discriminator	:	4.5 mV
Optional Gas	:	--- %	===Octopole Parameters===			Analog HV	:	2151 V
Nebulizer Pump	:	0.1 rps	OctP RF	:	150 V	Pulse HV	:	1540 V
Sample Pump	:	--- rps	OctP Bias	:	-18 V			
S/C Temp	:	2 degC						

===Reaction Cell===

Reaction Mode	:	ON						
H2 Gas	:	--- mL/min	He Gas	:	4.3 mL/min	Optional Gas	:	--- %

Generated : Dec 27, 2012 13:56:13
Printed : Dec 27, 2012 13:56:15

QC Tune Report

Data File: C:\ICPMH\1\7500\QCTUNE.D
Date Acquired: 27 Dec 2012 02:05:59 pm
Operator:
Misc Info:
Vial Number: 0
Current Method: C:\ICPMH\1\METHODS\PERF.m

Minimum Response(CPS)

Element		Actual	Required	Flag
9	Be	3043.05	0.00	
24	Mg	10185.90	0.00	
25	Mg	1382.78	0.00	
26	Mg	1573.41	0.00	
59	Co	16494.70	0.00	
115	In	27653.30	0.00	
206	Pb	6469.90	0.00	
207	Pb	5491.10	0.00	
208	Pb	13366.00	0.00	

RSD (%)

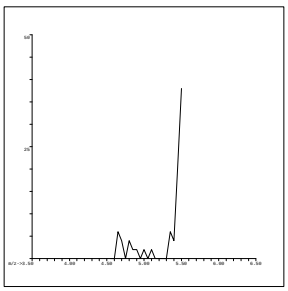
Element		Actual	Required	Flag
9	Be	1.08	5.00	
24	Mg	0.94	5.00	
25	Mg	1.02	5.00	
26	Mg	2.11	5.00	
59	Co	0.37	5.00	
115	In	0.63	5.00	
206	Pb	1.49	5.00	
207	Pb	0.63	5.00	
208	Pb	0.58	5.00	

Ion Ratio

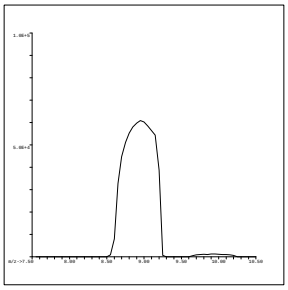
Element		Actual	Required	Flag
9	Be	0.11	0.00-1.00	
24	Mg	0.37	0.00-1.00	
25	Mg	0.05	0.00-1.00	
26	Mg	0.06	0.00-1.00	
59	Co	0.60	0.00-1.00	
206	Pb	0.23	0.00-1.00	
207	Pb	0.20	0.00-1.00	
208	Pb	0.48	0.00-1.00	

Maximum Bkg. Count(CPS)

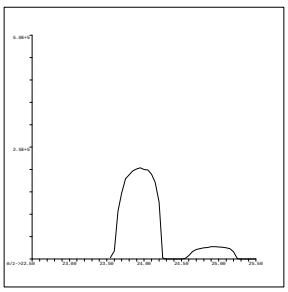
Element	Actual	Required	Flag
5Bkgrnd	0.67	100.00	



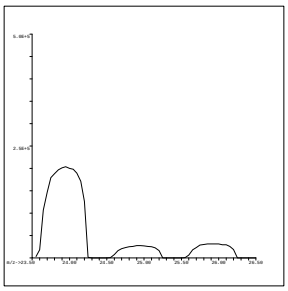
Bkg Spectrum



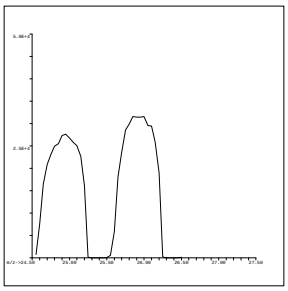
9 Be
Mass Calib.
Actual: 8.95
Required: 8.90-9.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



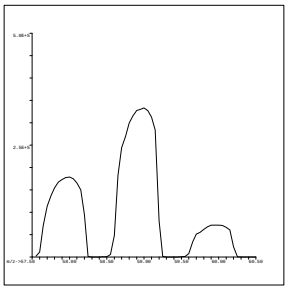
24 Mg
Mass Calib.
Actual: 23.95
Required: 23.90-24.10
Flag:
Peak Width
Actual: 0.55
Required: 0.90
Flag:



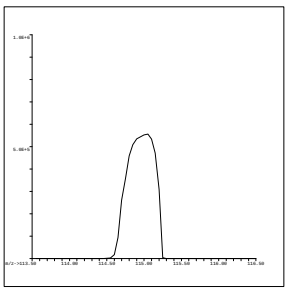
25 Mg
Mass Calib.
Actual: 24.95
Required: 24.90-25.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



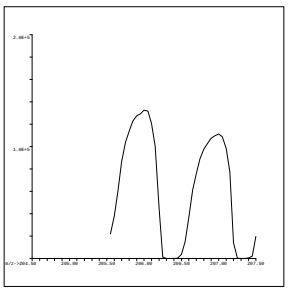
26 Mg
Mass Calib.
Actual: 25.90
Required: 25.90-26.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



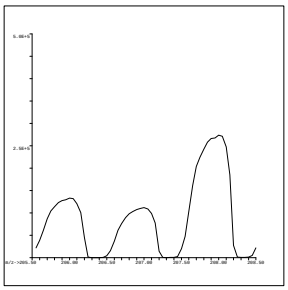
59 Co
Mass Calib.
Actual: 58.95
Required: 58.90-59.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



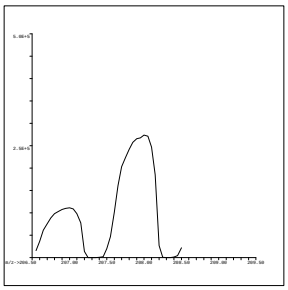
115 In
Mass Calib.
Actual: 115.00
Required: 114.90-115.10
Flag:
Peak Width
Actual: 0.55
Required: 0.90
Flag:



206 Pb
Mass Calib.
Actual: 205.95
Required: 205.90-206.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



207 Pb
Mass Calib.
Actual: 206.95
Required: 206.90-207.10
Flag:
Peak Width
Actual: 0.55
Required: 0.90
Flag:

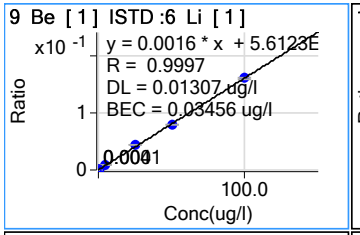


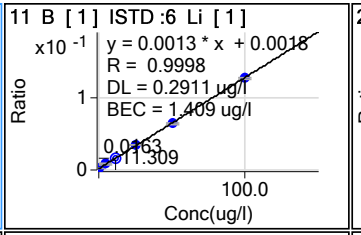
208 Pb
Mass Calib.
Actual: 207.95
Required: 207.90-208.10
Flag:
Peak Width
Actual: 0.55
Required: 0.90
Flag:

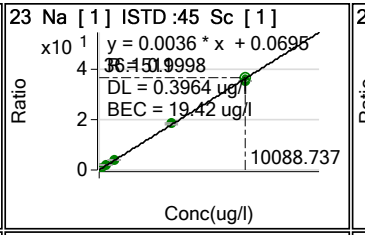
QC Tune Result:Pass

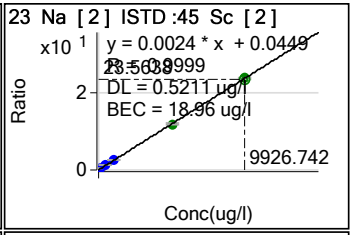
Sample		
	Rjct	
	Data File	001SMPL.D
	Acq. Date-Time	12/27/2012 2:12 PM
	Type	Sample
	Level	
	Sample Name	Performance
	Dilution	1
9 Be [1]	CPS	32570.038
	CPS RSD	0.779980573
9 Be [1] Replicate Data	Rep01	
	CPS Rep01	32129.25
	Rep02	
	CPS Rep02	32588.3
	Rep03	
	CPS Rep03	32719.64
	Rep04	
	CPS Rep04	32662.38
	Rep05	
	CPS Rep05	32750.62
24 Mg [1]	CPS	108023.764
	CPS RSD	0.214570592
24 Mg [1] Replicate Data	Rep01	
	CPS Rep01	107640.64
	Rep02	
	CPS Rep02	108063.46
	Rep03	
	CPS Rep03	108051.03
	Rep04	
	CPS Rep04	108270.78
	Rep05	
	CPS Rep05	108092.91
25 Mg [1]	CPS	14774.286
	CPS RSD	0.676575672
25 Mg [1] Replicate Data	Rep01	
	CPS Rep01	14655.35
	Rep02	
	CPS Rep02	14807.03
	Rep03	
	CPS Rep03	14923.18
	Rep04	
	CPS Rep04	14725.41
	Rep05	
	CPS Rep05	14760.46
26 Mg [1]	CPS	17025.896
	CPS RSD	1.002999833
26 Mg [1] Replicate Data	Rep01	
	CPS Rep01	17076.27
	Rep02	
	CPS Rep02	17025.7
	Rep03	
	CPS Rep03	16836.4
	Rep04	
	CPS Rep04	17280.62
	Rep05	
	CPS Rep05	16910.49
59 Co [1]	CPS	169468.216
	CPS RSD	0.383237889
	Rep01	

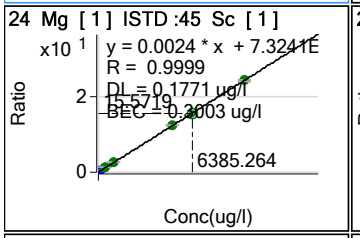
59 Co [1] Replicate Data	CPS Rep01	168569.94
	Rep02	
	CPS Rep02	169879.12
	Rep03	
	CPS Rep03	169071.19
	Rep04	
	CPS Rep04	169625.13
	Rep05	
	CPS Rep05	170195.7
115 In [1]	CPS	261808.606
	CPS RSD	0.69535706
115 In [1] Replicate Data	Rep01	
	CPS Rep01	259475.53
	Rep02	
	CPS Rep02	261959.05
	Rep03	
	CPS Rep03	261126.88
	Rep04	
	CPS Rep04	261971.13
	Rep05	
	CPS Rep05	264510.44
206 Pb [1]	CPS	67499.59
	CPS RSD	0.867781751
206 Pb [1] Replicate Data	Rep01	
	CPS Rep01	66714.45
	Rep02	
	CPS Rep02	67186.42
	Rep03	
	CPS Rep03	67805.41
	Rep04	
	CPS Rep04	67542.04
	Rep05	
	CPS Rep05	68249.63
207 Pb [1]	CPS	56483.674
	CPS RSD	0.51843698
207 Pb [1] Replicate Data	Rep01	
	CPS Rep01	56151.54
	Rep02	
	CPS Rep02	56601.12
	Rep03	
	CPS Rep03	56329.19
	Rep04	
	CPS Rep04	56416.38
	Rep05	
	CPS Rep05	56920.14
208 Pb [1]	CPS	140080.56
	CPS RSD	0.660418382
208 Pb [1] Replicate Data	Rep01	
	CPS Rep01	138437.45
	Rep02	
	CPS Rep02	140315.49
	Rep03	
	CPS Rep03	140602.97
	Rep04	
	CPS Rep04	140563.21
	Rep05	
	CPS Rep05	140483.68

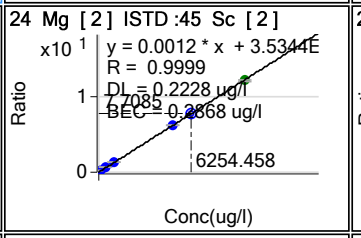

9 Be [1] ISTD :6 Li [1]
x10 -1
y = 0.0016 * x + 5.6123E
R = 0.9997
DL = 0.01307 ug/l
BEC = 0.03456 ug/l
Ratio
0.0001
100.0
Conc(ug/l)

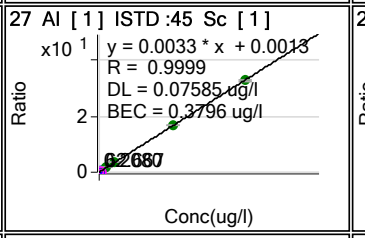

11 B [1] ISTD :6 Li [1]
x10 -1
y = 0.0013 * x + 0.0018
R = 0.9998
DL = 0.2911 ug/l
BEC = 1.409 ug/l
Ratio
0.0163
11.309
100.0
Conc(ug/l)

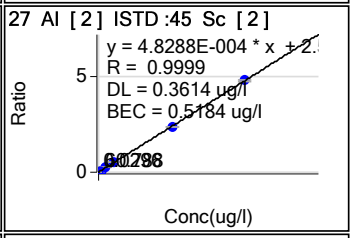

23 Na [1] ISTD :45 Sc [1]
x10 1
y = 0.0036 * x + 0.0695
R = 0.9998
DL = 0.3964 ug/l
BEC = 19.42 ug/l
Ratio
10088.737
Conc(ug/l)

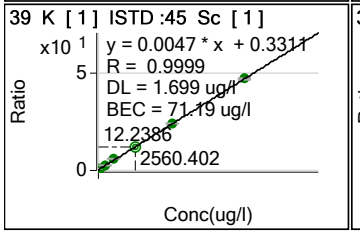

23 Na [2] ISTD :45 Sc [2]
x10 1
y = 0.0024 * x + 0.0449
R = 0.9999
DL = 0.5211 ug/l
BEC = 18.96 ug/l
Ratio
9926.742
Conc(ug/l)

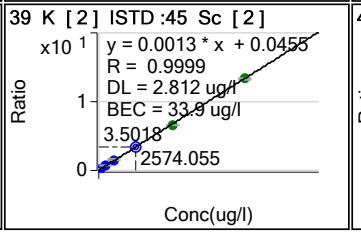

24 Mg [1] ISTD :45 Sc [1]
x10 1
y = 0.0024 * x + 7.3241E
R = 0.9999
DL = 0.1771 ug/l
BEC = 0.3003 ug/l
Ratio
6385.264
Conc(ug/l)

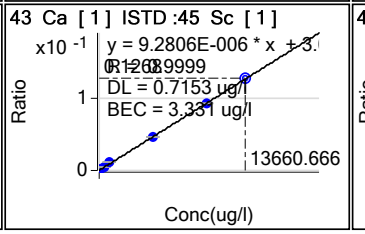

24 Mg [2] ISTD :45 Sc [2]
x10 1
y = 0.0012 * x + 3.5344E
R = 0.9999
DL = 0.2228 ug/l
BEC = 0.3868 ug/l
Ratio
6254.458
Conc(ug/l)

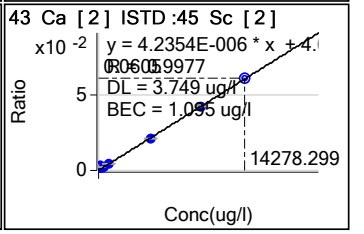

27 Al [1] ISTD :45 Sc [1]
x10 1
y = 0.0033 * x + 0.0013
R = 0.9999
DL = 0.07585 ug/l
BEC = 0.3796 ug/l
Ratio
Conc(ug/l)

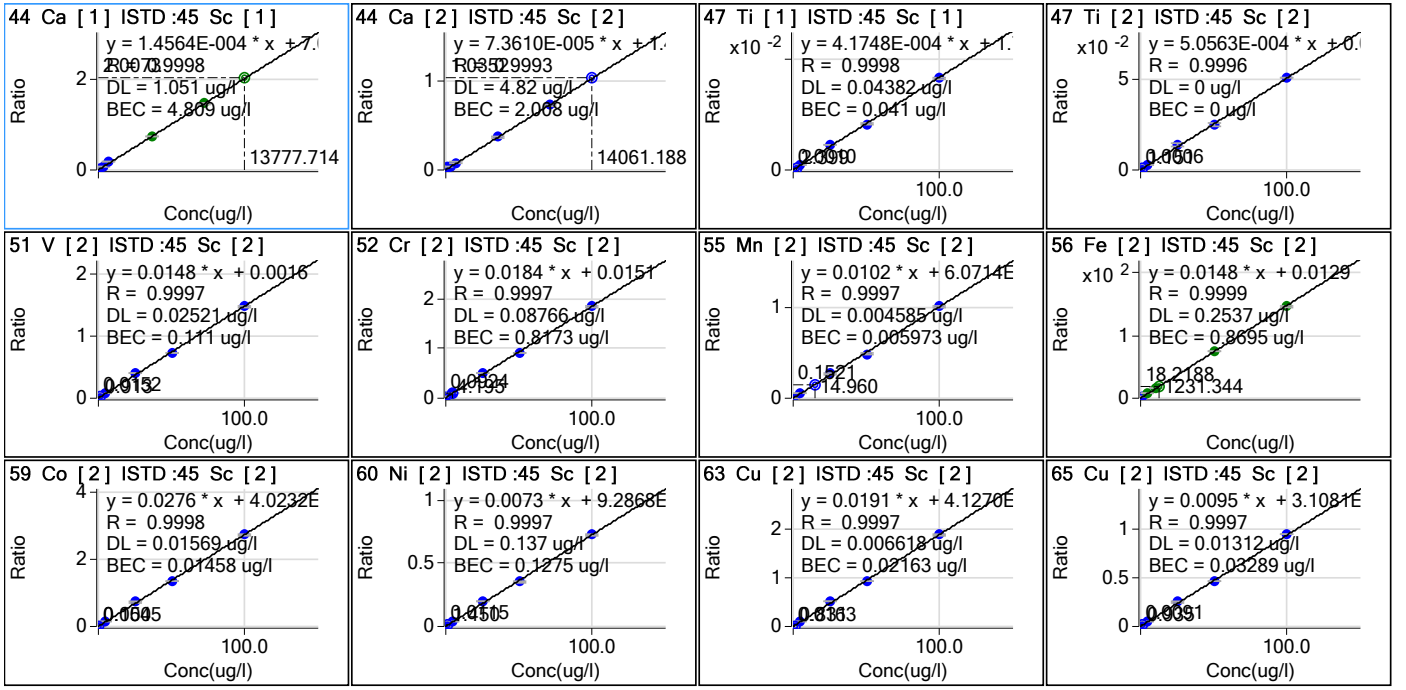

27 Al [2] ISTD :45 Sc [2]
y = 4.8288E-004 * x + 2.
R = 0.9999
DL = 0.3614 ug/l
BEC = 0.5184 ug/l
Ratio
Conc(ug/l)

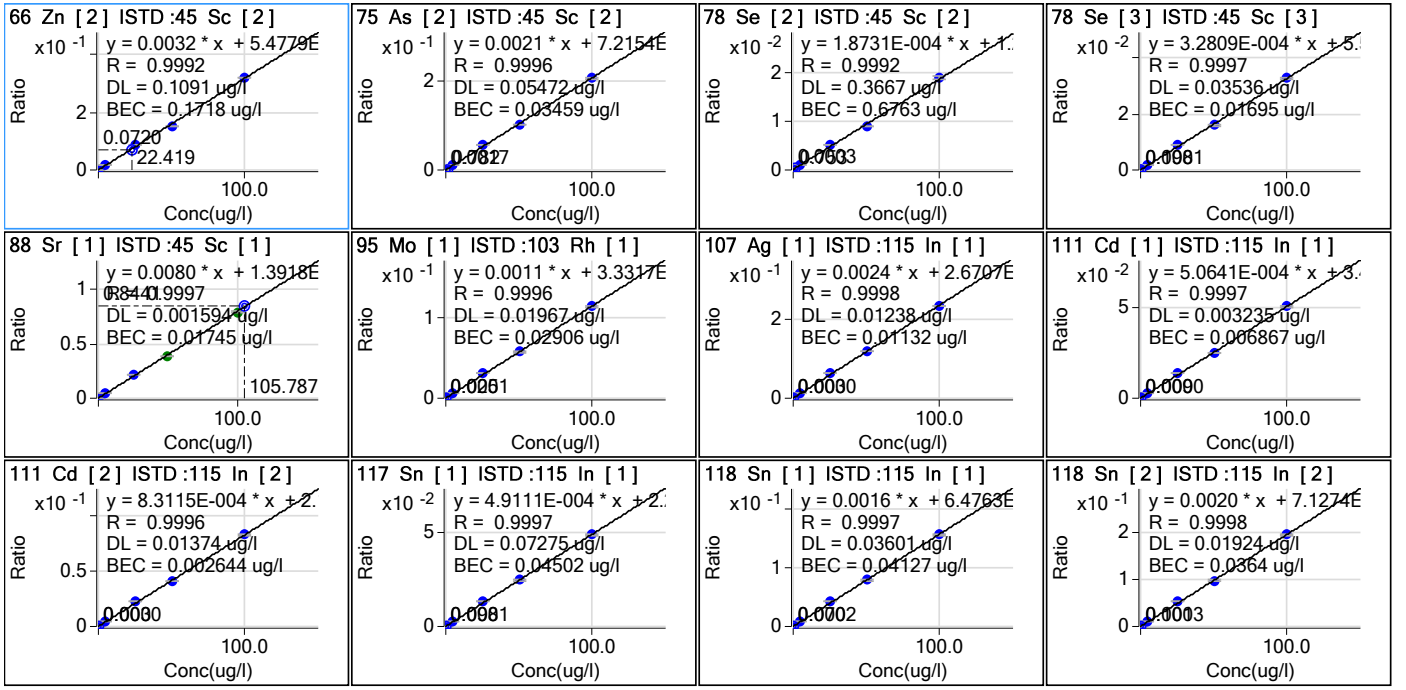

39 K [1] ISTD :45 Sc [1]
x10 1
y = 0.0047 * x + 0.3311
R = 0.9999
DL = 1.699 ug/l
BEC = 71.19 ug/l
Ratio
12.2386
2560.402
Conc(ug/l)

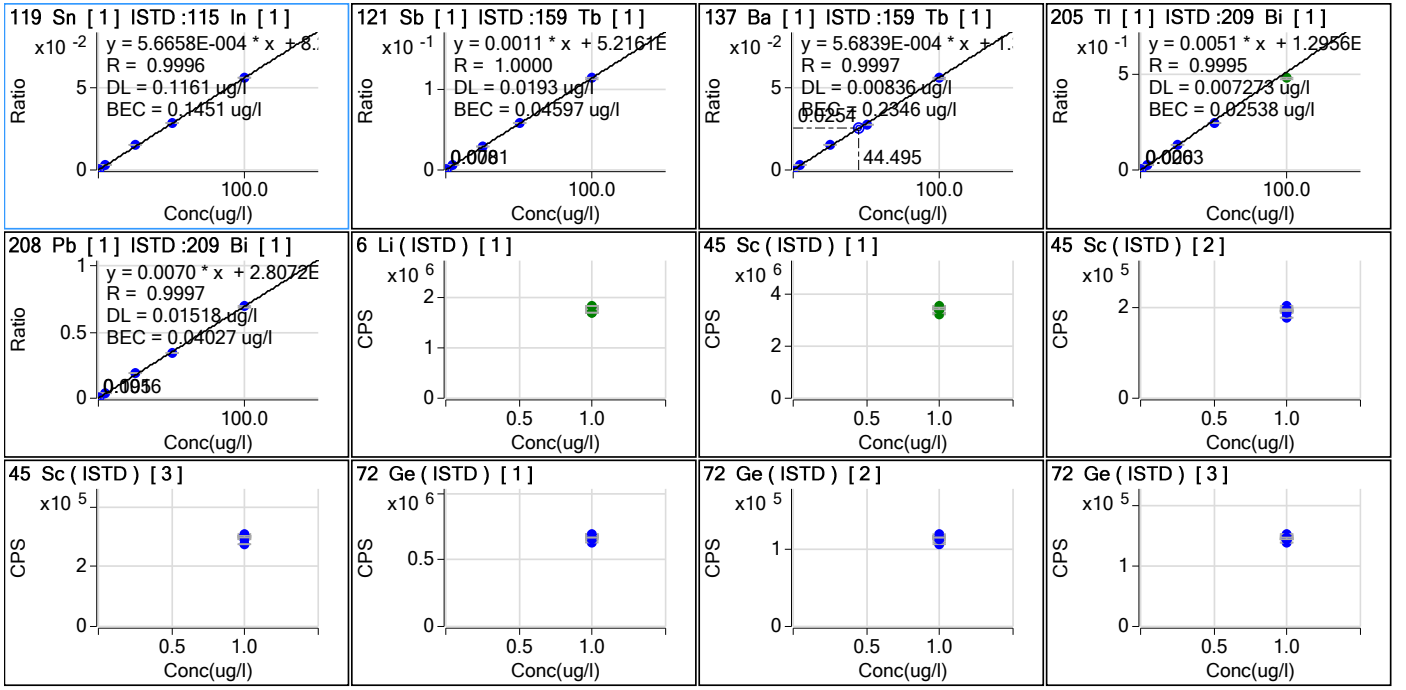

39 K [2] ISTD :45 Sc [2]
x10 1
y = 0.0013 * x + 0.0455
R = 0.9999
DL = 2.812 ug/l
BEC = 33.9 ug/l
Ratio
3.5018
2574.055
Conc(ug/l)


43 Ca [1] ISTD :45 Sc [1]
x10 -1
y = 9.2806E-006 * x + 3.
R = 0.9999
DL = 0.7153 ug/l
BEC = 3.331 ug/l
Ratio
13660.666
Conc(ug/l)


43 Ca [2] ISTD :45 Sc [2]
x10 -2
y = 4.2354E-006 * x + 4.
R = 0.9999
DL = 3.749 ug/l
BEC = 1.095 ug/l
Ratio
14278.299
Conc(ug/l)


44 Ca [1] ISTD :45 Sc [1]
y = 1.4564E-004 * x + 7.
R = 0.9998
DL = 1.051 ug/l
BEC = 4.809 ug/l
13777.714
Ratio
Conc(ug/l)
44 Ca [2] ISTD :45 Sc [2]
y = 7.3610E-005 * x + 1.
R = 0.9993
DL = 4.82 ug/l
BEC = 2.068 ug/l
14061.188
Ratio
Conc(ug/l)
47 Ti [1] ISTD :45 Sc [1]
x10 -2
y = 4.1748E-004 * x + 1.
R = 0.9998
DL = 0.04382 ug/l
BEC = 0.041 ug/l
Ratio
Conc(ug/l)
47 Ti [2] ISTD :45 Sc [2]
x10 -2
y = 5.0563E-004 * x + 0.
R = 0.9996
DL = 0 ug/l
BEC = 0 ug/l
Ratio
Conc(ug/l)
51 V [2] ISTD :45 Sc [2]
y = 0.0148 * x + 0.0016
R = 0.9997
DL = 0.02521 ug/l
BEC = 0.111 ug/l
Ratio
Conc(ug/l)
52 Cr [2] ISTD :45 Sc [2]
y = 0.0184 * x + 0.0151
R = 0.9997
DL = 0.08766 ug/l
BEC = 0.8173 ug/l
Ratio
Conc(ug/l)
55 Mn [2] ISTD :45 Sc [2]
y = 0.0102 * x + 6.0714E
R = 0.9997
DL = 0.004585 ug/l
BEC = 0.005973 ug/l
Ratio
Conc(ug/l)
56 Fe [2] ISTD :45 Sc [2]
x10 2
y = 0.0148 * x + 0.0129
R = 0.9999
DL = 0.2537 ug/l
BEC = 0.8695 ug/l
Ratio
Conc(ug/l)
59 Co [2] ISTD :45 Sc [2]
y = 0.0276 * x + 4.0232E
R = 0.9998
DL = 0.01569 ug/l
BEC = 0.01458 ug/l
Ratio
Conc(ug/l)
60 Ni [2] ISTD :45 Sc [2]
y = 0.0073 * x + 9.2868E
R = 0.9997
DL = 0.137 ug/l
BEC = 0.1275 ug/l
Ratio
Conc(ug/l)
63 Cu [2] ISTD :45 Sc [2]
y = 0.0191 * x + 4.1270E
R = 0.9997
DL = 0.006618 ug/l
BEC = 0.02163 ug/l
Ratio
Conc(ug/l)
65 Cu [2] ISTD :45 Sc [2]
y = 0.0095 * x + 3.1081E
R = 0.9997
DL = 0.01312 ug/l
BEC = 0.03289 ug/l
Ratio
Conc(ug/l)


66 Zn [2] ISTD :45 Sc [2]
y = 0.0032 * x + 5.4779E
R = 0.9992
DL = 0.1091 ug/l
BEC = 0.1718 ug/l
0.0720
22.419
75 As [2] ISTD :45 Sc [2]
y = 0.0021 * x + 7.2154E
R = 0.9996
DL = 0.05472 ug/l
BEC = 0.03459 ug/l
78 Se [2] ISTD :45 Sc [2]
y = 1.8731E-004 * x + 1.
R = 0.9992
DL = 0.3667 ug/l
BEC = 0.6763 ug/l
78 Se [3] ISTD :45 Sc [3]
y = 3.2809E-004 * x + 5.
R = 0.9997
DL = 0.03536 ug/l
BEC = 0.01695 ug/l
88 Sr [1] ISTD :45 Sc [1]
y = 0.0080 * x + 1.3918E
R = 0.9997
DL = 0.001594 ug/l
BEC = 0.01745 ug/l
105.787
95 Mo [1] ISTD :103 Rh [1]
y = 0.0011 * x + 3.3317E
R = 0.9996
DL = 0.01967 ug/l
BEC = 0.02906 ug/l
107 Ag [1] ISTD :115 In [1]
y = 0.0024 * x + 2.6707E
R = 0.9998
DL = 0.01238 ug/l
BEC = 0.01132 ug/l
111 Cd [1] ISTD :115 In [1]
y = 5.0641E-004 * x + 3.
R = 0.9997
DL = 0.003235 ug/l
BEC = 0.006867 ug/l
111 Cd [2] ISTD :115 In [2]
y = 8.3115E-004 * x + 2.
R = 0.9996
DL = 0.01374 ug/l
BEC = 0.002644 ug/l
117 Sn [1] ISTD :115 In [1]
y = 4.9111E-004 * x + 2.
R = 0.9997
DL = 0.07275 ug/l
BEC = 0.04502 ug/l
118 Sn [1] ISTD :115 In [1]
y = 0.0016 * x + 6.4763E
R = 0.9997
DL = 0.03601 ug/l
BEC = 0.04127 ug/l
118 Sn [2] ISTD :115 In [2]
y = 0.0020 * x + 7.1274E
R = 0.9998
DL = 0.01924 ug/l
BEC = 0.0364 ug/l
Ratio
Conc(ug/l)
100.0


119 Sn [1] ISTD :115 In [1]
y = 5.6658E-004 * x + 8.
R = 0.9996
DL = 0.1161 ug/l
BEC = 0.1451 ug/l
Ratio
Conc(ug/l)
121 Sb [1] ISTD :159 Tb [1]
y = 0.0011 * x + 5.2161E
R = 1.0000
DL = 0.0193 ug/l
BEC = 0.04597 ug/l
137 Ba [1] ISTD :159 Tb [1]
y = 5.6839E-004 * x + 1.
R = 0.9997
DL = 0.00836 ug/l
BEC = 0.2346 ug/l
44.495
205 Tl [1] ISTD :209 Bi [1]
y = 0.0051 * x + 1.2956E
R = 0.9995
DL = 0.007273 ug/l
BEC = 0.02538 ug/l
208 Pb [1] ISTD :209 Bi [1]
y = 0.0070 * x + 2.8072E
R = 0.9997
DL = 0.01518 ug/l
BEC = 0.04027 ug/l
6 Li (ISTD) [1]
CPS
45 Sc (ISTD) [1]
45 Sc (ISTD) [2]
45 Sc (ISTD) [3]
72 Ge (ISTD) [1]
72 Ge (ISTD) [2]
72 Ge (ISTD) [3]

103 Rh (ISTD) [1]
x10 6
CPS
0
0.5
1.0
Conc(ug/l)
103 Rh (ISTD) [2]
x10 6
2
CPS
0
0.5
1.0
Conc(ug/l)
115 In (ISTD) [1]
x10 6
CPS
0
0.5
1.0
Conc(ug/l)
115 In (ISTD) [2]
x10 6
1
CPS
0
0.5
1.0
Conc(ug/l)
159 Tb (ISTD) [1]
x10 6
5
CPS
0
0.5
1.0
Conc(ug/l)
159 Tb (ISTD) [2]
x10 6
CPS
0
0.5
1.0
Conc(ug/l)
165 Ho (ISTD) [1]
x10 6
5
CPS
0
0.5
1.0
Conc(ug/l)
165 Ho (ISTD) [2]
x10 6
4
2
CPS
0
0.5
1.0
Conc(ug/l)
209 Bi (ISTD) [1]
x10 6
2
CPS
0
0.5
1.0
Conc(ug/l)
209 Bi (ISTD) [2]
x10 6
2
CPS
0
0.5
1.0
Conc(ug/l)

Quantitation Report

File Name	001CALB.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 21:13
Sample Name	STDA 2
Sample Type	CalBlk
Comment	0
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.003	ug/l	-47.84	14.67	6.995E-06	Pulse	0.25	3
B	11	6	1	0.514	ug/l	10.27	4,318.44	2.056E-03	Pulse	0.15	3
Na	23	45	1	-1.845	ug/l	-9.06	142,374.13	3.969E-02	Pulse	0.10	3
Na	23	45	2	-0.844	ug/l	-87.31	6,319.66	3.572E-02	Pulse	0.20	3
Mg	24	45	1	0.031	ug/l	26.31	2,393.59	6.670E-04	Pulse	0.10	3
Mg	24	45	2	0.034	ug/l	150.41	85.00	4.807E-04	Pulse	0.20	3
Al	27	45	1	0.055	ug/l	168.13	5,669.92	1.579E-03	Pulse	0.10	3
Al	27	45	2	0.120	ug/l	313.20	40.00	2.266E-04	Pulse	0.20	3
K	39	45	1	-1.797	ug/l	-16.13	974,509.44	2.716E-01	Pulse	0.10	3
K	39	45	2	-0.943	ug/l	-134.23	6,636.45	3.752E-02	Pulse	0.20	3
Ca	43	45	1	-0.729	ug/l	-15.32	100.89	2.812E-05	Pulse	1.50	3
Ca	43	45	2	0.266	ug/l	485.99	2.44	1.381E-05	Pulse	1.50	3
Ca	44	45	1	-1.143	ug/l	-27.35	2,810.35	7.834E-04	Pulse	0.10	3
Ca	44	45	2	-1.216	ug/l	-29.46	20.00	1.130E-04	Pulse	0.20	3
Ti	47	45	1	0.011	ug/l	100.58	90.00	2.506E-05	Pulse	0.10	3
Ti	47	45	2	0.016	ug/l	351.61	6.67	3.763E-05	Pulse	0.20	3
V	51	45	2	-0.003	ug/l	-447.72	301.68	1.706E-03	Pulse	0.20	3
Cr	52	45	2	0.028	ug/l	75.30	1,255.07	7.096E-03	Pulse	0.20	3
Mn	55	45	2	-0.019	ug/l	-41.61	21.67	1.226E-04	Pulse	0.20	3
Fe	56	45	2	-0.164	ug/l	-47.14	2,335.21	1.320E-02	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	237.31	20.00	1.130E-04	Pulse	0.20	3
Ni	60	45	2	-0.031	ug/l	-47.41	166.67	9.421E-04	Pulse	0.20	3
Cu	63	45	2	-0.016	ug/l	-21.13	188.34	1.065E-03	Pulse	0.20	3
Cu	65	45	2	-0.028	ug/l	-74.23	61.67	3.492E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.213	ug/l	-10.96	138.33	7.823E-04	Pulse	0.20	3
As	75	45	2	-0.006	ug/l	-170.30	9.33	5.270E-05	Pulse	0.50	3
Se	78	45	2	-0.143	ug/l	-133.75	9.67	5.455E-05	Pulse	1.00	3
Se	78	45	3	0.008	ug/l	269.31	3.67	9.826E-06	Pulse	1.00	3
Sr	88	45	1	-0.002	ug/l	-51.33	510.03	1.422E-04	Pulse	0.10	3
Mo	95	103	1	0.014	ug/l	29.37	200.01	3.652E-05	Pulse	0.10	3
Ag	107	115	1	0.000	ug/l	2208.00	130.01	2.161E-05	Pulse	0.10	3
Cd	111	115	1	-0.002	ug/l	-154.19	18.67	3.095E-06	Pulse	0.25	3
Cd	111	115	2	-0.003	ug/l	-119.94	2.67	1.963E-06	Pulse	0.25	3
Sn	117	115	1	0.043	ug/l	84.50	316.68	5.261E-05	Pulse	0.10	3
Sn	118	115	1	0.020	ug/l	50.02	723.38	1.200E-04	Pulse	0.10	3
Sn	118	115	2	0.029	ug/l	102.55	283.35	2.035E-04	Pulse	0.10	3
Sn	119	115	1	-0.001	ug/l	-2572.57	270.02	4.478E-05	Pulse	0.10	3
Sb	121	159	1	-0.017	ug/l	-74.90	1,713.49	1.757E-04	Pulse	0.10	3
Ba	137	159	1	0.026	ug/l	80.32	926.73	9.497E-05	Pulse	0.10	3
Tl	205	209	1	0.038	ug/l	15.08	2,753.70	4.776E-04	Pulse	0.10	3
Pb	208	209	1	-0.002	ug/l	-91.35	660.04	1.145E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,099,684.26	0.94	100.0	Analog	0.10	3
1	Sc	45	3,587,930.88	0.82	100.0	Analog	0.10	3
2	Sc	45	176,882.19	0.38	100.0	Pulse	0.10	3
3	Sc	45	372,976.07	0.69	100.0	Pulse	0.10	3
1	Ge	72	760,565.74	0.97	100.0	Pulse	0.10	3
2	Ge	72	114,662.31	0.95	100.0	Pulse	0.10	3
3	Ge	72	185,678.00	0.90	100.0	Pulse	0.10	3
1	Rh	103	5,479,121.79	0.57	100.0	Analog	0.10	3
2	Rh	103	3,239,020.47	1.07	100.0	Analog	0.10	3
1	In	115	6,026,441.66	0.55	100.0	Analog	0.10	3
2	In	115	1,392,899.82	2.28	100.0	Mix	0.10	3
1	Tb	159	9,750,924.64	0.97	100.0	Analog	0.10	3
2	Tb	159	5,586,498.25	0.60	100.0	Analog	0.10	3
1	Ho	165	9,441,033.82	0.37	100.0	Analog	0.10	3
2	Ho	165	5,495,616.17	0.25	100.0	Analog	0.10	3
1	Bi	209	5,764,893.25	0.67	100.0	Analog	0.10	3
2	Bi	209	3,867,052.86	0.59	100.0	Analog	0.10	3

Quantitation Report

File Name	002CALB.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 21:18
Sample Name	STDA 2
Sample Type	CalBlk
Comment	0
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.002	ug/l	-69.34	21.33	1.003E-05	Pulse	0.25	3
B	11	6	1	0.318	ug/l	14.00	3,700.51	1.740E-03	Pulse	0.15	3
Na	23	45	1	-0.619	ug/l	-14.37	161,045.40	4.459E-02	Pulse	0.10	3
Na	23	45	2	0.245	ug/l	277.93	6,976.58	3.897E-02	Pulse	0.20	3
Mg	24	45	1	0.013	ug/l	154.61	2,233.57	6.185E-04	Pulse	0.10	3
Mg	24	45	2	-0.032	ug/l	-134.82	68.33	3.811E-04	Pulse	0.20	3
Al	27	45	1	-0.032	ug/l	-32.05	4,590.80	1.271E-03	Pulse	0.10	3
Al	27	45	2	0.097	ug/l	26.86	38.33	2.140E-04	Pulse	0.20	3
K	39	45	1	-0.096	ug/l	-258.20	1,010,126.68	2.797E-01	Pulse	0.10	3
K	39	45	2	0.676	ug/l	253.10	7,126.67	3.982E-02	Pulse	0.20	3
Ca	43	45	1	0.225	ug/l	134.99	134.89	3.735E-05	Pulse	1.50	3
Ca	43	45	2	-0.330	ug/l	-440.69	2.00	1.116E-05	Pulse	1.50	3
Ca	44	45	1	0.035	ug/l	1893.18	3,500.53	9.693E-04	Pulse	0.10	3
Ca	44	45	2	2.664	ug/l	94.93	75.00	4.183E-04	Pulse	0.20	3
Ti	47	45	1	-0.013	ug/l	-47.30	50.00	1.385E-05	Pulse	0.10	3
Ti	47	45	2	-0.048	ug/l	0.00	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	0.003	ug/l	531.51	323.34	1.805E-03	Pulse	0.20	3
Cr	52	45	2	0.028	ug/l	7.79	1,270.08	7.093E-03	Pulse	0.20	3
Mn	55	45	2	-0.006	ug/l	-155.37	51.67	2.886E-04	Pulse	0.20	3
Fe	56	45	2	0.129	ug/l	49.44	3,295.39	1.841E-02	Pulse	0.20	3
Co	59	45	2	0.000	ug/l	122.08	18.33	1.024E-04	Pulse	0.20	3
Ni	60	45	2	0.007	ug/l	42.71	233.34	1.303E-03	Pulse	0.20	3
Cu	63	45	2	0.001	ug/l	1135.23	266.68	1.490E-03	Pulse	0.20	3
Cu	65	45	2	0.000	ug/l	2333.63	128.33	7.173E-04	Pulse	0.20	3
Zn	66	45	2	-0.052	ug/l	-114.53	265.01	1.482E-03	Pulse	0.20	3
As	75	45	2	0.002	ug/l	550.85	13.33	7.424E-05	Pulse	0.50	3
Se	78	45	2	-0.060	ug/l	-96.82	13.33	7.443E-05	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.028	ug/l	57.99	6.67	1.816E-05	Pulse	1.00	3
Sr	88	45	1	0.001	ug/l	129.58	663.37	1.837E-04	Pulse	0.10	3
Mo	95	103	1	0.007	ug/l	62.81	156.68	2.828E-05	Pulse	0.10	3
Ag	107	115	1	0.000	ug/l	2694.64	130.00	2.145E-05	Pulse	0.10	3
Cd	111	115	1	-0.003	ug/l	-36.03	16.00	2.641E-06	Pulse	0.25	3
Cd	111	115	2	-0.002	ug/l	-1.85	4.00	2.918E-06	Pulse	0.25	3
Sn	117	115	1	-0.001	ug/l	-2091.04	166.68	2.750E-05	Pulse	0.10	3
Sn	118	115	1	0.012	ug/l	43.79	640.04	1.056E-04	Pulse	0.10	3
Sn	118	115	2	0.009	ug/l	183.50	213.34	1.556E-04	Pulse	0.10	3
Sn	119	115	1	0.000	ug/l	-3731.55	273.34	4.511E-05	Pulse	0.10	3
Sb	121	159	1	-0.038	ug/l	-21.10	1,456.78	1.500E-04	Pulse	0.10	3
Ba	137	159	1	0.035	ug/l	79.96	973.41	1.002E-04	Pulse	0.10	3
Tl	205	209	1	0.007	ug/l	65.42	1,756.86	3.063E-04	Pulse	0.10	3
Pb	208	209	1	0.001	ug/l	98.21	776.71	1.354E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,126,589.69	0.34	100.0	Analog	0.10	3
1	Sc	45	3,611,318.28	0.09	100.0	Analog	0.10	3
2	Sc	45	179,071.33	1.23	100.0	Pulse	0.10	3
3	Sc	45	367,044.42	0.22	100.0	Pulse	0.10	3
1	Ge	72	761,585.67	1.32	100.0	Pulse	0.10	3
2	Ge	72	115,665.02	1.43	100.0	Pulse	0.10	3
3	Ge	72	185,337.17	0.49	100.0	Pulse	0.10	3
1	Rh	103	5,540,640.75	0.22	100.0	Analog	0.10	3
2	Rh	103	3,214,545.06	0.26	100.0	Analog	0.10	3
1	In	115	6,058,821.78	0.09	100.0	Analog	0.10	3
2	In	115	1,370,992.25	1.20	100.0	Mix	0.10	3
1	Tb	159	9,708,289.23	0.30	100.0	Analog	0.10	3
2	Tb	159	5,546,541.58	0.64	100.0	Analog	0.10	3
1	Ho	165	9,403,941.11	1.00	100.0	Analog	0.10	3
2	Ho	165	5,464,504.29	0.47	100.0	Analog	0.10	3
1	Bi	209	5,734,617.83	0.78	100.0	Analog	0.10	3
2	Bi	209	3,874,803.38	0.05	100.0	Analog	0.10	3

Quantitation Report

File Name	003CALB.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 21:23
Sample Name	STDA
Sample Type	CalBlk
Comment	0
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.000	ug/l	-8771.27	28.00	1.303E-05	Pulse	0.25	3
B	11	6	1	0.153	ug/l	12.14	3,149.26	1.473E-03	Pulse	0.15	3
Na	23	45	1	-0.783	ug/l	-7.79	159,130.05	4.394E-02	Pulse	0.10	3
Na	23	45	2	0.000	ug/l	---	6,721.47	3.824E-02	Pulse	0.20	3
Mg	24	45	1	0.000	ug/l	---	2,116.89	5.845E-04	Pulse	0.10	3
Mg	24	45	2	0.017	ug/l	341.56	80.00	4.552E-04	Pulse	0.20	3
Al	27	45	1	-0.030	ug/l	-7.35	4,627.49	1.278E-03	Pulse	0.10	3
Al	27	45	2	0.000	ug/l	---	28.33	1.612E-04	Pulse	0.20	3
K	39	45	1	0.000	ug/l	---	1,014,662.80	2.802E-01	Pulse	0.10	3
K	39	45	2	1.108	ug/l	16.47	7,108.32	4.043E-02	Pulse	0.20	3
Ca	43	45	1	0.000	ug/l	---	127.33	3.517E-05	Pulse	1.50	3
Ca	43	45	2	0.000	ug/l	---	2.22	1.262E-05	Pulse	1.50	3
Ca	44	45	1	0.000	ug/l	---	3,490.53	9.637E-04	Pulse	0.10	3
Ca	44	45	2	0.000	ug/l	---	36.67	2.087E-04	Pulse	0.20	3
Ti	47	45	1	-0.005	ug/l	-404.50	63.34	1.750E-05	Pulse	0.10	3
Ti	47	45	2	0.000	ug/l	---	5.00	2.836E-05	Pulse	0.20	3
V	51	45	2	0.009	ug/l	51.55	338.34	1.925E-03	Pulse	0.20	3
Cr	52	45	2	0.004	ug/l	676.10	1,150.06	6.544E-03	Pulse	0.20	3
Mn	55	45	2	0.001	ug/l	935.09	65.00	3.694E-04	Pulse	0.20	3
Fe	56	45	2	0.088	ug/l	48.78	3,107.03	1.767E-02	Pulse	0.20	3
Co	59	45	2	0.000	ug/l	1132.62	16.67	9.509E-05	Pulse	0.20	3
Ni	60	45	2	0.006	ug/l	314.02	228.34	1.300E-03	Pulse	0.20	3
Cu	63	45	2	0.003	ug/l	181.88	271.68	1.545E-03	Pulse	0.20	3
Cu	65	45	2	0.000	ug/l	---	125.00	7.111E-04	Pulse	0.20	3
Zn	66	45	2	0.000	ug/l	---	300.01	1.706E-03	Pulse	0.20	3
As	75	45	2	0.001	ug/l	1150.35	12.67	7.218E-05	Pulse	0.50	3
Se	78	45	2	0.009	ug/l	1029.48	16.00	9.094E-05	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.000	ug/l	---	2.33	6.346E-06	Pulse	1.00	3
Sr	88	45	1	0.000	ug/l	-475.88	593.37	1.639E-04	Pulse	0.10	3
Mo	95	103	1	0.000	ug/l	---	106.67	1.949E-05	Pulse	0.10	3
Ag	107	115	1	0.000	ug/l	-305.92	120.01	2.010E-05	Pulse	0.10	3
Cd	111	115	1	0.000	ug/l	---	26.67	4.475E-06	Pulse	0.25	3
Cd	111	115	2	0.000	ug/l	---	6.67	4.798E-06	Pulse	0.25	3
Sn	117	115	1	0.000	ug/l	---	166.68	2.788E-05	Pulse	0.10	3
Sn	118	115	1	0.000	ug/l	---	493.36	8.261E-05	Pulse	0.10	3
Sn	118	115	2	0.000	ug/l	---	186.68	1.337E-04	Pulse	0.10	3
Sn	119	115	1	0.000	ug/l	---	270.01	4.518E-05	Pulse	0.10	3
Sb	121	159	1	-0.036	ug/l	-40.23	1,476.79	1.528E-04	Pulse	0.10	3
Ba	137	159	1	-0.008	ug/l	-101.67	730.04	7.556E-05	Pulse	0.10	3
Tl	205	209	1	-0.010	ug/l	-16.88	1,196.76	2.093E-04	Pulse	0.10	3
Pb	208	209	1	0.000	ug/l	-664.58	720.04	1.261E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,138,158.97	1.33	100.0	Analog	0.10	3
1	Sc	45	3,621,627.34	0.42	100.0	Analog	0.10	3
2	Sc	45	175,824.95	0.74	100.0	Pulse	0.10	3
3	Sc	45	367,608.78	0.80	100.0	Pulse	0.10	3
1	Ge	72	765,580.61	0.60	100.0	Pulse	0.10	3
2	Ge	72	114,930.24	1.30	100.0	Pulse	0.10	3
3	Ge	72	185,050.49	2.10	100.0	Pulse	0.10	3
1	Rh	103	5,471,458.04	0.11	100.0	Analog	0.10	3
2	Rh	103	3,177,347.35	0.97	100.0	Analog	0.10	3
1	In	115	5,975,455.92	0.68	100.0	Analog	0.10	3
2	In	115	1,396,734.50	0.67	100.0	Pulse	0.10	3
1	Tb	159	9,661,563.40	0.18	100.0	Analog	0.10	3
2	Tb	159	5,542,115.54	0.80	100.0	Analog	0.10	3
1	Ho	165	9,315,558.82	0.31	100.0	Analog	0.10	3
2	Ho	165	5,464,220.54	0.84	100.0	Analog	0.10	3
1	Bi	209	5,715,332.00	0.86	100.0	Analog	0.10	3
2	Bi	209	3,866,815.25	0.85	100.0	Analog	0.10	3

Quantitation Report

File Name	004CALS.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 21:28
Sample Name	STDB
Sample Type	CalStd
Comment	0.5
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.507	ug/l	6.78	1,986.81	9.215E-04	Pulse	0.25	3
B	11	6	1	0.513	ug/l	8.53	4,429.58	2.054E-03	Pulse	0.15	3
Na	23	45	1	1.760	ug/l	6.56	195,972.39	5.412E-02	Pulse	0.10	3
Na	23	45	2	2.555	ug/l	12.23	8,113.77	4.585E-02	Pulse	0.20	3
Mg	24	45	1	0.567	ug/l	1.97	7,598.72	2.098E-03	Pulse	0.10	3
Mg	24	45	2	0.513	ug/l	24.00	213.34	1.206E-03	Pulse	0.20	3
Al	27	45	1	0.589	ug/l	12.29	12,531.80	3.461E-03	Pulse	0.10	3
Al	27	45	2	0.810	ug/l	10.67	106.67	6.029E-04	Pulse	0.20	3
K	39	45	1	-1.326	ug/l	-62.36	991,596.34	2.739E-01	Pulse	0.10	3
K	39	45	2	0.735	ug/l	183.42	7,059.94	3.990E-02	Pulse	0.20	3
Ca	43	45	1	2.651	ug/l	1.71	220.23	6.082E-05	Pulse	1.50	3
Ca	43	45	2	7.322	ug/l	64.29	8.00	4.516E-05	Pulse	1.50	3
Ca	44	45	1	1.741	ug/l	28.36	4,484.14	1.238E-03	Pulse	0.10	3
Ca	44	45	2	5.621	ug/l	52.09	115.00	6.508E-04	Pulse	0.20	3
Ti	47	45	1	0.544	ug/l	13.16	990.07	2.735E-04	Pulse	0.10	3
Ti	47	45	2	0.528	ug/l	42.09	60.00	3.395E-04	Pulse	0.20	3
V	51	45	2	0.466	ug/l	11.30	1,780.13	1.006E-02	Pulse	0.20	3
Cr	52	45	2	0.497	ug/l	6.20	3,177.03	1.795E-02	Pulse	0.20	3
Mn	55	45	2	0.495	ug/l	5.81	1,166.73	6.592E-03	Pulse	0.20	3
Fe	56	45	2	0.185	ug/l	29.06	3,432.10	1.939E-02	Pulse	0.20	3
Co	59	45	2	0.481	ug/l	3.07	3,120.35	1.763E-02	Pulse	0.20	3
Ni	60	45	2	0.483	ug/l	8.97	1,043.39	5.896E-03	Pulse	0.20	3
Cu	63	45	2	0.479	ug/l	4.31	2,456.89	1.388E-02	Pulse	0.20	3
Cu	65	45	2	0.468	ug/l	14.47	1,183.40	6.686E-03	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.228	ug/l	12.73	476.68	2.694E-03	Pulse	0.20	3
As	75	45	2	0.518	ug/l	7.34	260.00	1.469E-03	Pulse	0.50	3
Se	78	45	2	0.510	ug/l	11.04	37.33	2.110E-04	Pulse	1.00	3
Se	78	45	3	0.433	ug/l	27.93	69.67	1.892E-04	Pulse	1.00	3
Sr	88	45	1	0.509	ug/l	1.52	20,603.95	5.690E-03	Pulse	0.10	3
Mo	95	103	1	0.475	ug/l	7.85	3,373.85	6.104E-04	Pulse	0.10	3
Ag	107	115	1	0.515	ug/l	1.21	8,119.12	1.356E-03	Pulse	0.10	3
Cd	111	115	1	0.509	ug/l	4.51	1,846.80	3.084E-04	Pulse	0.25	3
Cd	111	115	2	0.474	ug/l	5.55	705.36	5.090E-04	Pulse	0.25	3
Sn	117	115	1	0.461	ug/l	14.61	1,756.83	2.933E-04	Pulse	0.10	3
Sn	118	115	1	0.506	ug/l	1.79	6,158.16	1.028E-03	Pulse	0.10	3
Sn	118	115	2	0.479	ug/l	15.22	1,780.17	1.284E-03	Pulse	0.10	3
Sn	119	115	1	0.475	ug/l	7.41	2,196.90	3.667E-04	Pulse	0.10	3
Sb	121	159	1	0.447	ug/l	7.18	7,025.15	7.287E-04	Pulse	0.10	3
Ba	137	159	1	0.535	ug/l	6.04	3,767.27	3.910E-04	Pulse	0.10	3
Tl	205	209	1	0.473	ug/l	1.74	16,689.96	2.929E-03	Pulse	0.10	3
Pb	208	209	1	0.505	ug/l	4.19	22,998.03	4.035E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,156,274.64	0.68	100.8	Analog	0.10	3
1	Sc	45	3,621,050.68	0.45	100.0	Analog	0.10	3
2	Sc	45	176,984.24	0.72	100.7	Pulse	0.10	3
3	Sc	45	368,095.52	0.50	100.1	Pulse	0.10	3
1	Ge	72	761,292.10	0.70	99.4	Pulse	0.10	3
2	Ge	72	113,081.44	0.79	98.4	Pulse	0.10	3
3	Ge	72	184,148.41	1.17	99.5	Pulse	0.10	3
1	Rh	103	5,528,485.13	0.64	101.0	Analog	0.10	3
2	Rh	103	3,193,184.54	0.17	100.5	Analog	0.10	3
1	In	115	5,989,968.70	0.75	100.2	Analog	0.10	3
2	In	115	1,385,967.56	1.77	99.2	Mix	0.10	3
1	Tb	159	9,637,017.36	1.23	99.7	Analog	0.10	3
2	Tb	159	5,534,122.00	0.85	99.9	Analog	0.10	3
1	Ho	165	9,274,536.53	0.61	99.6	Analog	0.10	3
2	Ho	165	5,452,082.21	0.29	99.8	Analog	0.10	3
1	Bi	209	5,699,016.37	0.37	99.7	Analog	0.10	3
2	Bi	209	3,847,460.46	0.31	99.5	Analog	0.10	3

Quantitation Report

File Name	005CALS.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 21:33
Sample Name	STDC
Sample Type	CalStd
Comment	5
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	4.992	ug/l	1.83	19,070.81	8.955E-03	Pulse	0.25	3
B	11	6	1	4.866	ug/l	2.06	19,364.76	9.093E-03	Pulse	0.15	3
Na	23	45	1	5.655	ug/l	1.79	250,814.63	6.972E-02	Pulse	0.10	3
Na	23	45	2	6.091	ug/l	7.68	9,948.13	5.638E-02	Pulse	0.20	3
Mg	24	45	1	5.084	ug/l	2.14	50,894.73	1.415E-02	Pulse	0.10	3
Mg	24	45	2	4.715	ug/l	2.22	1,335.08	7.569E-03	Pulse	0.20	3
Al	27	45	1	4.963	ug/l	0.73	67,967.46	1.889E-02	Pulse	0.10	3
Al	27	45	2	5.090	ug/l	16.43	518.35	2.938E-03	Pulse	0.20	3
K	39	45	1	3.520	ug/l	10.57	1,068,231.62	2.969E-01	Pulse	0.10	3
K	39	45	2	4.542	ug/l	13.36	7,988.73	4.529E-02	Pulse	0.20	3
Ca	43	45	1	9.282	ug/l	10.88	449.56	1.250E-04	Pulse	1.50	3
Ca	43	45	2	46.442	ug/l	13.85	38.67	2.190E-04	Pulse	1.50	3
Ca	44	45	1	7.916	ug/l	9.63	7,958.88	2.213E-03	Pulse	0.10	3
Ca	44	45	2	28.211	ug/l	11.78	428.35	2.428E-03	Pulse	0.20	3
Ti	47	45	1	5.265	ug/l	1.47	8,902.72	2.475E-03	Pulse	0.10	3
Ti	47	45	2	5.004	ug/l	6.24	525.02	2.975E-03	Pulse	0.20	3
V	51	45	2	4.922	ug/l	3.46	15,772.77	8.939E-02	Pulse	0.20	3
Cr	52	45	2	4.920	ug/l	1.43	21,217.28	1.203E-01	Pulse	0.20	3
Mn	55	45	2	4.904	ug/l	2.15	10,945.48	6.204E-02	Pulse	0.20	3
Fe	56	45	2	4.738	ug/l	1.36	17,681.46	1.002E-01	Pulse	0.20	3
Co	59	45	2	4.882	ug/l	3.05	31,410.15	1.780E-01	Pulse	0.20	3
Ni	60	45	2	4.921	ug/l	2.42	8,590.76	4.870E-02	Pulse	0.20	3
Cu	63	45	2	4.959	ug/l	2.89	22,918.02	1.299E-01	Pulse	0.20	3
Cu	65	45	2	4.853	ug/l	3.04	11,057.22	6.268E-02	Pulse	0.20	3
Zn	66	45	2	4.745	ug/l	3.61	3,933.88	2.230E-02	Pulse	0.20	3
As	75	45	2	4.642	ug/l	4.14	2,222.84	1.260E-02	Pulse	0.50	3
Se	78	45	2	4.762	ug/l	11.66	217.00	1.229E-03	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	4.978	ug/l	2.62	758.35	2.111E-03	Pulse	1.00	3
Sr	88	45	1	5.042	ug/l	1.43	197,441.15	5.488E-02	Pulse	0.10	3
Mo	95	103	1	5.069	ug/l	0.60	34,361.30	6.319E-03	Pulse	0.10	3
Ag	107	115	1	5.035	ug/l	1.39	77,392.71	1.306E-02	Pulse	0.10	3
Cd	111	115	1	5.081	ug/l	1.81	18,014.40	3.039E-03	Pulse	0.25	3
Cd	111	115	2	4.814	ug/l	3.03	7,061.67	5.121E-03	Pulse	0.25	3
Sn	117	115	1	5.039	ug/l	1.32	17,363.58	2.929E-03	Pulse	0.10	3
Sn	118	115	1	5.060	ug/l	0.28	56,553.15	9.541E-03	Pulse	0.10	3
Sn	118	115	2	5.062	ug/l	5.53	16,926.39	1.228E-02	Pulse	0.10	3
Sn	119	115	1	4.846	ug/l	1.43	19,719.73	3.327E-03	Pulse	0.10	3
Sb	121	159	1	4.867	ug/l	3.19	57,623.42	6.002E-03	Pulse	0.10	3
Ba	137	159	1	5.046	ug/l	1.47	28,944.66	3.015E-03	Pulse	0.10	3
Tl	205	209	1	5.025	ug/l	1.15	160,922.21	2.856E-02	Pulse	0.10	3
Pb	208	209	1	5.017	ug/l	0.12	219,212.36	3.890E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,129,752.98	0.27	99.6	Analog	0.10	3
1	Sc	45	3,597,648.28	0.38	99.3	Analog	0.10	3
2	Sc	45	176,407.66	1.05	100.3	Pulse	0.10	3
3	Sc	45	359,375.43	1.72	97.8	Pulse	0.10	3
1	Ge	72	757,065.69	0.97	98.9	Pulse	0.10	3
2	Ge	72	113,188.77	0.93	98.5	Pulse	0.10	3
3	Ge	72	182,640.67	0.23	98.7	Pulse	0.10	3
1	Rh	103	5,438,019.71	0.79	99.4	Analog	0.10	3
2	Rh	103	3,179,834.33	0.85	100.1	Analog	0.10	3
1	In	115	5,927,297.13	0.09	99.2	Analog	0.10	3
2	In	115	1,378,720.25	1.37	98.7	Pulse	0.10	3
1	Tb	159	9,600,371.94	1.39	99.4	Analog	0.10	3
2	Tb	159	5,482,979.08	0.48	98.9	Analog	0.10	3
1	Ho	165	9,227,769.65	0.57	99.1	Analog	0.10	3
2	Ho	165	5,422,386.17	1.14	99.2	Analog	0.10	3
1	Bi	209	5,635,045.54	0.72	98.6	Analog	0.10	3
2	Bi	209	3,797,229.11	1.09	98.2	Analog	0.10	3

Quantitation Report

File Name	006CALS.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 21:38
Sample Name	STDD
Sample Type	CalStd
Comment	25
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	24.886	ug/l	0.39	94,812.11	4.459E-02	Pulse	0.25	3
B	11	6	1	24.974	ug/l	3.53	88,473.22	4.161E-02	Pulse	0.15	3
Na	23	45	1	22.953	ug/l	0.57	497,638.77	1.390E-01	Pulse	0.10	3
Na	23	45	2	24.102	ug/l	0.44	18,805.77	1.100E-01	Pulse	0.20	3
Mg	24	45	1	25.091	ug/l	0.55	241,779.00	6.753E-02	Pulse	0.10	3
Mg	24	45	2	24.460	ug/l	5.52	6,401.32	3.746E-02	Pulse	0.20	3
Al	27	45	1	24.050	ug/l	0.37	308,721.36	8.622E-02	Pulse	0.10	3
Al	27	45	2	24.115	ug/l	3.57	2,275.20	1.332E-02	Pulse	0.20	3
K	39	45	1	23.595	ug/l	0.52	1,405,425.45	3.925E-01	Analog	0.10	3
K	39	45	2	24.823	ug/l	3.62	12,646.66	7.400E-02	Pulse	0.20	3
Ca	43	45	1	37.893	ug/l	4.67	1,438.51	4.018E-04	Pulse	1.50	3
Ca	43	45	2	214.298	ug/l	0.66	164.89	9.649E-04	Pulse	1.50	3
Ca	44	45	1	30.854	ug/l	1.86	20,877.29	5.831E-03	Pulse	0.10	3
Ca	44	45	2	139.966	ug/l	6.76	1,916.82	1.122E-02	Pulse	0.20	3
Ti	47	45	1	25.026	ug/l	1.72	41,847.15	1.169E-02	Pulse	0.10	3
Ti	47	45	2	26.401	ug/l	2.16	2,661.94	1.557E-02	Pulse	0.20	3
V	51	45	2	24.552	ug/l	0.89	74,994.16	4.388E-01	Pulse	0.20	3
Cr	52	45	2	25.098	ug/l	1.73	100,334.84	5.871E-01	Pulse	0.20	3
Mn	55	45	2	25.119	ug/l	0.48	54,044.98	3.163E-01	Pulse	0.20	3
Fe	56	45	2	26.208	ug/l	1.62	82,253.80	4.813E-01	Pulse	0.20	3
Co	59	45	2	24.858	ug/l	0.50	154,857.85	9.062E-01	Pulse	0.20	3
Ni	60	45	2	24.732	ug/l	1.61	40,977.90	2.398E-01	Pulse	0.20	3
Cu	63	45	2	24.847	ug/l	1.22	110,247.00	6.451E-01	Pulse	0.20	3
Cu	65	45	2	25.042	ug/l	0.62	54,766.41	3.205E-01	Pulse	0.20	3
Zn	66	45	2	24.431	ug/l	2.98	18,415.64	1.078E-01	Pulse	0.20	3
As	75	45	2	24.784	ug/l	1.03	11,445.42	6.697E-02	Pulse	0.50	3
Se	78	45	2	25.012	ug/l	5.39	1,039.04	6.080E-03	Pulse	1.00	3
Se	78	45	3	24.616	ug/l	2.97	3,702.10	1.041E-02	Pulse	1.00	3
Sr	88	45	1	25.016	ug/l	0.46	972,564.18	2.716E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	25.561	ug/l	0.69	170,422.12	3.179E-02	Pulse	0.10	3
Ag	107	115	1	25.423	ug/l	0.81	384,536.06	6.584E-02	Pulse	0.10	3
Cd	111	115	1	24.977	ug/l	0.50	87,153.89	1.492E-02	Pulse	0.25	3
Cd	111	115	2	24.758	ug/l	1.74	35,371.63	2.632E-02	Pulse	0.25	3
Sn	117	115	1	25.303	ug/l	1.57	85,254.02	1.460E-02	Pulse	0.10	3
Sn	118	115	1	25.266	ug/l	0.66	276,323.62	4.731E-02	Pulse	0.10	3
Sn	118	115	2	25.431	ug/l	2.60	82,211.94	6.117E-02	Pulse	0.10	3
Sn	119	115	1	25.359	ug/l	0.39	100,564.29	1.722E-02	Pulse	0.10	3
Sb	121	159	1	25.255	ug/l	1.91	288,513.31	3.032E-02	Pulse	0.10	3
Ba	137	159	1	24.943	ug/l	0.46	138,819.95	1.459E-02	Pulse	0.10	3
Tl	205	209	1	24.849	ug/l	1.27	782,395.80	1.402E-01	Pulse	0.10	3
Pb	208	209	1	25.130	ug/l	0.07	1,084,815.30	1.943E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,126,510.84	0.35	99.5	Analog	0.10	3
1	Sc	45	3,580,488.28	0.17	98.9	Analog	0.10	3
2	Sc	45	170,896.47	0.70	97.2	Pulse	0.10	3
3	Sc	45	355,617.18	1.71	96.7	Pulse	0.10	3
1	Ge	72	739,849.62	0.50	96.6	Pulse	0.10	3
2	Ge	72	111,963.75	1.15	97.4	Pulse	0.10	3
3	Ge	72	179,109.70	1.67	96.8	Pulse	0.10	3
1	Rh	103	5,361,393.05	0.31	98.0	Analog	0.10	3
2	Rh	103	3,131,368.81	0.58	98.6	Analog	0.10	3
1	In	115	5,840,539.30	0.26	97.7	Analog	0.10	3
2	In	115	1,344,247.97	1.18	96.2	Mix	0.10	3
1	Tb	159	9,515,069.03	0.35	98.5	Analog	0.10	3
2	Tb	159	5,412,629.50	0.54	97.7	Analog	0.10	3
1	Ho	165	9,136,410.69	0.27	98.1	Analog	0.10	3
2	Ho	165	5,324,669.51	0.50	97.4	Analog	0.10	3
1	Bi	209	5,582,081.58	0.10	97.7	Analog	0.10	3
2	Bi	209	3,757,657.96	0.30	97.2	Analog	0.10	3

Quantitation Report

File Name	007CALS.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 21:43
Sample Name	STDE
Sample Type	CalStd
Comment	50
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	49.743	ug/l	0.99	186,933.38	8.911E-02	Pulse	0.25	3
B	11	6	1	49.963	ug/l	0.70	172,070.03	8.202E-02	Pulse	0.15	3
Na	23	45	1	48.086	ug/l	0.37	841,388.74	2.396E-01	Pulse	0.10	3
Na	23	45	2	47.472	ug/l	1.63	29,880.19	1.797E-01	Pulse	0.20	3
Mg	24	45	1	50.267	ug/l	0.20	472,950.58	1.347E-01	Pulse	0.10	3
Mg	24	45	2	49.264	ug/l	1.35	12,476.51	7.501E-02	Pulse	0.20	3
Al	27	45	1	48.734	ug/l	0.97	608,499.29	1.733E-01	Pulse	0.10	3
Al	27	45	2	49.105	ug/l	6.19	4,480.69	2.695E-02	Pulse	0.20	3
K	39	45	1	49.124	ug/l	0.50	1,805,056.80	5.141E-01	Analog	0.10	3
K	39	45	2	47.428	ug/l	2.32	17,629.59	1.060E-01	Pulse	0.20	3
Ca	43	45	1	83.377	ug/l	2.76	2,955.60	8.418E-04	Pulse	1.50	3
Ca	43	45	2	486.217	ug/l	7.94	361.34	2.173E-03	Pulse	1.50	3
Ca	44	45	1	71.676	ug/l	1.64	43,083.76	1.227E-02	Pulse	0.10	3
Ca	44	45	2	277.169	ug/l	2.50	3,660.48	2.201E-02	Pulse	0.20	3
Ti	47	45	1	50.291	ug/l	1.20	82,394.78	2.347E-02	Pulse	0.10	3
Ti	47	45	2	51.051	ug/l	2.34	5,004.18	3.009E-02	Pulse	0.20	3
V	51	45	2	50.141	ug/l	0.34	148,753.55	8.944E-01	Pulse	0.20	3
Cr	52	45	2	50.000	ug/l	0.55	193,479.24	1.163E+00	Pulse	0.20	3
Mn	55	45	2	50.234	ug/l	1.14	105,128.84	6.321E-01	Pulse	0.20	3
Fe	56	45	2	53.278	ug/l	1.19	159,986.18	9.619E-01	Pulse	0.20	3
Co	59	45	2	50.396	ug/l	0.14	305,530.11	1.837E+00	Pulse	0.20	3
Ni	60	45	2	50.305	ug/l	0.61	80,908.10	4.865E-01	Pulse	0.20	3
Cu	63	45	2	50.010	ug/l	0.36	215,712.31	1.297E+00	Pulse	0.20	3
Cu	65	45	2	50.039	ug/l	0.97	106,385.31	6.397E-01	Pulse	0.20	3
Zn	66	45	2	49.815	ug/l	2.01	36,246.96	2.179E-01	Pulse	0.20	3
As	75	45	2	50.590	ug/l	0.28	22,723.87	1.366E-01	Pulse	0.50	3
Se	78	45	2	50.844	ug/l	1.47	2,040.13	1.227E-02	Pulse	1.00	3
Se	78	45	3	50.253	ug/l	0.74	7,228.96	2.125E-02	Pulse	1.00	3
Sr	88	45	1	49.840	ug/l	0.25	1,899,641.12	5.410E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	50.361	ug/l	0.38	331,173.46	6.261E-02	Pulse	0.10	3
Ag	107	115	1	50.078	ug/l	1.99	743,920.20	1.297E-01	Pulse	0.10	3
Cd	111	115	1	50.583	ug/l	0.14	173,348.44	3.022E-02	Pulse	0.25	3
Cd	111	115	2	49.769	ug/l	0.64	69,762.07	5.290E-02	Pulse	0.25	3
Sn	117	115	1	50.656	ug/l	0.60	167,496.28	2.920E-02	Pulse	0.10	3
Sn	118	115	1	50.374	ug/l	0.64	540,682.84	9.425E-02	Pulse	0.10	3
Sn	118	115	2	49.697	ug/l	0.13	157,487.15	1.194E-01	Pulse	0.10	3
Sn	119	115	1	49.997	ug/l	1.06	194,503.94	3.390E-02	Pulse	0.10	3
Sb	121	159	1	50.049	ug/l	1.20	560,913.00	5.990E-02	Pulse	0.10	3
Ba	137	159	1	50.226	ug/l	0.07	274,324.78	2.930E-02	Pulse	0.10	3
Tl	205	209	1	50.253	ug/l	0.65	1,558,233.00	2.832E-01	Analog	0.10	3
Pb	208	209	1	50.659	ug/l	0.68	2,154,866.08	3.916E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,097,968.90	0.56	98.1	Analog	0.10	3
1	Sc	45	3,511,191.62	0.20	97.0	Analog	0.10	3
2	Sc	45	166,316.65	0.57	94.6	Pulse	0.10	3
3	Sc	45	340,193.81	0.91	92.5	Pulse	0.10	3
1	Ge	72	724,079.75	0.14	94.6	Pulse	0.10	3
2	Ge	72	108,889.80	0.59	94.7	Pulse	0.10	3
3	Ge	72	174,310.75	0.97	94.2	Pulse	0.10	3
1	Rh	103	5,289,576.59	0.58	96.7	Analog	0.10	3
2	Rh	103	3,091,088.91	0.55	97.3	Analog	0.10	3
1	In	115	5,736,993.69	0.24	96.0	Analog	0.10	3
2	In	115	1,318,860.89	1.09	94.4	Pulse	0.10	3
1	Tb	159	9,363,730.69	0.58	96.9	Analog	0.10	3
2	Tb	159	5,380,870.54	0.44	97.1	Analog	0.10	3
1	Ho	165	8,983,782.37	0.61	96.4	Analog	0.10	3
2	Ho	165	5,291,280.96	0.10	96.8	Analog	0.10	3
1	Bi	209	5,502,468.46	0.83	96.3	Analog	0.10	3
2	Bi	209	3,718,550.05	0.64	96.2	Analog	0.10	3

Quantitation Report

File Name	008CALS.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 21:48
Sample Name	STDF
Sample Type	CalStd
Comment	100
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	100.375	ug/l	0.52	365,975.34	1.798E-01	Pulse	0.25	3
B	11	6	1	100.032	ug/l	1.78	331,749.53	1.630E-01	Pulse	0.15	3
Na	23	45	1	96.219	ug/l	1.98	1,472,343.62	4.324E-01	Analog	0.10	3
Na	23	45	2	95.831	ug/l	2.27	51,733.09	3.237E-01	Pulse	0.20	3
Mg	24	45	1	100.010	ug/l	1.78	910,615.14	2.674E-01	Pulse	0.10	3
Mg	24	45	2	98.579	ug/l	1.72	23,920.57	1.497E-01	Pulse	0.20	3
Al	27	45	1	96.751	ug/l	1.11	1,166,991.31	3.427E-01	Pulse	0.10	3
Al	27	45	2	97.466	ug/l	3.61	8,522.35	5.333E-02	Pulse	0.20	3
K	39	45	1	100.390	ug/l	1.09	2,582,048.25	7.582E-01	Analog	0.10	3
K	39	45	2	97.175	ug/l	4.05	28,189.03	1.764E-01	Pulse	0.20	3
Ca	43	45	1	163.602	ug/l	1.02	5,509.80	1.618E-03	Pulse	1.50	3
Ca	43	45	2	909.563	ug/l	1.41	648.02	4.054E-03	Pulse	1.50	3
Ca	44	45	1	140.032	ug/l	1.27	78,502.67	2.305E-02	Pulse	0.10	3
Ca	44	45	2	560.731	ug/l	2.71	7,083.31	4.432E-02	Pulse	0.20	3
Ti	47	45	1	99.401	ug/l	0.53	157,884.65	4.636E-02	Pulse	0.10	3
Ti	47	45	2	99.124	ug/l	3.71	9,334.44	5.840E-02	Pulse	0.20	3
V	51	45	2	100.423	ug/l	1.41	285,971.58	1.790E+00	Pulse	0.20	3
Cr	52	45	2	99.982	ug/l	1.16	370,722.09	2.320E+00	Pulse	0.20	3
Mn	55	45	2	99.751	ug/l	0.72	200,528.66	1.255E+00	Pulse	0.20	3
Fe	56	45	2	106.848	ug/l	1.93	305,671.16	1.913E+00	Pulse	0.20	3
Co	59	45	2	99.891	ug/l	1.44	581,872.26	3.641E+00	Pulse	0.20	3
Ni	60	45	2	100.059	ug/l	1.20	154,436.03	9.664E-01	Pulse	0.20	3
Cu	63	45	2	100.205	ug/l	1.30	415,073.93	2.597E+00	Pulse	0.20	3
Cu	65	45	2	99.978	ug/l	1.29	204,126.39	1.277E+00	Pulse	0.20	3
Zn	66	45	2	100.249	ug/l	1.21	69,811.33	4.368E-01	Pulse	0.20	3
As	75	45	2	100.001	ug/l	1.60	43,148.77	2.700E-01	Pulse	0.50	3
Se	78	45	2	99.392	ug/l	3.39	3,818.80	2.390E-02	Pulse	1.00	3
Se	78	45	3	99.971	ug/l	0.23	13,845.55	4.227E-02	Pulse	1.00	3
Sr	88	45	1	100.095	ug/l	0.95	3,699,515.88	1.086E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	99.676	ug/l	1.09	638,930.62	1.239E-01	Pulse	0.10	3
Ag	107	115	1	99.459	ug/l	0.88	1,447,751.38	2.575E-01	Analog	0.10	3
Cd	111	115	1	99.710	ug/l	0.26	334,845.95	5.956E-02	Pulse	0.25	3
Cd	111	115	2	100.186	ug/l	1.44	136,053.18	1.065E-01	Pulse	0.25	3
Sn	117	115	1	99.595	ug/l	0.54	322,566.39	5.737E-02	Pulse	0.10	3
Sn	118	115	1	99.744	ug/l	1.07	1,048,678.40	1.865E-01	Pulse	0.10	3
Sn	118	115	2	100.041	ug/l	0.85	306,974.42	2.402E-01	Pulse	0.10	3
Sn	119	115	1	99.919	ug/l	1.53	380,664.29	6.771E-02	Pulse	0.10	3
Sb	121	159	1	99.919	ug/l	1.45	1,097,222.09	1.194E-01	Pulse	0.10	3
Ba	137	159	1	99.762	ug/l	0.80	534,028.49	5.811E-02	Pulse	0.10	3
Tl	205	209	1	99.910	ug/l	1.26	3,078,581.83	5.627E-01	Analog	0.10	3
Pb	208	209	1	99.205	ug/l	0.65	4,194,950.69	7.668E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,035,573.97	0.16	95.2	Analog	0.10	3
1	Sc	45	3,405,445.16	0.60	94.0	Analog	0.10	3
2	Sc	45	159,819.65	1.00	90.9	Pulse	0.10	3
3	Sc	45	327,572.57	1.41	89.1	Pulse	0.10	3
1	Ge	72	699,752.54	0.90	91.4	Pulse	0.10	3
2	Ge	72	104,340.10	0.54	90.8	Pulse	0.10	3
3	Ge	72	164,709.26	1.59	89.0	Pulse	0.10	3
1	Rh	103	5,157,209.40	0.89	94.3	Analog	0.10	3
2	Rh	103	2,997,341.21	0.08	94.3	Analog	0.10	3
1	In	115	5,622,288.21	0.93	94.1	Analog	0.10	3
2	In	115	1,277,818.10	1.05	91.5	Pulse	0.10	3
1	Tb	159	9,189,900.28	0.46	95.1	Analog	0.10	3
2	Tb	159	5,282,370.76	0.27	95.3	Analog	0.10	3
1	Ho	165	8,879,744.45	0.51	95.3	Analog	0.10	3
2	Ho	165	5,212,721.90	0.83	95.4	Analog	0.10	3
1	Bi	209	5,470,772.42	0.39	95.7	Analog	0.10	3
2	Bi	209	3,656,810.15	0.53	94.6	Analog	0.10	3

Quantitation Report

File Name	009CALS.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 21:53
Sample Name	STDG
Sample Type	CalStd
Comment	500
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.002	ug/l	-63.65	20.00	1.003E-05	Pulse	0.25	3
B	11	6	1	2.581	ug/l	5.52	10,754.79	5.399E-03	Pulse	0.15	3
Na	23	45	1	492.396	ug/l	0.69	6,808,997.82	2.019E+00	Analog	0.10	3
Na	23	45	2	484.015	ug/l	0.50	248,256.08	1.480E+00	Pulse	0.20	3
Mg	24	45	1	506.202	ug/l	0.16	4,557,063.37	1.351E+00	Analog	0.10	3
Mg	24	45	2	487.600	ug/l	1.40	123,879.19	7.386E-01	Pulse	0.20	3
Al	27	45	1	502.148	ug/l	0.56	5,979,318.03	1.773E+00	Analog	0.10	3
Al	27	45	2	491.694	ug/l	0.64	45,008.54	2.684E-01	Pulse	0.20	3
K	39	45	1	508.257	ug/l	0.81	9,108,000.70	2.700E+00	Analog	0.10	3
K	39	45	2	483.377	ug/l	0.14	121,279.96	7.231E-01	Pulse	0.20	3
Ca	43	45	1	507.750	ug/l	0.38	16,686.07	4.947E-03	Pulse	1.50	3
Ca	43	45	2	478.251	ug/l	5.07	358.45	2.138E-03	Pulse	1.50	3
Ca	44	45	1	505.152	ug/l	0.85	272,021.89	8.065E-02	Pulse	0.10	3
Ca	44	45	2	480.752	ug/l	3.80	6,378.00	3.803E-02	Pulse	0.20	3
Ti	47	45	1	0.032	ug/l	99.44	116.67	3.456E-05	Pulse	0.10	3
Ti	47	45	2	-0.014	ug/l	-417.23	3.33	2.004E-05	Pulse	0.20	3
V	51	45	2	0.005	ug/l	225.56	310.01	1.848E-03	Pulse	0.20	3
Cr	52	45	2	-0.012	ug/l	-113.42	1,033.39	6.160E-03	Pulse	0.20	3
Mn	55	45	2	0.004	ug/l	359.33	68.33	4.083E-04	Pulse	0.20	3
Fe	56	45	2	497.932	ug/l	0.47	1,485,164.51	8.855E+00	Analog	0.20	3
Co	59	45	2	0.006	ug/l	35.12	51.67	3.083E-04	Pulse	0.20	3
Ni	60	45	2	-0.010	ug/l	-217.03	191.67	1.142E-03	Pulse	0.20	3
Cu	63	45	2	0.001	ug/l	566.68	248.34	1.481E-03	Pulse	0.20	3
Cu	65	45	2	0.008	ug/l	134.62	136.67	8.147E-04	Pulse	0.20	3
Zn	66	45	2	0.007	ug/l	756.02	291.68	1.738E-03	Pulse	0.20	3
As	75	45	2	0.007	ug/l	202.01	14.67	8.765E-05	Pulse	0.50	3
Se	78	45	2	-0.122	ug/l	-18.78	10.00	5.959E-05	Pulse	1.00	3
Se	78	45	3	0.031	ug/l	67.76	6.67	1.942E-05	Pulse	1.00	3
Sr	88	45	1	0.016	ug/l	25.49	1,140.09	3.379E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.116	ug/l	4.36	836.72	1.636E-04	Pulse	0.10	3
Ag	107	115	1	0.024	ug/l	25.99	463.36	8.260E-05	Pulse	0.10	3
Cd	111	115	1	0.005	ug/l	109.94	42.67	7.630E-06	Pulse	0.25	3
Cd	111	115	2	0.012	ug/l	78.38	24.00	1.805E-05	Pulse	0.25	3
Sn	117	115	1	0.211	ug/l	4.27	836.73	1.492E-04	Pulse	0.10	3
Sn	118	115	1	0.181	ug/l	9.87	2,360.28	4.207E-04	Pulse	0.10	3
Sn	118	115	2	0.248	ug/l	20.11	966.74	7.280E-04	Pulse	0.10	3
Sn	119	115	1	0.172	ug/l	15.22	906.73	1.615E-04	Pulse	0.10	3
Sb	121	159	1	0.979	ug/l	2.00	12,405.39	1.364E-03	Pulse	0.10	3
Ba	137	159	1	0.029	ug/l	57.13	880.07	9.675E-05	Pulse	0.10	3
Tl	205	209	1	-0.009	ug/l	-26.35	1,183.43	2.181E-04	Pulse	0.10	3
Pb	208	209	1	0.013	ug/l	17.19	1,230.08	2.267E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,992,225.17	0.87	93.2	Analog	0.10	3
1	Sc	45	3,372,773.28	0.63	93.1	Analog	0.10	3
2	Sc	45	167,718.79	0.82	95.4	Pulse	0.10	3
3	Sc	45	342,988.95	0.34	93.3	Pulse	0.10	3
1	Ge	72	706,613.58	0.24	92.3	Pulse	0.10	3
2	Ge	72	108,906.09	1.60	94.8	Pulse	0.10	3
3	Ge	72	175,362.36	0.63	94.8	Pulse	0.10	3
1	Rh	103	5,114,789.92	0.43	93.5	Analog	0.10	3
2	Rh	103	3,040,187.35	0.45	95.7	Analog	0.10	3
1	In	115	5,609,914.79	1.05	93.9	Analog	0.10	3
2	In	115	1,327,447.49	0.49	95.0	Pulse	0.10	3
1	Tb	159	9,097,372.57	0.39	94.2	Analog	0.10	3
2	Tb	159	5,305,836.80	0.55	95.7	Analog	0.10	3
1	Ho	165	8,792,720.91	0.64	94.4	Analog	0.10	3
2	Ho	165	5,210,094.30	0.77	95.3	Analog	0.10	3
1	Bi	209	5,426,016.17	0.38	94.9	Analog	0.10	3
2	Bi	209	3,645,892.55	0.03	94.3	Analog	0.10	3

Quantitation Report

File Name	010CALS.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 21:58
Sample Name	STDH
Sample Type	CalStd
Comment	1000
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.014	ug/l	43.59	77.33	3.734E-05	Pulse	0.25	3
B	11	6	1	1.381	ug/l	9.31	7,161.71	3.458E-03	Pulse	0.15	3
Na	23	45	1	1103.796	ug/l	0.80	15,649,212.27	4.467E+00	Analog	0.10	3
Na	23	45	2	1077.681	ug/l	1.27	562,352.53	3.249E+00	Pulse	0.20	3
Mg	24	45	1	1128.940	ug/l	1.00	10,553,790.67	3.013E+00	Analog	0.10	3
Mg	24	45	2	1081.612	ug/l	1.19	283,515.18	1.638E+00	Pulse	0.20	3
Al	27	45	1	1116.774	ug/l	0.70	13,805,881.88	3.941E+00	Analog	0.10	3
Al	27	45	2	1092.632	ug/l	1.81	103,182.81	5.962E-01	Pulse	0.20	3
K	39	45	1	1139.734	ug/l	1.65	19,992,805.95	5.707E+00	Analog	0.10	3
K	39	45	2	1076.906	ug/l	1.18	270,595.16	1.563E+00	Pulse	0.20	3
Ca	43	45	1	1139.736	ug/l	0.85	38,749.83	1.106E-02	Pulse	1.50	3
Ca	43	45	2	1105.429	ug/l	6.30	852.47	4.925E-03	Pulse	1.50	3
Ca	44	45	1	1133.183	ug/l	0.47	629,621.55	1.797E-01	Pulse	0.10	3
Ca	44	45	2	1101.050	ug/l	4.38	15,022.04	8.682E-02	Pulse	0.20	3
Ti	47	45	1	0.023	ug/l	105.42	106.67	3.039E-05	Pulse	0.10	3
Ti	47	45	2	0.083	ug/l	123.99	13.33	7.746E-05	Pulse	0.20	3
V	51	45	2	0.045	ug/l	58.90	445.02	2.565E-03	Pulse	0.20	3
Cr	52	45	2	0.047	ug/l	59.71	1,305.08	7.536E-03	Pulse	0.20	3
Mn	55	45	2	0.010	ug/l	17.40	85.00	4.908E-04	Pulse	0.20	3
Fe	56	45	2	1102.384	ug/l	1.35	3,389,995.16	1.959E+01	Analog	0.20	3
Co	59	45	2	0.015	ug/l	21.33	111.67	6.452E-04	Pulse	0.20	3
Ni	60	45	2	-0.009	ug/l	-46.82	200.01	1.156E-03	Pulse	0.20	3
Cu	63	45	2	0.002	ug/l	502.32	261.68	1.509E-03	Pulse	0.20	3
Cu	65	45	2	0.004	ug/l	201.57	131.67	7.613E-04	Pulse	0.20	3
Zn	66	45	2	0.170	ug/l	23.04	423.35	2.444E-03	Pulse	0.20	3
As	75	45	2	0.064	ug/l	24.63	42.00	2.422E-04	Pulse	0.50	3
Se	78	45	2	0.001	ug/l	22918.02	15.33	8.889E-05	Pulse	1.00	3
Se	78	45	3	0.089	ug/l	58.16	15.33	4.380E-05	Pulse	1.00	3
Sr	88	45	1	0.028	ug/l	8.08	1,660.15	4.738E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.065	ug/l	15.99	523.36	1.007E-04	Pulse	0.10	3
Ag	107	115	1	0.182	ug/l	9.06	2,813.69	4.918E-04	Pulse	0.10	3
Cd	111	115	1	0.017	ug/l	25.53	85.33	1.492E-05	Pulse	0.25	3
Cd	111	115	2	0.022	ug/l	52.81	37.33	2.768E-05	Pulse	0.25	3
Sn	117	115	1	0.076	ug/l	47.03	410.02	7.166E-05	Pulse	0.10	3
Sn	118	115	1	0.080	ug/l	20.44	1,330.11	2.325E-04	Pulse	0.10	3
Sn	118	115	2	0.103	ug/l	25.90	513.36	3.803E-04	Pulse	0.10	3
Sn	119	115	1	0.060	ug/l	64.45	490.03	8.560E-05	Pulse	0.10	3
Sb	121	159	1	0.317	ug/l	9.22	5,311.16	5.737E-04	Pulse	0.10	3
Ba	137	159	1	0.049	ug/l	31.09	1,003.41	1.084E-04	Pulse	0.10	3
Tl	205	209	1	-0.009	ug/l	-39.70	1,170.09	2.155E-04	Pulse	0.10	3
Pb	208	209	1	0.019	ug/l	4.32	1,516.76	2.794E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,070,432.21	0.76	96.8	Analog	0.10	3
1	Sc	45	3,503,329.43	0.98	96.7	Analog	0.10	3
2	Sc	45	173,116.69	1.83	98.5	Pulse	0.10	3
3	Sc	45	350,482.30	0.42	95.3	Pulse	0.10	3
1	Ge	72	727,603.29	0.09	95.0	Pulse	0.10	3
2	Ge	72	111,178.28	1.00	96.7	Pulse	0.10	3
3	Ge	72	174,532.90	0.77	94.3	Pulse	0.10	3
1	Rh	103	5,199,763.88	0.94	95.0	Analog	0.10	3
2	Rh	103	3,096,993.91	0.66	97.5	Analog	0.10	3
1	In	115	5,721,707.13	0.34	95.8	Analog	0.10	3
2	In	115	1,349,984.10	0.59	96.7	Pulse	0.10	3
1	Tb	159	9,256,668.61	0.33	95.8	Analog	0.10	3
2	Tb	159	5,338,708.67	0.47	96.3	Analog	0.10	3
1	Ho	165	8,874,989.87	0.25	95.3	Analog	0.10	3
2	Ho	165	5,252,937.84	0.16	96.1	Analog	0.10	3
1	Bi	209	5,428,659.29	0.63	95.0	Analog	0.10	3
2	Bi	209	3,661,315.26	0.40	94.7	Analog	0.10	3

Quantitation Report

File Name	011CALS.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 22:04
Sample Name	STDI
Sample Type	CalStd
Comment	5000
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.056	ug/l	13.43	238.68	1.142E-04	Pulse	0.25	3
B	11	6	1	1.589	ug/l	6.30	7,926.50	3.794E-03	Pulse	0.15	3
Na	23	45	1	4965.011	ug/l	0.61	70,664,880.62	1.993E+01	Analog	0.10	3
Na	23	45	2	5034.849	ug/l	0.43	2,564,033.03	1.504E+01	Analog	0.20	3
Mg	24	45	1	5043.513	ug/l	0.41	47,714,707.62	1.346E+01	Analog	0.10	3
Mg	24	45	2	4924.800	ug/l	0.70	1,271,315.21	7.456E+00	Pulse	0.20	3
Al	27	45	1	5001.592	ug/l	0.69	62,566,127.40	1.765E+01	Analog	0.10	3
Al	27	45	2	5039.436	ug/l	0.65	468,720.87	2.749E+00	Pulse	0.20	3
K	39	45	1	5045.574	ug/l	0.40	86,184,022.05	2.431E+01	Analog	0.10	3
K	39	45	2	4954.056	ug/l	0.62	1,202,328.00	7.052E+00	Pulse	0.20	3
Ca	43	45	1	5057.052	ug/l	0.55	173,598.68	4.896E-02	Pulse	1.50	3
Ca	43	45	2	5035.505	ug/l	0.57	3,817.33	2.239E-02	Pulse	1.50	3
Ca	44	45	1	5030.741	ug/l	0.19	2,817,273.08	7.945E-01	Analog	0.10	3
Ca	44	45	2	4993.429	ug/l	2.48	67,001.03	3.930E-01	Pulse	0.20	3
Ti	47	45	1	0.230	ug/l	9.72	450.02	1.270E-04	Pulse	0.10	3
Ti	47	45	2	0.201	ug/l	65.52	25.00	1.465E-04	Pulse	0.20	3
V	51	45	2	0.282	ug/l	7.84	1,155.07	6.773E-03	Pulse	0.20	3
Cr	52	45	2	0.253	ug/l	6.05	2,095.18	1.229E-02	Pulse	0.20	3
Mn	55	45	2	0.062	ug/l	9.73	195.01	1.144E-03	Pulse	0.20	3
Fe	56	45	2	4995.786	ug/l	0.49	15,123,351.85	8.870E+01	Analog	0.20	3
Co	59	45	2	0.050	ug/l	14.20	323.34	1.897E-03	Pulse	0.20	3
Ni	60	45	2	-0.007	ug/l	-367.24	200.01	1.174E-03	Pulse	0.20	3
Cu	63	45	2	0.021	ug/l	40.89	341.68	2.003E-03	Pulse	0.20	3
Cu	65	45	2	0.016	ug/l	105.81	156.67	9.180E-04	Pulse	0.20	3
Zn	66	45	2	-0.048	ug/l	-25.76	255.01	1.496E-03	Pulse	0.20	3
As	75	45	2	0.180	ug/l	15.96	94.67	5.554E-04	Pulse	0.50	3
Se	78	45	2	0.209	ug/l	52.15	23.67	1.388E-04	Pulse	1.00	3
Se	78	45	3	0.299	ug/l	22.31	47.00	1.327E-04	Pulse	1.00	3
Sr	88	45	1	0.095	ug/l	9.40	4,250.72	1.198E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.328	ug/l	6.42	2,196.91	4.273E-04	Pulse	0.10	3
Ag	107	115	1	0.221	ug/l	7.48	3,337.18	5.929E-04	Pulse	0.10	3
Cd	111	115	1	0.044	ug/l	13.62	174.67	3.103E-05	Pulse	0.25	3
Cd	111	115	2	0.060	ug/l	12.12	89.33	6.837E-05	Pulse	0.25	3
Sn	117	115	1	0.217	ug/l	5.24	860.06	1.528E-04	Pulse	0.10	3
Sn	118	115	1	0.219	ug/l	9.13	2,770.35	4.921E-04	Pulse	0.10	3
Sn	118	115	2	0.225	ug/l	15.77	880.06	6.734E-04	Pulse	0.10	3
Sn	119	115	1	0.190	ug/l	21.15	976.74	1.736E-04	Pulse	0.10	3
Sb	121	159	1	0.360	ug/l	6.45	5,734.65	6.248E-04	Pulse	0.10	3
Ba	137	159	1	0.160	ug/l	11.15	1,590.14	1.732E-04	Pulse	0.10	3
Tl	205	209	1	-0.005	ug/l	-105.44	1,270.11	2.404E-04	Pulse	0.10	3
Pb	208	209	1	0.039	ug/l	5.49	2,293.50	4.340E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,089,329.33	0.93	97.7	Analog	0.10	3
1	Sc	45	3,545,765.36	0.52	97.9	Analog	0.10	3
2	Sc	45	170,503.66	0.59	97.0	Pulse	0.10	3
3	Sc	45	353,843.24	0.98	96.3	Pulse	0.10	3
1	Ge	72	721,580.49	0.28	94.3	Pulse	0.10	3
2	Ge	72	109,249.17	2.10	95.1	Pulse	0.10	3
3	Ge	72	174,377.65	0.58	94.2	Pulse	0.10	3
1	Rh	103	5,142,042.21	0.38	94.0	Analog	0.10	3
2	Rh	103	3,011,300.48	0.89	94.8	Analog	0.10	3
1	In	115	5,629,215.09	0.41	94.2	Analog	0.10	3
2	In	115	1,307,400.73	0.90	93.6	Pulse	0.10	3
1	Tb	159	9,178,410.28	0.23	95.0	Analog	0.10	3
2	Tb	159	5,313,431.59	0.40	95.9	Analog	0.10	3
1	Ho	165	8,866,219.87	0.44	95.2	Analog	0.10	3
2	Ho	165	5,233,821.90	0.79	95.8	Analog	0.10	3
1	Bi	209	5,285,479.72	0.68	92.5	Analog	0.10	3
2	Bi	209	3,559,440.68	0.84	92.1	Analog	0.10	3

Quantitation Report

File Name	012CALS.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 22:09
Sample Name	STDJ
Sample Type	CalStd
Comment	10000
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.004	ug/l	41.98	41.33	2.002E-05	Pulse	0.25	3
B	11	6	1	1.331	ug/l	4.93	6,972.73	3.378E-03	Pulse	0.15	3
Na	23	45	1	9956.132	ug/l	0.35	142,138,581.21	3.992E+01	Analog	0.10	3
Na	23	45	2	9975.663	ug/l	0.74	5,137,847.74	2.976E+01	Analog	0.20	3
Mg	24	45	1	9965.038	ug/l	0.21	94,676,671.92	2.659E+01	Analog	0.10	3
Mg	24	45	2	10016.647	ug/l	0.70	2,618,343.14	1.517E+01	Analog	0.20	3
Al	27	45	1	9898.378	ug/l	0.39	124,348,408.15	3.492E+01	Analog	0.10	3
Al	27	45	2	9971.466	ug/l	0.64	939,118.79	5.439E+00	Pulse	0.20	3
K	39	45	1	9962.832	ug/l	0.18	169,934,904.14	4.772E+01	Analog	0.10	3
K	39	45	2	9996.875	ug/l	0.70	2,449,991.89	1.419E+01	Analog	0.20	3
Ca	43	45	1	9956.276	ug/l	0.64	343,120.49	9.636E-02	Pulse	1.50	3
Ca	43	45	2	9962.021	ug/l	0.89	7,645.31	4.428E-02	Pulse	1.50	3
Ca	44	45	1	9970.529	ug/l	0.46	5,604,267.21	1.574E+00	Analog	0.10	3
Ca	44	45	2	9988.100	ug/l	1.07	135,684.28	7.859E-01	Pulse	0.20	3
Ti	47	45	1	0.020	ug/l	115.01	103.34	2.906E-05	Pulse	0.10	3
Ti	47	45	2	0.001	ug/l	34.97	5.00	2.896E-05	Pulse	0.20	3
V	51	45	2	0.031	ug/l	39.63	400.01	2.316E-03	Pulse	0.20	3
Cr	52	45	2	0.114	ug/l	20.22	1,566.78	9.073E-03	Pulse	0.20	3
Mn	55	45	2	0.097	ug/l	12.09	273.34	1.582E-03	Pulse	0.20	3
Fe	56	45	2	9904.288	ug/l	0.66	30,359,347.05	1.758E+02	Analog	0.20	3
Co	59	45	2	0.070	ug/l	6.97	455.02	2.636E-03	Pulse	0.20	3
Ni	60	45	2	0.053	ug/l	45.12	301.68	1.746E-03	Pulse	0.20	3
Cu	63	45	2	0.007	ug/l	446.89	283.34	1.645E-03	Pulse	0.20	3
Cu	65	45	2	0.019	ug/l	106.99	165.00	9.569E-04	Pulse	0.20	3
Zn	66	45	2	0.172	ug/l	19.71	423.35	2.453E-03	Pulse	0.20	3
As	75	45	2	0.013	ug/l	216.82	18.00	1.039E-04	Pulse	0.50	3
Se	78	45	2	-0.080	ug/l	-169.25	12.00	6.954E-05	Pulse	1.00	3
Se	78	45	3	0.058	ug/l	52.27	11.00	3.076E-05	Pulse	1.00	3
Sr	88	45	1	0.160	ug/l	2.20	6,791.71	1.907E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.034	ug/l	25.96	313.35	6.156E-05	Pulse	0.10	3
Ag	107	115	1	0.065	ug/l	9.56	1,060.09	1.898E-04	Pulse	0.10	3
Cd	111	115	1	0.099	ug/l	6.99	356.01	6.374E-05	Pulse	0.25	3
Cd	111	115	2	0.096	ug/l	31.49	140.00	1.067E-04	Pulse	0.25	3
Sn	117	115	1	0.023	ug/l	127.44	230.01	4.113E-05	Pulse	0.10	3
Sn	118	115	1	0.034	ug/l	10.55	813.39	1.456E-04	Pulse	0.10	3
Sn	118	115	2	0.026	ug/l	106.87	256.68	1.957E-04	Pulse	0.10	3
Sn	119	115	1	0.015	ug/l	105.85	310.02	5.553E-05	Pulse	0.10	3
Sb	121	159	1	0.086	ug/l	10.97	2,783.68	2.987E-04	Pulse	0.10	3
Ba	137	159	1	0.197	ug/l	8.97	1,813.52	1.946E-04	Pulse	0.10	3
Tl	205	209	1	-0.011	ug/l	-9.26	1,083.42	2.057E-04	Pulse	0.10	3
Pb	208	209	1	0.066	ug/l	8.07	3,363.63	6.384E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,064,306.59	0.48	96.5	Analog	0.10	3
1	Sc	45	3,560,967.34	0.65	98.3	Analog	0.10	3
2	Sc	45	172,660.09	0.73	98.2	Pulse	0.10	3
3	Sc	45	357,497.83	0.17	97.2	Pulse	0.10	3
1	Ge	72	726,697.59	0.28	94.9	Pulse	0.10	3
2	Ge	72	110,549.89	0.83	96.2	Pulse	0.10	3
3	Ge	72	177,641.39	1.02	96.0	Pulse	0.10	3
1	Rh	103	5,090,953.15	0.67	93.0	Analog	0.10	3
2	Rh	103	3,021,076.83	0.76	95.1	Analog	0.10	3
1	In	115	5,585,557.07	0.41	93.5	Analog	0.10	3
2	In	115	1,312,405.06	0.32	94.0	Pulse	0.10	3
1	Tb	159	9,321,604.24	0.39	96.5	Analog	0.10	3
2	Tb	159	5,344,992.42	1.22	96.4	Analog	0.10	3
1	Ho	165	8,951,078.83	0.56	96.1	Analog	0.10	3
2	Ho	165	5,310,968.46	0.74	97.2	Analog	0.10	3
1	Bi	209	5,268,007.73	0.45	92.2	Analog	0.10	3
2	Bi	209	3,570,783.17	0.72	92.3	Analog	0.10	3

Quantitation Report

File Name	013SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 22:14
Sample Name	ICVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	57.614	ug/l	0.64	219,254.67	1.032E-01	Pulse	0.25	3
B	11	6	1	52.490	ug/l	1.94	182,914.59	8.610E-02	Pulse	0.15	3
Na	23	45	1	5462.626	ug/l	0.40	79,892,433.81	2.192E+01	Analog	0.10	3
Na	23	45	2	5487.446	ug/l	0.70	2,857,376.42	1.639E+01	Analog	0.20	3
Mg	24	45	1	5590.730	ug/l	0.38	54,362,940.86	1.492E+01	Analog	0.10	3
Mg	24	45	2	5548.360	ug/l	0.31	1,464,801.38	8.400E+00	Analog	0.20	3
Al	27	45	1	5609.572	ug/l	0.74	72,122,530.59	1.979E+01	Analog	0.10	3
Al	27	45	2	5554.302	ug/l	0.48	528,315.77	3.030E+00	Pulse	0.20	3
K	39	45	1	5614.637	ug/l	0.24	98,457,991.87	2.702E+01	Analog	0.10	3
K	39	45	2	5530.055	ug/l	0.55	1,371,767.37	7.867E+00	Analog	0.20	3
Ca	43	45	1	5607.206	ug/l	0.39	197,823.76	5.428E-02	Pulse	1.50	3
Ca	43	45	2	5923.644	ug/l	2.08	4,592.19	2.634E-02	Pulse	1.50	3
Ca	44	45	1	5595.597	ug/l	0.22	3,220,395.06	8.836E-01	Analog	0.10	3
Ca	44	45	2	5704.221	ug/l	1.38	78,274.58	4.489E-01	Pulse	0.20	3
Ti	47	45	1	52.005	ug/l	0.38	88,435.56	2.427E-02	Pulse	0.10	3
Ti	47	45	2	51.803	ug/l	2.30	5,324.31	3.053E-02	Pulse	0.20	3
V	51	45	2	57.081	ug/l	1.12	177,499.01	1.018E+00	Pulse	0.20	3
Cr	52	45	2	55.745	ug/l	0.57	226,025.71	1.296E+00	Pulse	0.20	3
Mn	55	45	2	56.725	ug/l	1.29	124,446.08	7.137E-01	Pulse	0.20	3
Fe	56	45	2	5494.540	ug/l	0.60	17,010,258.08	9.755E+01	Analog	0.20	3
Co	59	45	2	55.272	ug/l	0.80	351,318.09	2.015E+00	Pulse	0.20	3
Ni	60	45	2	55.131	ug/l	0.89	92,942.02	5.330E-01	Pulse	0.20	3
Cu	63	45	2	55.195	ug/l	0.50	249,580.29	1.431E+00	Pulse	0.20	3
Cu	65	45	2	55.373	ug/l	0.32	123,412.32	7.078E-01	Pulse	0.20	3
Zn	66	45	2	56.084	ug/l	0.58	42,745.71	2.451E-01	Pulse	0.20	3
As	75	45	2	56.037	ug/l	1.18	26,389.34	1.513E-01	Pulse	0.50	3
Se	78	45	2	56.352	ug/l	4.30	2,368.85	1.359E-02	Pulse	1.00	3
Se	78	45	3	56.218	ug/l	1.91	8,338.15	2.377E-02	Pulse	1.00	3
Sr	88	45	1	50.253	ug/l	1.21	1,988,035.70	5.455E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	52.747	ug/l	0.60	341,090.11	6.557E-02	Pulse	0.10	3
Ag	107	115	1	57.495	ug/l	0.81	848,646.21	1.489E-01	Pulse	0.10	3
Cd	111	115	1	57.422	ug/l	0.85	195,530.05	3.430E-02	Pulse	0.25	3
Cd	111	115	2	56.479	ug/l	0.22	79,904.00	6.003E-02	Pulse	0.25	3
Sn	117	115	1	53.777	ug/l	1.44	176,685.66	3.099E-02	Pulse	0.10	3
Sn	118	115	1	53.030	ug/l	0.75	565,551.68	9.921E-02	Pulse	0.10	3
Sn	118	115	2	52.326	ug/l	0.49	167,350.87	1.257E-01	Pulse	0.10	3
Sn	119	115	1	53.120	ug/l	0.66	205,317.31	3.602E-02	Pulse	0.10	3
Sb	121	159	1	65.649	ug/l	0.58	726,532.49	7.851E-02	Pulse	0.10	3
Ba	137	159	1	58.270	ug/l	0.87	314,405.27	3.398E-02	Pulse	0.10	3
Tl	205	209	1	57.220	ug/l	1.43	1,710,519.66	3.224E-01	Analog	0.10	3
Pb	208	209	1	57.868	ug/l	0.79	2,373,203.69	4.473E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,124,558.90	0.62	99.4	Analog	0.10	3
1	Sc	45	3,644,446.30	0.23	100.6	Analog	0.10	3
2	Sc	45	174,370.96	0.37	99.2	Pulse	0.10	3
3	Sc	45	350,786.60	0.74	95.4	Pulse	0.10	3
1	Ge	72	737,906.01	0.36	96.4	Pulse	0.10	3
2	Ge	72	111,288.79	1.51	96.8	Pulse	0.10	3
3	Ge	72	174,926.71	0.69	94.5	Pulse	0.10	3
1	Rh	103	5,201,654.30	0.40	95.1	Analog	0.10	3
2	Rh	103	3,054,863.18	1.03	96.1	Analog	0.10	3
1	In	115	5,700,709.69	0.88	95.4	Analog	0.10	3
2	In	115	1,331,090.87	0.28	95.3	Pulse	0.10	3
1	Tb	159	9,253,978.82	0.29	95.8	Analog	0.10	3
2	Tb	159	5,378,351.79	1.00	97.0	Analog	0.10	3
1	Ho	165	8,877,929.45	0.61	95.3	Analog	0.10	3
2	Ho	165	5,334,093.67	0.96	97.6	Analog	0.10	3
1	Bi	209	5,305,270.13	0.79	92.8	Analog	0.10	3
2	Bi	209	3,635,239.01	0.78	94.0	Analog	0.10	3

Quantitation Report

File Name	014SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 22:19
Sample Name	ICB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.001	ug/l	-360.76	25.33	1.195E-05	Pulse	0.25	3
B	11	6	1	1.080	ug/l	17.55	6,279.11	2.972E-03	Pulse	0.15	3
Na	23	45	1	-2.292	ug/l	-6.48	136,402.46	3.790E-02	Pulse	0.10	3
Na	23	45	2	-1.811	ug/l	-32.08	5,741.09	3.284E-02	Pulse	0.20	3
Mg	24	45	1	0.050	ug/l	47.53	2,586.97	7.187E-04	Pulse	0.10	3
Mg	24	45	2	-0.045	ug/l	-109.29	63.33	3.625E-04	Pulse	0.20	3
Al	27	45	1	0.064	ug/l	43.66	5,801.23	1.612E-03	Pulse	0.10	3
Al	27	45	2	0.316	ug/l	47.76	58.33	3.336E-04	Pulse	0.20	3
K	39	45	1	-2.662	ug/l	-14.26	962,806.84	2.675E-01	Pulse	0.10	3
K	39	45	2	-0.255	ug/l	-446.94	6,733.16	3.850E-02	Pulse	0.20	3
Ca	43	45	1	-1.147	ug/l	-27.17	86.67	2.407E-05	Pulse	1.50	3
Ca	43	45	2	-1.983	ug/l	-74.87	0.67	3.810E-06	Pulse	1.50	3
Ca	44	45	1	-1.530	ug/l	-19.16	2,600.31	7.224E-04	Pulse	0.10	3
Ca	44	45	2	0.261	ug/l	377.42	40.00	2.293E-04	Pulse	0.20	3
Ti	47	45	1	-0.016	ug/l	-110.13	43.33	1.202E-05	Pulse	0.10	3
Ti	47	45	2	-0.032	ug/l	-87.59	1.67	9.524E-06	Pulse	0.20	3
V	51	45	2	0.013	ug/l	104.88	346.68	1.982E-03	Pulse	0.20	3
Cr	52	45	2	-0.021	ug/l	-180.64	1,040.05	5.951E-03	Pulse	0.20	3
Mn	55	45	2	-0.016	ug/l	-90.59	28.33	1.611E-04	Pulse	0.20	3
Fe	56	45	2	0.245	ug/l	26.03	3,578.80	2.047E-02	Pulse	0.20	3
Co	59	45	2	-0.001	ug/l	-310.06	11.67	6.624E-05	Pulse	0.20	3
Ni	60	45	2	-0.028	ug/l	-100.81	170.01	9.717E-04	Pulse	0.20	3
Cu	63	45	2	-0.024	ug/l	-26.38	148.33	8.490E-04	Pulse	0.20	3
Cu	65	45	2	-0.027	ug/l	-30.85	63.33	3.621E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.212	ug/l	-35.15	136.67	7.837E-04	Pulse	0.20	3
As	75	45	2	0.015	ug/l	70.67	19.33	1.107E-04	Pulse	0.50	3
Se	78	45	2	-0.116	ug/l	-47.82	10.67	6.101E-05	Pulse	1.00	3
Se	78	45	3	0.014	ug/l	54.07	4.33	1.210E-05	Pulse	1.00	3
Sr	88	45	1	-0.002	ug/l	-181.81	536.70	1.490E-04	Pulse	0.10	3
Mo	95	103	1	0.051	ug/l	13.01	440.02	8.271E-05	Pulse	0.10	3
Ag	107	115	1	0.002	ug/l	159.94	146.68	2.536E-05	Pulse	0.10	3
Cd	111	115	1	0.000	ug/l	1967.29	26.67	4.622E-06	Pulse	0.25	3
Cd	111	115	2	-0.002	ug/l	-156.18	4.00	2.923E-06	Pulse	0.25	3
Sn	117	115	1	0.063	ug/l	16.24	370.02	6.403E-05	Pulse	0.10	3
Sn	118	115	1	0.050	ug/l	9.48	1,016.75	1.760E-04	Pulse	0.10	3
Sn	118	115	2	0.065	ug/l	23.36	396.69	2.907E-04	Pulse	0.10	3
Sn	119	115	1	0.058	ug/l	31.49	486.70	8.423E-05	Pulse	0.10	3
Sb	121	159	1	0.003	ug/l	363.31	1,843.50	1.996E-04	Pulse	0.10	3
Ba	137	159	1	0.035	ug/l	86.27	926.74	1.003E-04	Pulse	0.10	3
Tl	205	209	1	0.245	ug/l	0.55	8,889.67	1.643E-03	Pulse	0.10	3
Pb	208	209	1	-0.001	ug/l	-178.69	650.03	1.202E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,114,418.62	1.13	98.9	Analog	0.10	3
1	Sc	45	3,599,390.99	0.36	99.4	Analog	0.10	3
2	Sc	45	174,852.94	1.03	99.4	Pulse	0.10	3
3	Sc	45	357,469.46	1.31	97.2	Pulse	0.10	3
1	Ge	72	742,937.67	0.84	97.0	Pulse	0.10	3
2	Ge	72	113,208.52	0.47	98.5	Pulse	0.10	3
3	Ge	72	178,852.77	1.24	96.7	Pulse	0.10	3
1	Rh	103	5,318,450.96	0.72	97.2	Analog	0.10	3
2	Rh	103	3,132,147.04	0.11	98.6	Analog	0.10	3
1	In	115	5,777,081.72	0.69	96.7	Analog	0.10	3
2	In	115	1,364,771.14	0.69	97.7	Pulse	0.10	3
1	Tb	159	9,237,046.53	0.55	95.6	Analog	0.10	3
2	Tb	159	5,408,536.59	0.85	97.6	Analog	0.10	3
1	Ho	165	8,880,297.78	0.98	95.3	Analog	0.10	3
2	Ho	165	5,315,483.46	0.22	97.3	Analog	0.10	3
1	Bi	209	5,409,036.79	0.81	94.6	Analog	0.10	3
2	Bi	209	3,701,546.93	0.29	95.7	Analog	0.10	3

Quantitation Report

File Name	015SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 22:24
Sample Name	CRI
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.578	ug/l	8.99	2,197.51	1.048E-03	Pulse	0.25	3
B	11	6	1	5.049	ug/l	3.85	19,691.75	9.389E-03	Pulse	0.15	3
Na	23	45	1	257.967	ug/l	0.57	3,887,280.98	1.080E+00	Analog	0.10	3
Na	23	45	2	250.857	ug/l	2.68	136,464.24	7.856E-01	Pulse	0.20	3
Mg	24	45	1	263.788	ug/l	0.38	2,535,102.31	7.044E-01	Analog	0.10	3
Mg	24	45	2	256.600	ug/l	1.17	67,562.94	3.889E-01	Pulse	0.20	3
Al	27	45	1	26.223	ug/l	0.80	337,921.30	9.389E-02	Pulse	0.10	3
Al	27	45	2	26.589	ug/l	10.12	2,548.57	1.466E-02	Pulse	0.20	3
K	39	45	1	260.583	ug/l	0.63	5,474,251.17	1.521E+00	Analog	0.10	3
K	39	45	2	256.345	ug/l	1.84	69,789.94	4.017E-01	Pulse	0.20	3
Ca	43	45	1	262.725	ug/l	0.88	9,274.35	2.577E-03	Pulse	1.50	3
Ca	43	45	2	300.578	ug/l	1.18	234.23	1.348E-03	Pulse	1.50	3
Ca	44	45	1	259.341	ug/l	1.15	150,707.35	4.187E-02	Pulse	0.10	3
Ca	44	45	2	285.089	ug/l	6.70	3,932.21	2.263E-02	Pulse	0.20	3
Ti	47	45	1	0.941	ug/l	8.29	1,650.17	4.585E-04	Pulse	0.10	3
Ti	47	45	2	0.880	ug/l	13.70	95.00	5.463E-04	Pulse	0.20	3
V	51	45	2	1.021	ug/l	3.66	3,463.77	1.994E-02	Pulse	0.20	3
Cr	52	45	2	1.119	ug/l	7.31	5,614.40	3.233E-02	Pulse	0.20	3
Mn	55	45	2	0.527	ug/l	2.64	1,215.07	6.994E-03	Pulse	0.20	3
Fe	56	45	2	27.578	ug/l	1.49	87,844.30	5.057E-01	Pulse	0.20	3
Co	59	45	2	0.545	ug/l	4.53	3,467.11	1.996E-02	Pulse	0.20	3
Ni	60	45	2	1.158	ug/l	6.15	2,156.85	1.241E-02	Pulse	0.20	3
Cu	63	45	2	1.033	ug/l	3.12	4,905.84	2.823E-02	Pulse	0.20	3
Cu	65	45	2	1.009	ug/l	11.64	2,363.55	1.360E-02	Pulse	0.20	3
Zn	66	45	2	2.393	ug/l	4.46	2,100.18	1.209E-02	Pulse	0.20	3
As	75	45	2	0.530	ug/l	19.81	260.67	1.500E-03	Pulse	0.50	3
Se	78	45	2	0.519	ug/l	23.00	37.00	2.132E-04	Pulse	1.00	3
Se	78	45	3	0.567	ug/l	9.11	85.67	2.459E-04	Pulse	1.00	3
Sr	88	45	1	4.792	ug/l	0.40	187,755.01	5.217E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.045	ug/l	5.55	7,038.49	1.318E-03	Pulse	0.10	3
Ag	107	115	1	0.557	ug/l	1.17	8,415.89	1.463E-03	Pulse	0.10	3
Cd	111	115	1	0.544	ug/l	3.20	1,894.81	3.294E-04	Pulse	0.25	3
Cd	111	115	2	0.567	ug/l	5.30	825.37	6.076E-04	Pulse	0.25	3
Sn	117	115	1	4.774	ug/l	0.91	15,968.73	2.776E-03	Pulse	0.10	3
Sn	118	115	1	4.709	ug/l	1.21	51,103.89	8.885E-03	Pulse	0.10	3
Sn	118	115	2	4.557	ug/l	1.73	15,037.68	1.107E-02	Pulse	0.10	3
Sn	119	115	1	4.780	ug/l	1.94	18,878.53	3.282E-03	Pulse	0.10	3
Sb	121	159	1	0.641	ug/l	1.97	8,836.14	9.605E-04	Pulse	0.10	3
Ba	137	159	1	1.122	ug/l	8.71	6,738.40	7.327E-04	Pulse	0.10	3
Tl	205	209	1	0.529	ug/l	1.26	17,547.67	3.242E-03	Pulse	0.10	3
Pb	208	209	1	0.542	ug/l	2.57	23,361.54	4.317E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,097,489.48	0.43	98.1	Analog	0.10	3
1	Sc	45	3,599,072.03	0.10	99.4	Analog	0.10	3
2	Sc	45	173,736.38	1.01	98.8	Pulse	0.10	3
3	Sc	45	348,626.58	0.98	94.8	Pulse	0.10	3
1	Ge	72	739,131.89	0.51	96.5	Pulse	0.10	3
2	Ge	72	111,711.80	1.41	97.2	Pulse	0.10	3
3	Ge	72	177,497.01	0.94	95.9	Pulse	0.10	3
1	Rh	103	5,339,577.63	0.43	97.6	Analog	0.10	3
2	Rh	103	3,121,646.41	0.42	98.2	Analog	0.10	3
1	In	115	5,751,478.83	0.22	96.3	Analog	0.10	3
2	In	115	1,358,320.60	1.71	97.2	Pulse	0.10	3
1	Tb	159	9,198,717.99	0.77	95.2	Analog	0.10	3
2	Tb	159	5,358,223.25	0.44	96.7	Analog	0.10	3
1	Ho	165	8,890,033.83	0.69	95.4	Analog	0.10	3
2	Ho	165	5,303,639.92	0.10	97.1	Analog	0.10	3
1	Bi	209	5,411,801.38	0.80	94.7	Analog	0.10	3
2	Bi	209	3,695,144.32	0.45	95.6	Analog	0.10	3

Quantitation Report

File Name	016SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 22:29
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	48.884	ug/l	0.13	185,732.03	8.757E-02	Pulse	0.25	3
B	11	6	1	48.009	ug/l	0.81	167,258.44	7.886E-02	Pulse	0.15	3
Na	23	45	1	4853.993	ug/l	0.42	71,193,425.61	1.948E+01	Analog	0.10	3
Na	23	45	2	4873.719	ug/l	0.24	2,546,081.58	1.456E+01	Analog	0.20	3
Mg	24	45	1	4954.789	ug/l	0.46	48,303,887.62	1.322E+01	Analog	0.10	3
Mg	24	45	2	4742.784	ug/l	0.84	1,255,795.89	7.181E+00	Pulse	0.20	3
Al	27	45	1	4911.046	ug/l	0.89	63,305,645.72	1.733E+01	Analog	0.10	3
Al	27	45	2	4822.864	ug/l	0.80	460,113.85	2.631E+00	Pulse	0.20	3
K	39	45	1	4958.071	ug/l	0.98	87,286,488.70	2.389E+01	Analog	0.10	3
K	39	45	2	4809.292	ug/l	0.54	1,197,403.76	6.847E+00	Pulse	0.20	3
Ca	43	45	1	4957.529	ug/l	0.51	175,367.72	4.800E-02	Pulse	1.50	3
Ca	43	45	2	5315.686	ug/l	0.93	4,133.41	2.363E-02	Pulse	1.50	3
Ca	44	45	1	4912.653	ug/l	0.76	2,835,002.88	7.759E-01	Analog	0.10	3
Ca	44	45	2	5096.380	ug/l	1.26	70,145.46	4.011E-01	Pulse	0.20	3
Ti	47	45	1	48.118	ug/l	2.40	82,034.37	2.245E-02	Pulse	0.10	3
Ti	47	45	2	49.010	ug/l	1.00	5,052.55	2.889E-02	Pulse	0.20	3
V	51	45	2	47.691	ug/l	0.88	148,800.40	8.508E-01	Pulse	0.20	3
Cr	52	45	2	47.063	ug/l	0.27	191,568.58	1.095E+00	Pulse	0.20	3
Mn	55	45	2	47.219	ug/l	1.00	103,910.97	5.942E-01	Pulse	0.20	3
Fe	56	45	2	4874.578	ug/l	0.67	15,136,002.27	8.655E+01	Analog	0.20	3
Co	59	45	2	45.324	ug/l	0.18	288,955.57	1.652E+00	Pulse	0.20	3
Ni	60	45	2	45.075	ug/l	0.86	76,252.59	4.360E-01	Pulse	0.20	3
Cu	63	45	2	45.324	ug/l	0.59	205,607.33	1.176E+00	Pulse	0.20	3
Cu	65	45	2	45.404	ug/l	0.27	101,516.96	5.805E-01	Pulse	0.20	3
Zn	66	45	2	45.344	ug/l	1.73	34,718.72	1.985E-01	Pulse	0.20	3
As	75	45	2	46.488	ug/l	0.78	21,960.15	1.256E-01	Pulse	0.50	3
Se	78	45	2	46.205	ug/l	4.06	1,951.12	1.116E-02	Pulse	1.00	3
Se	78	45	3	45.706	ug/l	2.15	6,886.14	1.933E-02	Pulse	1.00	3
Sr	88	45	1	46.284	ug/l	0.39	1,835,802.37	5.024E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	49.317	ug/l	0.17	320,463.67	6.131E-02	Pulse	0.10	3
Ag	107	115	1	47.278	ug/l	0.62	695,376.79	1.224E-01	Pulse	0.10	3
Cd	111	115	1	47.399	ug/l	0.66	160,829.95	2.831E-02	Pulse	0.25	3
Cd	111	115	2	46.911	ug/l	0.59	66,778.57	4.986E-02	Pulse	0.25	3
Sn	117	115	1	48.042	ug/l	1.29	157,282.96	2.769E-02	Pulse	0.10	3
Sn	118	115	1	47.843	ug/l	0.71	508,451.92	8.951E-02	Pulse	0.10	3
Sn	118	115	2	46.312	ug/l	1.72	149,053.19	1.113E-01	Pulse	0.10	3
Sn	119	115	1	48.126	ug/l	1.38	185,372.21	3.264E-02	Pulse	0.10	3
Sb	121	159	1	53.865	ug/l	1.01	595,363.51	6.445E-02	Pulse	0.10	3
Ba	137	159	1	48.231	ug/l	0.90	259,895.63	2.814E-02	Pulse	0.10	3
Tl	205	209	1	45.724	ug/l	1.05	1,359,402.01	2.577E-01	Mix	0.10	3
Pb	208	209	1	48.725	ug/l	0.36	1,987,111.18	3.767E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,120,995.40	0.54	99.2	Analog	0.10	3
1	Sc	45	3,653,871.20	0.79	100.9	Analog	0.10	3
2	Sc	45	174,891.39	0.94	99.5	Pulse	0.10	3
3	Sc	45	356,272.39	0.13	96.9	Pulse	0.10	3
1	Ge	72	742,196.29	0.31	96.9	Pulse	0.10	3
2	Ge	72	110,808.76	1.95	96.4	Pulse	0.10	3
3	Ge	72	176,010.03	0.08	95.1	Pulse	0.10	3
1	Rh	103	5,226,814.19	0.52	95.5	Analog	0.10	3
2	Rh	103	3,065,223.29	1.30	96.5	Analog	0.10	3
1	In	115	5,680,178.67	0.24	95.1	Analog	0.10	3
2	In	115	1,339,323.13	0.32	95.9	Mix	0.10	3
1	Tb	159	9,237,327.78	0.44	95.6	Analog	0.10	3
2	Tb	159	5,330,233.47	0.96	96.2	Analog	0.10	3
1	Ho	165	8,891,543.20	0.53	95.4	Analog	0.10	3
2	Ho	165	5,236,582.84	1.34	95.8	Analog	0.10	3
1	Bi	209	5,275,345.13	0.76	92.3	Analog	0.10	3
2	Bi	209	3,555,818.38	0.39	92.0	Analog	0.10	3

Quantitation Report

File Name	017SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 22:34
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.002	ug/l	-135.32	18.67	8.824E-06	Pulse	0.25	3
B	11	6	1	1.031	ug/l	5.13	6,134.59	2.892E-03	Pulse	0.15	3
Na	23	45	1	-2.452	ug/l	-2.46	134,688.61	3.726E-02	Pulse	0.10	3
Na	23	45	2	-1.850	ug/l	-23.62	5,724.41	3.272E-02	Pulse	0.20	3
Mg	24	45	1	0.026	ug/l	54.72	2,360.27	6.530E-04	Pulse	0.10	3
Mg	24	45	2	0.018	ug/l	485.34	80.00	4.567E-04	Pulse	0.20	3
Al	27	45	1	0.016	ug/l	159.08	5,207.64	1.441E-03	Pulse	0.10	3
Al	27	45	2	0.367	ug/l	31.73	63.33	3.616E-04	Pulse	0.20	3
K	39	45	1	-2.679	ug/l	-19.58	966,742.12	2.674E-01	Pulse	0.10	3
K	39	45	2	-0.467	ug/l	-351.45	6,681.49	3.820E-02	Pulse	0.20	3
Ca	43	45	1	-1.291	ug/l	-4.56	82.00	2.268E-05	Pulse	1.50	3
Ca	43	45	2	-0.246	ug/l	-939.39	2.00	1.153E-05	Pulse	1.50	3
Ca	44	45	1	-1.620	ug/l	-8.92	2,560.30	7.082E-04	Pulse	0.10	3
Ca	44	45	2	-1.442	ug/l	-89.49	16.67	9.525E-05	Pulse	0.20	3
Ti	47	45	1	-0.009	ug/l	-322.64	56.67	1.567E-05	Pulse	0.10	3
Ti	47	45	2	-0.032	ug/l	-88.95	1.67	9.623E-06	Pulse	0.20	3
V	51	45	2	0.024	ug/l	80.53	381.68	2.179E-03	Pulse	0.20	3
Cr	52	45	2	-0.030	ug/l	-32.83	1,006.72	5.749E-03	Pulse	0.20	3
Mn	55	45	2	-0.015	ug/l	-25.41	30.00	1.712E-04	Pulse	0.20	3
Fe	56	45	2	0.235	ug/l	32.85	3,545.46	2.027E-02	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	129.12	21.67	1.240E-04	Pulse	0.20	3
Ni	60	45	2	-0.040	ug/l	-42.97	150.00	8.557E-04	Pulse	0.20	3
Cu	63	45	2	-0.019	ug/l	-32.59	168.34	9.639E-04	Pulse	0.20	3
Cu	65	45	2	-0.015	ug/l	-81.11	91.67	5.228E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.178	ug/l	-14.46	163.33	9.319E-04	Pulse	0.20	3
As	75	45	2	0.004	ug/l	457.83	14.00	8.047E-05	Pulse	0.50	3
Se	78	45	2	-0.093	ug/l	-84.89	11.67	6.646E-05	Pulse	1.00	3
Se	78	45	3	0.009	ug/l	107.70	3.67	1.035E-05	Pulse	1.00	3
Sr	88	45	1	0.000	ug/l	-649.94	590.03	1.632E-04	Pulse	0.10	3
Mo	95	103	1	0.043	ug/l	42.87	386.69	7.275E-05	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	179.30	133.34	2.314E-05	Pulse	0.10	3
Cd	111	115	1	0.000	ug/l	-2251.67	25.33	4.398E-06	Pulse	0.25	3
Cd	111	115	2	0.002	ug/l	359.27	9.33	6.885E-06	Pulse	0.25	3
Sn	117	115	1	0.068	ug/l	17.82	386.69	6.706E-05	Pulse	0.10	3
Sn	118	115	1	0.074	ug/l	28.98	1,270.11	2.204E-04	Pulse	0.10	3
Sn	118	115	2	0.094	ug/l	26.53	490.03	3.589E-04	Pulse	0.10	3
Sn	119	115	1	0.065	ug/l	26.99	513.36	8.902E-05	Pulse	0.10	3
Sb	121	159	1	0.016	ug/l	74.81	1,980.21	2.154E-04	Pulse	0.10	3
Ba	137	159	1	0.018	ug/l	103.09	833.39	9.060E-05	Pulse	0.10	3
Tl	205	209	1	0.239	ug/l	1.53	8,682.90	1.610E-03	Pulse	0.10	3
Pb	208	209	1	-0.002	ug/l	-53.07	593.36	1.101E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,121,574.56	0.97	99.2	Analog	0.10	3
1	Sc	45	3,615,302.86	0.52	99.8	Analog	0.10	3
2	Sc	45	175,029.50	2.10	99.5	Pulse	0.10	3
3	Sc	45	354,065.87	0.53	96.3	Pulse	0.10	3
1	Ge	72	739,929.13	0.40	96.6	Pulse	0.10	3
2	Ge	72	112,600.68	0.36	98.0	Pulse	0.10	3
3	Ge	72	177,827.08	1.31	96.1	Pulse	0.10	3
1	Rh	103	5,318,955.55	0.33	97.2	Analog	0.10	3
2	Rh	103	3,162,756.00	0.71	99.5	Analog	0.10	3
1	In	115	5,764,555.47	0.41	96.5	Analog	0.10	3
2	In	115	1,363,556.51	1.45	97.6	Mix	0.10	3
1	Tb	159	9,196,060.90	0.36	95.2	Analog	0.10	3
2	Tb	159	5,382,885.75	0.23	97.1	Analog	0.10	3
1	Ho	165	8,823,794.24	1.29	94.7	Analog	0.10	3
2	Ho	165	5,247,200.34	0.50	96.0	Analog	0.10	3
1	Bi	209	5,391,999.71	0.70	94.3	Analog	0.10	3
2	Bi	209	3,671,361.51	0.50	94.9	Analog	0.10	3

Quantitation Report

File Name	018SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 22:40
Sample Name	ICSA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.001	ug/l	-296.22	21.33	1.096E-05	Pulse	0.25	3
B	11	6	1	0.650	ug/l	3.61	4,400.69	2.276E-03	Pulse	0.15	3
Na	23	45	1	95993.608	ug/l	0.60	1,358,317,873.09	3.844E+02	Analog	0.10	3
Na	23	45	2	96947.273	ug/l	1.53	52,211,730.89	2.889E+02	Analog	0.20	3
Mg	24	45	1	97922.116	ug/l	0.88	923,177,479.58	2.613E+02	Analog	0.10	3
Mg	24	45	2	97023.234	ug/l	1.07	26,550,856.27	1.469E+02	Analog	0.20	3
Al	27	45	1	96154.173	ug/l	0.39	1,198,472,142.14	3.392E+02	Analog	0.10	3
Al	27	45	2	98238.784	ug/l	0.88	9,686,061.94	5.359E+01	Analog	0.20	3
K	39	45	1	97585.364	ug/l	0.14	1,642,738,428.85	4.650E+02	Analog	0.10	3
K	39	45	2	98247.266	ug/l	0.92	25,145,866.29	1.391E+02	Analog	0.20	3
Ca	43	45	1	99925.533	ug/l	0.26	3,415,758.22	9.667E-01	Analog	1.50	3
Ca	43	45	2	99270.873	ug/l	1.38	79,734.45	4.411E-01	Pulse	1.50	3
Ca	44	45	1	99349.240	ug/l	0.41	55,373,134.17	1.567E+01	Analog	0.10	3
Ca	44	45	2	98572.419	ug/l	0.87	1,401,596.33	7.754E+00	Analog	0.20	3
Ti	47	45	1	1952.929	ug/l	0.26	3,216,875.05	9.105E-01	Analog	0.10	3
Ti	47	45	2	1851.682	ug/l	1.99	197,077.65	1.090E+00	Pulse	0.20	3
V	51	45	2	0.163	ug/l	19.89	843.37	4.668E-03	Pulse	0.20	3
Cr	52	45	2	1.068	ug/l	2.27	5,631.07	3.115E-02	Pulse	0.20	3
Mn	55	45	2	0.139	ug/l	15.71	380.01	2.104E-03	Pulse	0.20	3
Fe	56	45	2	97661.014	ug/l	1.58	313,353,042.00	1.734E+03	Analog	0.20	3
Co	59	45	2	0.037	ug/l	9.83	260.01	1.438E-03	Pulse	0.20	3
Ni	60	45	2	0.608	ug/l	8.02	1,283.41	7.103E-03	Pulse	0.20	3
Cu	63	45	2	0.158	ug/l	5.64	1,003.38	5.552E-03	Pulse	0.20	3
Cu	65	45	2	0.175	ug/l	18.06	531.69	2.944E-03	Pulse	0.20	3
Zn	66	45	2	1.587	ug/l	4.16	1,553.44	8.595E-03	Pulse	0.20	3
As	75	45	2	0.382	ug/l	20.06	198.67	1.101E-03	Pulse	0.50	3
Se	78	45	2	-0.024	ug/l	-431.59	15.00	8.307E-05	Pulse	1.00	3
Se	78	45	3	0.020	ug/l	19.51	5.33	1.501E-05	Pulse	1.00	3
Sr	88	45	1	0.308	ug/l	1.96	12,391.83	3.507E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	2053.483	ug/l	0.84	11,948,339.41	2.552E+00	Analog	0.10	3
Ag	107	115	1	0.042	ug/l	21.80	703.38	1.308E-04	Pulse	0.10	3
Cd	111	115	1	1.541	ug/l	5.00	4,955.51	9.247E-04	Pulse	0.25	3
Cd	111	115	2	0.693	ug/l	7.82	962.71	7.413E-04	Pulse	0.25	3
Sn	117	115	1	0.122	ug/l	26.52	526.70	9.795E-05	Pulse	0.10	3
Sn	118	115	1	0.129	ug/l	14.05	1,736.83	3.236E-04	Pulse	0.10	3
Sn	118	115	2	0.091	ug/l	57.06	456.69	3.517E-04	Pulse	0.10	3
Sn	119	115	1	0.100	ug/l	11.25	606.70	1.130E-04	Pulse	0.10	3
Sb	121	159	1	0.316	ug/l	6.22	4,994.34	5.729E-04	Pulse	0.10	3
Ba	137	159	1	0.207	ug/l	27.93	1,750.17	2.006E-04	Pulse	0.10	3
Tl	205	209	1	0.048	ug/l	18.82	2,587.00	5.379E-04	Pulse	0.10	3
Pb	208	209	1	0.137	ug/l	3.23	5,707.35	1.187E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,933,288.85	2.07	90.4	Analog	0.10	3
1	Sc	45	3,533,128.91	2.23	97.6	Analog	0.10	3
2	Sc	45	180,768.68	1.20	102.8	Pulse	0.10	3
3	Sc	45	355,531.12	0.47	96.7	Pulse	0.10	3
1	Ge	72	707,307.20	1.80	92.4	Pulse	0.10	3
2	Ge	72	113,450.39	1.98	98.7	Pulse	0.10	3
3	Ge	72	172,224.94	0.37	93.1	Pulse	0.10	3
1	Rh	103	4,681,285.24	1.66	85.6	Analog	0.10	3
2	Rh	103	2,836,043.71	0.36	89.3	Analog	0.10	3
1	In	115	5,362,613.63	2.52	89.7	Analog	0.10	3
2	In	115	1,298,801.82	0.34	93.0	Pulse	0.10	3
1	Tb	159	8,713,811.75	1.80	90.2	Analog	0.10	3
2	Tb	159	4,994,329.82	1.25	90.1	Analog	0.10	3
1	Ho	165	8,379,335.92	1.41	89.9	Analog	0.10	3
2	Ho	165	4,921,233.47	0.34	90.1	Analog	0.10	3
1	Bi	209	4,808,268.57	0.76	84.1	Analog	0.10	3
2	Bi	209	3,183,914.54	0.39	82.3	Analog	0.10	3

Quantitation Report

File Name	019SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 22:45
Sample Name	ICSAB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.003	ug/l	-49.02	14.67	8.065E-06	Pulse	0.25	3
B	11	6	1	0.456	ug/l	13.83	3,562.70	1.962E-03	Pulse	0.15	3
Na	23	45	1	91564.525	ug/l	0.86	1,267,474,807.78	3.667E+02	Analog	0.10	3
Na	23	45	2	95051.051	ug/l	0.78	50,024,335.92	2.832E+02	Analog	0.20	3
Mg	24	45	1	93209.253	ug/l	1.42	859,481,027.19	2.487E+02	Analog	0.10	3
Mg	24	45	2	94979.506	ug/l	1.48	25,397,045.45	1.438E+02	Analog	0.20	3
Al	27	45	1	91721.936	ug/l	0.56	1,118,236,276.67	3.236E+02	Analog	0.10	3
Al	27	45	2	93305.760	ug/l	1.24	8,989,289.66	5.090E+01	Analog	0.20	3
K	39	45	1	93616.254	ug/l	0.56	1,541,650,483.69	4.461E+02	Analog	0.10	3
K	39	45	2	94384.003	ug/l	0.69	23,605,937.15	1.336E+02	Analog	0.20	3
Ca	43	45	1	96789.450	ug/l	0.93	3,236,321.78	9.364E-01	Analog	1.50	3
Ca	43	45	2	96362.115	ug/l	1.05	75,632.39	4.282E-01	Pulse	1.50	3
Ca	44	45	1	96489.809	ug/l	0.74	52,611,124.21	1.522E+01	Analog	0.10	3
Ca	44	45	2	95179.602	ug/l	1.28	1,322,399.46	7.487E+00	Mix	0.20	3
Ti	47	45	1	1884.304	ug/l	1.08	3,036,578.18	8.785E-01	Analog	0.10	3
Ti	47	45	2	1780.499	ug/l	1.49	185,182.41	1.048E+00	Pulse	0.20	3
V	51	45	2	0.167	ug/l	3.51	835.04	4.727E-03	Pulse	0.20	3
Cr	52	45	2	19.652	ug/l	0.70	81,449.50	4.611E-01	Pulse	0.20	3
Mn	55	45	2	18.830	ug/l	1.29	41,895.17	2.372E-01	Pulse	0.20	3
Fe	56	45	2	95412.211	ug/l	1.27	299,152,388.88	1.694E+03	Analog	0.20	3
Co	59	45	2	17.677	ug/l	1.28	113,819.75	6.444E-01	Pulse	0.20	3
Ni	60	45	2	17.506	ug/l	1.70	30,049.47	1.701E-01	Pulse	0.20	3
Cu	63	45	2	17.067	ug/l	1.57	78,348.05	4.436E-01	Pulse	0.20	3
Cu	65	45	2	17.187	ug/l	2.72	38,882.95	2.202E-01	Pulse	0.20	3
Zn	66	45	2	18.428	ug/l	2.67	14,428.20	8.169E-02	Pulse	0.20	3
As	75	45	2	19.400	ug/l	0.12	9,262.68	5.244E-02	Pulse	0.50	3
Se	78	45	2	0.046	ug/l	281.59	17.67	9.980E-05	Pulse	1.00	3
Se	78	45	3	0.035	ug/l	85.85	7.67	2.110E-05	Pulse	1.00	3
Sr	88	45	1	0.322	ug/l	4.75	12,642.05	3.657E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1987.926	ug/l	2.10	11,723,988.57	2.471E+00	Analog	0.10	3
Ag	107	115	1	18.037	ug/l	0.45	259,249.31	4.672E-02	Pulse	0.10	3
Cd	111	115	1	20.025	ug/l	1.40	66,399.79	1.196E-02	Pulse	0.25	3
Cd	111	115	2	18.709	ug/l	1.23	25,656.97	1.989E-02	Pulse	0.25	3
Sn	117	115	1	0.108	ug/l	22.89	500.03	9.005E-05	Pulse	0.10	3
Sn	118	115	1	0.128	ug/l	14.02	1,790.18	3.224E-04	Pulse	0.10	3
Sn	118	115	2	0.105	ug/l	58.06	500.03	3.868E-04	Pulse	0.10	3
Sn	119	115	1	0.102	ug/l	9.19	633.38	1.141E-04	Pulse	0.10	3
Sb	121	159	1	0.323	ug/l	11.00	5,294.43	5.808E-04	Pulse	0.10	3
Ba	137	159	1	0.218	ug/l	9.11	1,886.85	2.070E-04	Pulse	0.10	3
Tl	205	209	1	0.018	ug/l	37.26	1,846.85	3.665E-04	Pulse	0.10	3
Pb	208	209	1	0.132	ug/l	1.23	5,804.04	1.153E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,815,920.45	1.09	84.9	Analog	0.10	3
1	Sc	45	3,456,183.18	1.72	95.4	Analog	0.10	3
2	Sc	45	176,638.92	1.14	100.5	Pulse	0.10	3
3	Sc	45	363,060.82	1.35	98.8	Pulse	0.10	3
1	Ge	72	712,775.25	1.60	93.1	Pulse	0.10	3
2	Ge	72	113,100.45	1.52	98.4	Pulse	0.10	3
3	Ge	72	176,645.41	1.83	95.5	Pulse	0.10	3
1	Rh	103	4,744,795.24	1.14	86.7	Analog	0.10	3
2	Rh	103	2,843,742.67	0.06	89.5	Analog	0.10	3
1	In	115	5,549,348.82	1.08	92.9	Analog	0.10	3
2	In	115	1,290,103.01	0.88	92.4	Pulse	0.10	3
1	Tb	159	9,120,383.20	1.20	94.4	Analog	0.10	3
2	Tb	159	5,118,510.55	0.65	92.4	Analog	0.10	3
1	Ho	165	8,800,680.91	1.69	94.5	Analog	0.10	3
2	Ho	165	5,070,513.47	0.18	92.8	Analog	0.10	3
1	Bi	209	5,035,562.94	1.26	88.1	Analog	0.10	3
2	Bi	209	3,295,988.80	0.68	85.2	Analog	0.10	3

Quantitation Report

File Name	020SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 22:50
Sample Name	mp68732-mb1conf
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.022	ug/l	-39.89	10.67	5.393E-06	Pulse	0.25	3
B	11	6	1	0.776	ug/l	64.93	2,915.95	1.476E-03	Pulse	0.15	3
Na	23	45	1	19.170	ug/l	7.60	219,709.69	6.243E-02	Pulse	0.10	3
Na	23	45	2	27.323	ug/l	7.70	9,589.57	5.452E-02	Pulse	0.20	3
Mg	24	45	1	10.125	ug/l	2.51	21,070.49	5.987E-03	Pulse	0.10	3
Mg	24	45	2	10.496	ug/l	15.18	635.02	3.608E-03	Pulse	0.20	3
Al	27	45	1	19.986	ug/l	4.22	54,492.62	1.549E-02	Pulse	0.10	3
Al	27	45	2	20.132	ug/l	10.89	415.02	2.358E-03	Pulse	0.20	3
K	39	45	1	3.408	ug/l	111.89	997,508.06	2.834E-01	Pulse	0.10	3
K	39	45	2	24.842	ug/l	7.13	8,072.11	4.589E-02	Pulse	0.20	3
Ca	43	45	1	19.755	ug/l	22.04	258.23	7.340E-05	Pulse	1.50	3
Ca	43	45	2	38.599	ug/l	64.41	8.22	4.693E-05	Pulse	1.50	3
Ca	44	45	1	16.052	ug/l	26.27	5,174.34	1.470E-03	Pulse	0.10	3
Ca	44	45	2	19.799	ug/l	42.88	91.67	5.202E-04	Pulse	0.20	3
Ti	47	45	1	0.956	ug/l	14.25	383.35	1.089E-04	Pulse	0.10	3
Ti	47	45	2	1.372	ug/l	45.47	33.33	1.899E-04	Pulse	0.20	3
V	51	45	2	-0.223	ug/l	-35.94	170.01	9.640E-04	Pulse	0.20	3
Cr	52	45	2	1.889	ug/l	11.03	2,671.94	1.519E-02	Pulse	0.20	3
Mn	55	45	2	0.076	ug/l	116.55	96.67	5.517E-04	Pulse	0.20	3
Fe	56	45	2	57.705	ug/l	0.78	38,864.38	2.210E-01	Pulse	0.20	3
Co	59	45	2	0.024	ug/l	94.23	46.67	2.648E-04	Pulse	0.20	3
Ni	60	45	2	-0.156	ug/l	-92.64	165.00	9.374E-04	Pulse	0.20	3
Cu	63	45	2	1.960	ug/l	5.91	2,045.17	1.162E-02	Pulse	0.20	3
Cu	65	45	2	1.747	ug/l	4.37	910.04	5.173E-03	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	2.311	ug/l	15.82	653.36	3.712E-03	Pulse	0.20	3
As	75	45	2	0.089	ug/l	28.08	20.67	1.175E-04	Pulse	0.50	3
Se	78	45	2	-0.344	ug/l	-232.62	12.67	7.228E-05	Pulse	1.00	3
Se	78	45	3	0.147	ug/l	43.63	7.00	1.880E-05	Pulse	1.00	3
Sr	88	45	1	0.033	ug/l	24.91	843.39	2.395E-04	Pulse	0.10	3
Mo	95	103	1	3.988	ug/l	3.72	5,617.88	1.011E-03	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	1485.00	133.34	2.171E-05	Pulse	0.10	3
Cd	111	115	1	-0.012	ug/l	-70.33	18.67	3.044E-06	Pulse	0.25	3
Cd	111	115	2	-0.005	ug/l	-438.54	5.33	3.807E-06	Pulse	0.25	3
Sn	117	115	1	8.339	ug/l	2.85	6,064.76	9.882E-04	Pulse	0.10	3
Sn	118	115	1	8.539	ug/l	1.43	20,096.90	3.275E-03	Pulse	0.10	3
Sn	118	115	2	8.511	ug/l	0.47	5,861.33	4.219E-03	Pulse	0.10	3
Sn	119	115	1	8.804	ug/l	2.70	7,595.46	1.238E-03	Pulse	0.10	3
Sb	121	159	1	0.288	ug/l	33.92	2,637.00	2.645E-04	Pulse	0.10	3
Ba	137	159	1	0.271	ug/l	23.20	1,113.42	1.117E-04	Pulse	0.10	3
Tl	205	209	1	0.017	ug/l	190.05	1,680.17	2.849E-04	Pulse	0.10	3
Pb	208	209	1	0.135	ug/l	5.10	1,990.15	3.375E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,975,624.58	0.30	92.4	Analog	0.10	3
1	Sc	45	3,519,940.89	1.12	97.2	Analog	0.10	3
2	Sc	45	175,877.87	1.42	100.0	Pulse	0.10	3
3	Sc	45	372,651.39	0.36	101.4	Pulse	0.10	3
1	Ge	72	755,124.65	0.18	98.6	Pulse	0.10	3
2	Ge	72	115,726.78	1.00	100.7	Pulse	0.10	3
3	Ge	72	195,122.04	0.96	105.4	Pulse	0.10	3
1	Rh	103	5,558,022.83	0.25	101.6	Analog	0.10	3
2	Rh	103	3,267,963.39	0.42	102.9	Analog	0.10	3
1	In	115	6,136,863.13	0.48	102.7	Analog	0.10	3
2	In	115	1,389,225.00	1.14	99.5	Mix	0.10	3
1	Tb	159	9,972,887.56	0.72	103.2	Analog	0.10	3
2	Tb	159	5,629,328.04	0.35	101.6	Analog	0.10	3
1	Ho	165	9,686,526.94	0.40	104.0	Analog	0.10	3
2	Ho	165	5,561,347.42	0.24	101.8	Analog	0.10	3
1	Bi	209	5,896,841.37	0.18	103.2	Analog	0.10	3
2	Bi	209	3,907,008.80	0.34	101.0	Analog	0.10	3

Quantitation Report

File Name	021SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 22:56
Sample Name	mp68732-b1conf 2
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	98.664	ug/l	1.83	13,943.19	7.082E-03	Pulse	0.25	3
B	11	6	1	9.581	ug/l	20.83	3,631.60	1.845E-03	Pulse	0.15	3
Na	23	45	1	146.524	ug/l	0.99	246,524.03	7.054E-02	Pulse	0.10	3
Na	23	45	2	197.125	ug/l	8.60	10,538.50	6.173E-02	Pulse	0.20	3
Mg	24	45	1	75.108	ug/l	2.62	30,054.38	8.600E-03	Pulse	0.10	3
Mg	24	45	2	73.488	ug/l	6.92	833.37	4.880E-03	Pulse	0.20	3
Al	27	45	1	4050.429	ug/l	0.15	2,002,150.91	5.729E-01	Analog	0.10	3
Al	27	45	2	3872.900	ug/l	1.65	14,454.78	8.466E-02	Pulse	0.20	3
K	39	45	1	162.975	ug/l	5.99	1,087,531.23	3.112E-01	Pulse	0.10	3
K	39	45	2	266.075	ug/l	10.92	9,207.72	5.392E-02	Pulse	0.20	3
Ca	43	45	1	334.743	ug/l	3.27	575.57	1.647E-04	Pulse	1.50	3
Ca	43	45	2	383.086	ug/l	74.58	13.78	8.071E-05	Pulse	1.50	3
Ca	44	45	1	330.535	ug/l	10.11	10,660.47	3.049E-03	Pulse	0.10	3
Ca	44	45	2	318.215	ug/l	20.10	206.67	1.210E-03	Pulse	0.20	3
Ti	47	45	1	7.843	ug/l	12.70	580.03	1.660E-04	Pulse	0.10	3
Ti	47	45	2	3.768	ug/l	32.80	20.00	1.171E-04	Pulse	0.20	3
V	51	45	2	999.187	ug/l	0.80	121,781.16	7.133E-01	Pulse	0.20	3
Cr	52	45	2	423.381	ug/l	2.56	67,999.08	3.983E-01	Pulse	0.20	3
Mn	55	45	2	987.933	ug/l	0.33	84,910.26	4.973E-01	Pulse	0.20	3
Fe	56	45	2	2990.382	ug/l	0.61	365,289.23	2.139E+00	Pulse	0.20	3
Co	59	45	2	978.153	ug/l	0.85	243,513.00	1.426E+00	Pulse	0.20	3
Ni	60	45	2	985.376	ug/l	1.53	65,123.40	3.814E-01	Pulse	0.20	3
Cu	63	45	2	503.215	ug/l	2.61	89,276.53	5.229E-01	Pulse	0.20	3
Cu	65	45	2	503.857	ug/l	2.64	44,059.31	2.581E-01	Pulse	0.20	3
Zn	66	45	2	1065.199	ug/l	1.91	31,867.99	1.867E-01	Pulse	0.20	3
As	75	45	2	4125.614	ug/l	0.55	76,070.60	4.455E-01	Pulse	0.50	3
Se	78	45	2	4264.344	ug/l	1.47	6,991.19	4.095E-02	Pulse	1.00	3
Se	78	45	3	4197.563	ug/l	1.48	26,470.08	7.098E-02	Pulse	1.00	3
Sr	88	45	1	0.756	ug/l	13.52	1,733.49	4.958E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	21.231	ug/l	4.82	5,951.36	1.075E-03	Pulse	0.10	3
Ag	107	115	1	104.112	ug/l	1.19	66,423.36	1.080E-02	Pulse	0.10	3
Cd	111	115	1	102.497	ug/l	0.94	15,083.37	2.453E-03	Pulse	0.25	3
Cd	111	115	2	104.288	ug/l	1.26	6,150.61	4.438E-03	Pulse	0.25	3
Sn	117	115	1	29.536	ug/l	0.66	4,354.09	7.082E-04	Pulse	0.10	3
Sn	118	115	1	31.737	ug/l	1.93	15,098.84	2.456E-03	Pulse	0.10	3
Sn	118	115	2	28.241	ug/l	12.12	3,940.68	2.845E-03	Pulse	0.10	3
Sn	119	115	1	29.983	ug/l	4.03	5,271.10	8.573E-04	Pulse	0.10	3
Sb	121	159	1	1167.333	ug/l	0.69	557,272.85	5.590E-02	Pulse	0.10	3
Ba	137	159	1	4021.682	ug/l	0.88	933,687.54	9.366E-02	Pulse	0.10	3
Tl	205	209	1	3781.261	ug/l	1.09	5,086,603.67	8.518E-01	Analog	0.10	3
Pb	208	209	1	998.599	ug/l	0.58	1,844,091.96	3.088E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,969,100.69	0.72	92.1	Analog	0.10	3
1	Sc	45	3,494,620.47	0.85	96.5	Analog	0.10	3
2	Sc	45	170,739.54	0.39	97.1	Pulse	0.10	3
3	Sc	45	372,930.18	0.98	101.4	Pulse	0.10	3
1	Ge	72	749,740.51	0.60	97.9	Pulse	0.10	3
2	Ge	72	114,923.81	1.73	100.0	Pulse	0.10	3
3	Ge	72	190,294.33	2.07	102.8	Pulse	0.10	3
1	Rh	103	5,535,154.71	0.82	101.2	Analog	0.10	3
2	Rh	103	3,239,715.06	0.30	102.0	Analog	0.10	3
1	In	115	6,148,558.94	0.50	102.9	Analog	0.10	3
2	In	115	1,385,814.24	0.81	99.2	Mix	0.10	3
1	Tb	159	9,969,472.98	0.30	103.2	Analog	0.10	3
2	Tb	159	5,571,353.46	0.34	100.5	Analog	0.10	3
1	Ho	165	9,627,390.07	0.17	103.3	Analog	0.10	3
2	Ho	165	5,548,979.71	0.67	101.6	Analog	0.10	3
1	Bi	209	5,971,491.37	0.75	104.5	Analog	0.10	3
2	Bi	209	3,922,219.52	0.45	101.4	Analog	0.10	3

Quantitation Report

File Name	022SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 23:01
Sample Name	mp68732-s1
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	135.715	ug/l	2.12	18,399.41	9.736E-03	Pulse	0.25	3
B	11	6	1	50.014	ug/l	3.21	8,428.96	4.460E-03	Pulse	0.15	3
Na	23	45	1	2694.890	ug/l	1.08	1,774,585.96	4.787E-01	Analog	0.10	3
Na	23	45	2	2614.393	ug/l	1.10	66,432.87	3.498E-01	Pulse	0.20	3
Mg	24	45	1	100497.636	ug/l	0.83	39,759,989.41	1.073E+01	Analog	0.10	3
Mg	24	45	2	93381.497	ug/l	0.70	1,074,158.94	5.655E+00	Pulse	0.20	3
Al	27	45	1	438508.716	ug/l	0.47	229,375,703.25	6.188E+01	Analog	0.10	3
Al	27	45	2	408995.045	ug/l	0.24	1,694,914.09	8.924E+00	Analog	0.20	3
K	39	45	1	73429.680	ug/l	1.02	52,884,689.21	1.427E+01	Analog	0.10	3
K	39	45	2	68536.032	ug/l	0.47	744,427.80	3.920E+00	Pulse	0.20	3
Ca	43	45	1	12590.801	ug/l	0.84	18,191.41	4.907E-03	Pulse	1.50	3
Ca	43	45	2	14136.398	ug/l	3.11	479.57	2.525E-03	Pulse	1.50	3
Ca	44	45	1	12427.305	ug/l	0.30	294,247.04	7.938E-02	Pulse	0.10	3
Ca	44	45	2	12461.527	ug/l	2.21	7,486.83	3.942E-02	Pulse	0.20	3
Ti	47	45	1	8560.611	ug/l	0.23	591,868.24	1.597E-01	Pulse	0.10	3
Ti	47	45	2	8034.866	ug/l	1.82	35,950.88	1.893E-01	Pulse	0.20	3
V	51	45	2	1641.612	ug/l	0.82	222,365.50	1.171E+00	Pulse	0.20	3
Cr	52	45	2	1028.813	ug/l	0.96	182,076.71	9.586E-01	Pulse	0.20	3
Mn	55	45	2	4152.829	ug/l	0.94	396,839.29	2.089E+00	Pulse	0.20	3
Fe	56	45	2	366795.333	ug/l	0.46	49,470,319.26	2.605E+02	Analog	0.20	3
Co	59	45	2	1088.289	ug/l	0.71	301,394.53	1.587E+00	Pulse	0.20	3
Ni	60	45	2	1294.298	ug/l	0.82	95,086.00	5.006E-01	Pulse	0.20	3
Cu	63	45	2	596.898	ug/l	1.41	117,761.63	6.200E-01	Pulse	0.20	3
Cu	65	45	2	598.243	ug/l	1.30	58,168.19	3.063E-01	Pulse	0.20	3
Zn	66	45	2	1648.576	ug/l	0.63	54,689.47	2.879E-01	Pulse	0.20	3
As	75	45	2	3965.649	ug/l	1.05	81,343.88	4.283E-01	Pulse	0.50	3
Se	78	45	2	3961.016	ug/l	2.84	7,224.62	3.804E-02	Pulse	1.00	3
Se	78	45	3	3902.289	ug/l	0.83	26,399.67	6.599E-02	Pulse	1.00	3
Sr	88	45	1	259.020	ug/l	1.01	417,390.40	1.126E-01	Pulse	0.10	3
Mo	95	103	1	3.728	ug/l	11.31	1,170.09	2.048E-04	Pulse	0.10	3
Ag	107	115	1	106.589	ug/l	1.84	69,855.00	1.106E-02	Pulse	0.10	3
Cd	111	115	1	110.126	ug/l	3.90	16,644.95	2.635E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	104.398	ug/l	1.77	6,345.35	4.443E-03	Pulse	0.25	3
Sn	117	115	1	41.684	ug/l	2.32	6,241.50	9.879E-04	Pulse	0.10	3
Sn	118	115	1	40.827	ug/l	1.79	19,806.59	3.135E-03	Pulse	0.10	3
Sn	118	115	2	40.701	ug/l	2.75	5,771.28	4.041E-03	Pulse	0.10	3
Sn	119	115	1	42.449	ug/l	0.47	7,548.85	1.195E-03	Pulse	0.10	3
Sb	121	159	1	604.707	ug/l	0.37	299,259.54	2.905E-02	Pulse	0.10	3
Ba	137	159	1	7259.756	ug/l	0.69	1,740,916.38	1.690E-01	Analog	0.10	3
Tl	205	209	1	4027.515	ug/l	1.26	5,444,409.71	9.072E-01	Analog	0.10	3
Pb	208	209	1	1361.499	ug/l	0.62	2,526,405.16	4.210E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,889,827.69	0.16	88.4	Analog	0.10	3
1	Sc	45	3,706,918.59	0.44	102.4	Analog	0.10	3
2	Sc	45	189,929.61	0.69	108.0	Pulse	0.10	3
3	Sc	45	400,042.47	0.11	108.8	Pulse	0.10	3
1	Ge	72	787,099.68	0.55	102.8	Pulse	0.10	3
2	Ge	72	121,965.33	0.70	106.1	Pulse	0.10	3
3	Ge	72	197,392.55	0.61	106.7	Pulse	0.10	3
1	Rh	103	5,711,471.17	0.20	104.4	Analog	0.10	3
2	Rh	103	3,339,587.66	0.27	105.1	Analog	0.10	3
1	In	115	6,317,063.66	0.82	105.7	Analog	0.10	3
2	In	115	1,428,231.00	0.68	102.3	Analog	0.10	3
1	Tb	159	10,301,368.81	0.19	106.6	Analog	0.10	3
2	Tb	159	5,781,348.66	0.27	104.3	Analog	0.10	3
1	Ho	165	9,913,074.85	0.80	106.4	Analog	0.10	3
2	Ho	165	5,717,472.21	0.18	104.6	Analog	0.10	3
1	Bi	209	6,000,899.08	0.47	105.0	Analog	0.10	3
2	Bi	209	3,942,956.19	0.60	102.0	Analog	0.10	3

Quantitation Report

File Name	023SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 23:06
Sample Name	mp68732-s2
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	126.747	ug/l	3.48	17,515.83	9.094E-03	Pulse	0.25	3
B	11	6	1	44.184	ug/l	5.74	7,866.47	4.083E-03	Pulse	0.15	3
Na	23	45	1	2365.260	ug/l	1.36	1,570,347.79	4.259E-01	Analog	0.10	3
Na	23	45	2	2317.351	ug/l	0.99	57,821.22	3.144E-01	Pulse	0.20	3
Mg	24	45	1	95641.029	ug/l	0.37	37,634,046.11	1.021E+01	Analog	0.10	3
Mg	24	45	2	89880.554	ug/l	1.32	1,001,127.25	5.443E+00	Pulse	0.20	3
Al	27	45	1	407645.481	ug/l	0.34	212,080,790.17	5.752E+01	Analog	0.10	3
Al	27	45	2	389011.004	ug/l	0.36	1,561,046.28	8.488E+00	Analog	0.20	3
K	39	45	1	70950.725	ug/l	1.48	50,857,305.91	1.379E+01	Analog	0.10	3
K	39	45	2	66482.774	ug/l	0.48	699,482.33	3.803E+00	Pulse	0.20	3
Ca	43	45	1	9778.026	ug/l	1.48	14,080.13	3.819E-03	Pulse	1.50	3
Ca	43	45	2	11077.576	ug/l	2.23	364.45	1.982E-03	Pulse	1.50	3
Ca	44	45	1	9690.058	ug/l	0.78	228,979.42	6.211E-02	Pulse	0.10	3
Ca	44	45	2	9869.345	ug/l	4.30	5,749.44	3.126E-02	Pulse	0.20	3
Ti	47	45	1	8282.101	ug/l	1.41	569,513.87	1.545E-01	Pulse	0.10	3
Ti	47	45	2	7796.693	ug/l	0.92	33,779.60	1.837E-01	Pulse	0.20	3
V	51	45	2	1582.459	ug/l	0.39	207,568.08	1.129E+00	Pulse	0.20	3
Cr	52	45	2	1011.320	ug/l	0.97	173,325.57	9.424E-01	Pulse	0.20	3
Mn	55	45	2	3973.659	ug/l	1.18	367,680.97	1.999E+00	Pulse	0.20	3
Fe	56	45	2	356797.938	ug/l	0.67	46,597,924.31	2.534E+02	Analog	0.20	3
Co	59	45	2	1049.044	ug/l	0.93	281,318.54	1.530E+00	Pulse	0.20	3
Ni	60	45	2	1240.467	ug/l	0.76	88,251.66	4.799E-01	Pulse	0.20	3
Cu	63	45	2	577.419	ug/l	0.92	110,312.65	5.998E-01	Pulse	0.20	3
Cu	65	45	2	579.828	ug/l	1.29	54,597.48	2.969E-01	Pulse	0.20	3
Zn	66	45	2	1644.674	ug/l	2.31	52,831.98	2.873E-01	Pulse	0.20	3
As	75	45	2	3863.406	ug/l	1.14	76,733.02	4.172E-01	Pulse	0.50	3
Se	78	45	2	3984.040	ug/l	1.43	7,036.53	3.826E-02	Pulse	1.00	3
Se	78	45	3	3833.485	ug/l	0.66	25,269.85	6.483E-02	Pulse	1.00	3
Sr	88	45	1	222.851	ug/l	1.03	357,259.40	9.690E-02	Pulse	0.10	3
Mo	95	103	1	2.713	ug/l	14.02	870.06	1.543E-04	Pulse	0.10	3
Ag	107	115	1	101.715	ug/l	2.58	65,854.06	1.055E-02	Pulse	0.10	3
Cd	111	115	1	105.757	ug/l	0.90	15,793.42	2.531E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	101.541	ug/l	1.54	6,023.90	4.321E-03	Pulse	0.25	3
Sn	117	115	1	39.737	ug/l	2.26	5,884.66	9.431E-04	Pulse	0.10	3
Sn	118	115	1	38.466	ug/l	1.57	18,461.59	2.959E-03	Pulse	0.10	3
Sn	118	115	2	33.228	ug/l	1.73	4,634.20	3.324E-03	Pulse	0.10	3
Sn	119	115	1	40.883	ug/l	2.64	7,191.98	1.153E-03	Pulse	0.10	3
Sb	121	159	1	554.910	ug/l	0.88	272,114.85	2.667E-02	Pulse	0.10	3
Ba	137	159	1	6969.468	ug/l	0.19	1,655,134.66	1.622E-01	Analog	0.10	3
Tl	205	209	1	3896.697	ug/l	1.69	5,244,411.38	8.778E-01	Analog	0.10	3
Pb	208	209	1	1309.606	ug/l	0.50	2,419,425.48	4.050E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,926,678.38	1.16	90.1	Analog	0.10	3
1	Sc	45	3,686,951.82	0.36	101.8	Analog	0.10	3
2	Sc	45	183,913.79	0.12	104.6	Pulse	0.10	3
3	Sc	45	389,804.41	0.66	106.0	Pulse	0.10	3
1	Ge	72	778,696.34	0.86	101.7	Pulse	0.10	3
2	Ge	72	119,127.08	1.27	103.7	Pulse	0.10	3
3	Ge	72	193,368.17	0.89	104.5	Pulse	0.10	3
1	Rh	103	5,638,427.63	0.30	103.1	Analog	0.10	3
2	Rh	103	3,273,719.74	0.93	103.0	Analog	0.10	3
1	In	115	6,239,707.28	0.23	104.4	Analog	0.10	3
2	In	115	1,394,118.49	1.18	99.8	Mix	0.10	3
1	Tb	159	10,201,434.22	0.39	105.6	Analog	0.10	3
2	Tb	159	5,622,412.21	0.60	101.4	Analog	0.10	3
1	Ho	165	9,832,771.52	0.74	105.6	Analog	0.10	3
2	Ho	165	5,590,737.21	0.27	102.3	Analog	0.10	3
1	Bi	209	5,974,304.29	0.45	104.5	Analog	0.10	3
2	Bi	209	3,880,957.44	0.51	100.4	Analog	0.10	3

Quantitation Report

File Name	024SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 23:11
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.001	ug/l	-146.85	21.33	1.104E-05	Pulse	0.25	3
B	11	6	1	-0.018	ug/l	-88.56	2,309.13	1.196E-03	Pulse	0.15	3
Na	23	45	1	-1.798	ug/l	-5.03	134,806.03	3.987E-02	Pulse	0.10	3
Na	23	45	2	-0.328	ug/l	-81.03	6,191.25	3.726E-02	Pulse	0.20	3
Mg	24	45	1	0.253	ug/l	20.69	4,254.03	1.258E-03	Pulse	0.10	3
Mg	24	45	2	0.067	ug/l	36.30	88.33	5.316E-04	Pulse	0.20	3
Al	27	45	1	0.378	ug/l	9.66	9,186.20	2.717E-03	Pulse	0.10	3
Al	27	45	2	0.349	ug/l	49.43	58.33	3.514E-04	Pulse	0.20	3
K	39	45	1	-1.045	ug/l	-22.74	930,411.00	2.752E-01	Pulse	0.10	3
K	39	45	2	2.017	ug/l	32.82	6,931.57	4.171E-02	Pulse	0.20	3
Ca	43	45	1	-0.782	ug/l	-23.01	93.33	2.761E-05	Pulse	1.50	3
Ca	43	45	2	-1.328	ug/l	-79.33	1.11	6.720E-06	Pulse	1.50	3
Ca	44	45	1	-1.959	ug/l	-14.72	2,213.57	6.547E-04	Pulse	0.10	3
Ca	44	45	2	-1.250	ug/l	-35.80	18.33	1.104E-04	Pulse	0.20	3
Ti	47	45	1	0.036	ug/l	71.34	123.34	3.648E-05	Pulse	0.10	3
Ti	47	45	2	0.037	ug/l	157.92	8.33	4.991E-05	Pulse	0.20	3
V	51	45	2	-0.022	ug/l	-17.36	228.34	1.374E-03	Pulse	0.20	3
Cr	52	45	2	0.299	ug/l	4.96	2,221.85	1.337E-02	Pulse	0.20	3
Mn	55	45	2	-0.013	ug/l	-66.98	33.33	2.013E-04	Pulse	0.20	3
Fe	56	45	2	1.885	ug/l	3.67	8,237.23	4.957E-02	Pulse	0.20	3
Co	59	45	2	-0.001	ug/l	-106.13	10.00	6.037E-05	Pulse	0.20	3
Ni	60	45	2	-0.020	ug/l	-114.26	173.34	1.042E-03	Pulse	0.20	3
Cu	63	45	2	-0.016	ug/l	-24.32	173.34	1.042E-03	Pulse	0.20	3
Cu	65	45	2	-0.022	ug/l	-36.25	71.67	4.307E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.294	ug/l	-10.13	71.67	4.319E-04	Pulse	0.20	3
As	75	45	2	0.034	ug/l	49.30	26.67	1.603E-04	Pulse	0.50	3
Se	78	45	2	-0.027	ug/l	-142.28	13.67	8.224E-05	Pulse	1.00	3
Se	78	45	3	0.130	ug/l	17.16	22.33	6.138E-05	Pulse	1.00	3
Sr	88	45	1	-0.003	ug/l	-76.92	443.36	1.311E-04	Pulse	0.10	3
Mo	95	103	1	0.042	ug/l	39.91	390.02	7.216E-05	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	426.83	136.67	2.273E-05	Pulse	0.10	3
Cd	111	115	1	-0.003	ug/l	-102.55	17.33	2.872E-06	Pulse	0.25	3
Cd	111	115	2	-0.002	ug/l	-0.92	4.00	2.976E-06	Pulse	0.25	3
Sn	117	115	1	0.013	ug/l	82.21	213.34	3.548E-05	Pulse	0.10	3
Sn	118	115	1	0.005	ug/l	165.72	550.03	9.137E-05	Pulse	0.10	3
Sn	118	115	2	0.008	ug/l	297.82	206.68	1.539E-04	Pulse	0.10	3
Sn	119	115	1	0.031	ug/l	45.63	400.02	6.636E-05	Pulse	0.10	3
Sb	121	159	1	0.008	ug/l	174.64	2,013.54	2.048E-04	Pulse	0.10	3
Ba	137	159	1	0.033	ug/l	80.41	976.74	9.915E-05	Pulse	0.10	3
Tl	205	209	1	0.419	ug/l	2.78	15,341.93	2.626E-03	Pulse	0.10	3
Pb	208	209	1	0.000	ug/l	549.68	770.04	1.318E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,929,887.52	1.25	90.3	Analog	0.10	3
1	Sc	45	3,380,914.84	0.04	93.4	Analog	0.10	3
2	Sc	45	166,194.09	1.03	94.5	Pulse	0.10	3
3	Sc	45	363,717.91	0.43	98.9	Pulse	0.10	3
1	Ge	72	738,191.03	0.77	96.4	Pulse	0.10	3
2	Ge	72	111,265.22	1.56	96.8	Pulse	0.10	3
3	Ge	72	185,171.61	0.93	100.1	Pulse	0.10	3
1	Rh	103	5,407,612.83	0.69	98.8	Analog	0.10	3
2	Rh	103	3,165,866.10	0.59	99.6	Analog	0.10	3
1	In	115	6,021,238.46	1.15	100.8	Analog	0.10	3
2	In	115	1,344,157.66	0.57	96.2	Pulse	0.10	3
1	Tb	159	9,837,466.52	1.49	101.8	Analog	0.10	3
2	Tb	159	5,461,954.29	0.53	98.6	Analog	0.10	3
1	Ho	165	9,496,955.48	0.54	101.9	Analog	0.10	3
2	Ho	165	5,458,477.42	1.40	99.9	Analog	0.10	3
1	Bi	209	5,843,442.62	1.22	102.2	Analog	0.10	3
2	Bi	209	3,876,159.84	0.51	100.2	Analog	0.10	3

Quantitation Report

File Name	025SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 23:16
Sample Name	f99818-1
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	15.643	ug/l	4.25	5,039.49	2.815E-03	Pulse	0.25	3
B	11	6	1	20.716	ug/l	3.01	8,193.30	4.575E-03	Pulse	0.15	3
Na	23	45	1	2015.878	ug/l	1.50	3,082,713.39	8.543E-01	Analog	0.10	3
Na	23	45	2	2131.700	ug/l	0.83	121,687.85	6.733E-01	Pulse	0.20	3
Mg	24	45	1	78764.037	ug/l	0.71	75,831,283.87	2.101E+01	Analog	0.10	3
Mg	24	45	2	81007.787	ug/l	0.41	2,216,634.19	1.226E+01	Analog	0.20	3
Al	27	45	1	299085.150	ug/l	0.51	380,721,140.99	1.055E+02	Analog	0.10	3
Al	27	45	2	305446.067	ug/l	0.47	3,011,236.41	1.666E+01	Analog	0.20	3
K	39	45	1	54165.014	ug/l	0.25	94,083,058.60	2.607E+01	Analog	0.10	3
K	39	45	2	52059.132	ug/l	0.45	1,338,881.18	7.408E+00	Analog	0.20	3
Ca	43	45	1	9008.444	ug/l	0.83	31,574.90	8.750E-03	Pulse	1.50	3
Ca	43	45	2	9714.301	ug/l	4.31	782.47	4.329E-03	Pulse	1.50	3
Ca	44	45	1	8838.618	ug/l	0.04	506,595.55	1.404E-01	Pulse	0.10	3
Ca	44	45	2	9436.587	ug/l	4.11	13,455.64	7.444E-02	Pulse	0.20	3
Ti	47	45	1	6110.225	ug/l	0.36	1,028,036.23	2.849E-01	Pulse	0.10	3
Ti	47	45	2	5869.192	ug/l	1.56	62,467.26	3.456E-01	Pulse	0.20	3
V	51	45	2	562.206	ug/l	1.15	181,201.37	1.003E+00	Pulse	0.20	3
Cr	52	45	2	539.424	ug/l	1.37	226,725.63	1.255E+00	Pulse	0.20	3
Mn	55	45	2	2784.856	ug/l	1.44	632,984.46	3.502E+00	Pulse	0.20	3
Fe	56	45	2	328000.583	ug/l	1.45	105,231,891.77	5.823E+02	Analog	0.20	3
Co	59	45	2	103.511	ug/l	1.35	68,205.86	3.774E-01	Pulse	0.20	3
Ni	60	45	2	295.596	ug/l	2.16	51,754.64	2.864E-01	Pulse	0.20	3
Cu	63	45	2	104.827	ug/l	1.79	49,344.36	2.730E-01	Pulse	0.20	3
Cu	65	45	2	106.095	ug/l	1.70	24,612.02	1.362E-01	Pulse	0.20	3
Zn	66	45	2	632.554	ug/l	1.63	49,929.41	2.763E-01	Pulse	0.20	3
As	75	45	2	50.008	ug/l	6.21	2,452.87	1.357E-02	Pulse	0.50	3
Se	78	45	2	16.403	ug/l	16.70	87.00	4.816E-04	Pulse	1.00	3
Se	78	45	3	4.051	ug/l	20.20	69.33	1.776E-04	Pulse	1.00	3
Sr	88	45	1	197.040	ug/l	0.18	772,184.83	2.140E-01	Pulse	0.10	3
Mo	95	103	1	1.824	ug/l	0.53	1,323.45	2.461E-04	Pulse	0.10	3
Ag	107	115	1	0.097	ug/l	26.91	280.02	4.625E-05	Pulse	0.10	3
Cd	111	115	1	0.131	ug/l	37.79	74.67	1.233E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.253	ug/l	60.93	42.67	3.165E-05	Pulse	0.25	3
Sn	117	115	1	36.244	ug/l	1.65	12,808.98	2.115E-03	Pulse	0.10	3
Sn	118	115	1	36.748	ug/l	1.82	42,107.32	6.952E-03	Pulse	0.10	3
Sn	118	115	2	36.013	ug/l	3.91	11,834.93	8.777E-03	Pulse	0.10	3
Sn	119	115	1	36.854	ug/l	6.18	15,391.47	2.541E-03	Pulse	0.10	3
Sb	121	159	1	1.051	ug/l	24.80	3,220.45	3.211E-04	Pulse	0.10	3
Ba	137	159	1	2137.216	ug/l	0.57	1,248,000.24	1.244E-01	Pulse	0.10	3
Tl	205	209	1	5.581	ug/l	0.25	19,867.26	3.408E-03	Pulse	0.10	3
Pb	208	209	1	263.057	ug/l	0.39	1,185,743.95	2.034E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,790,748.17	1.11	83.8	Analog	0.10	3
1	Sc	45	3,608,503.07	0.33	99.6	Analog	0.10	3
2	Sc	45	180,732.19	0.64	102.8	Pulse	0.10	3
3	Sc	45	391,136.24	1.46	106.4	Pulse	0.10	3
1	Ge	72	743,075.67	0.24	97.1	Pulse	0.10	3
2	Ge	72	116,636.55	1.11	101.5	Pulse	0.10	3
3	Ge	72	188,413.16	1.45	101.8	Pulse	0.10	3
1	Rh	103	5,376,738.67	1.10	98.3	Analog	0.10	3
2	Rh	103	3,117,234.23	0.29	98.1	Analog	0.10	3
1	In	115	6,056,728.12	0.37	101.4	Analog	0.10	3
2	In	115	1,348,342.67	0.07	96.5	Mix	0.10	3
1	Tb	159	10,032,043.19	0.52	103.8	Analog	0.10	3
2	Tb	159	5,582,189.71	0.39	100.7	Analog	0.10	3
1	Ho	165	9,759,515.69	0.39	104.8	Analog	0.10	3
2	Ho	165	5,506,275.96	0.11	100.8	Analog	0.10	3
1	Bi	209	5,828,955.74	0.44	102.0	Analog	0.10	3
2	Bi	209	3,825,337.65	0.10	98.9	Analog	0.10	3

Quantitation Report

File Name	026SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 23:21
Sample Name	mp68732-sd1
Sample Type	Sample
Comment	
Prep Dilution	50.000
Auto Dilution	N/A
Total Dilution	50.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	14.093	ug/l	6.58	1,062.72	5.179E-04	Pulse	0.25	3
B	11	6	1	5.726	ug/l	11.28	2,891.44	1.410E-03	Pulse	0.15	3
Na	23	45	1	2089.227	ug/l	1.29	798,953.14	2.144E-01	Pulse	0.10	3
Na	23	45	2	2181.975	ug/l	3.08	31,668.58	1.682E-01	Pulse	0.20	3
Mg	24	45	1	78859.722	ug/l	0.56	15,683,084.77	4.209E+00	Analog	0.10	3
Mg	24	45	2	76110.264	ug/l	0.87	433,904.20	2.305E+00	Pulse	0.20	3
Al	27	45	1	294637.517	ug/l	1.04	77,466,587.18	2.079E+01	Analog	0.10	3
Al	27	45	2	281549.413	ug/l	0.43	578,249.69	3.072E+00	Pulse	0.20	3
K	39	45	1	51894.275	ug/l	0.46	19,461,028.46	5.222E+00	Analog	0.10	3
K	39	45	2	48949.247	ug/l	0.31	268,200.64	1.425E+00	Pulse	0.20	3
Ca	43	45	1	8678.464	ug/l	2.00	6,388.34	1.714E-03	Pulse	1.50	3
Ca	43	45	2	9116.978	ug/l	3.18	154.89	8.229E-04	Pulse	1.50	3
Ca	44	45	1	8510.690	ug/l	0.85	103,649.19	2.781E-02	Pulse	0.10	3
Ca	44	45	2	8681.216	ug/l	1.39	2,610.25	1.387E-02	Pulse	0.20	3
Ti	47	45	1	5842.150	ug/l	0.33	203,074.87	5.449E-02	Pulse	0.10	3
Ti	47	45	2	5649.909	ug/l	0.24	12,531.63	6.657E-02	Pulse	0.20	3
V	51	45	2	532.966	ug/l	0.83	36,052.79	1.915E-01	Pulse	0.20	3
Cr	52	45	2	543.264	ug/l	2.59	48,531.47	2.578E-01	Pulse	0.20	3
Mn	55	45	2	2657.063	ug/l	0.79	125,875.12	6.686E-01	Pulse	0.20	3
Fe	56	45	2	308010.590	ug/l	0.81	20,588,550.11	1.094E+02	Analog	0.20	3
Co	59	45	2	98.443	ug/l	3.18	13,524.13	7.185E-02	Pulse	0.20	3
Ni	60	45	2	274.562	ug/l	5.39	10,204.99	5.421E-02	Pulse	0.20	3
Cu	63	45	2	103.126	ug/l	1.40	10,335.12	5.490E-02	Pulse	0.20	3
Cu	65	45	2	106.619	ug/l	1.63	5,259.28	2.794E-02	Pulse	0.20	3
Zn	66	45	2	612.838	ug/l	2.58	10,335.12	5.491E-02	Pulse	0.20	3
As	75	45	2	48.035	ug/l	3.90	501.34	2.663E-03	Pulse	0.50	3
Se	78	45	2	16.212	ug/l	6.53	31.33	1.664E-04	Pulse	1.00	3
Se	78	45	3	3.591	ug/l	79.07	14.67	3.671E-05	Pulse	1.00	3
Sr	88	45	1	183.164	ug/l	0.51	148,769.51	3.992E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	2.897	ug/l	20.45	526.70	9.149E-05	Pulse	0.10	3
Ag	107	115	1	0.010	ug/l	2552.10	136.67	2.159E-05	Pulse	0.10	3
Cd	111	115	1	0.189	ug/l	41.77	42.67	6.729E-06	Pulse	0.25	3
Cd	111	115	2	0.559	ug/l	80.44	24.00	1.667E-05	Pulse	0.25	3
Sn	117	115	1	26.025	ug/l	11.92	2,076.90	3.276E-04	Pulse	0.10	3
Sn	118	115	1	25.493	ug/l	4.08	6,564.97	1.036E-03	Pulse	0.10	3
Sn	118	115	2	23.686	ug/l	8.69	1,826.84	1.271E-03	Pulse	0.10	3
Sn	119	115	1	27.502	ug/l	9.93	2,647.00	4.177E-04	Pulse	0.10	3
Sb	121	159	1	-1.672	ug/l	-86.97	1,586.82	1.559E-04	Pulse	0.10	3
Ba	137	159	1	2014.708	ug/l	2.22	239,443.75	2.352E-02	Pulse	0.10	3
Tl	205	209	1	8.349	ug/l	5.00	7,165.36	1.206E-03	Pulse	0.10	3
Pb	208	209	1	241.331	ug/l	1.63	222,418.99	3.743E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,050,398.08	1.64	95.9	Analog	0.10	3
1	Sc	45	3,726,563.49	0.86	102.9	Analog	0.10	3
2	Sc	45	188,256.68	1.09	107.1	Pulse	0.10	3
3	Sc	45	398,640.85	1.14	108.4	Pulse	0.10	3
1	Ge	72	796,653.32	0.97	104.1	Pulse	0.10	3
2	Ge	72	123,378.02	0.90	107.4	Pulse	0.10	3
3	Ge	72	200,489.78	0.90	108.3	Pulse	0.10	3
1	Rh	103	5,758,399.50	0.49	105.2	Analog	0.10	3
2	Rh	103	3,416,405.68	0.30	107.5	Analog	0.10	3
1	In	115	6,338,770.71	0.36	106.1	Analog	0.10	3
2	In	115	1,437,399.77	0.42	102.9	Analog	0.10	3
1	Tb	159	10,181,494.43	0.56	105.4	Analog	0.10	3
2	Tb	159	5,723,463.46	0.80	103.3	Analog	0.10	3
1	Ho	165	9,832,517.98	0.62	105.5	Analog	0.10	3
2	Ho	165	5,689,011.59	0.10	104.1	Analog	0.10	3
1	Bi	209	5,943,183.45	1.59	104.0	Analog	0.10	3
2	Bi	209	4,006,149.00	0.10	103.6	Analog	0.10	3

Quantitation Report

File Name	027SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 23:26
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	49.151	ug/l	0.90	167,536.56	8.804E-02	Pulse	0.25	3
B	11	6	1	50.177	ug/l	0.42	156,724.33	8.236E-02	Pulse	0.15	3
Na	23	45	1	4721.061	ug/l	1.60	64,565,565.70	1.895E+01	Analog	0.10	3
Na	23	45	2	5040.574	ug/l	2.13	2,459,261.26	1.506E+01	Analog	0.20	3
Mg	24	45	1	4796.985	ug/l	1.22	43,605,099.35	1.280E+01	Analog	0.10	3
Mg	24	45	2	4814.348	ug/l	2.64	1,190,607.46	7.289E+00	Pulse	0.20	3
Al	27	45	1	4778.134	ug/l	1.84	57,427,065.81	1.686E+01	Analog	0.10	3
Al	27	45	2	4747.468	ug/l	2.46	423,019.79	2.590E+00	Pulse	0.20	3
K	39	45	1	4929.689	ug/l	1.95	80,922,825.46	2.375E+01	Analog	0.10	3
K	39	45	2	4807.893	ug/l	2.03	1,118,102.88	6.845E+00	Pulse	0.20	3
Ca	43	45	1	4963.852	ug/l	1.37	163,723.95	4.806E-02	Pulse	1.50	3
Ca	43	45	2	5255.611	ug/l	3.41	3,816.89	2.337E-02	Pulse	1.50	3
Ca	44	45	1	4966.200	ug/l	1.37	2,672,203.71	7.844E-01	Analog	0.10	3
Ca	44	45	2	5012.867	ug/l	0.88	64,454.63	3.945E-01	Pulse	0.20	3
Ti	47	45	1	48.041	ug/l	2.37	76,370.04	2.242E-02	Pulse	0.10	3
Ti	47	45	2	46.586	ug/l	4.46	4,487.35	2.746E-02	Pulse	0.20	3
V	51	45	2	49.579	ug/l	1.74	144,471.33	8.844E-01	Pulse	0.20	3
Cr	52	45	2	48.912	ug/l	2.24	185,913.94	1.138E+00	Pulse	0.20	3
Mn	55	45	2	47.539	ug/l	3.38	97,700.57	5.982E-01	Pulse	0.20	3
Fe	56	45	2	4978.830	ug/l	2.18	14,439,752.70	8.840E+01	Analog	0.20	3
Co	59	45	2	47.134	ug/l	2.62	280,642.18	1.718E+00	Pulse	0.20	3
Ni	60	45	2	46.638	ug/l	1.97	73,687.53	4.511E-01	Pulse	0.20	3
Cu	63	45	2	46.909	ug/l	2.70	198,729.98	1.217E+00	Pulse	0.20	3
Cu	65	45	2	47.060	ug/l	1.96	98,277.44	6.016E-01	Pulse	0.20	3
Zn	66	45	2	47.725	ug/l	3.09	34,114.04	2.089E-01	Pulse	0.20	3
As	75	45	2	48.551	ug/l	2.82	21,418.09	1.311E-01	Pulse	0.50	3
Se	78	45	2	46.748	ug/l	4.36	1,843.11	1.129E-02	Pulse	1.00	3
Se	78	45	3	45.928	ug/l	1.88	6,969.51	1.942E-02	Pulse	1.00	3
Sr	88	45	1	50.569	ug/l	2.39	1,869,935.75	5.489E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	48.861	ug/l	1.22	322,682.81	6.074E-02	Pulse	0.10	3
Ag	107	115	1	46.219	ug/l	1.24	712,387.85	1.197E-01	Pulse	0.10	3
Cd	111	115	1	47.603	ug/l	1.44	169,265.47	2.844E-02	Pulse	0.25	3
Cd	111	115	2	47.993	ug/l	0.64	66,774.56	5.101E-02	Pulse	0.25	3
Sn	117	115	1	48.577	ug/l	1.85	166,651.32	2.800E-02	Pulse	0.10	3
Sn	118	115	1	48.455	ug/l	2.53	539,573.44	9.066E-02	Pulse	0.10	3
Sn	118	115	2	48.872	ug/l	3.18	153,700.92	1.174E-01	Pulse	0.10	3
Sn	119	115	1	48.284	ug/l	2.70	194,876.42	3.274E-02	Pulse	0.10	3
Sb	121	159	1	53.736	ug/l	0.38	636,061.83	6.430E-02	Pulse	0.10	3
Ba	137	159	1	47.806	ug/l	0.41	275,883.99	2.789E-02	Pulse	0.10	3
Tl	205	209	1	45.534	ug/l	1.79	1,466,836.70	2.566E-01	Analog	0.10	3
Pb	208	209	1	48.318	ug/l	0.50	2,135,229.41	3.735E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,902,889.63	0.36	89.0	Analog	0.10	3
1	Sc	45	3,407,284.01	1.45	94.1	Analog	0.10	3
2	Sc	45	163,387.01	1.65	92.9	Pulse	0.10	3
3	Sc	45	358,901.51	1.19	97.6	Pulse	0.10	3
1	Ge	72	732,932.72	0.92	95.7	Pulse	0.10	3
2	Ge	72	108,996.92	2.11	94.8	Pulse	0.10	3
3	Ge	72	181,703.21	0.44	98.2	Pulse	0.10	3
1	Rh	103	5,312,504.50	1.15	97.1	Analog	0.10	3
2	Rh	103	3,050,779.75	0.96	96.0	Analog	0.10	3
1	In	115	5,953,132.97	1.43	99.6	Analog	0.10	3
2	In	115	1,309,087.02	0.95	93.7	Pulse	0.10	3
1	Tb	159	9,892,309.23	0.51	102.4	Analog	0.10	3
2	Tb	159	5,420,804.71	0.42	97.8	Analog	0.10	3
1	Ho	165	9,521,789.65	0.71	102.2	Analog	0.10	3
2	Ho	165	5,403,222.00	0.80	98.9	Analog	0.10	3
1	Bi	209	5,716,271.17	0.40	100.0	Analog	0.10	3
2	Bi	209	3,738,351.61	0.62	96.7	Analog	0.10	3

Quantitation Report

File Name	028SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 23:31
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.000	ug/l	2239.57	25.33	1.357E-05	Pulse	0.25	3
B	11	6	1	0.670	ug/l	11.95	4,311.78	2.309E-03	Pulse	0.15	3
Na	23	45	1	-2.315	ug/l	-3.04	124,673.37	3.780E-02	Pulse	0.10	3
Na	23	45	2	-0.743	ug/l	-91.92	5,907.82	3.602E-02	Pulse	0.20	3
Mg	24	45	1	0.162	ug/l	10.85	3,353.80	1.017E-03	Pulse	0.10	3
Mg	24	45	2	0.113	ug/l	63.36	98.33	6.004E-04	Pulse	0.20	3
Al	27	45	1	0.273	ug/l	16.09	7,742.11	2.347E-03	Pulse	0.10	3
Al	27	45	2	0.408	ug/l	65.54	63.33	3.839E-04	Pulse	0.20	3
K	39	45	1	-1.707	ug/l	-4.94	897,210.25	2.720E-01	Pulse	0.10	3
K	39	45	2	1.443	ug/l	36.67	6,711.46	4.090E-02	Pulse	0.20	3
Ca	43	45	1	-0.759	ug/l	-17.61	91.78	2.783E-05	Pulse	1.50	3
Ca	43	45	2	-1.313	ug/l	-41.17	1.11	6.787E-06	Pulse	1.50	3
Ca	44	45	1	-1.842	ug/l	-12.09	2,220.25	6.731E-04	Pulse	0.10	3
Ca	44	45	2	0.191	ug/l	152.43	36.67	2.237E-04	Pulse	0.20	3
Ti	47	45	1	0.014	ug/l	106.02	86.67	2.627E-05	Pulse	0.10	3
Ti	47	45	2	0.004	ug/l	1386.44	5.00	3.054E-05	Pulse	0.20	3
V	51	45	2	0.008	ug/l	146.61	313.34	1.909E-03	Pulse	0.20	3
Cr	52	45	2	0.078	ug/l	27.29	1,355.09	8.256E-03	Pulse	0.20	3
Mn	55	45	2	-0.017	ug/l	-15.01	23.33	1.419E-04	Pulse	0.20	3
Fe	56	45	2	0.927	ug/l	8.90	5,345.98	3.256E-02	Pulse	0.20	3
Co	59	45	2	0.000	ug/l	686.81	16.67	1.021E-04	Pulse	0.20	3
Ni	60	45	2	0.005	ug/l	694.31	210.00	1.284E-03	Pulse	0.20	3
Cu	63	45	2	-0.026	ug/l	-30.24	131.67	8.036E-04	Pulse	0.20	3
Cu	65	45	2	-0.018	ug/l	-57.90	78.33	4.773E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.217	ug/l	-5.02	125.00	7.623E-04	Pulse	0.20	3
As	75	45	2	0.016	ug/l	12.93	18.67	1.137E-04	Pulse	0.50	3
Se	78	45	2	-0.159	ug/l	-50.41	8.33	5.072E-05	Pulse	1.00	3
Se	78	45	3	0.026	ug/l	16.01	6.33	1.751E-05	Pulse	1.00	3
Sr	88	45	1	0.000	ug/l	447.56	563.37	1.708E-04	Pulse	0.10	3
Mo	95	103	1	0.064	ug/l	13.59	526.70	9.853E-05	Pulse	0.10	3
Ag	107	115	1	0.000	ug/l	-5.38	120.00	2.002E-05	Pulse	0.10	3
Cd	111	115	1	0.001	ug/l	812.84	29.33	4.887E-06	Pulse	0.25	3
Cd	111	115	2	-0.005	ug/l	0.00	0.00	0.000E+00	Pulse	0.25	3
Sn	117	115	1	0.043	ug/l	34.25	316.68	5.285E-05	Pulse	0.10	3
Sn	118	115	1	0.068	ug/l	6.35	1,253.43	2.091E-04	Pulse	0.10	3
Sn	118	115	2	0.090	ug/l	29.35	473.36	3.491E-04	Pulse	0.10	3
Sn	119	115	1	0.038	ug/l	29.42	426.69	7.118E-05	Pulse	0.10	3
Sb	121	159	1	0.024	ug/l	64.24	2,193.59	2.241E-04	Pulse	0.10	3
Ba	137	159	1	0.022	ug/l	59.80	910.06	9.297E-05	Pulse	0.10	3
Tl	205	209	1	0.265	ug/l	0.33	10,273.99	1.757E-03	Pulse	0.10	3
Pb	208	209	1	0.000	ug/l	-220.99	733.37	1.255E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,867,620.57	0.23	87.3	Analog	0.10	3
1	Sc	45	3,298,103.39	0.45	91.1	Analog	0.10	3
2	Sc	45	164,133.63	2.27	93.4	Pulse	0.10	3
3	Sc	45	362,020.67	1.06	98.5	Pulse	0.10	3
1	Ge	72	717,181.53	0.56	93.7	Pulse	0.10	3
2	Ge	72	109,385.99	2.07	95.2	Pulse	0.10	3
3	Ge	72	185,147.97	1.11	100.1	Pulse	0.10	3
1	Rh	103	5,347,349.09	0.42	97.7	Analog	0.10	3
2	Rh	103	3,165,462.46	0.58	99.6	Analog	0.10	3
1	In	115	5,994,393.41	0.28	100.3	Analog	0.10	3
2	In	115	1,356,002.62	0.43	97.1	Pulse	0.10	3
1	Tb	159	9,785,945.27	0.52	101.3	Analog	0.10	3
2	Tb	159	5,475,453.67	0.44	98.8	Analog	0.10	3
1	Ho	165	9,480,061.94	0.35	101.8	Analog	0.10	3
2	Ho	165	5,448,389.09	0.78	99.7	Analog	0.10	3
1	Bi	209	5,846,684.91	0.85	102.3	Analog	0.10	3
2	Bi	209	3,886,492.13	0.58	100.5	Analog	0.10	3

Quantitation Report

File Name	029SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 23:36
Sample Name	f99818-2 2
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	29.336	ug/l	2.76	10,021.73	5.267E-03	Pulse	0.25	3
B	11	6	1	14.751	ug/l	5.45	6,870.44	3.610E-03	Pulse	0.15	3
Na	23	45	1	6375.902	ug/l	1.27	9,525,119.23	2.600E+00	Analog	0.10	3
Na	23	45	2	6369.619	ug/l	0.75	349,104.77	1.936E+00	Pulse	0.20	3
Mg	24	45	1	90994.122	ug/l	1.26	88,933,512.01	2.428E+01	Analog	0.10	3
Mg	24	45	2	90854.366	ug/l	0.06	2,480,488.66	1.376E+01	Analog	0.20	3
Al	27	45	1	269626.402	ug/l	1.79	348,409,128.14	9.512E+01	Analog	0.10	3
Al	27	45	2	266154.020	ug/l	0.42	2,617,978.14	1.452E+01	Analog	0.20	3
K	39	45	1	53307.771	ug/l	0.65	94,016,431.93	2.566E+01	Analog	0.10	3
K	39	45	2	52710.249	ug/l	1.12	1,352,540.66	7.500E+00	Mix	0.20	3
Ca	43	45	1	23703.960	ug/l	1.25	84,132.49	2.297E-02	Pulse	1.50	3
Ca	43	45	2	25381.570	ug/l	3.14	2,036.35	1.129E-02	Pulse	1.50	3
Ca	44	45	1	23798.086	ug/l	0.86	1,378,740.97	3.764E-01	Analog	0.10	3
Ca	44	45	2	24171.134	ug/l	1.27	34,325.65	1.903E-01	Pulse	0.20	3
Ti	47	45	1	7260.472	ug/l	0.15	1,240,165.40	3.385E-01	Pulse	0.10	3
Ti	47	45	2	6966.586	ug/l	0.14	73,980.63	4.103E-01	Pulse	0.20	3
V	51	45	2	577.639	ug/l	0.80	185,748.71	1.030E+00	Pulse	0.20	3
Cr	52	45	2	521.793	ug/l	0.86	218,872.56	1.214E+00	Pulse	0.20	3
Mn	55	45	2	3160.485	ug/l	0.88	716,775.38	3.975E+00	Pulse	0.20	3
Fe	56	45	2	313707.182	ug/l	1.14	100,421,511.84	5.569E+02	Analog	0.20	3
Co	59	45	2	125.241	ug/l	2.42	82,338.25	4.566E-01	Pulse	0.20	3
Ni	60	45	2	307.772	ug/l	2.45	53,754.56	2.981E-01	Pulse	0.20	3
Cu	63	45	2	152.983	ug/l	2.69	71,737.73	3.978E-01	Pulse	0.20	3
Cu	65	45	2	153.859	ug/l	1.06	35,557.24	1.972E-01	Pulse	0.20	3
Zn	66	45	2	673.873	ug/l	0.59	53,054.20	2.942E-01	Pulse	0.20	3
As	75	45	2	56.120	ug/l	1.91	2,744.25	1.522E-02	Pulse	0.50	3
Se	78	45	2	25.920	ug/l	9.95	128.00	7.096E-04	Pulse	1.00	3
Se	78	45	3	3.690	ug/l	3.73	63.00	1.623E-04	Pulse	1.00	3
Sr	88	45	1	352.358	ug/l	1.22	1,401,317.53	3.825E-01	Analog	0.10	3
Mo	95	103	1	1.870	ug/l	6.22	1,370.12	2.519E-04	Pulse	0.10	3
Ag	107	115	1	0.103	ug/l	67.42	286.68	4.762E-05	Pulse	0.10	3
Cd	111	115	1	0.196	ug/l	16.00	97.33	1.617E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.367	ug/l	16.20	58.67	4.377E-05	Pulse	0.25	3
Sn	117	115	1	37.191	ug/l	1.28	13,055.88	2.169E-03	Pulse	0.10	3
Sn	118	115	1	37.409	ug/l	1.52	42,585.27	7.075E-03	Pulse	0.10	3
Sn	118	115	2	36.412	ug/l	0.74	11,895.01	8.873E-03	Pulse	0.10	3
Sn	119	115	1	38.143	ug/l	1.84	15,818.55	2.628E-03	Pulse	0.10	3
Sb	121	159	1	0.374	ug/l	11.85	2,406.96	2.404E-04	Pulse	0.10	3
Ba	137	159	1	2518.024	ug/l	0.56	1,467,643.00	1.466E-01	Analog	0.10	3
Tl	205	209	1	4.788	ug/l	2.76	16,870.32	2.962E-03	Pulse	0.10	3
Pb	208	209	1	160.661	ug/l	0.85	708,037.97	1.243E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,902,986.94	1.12	89.0	Analog	0.10	3
1	Sc	45	3,663,507.13	1.21	101.2	Analog	0.10	3
2	Sc	45	180,328.53	0.56	102.6	Pulse	0.10	3
3	Sc	45	388,097.06	0.60	105.6	Pulse	0.10	3
1	Ge	72	755,178.48	1.07	98.6	Pulse	0.10	3
2	Ge	72	114,238.73	0.45	99.4	Pulse	0.10	3
3	Ge	72	187,046.33	0.87	101.1	Pulse	0.10	3
1	Rh	103	5,438,156.79	0.18	99.4	Analog	0.10	3
2	Rh	103	3,102,362.87	0.18	97.6	Analog	0.10	3
1	In	115	6,018,596.63	0.35	100.7	Analog	0.10	3
2	In	115	1,340,615.48	0.43	96.0	Mix	0.10	3
1	Tb	159	10,014,390.89	0.28	103.7	Analog	0.10	3
2	Tb	159	5,548,477.63	0.56	100.1	Analog	0.10	3
1	Ho	165	9,626,801.94	0.52	103.3	Analog	0.10	3
2	Ho	165	5,492,087.83	0.22	100.5	Analog	0.10	3
1	Bi	209	5,696,780.75	0.63	99.7	Analog	0.10	3
2	Bi	209	3,750,023.48	0.24	97.0	Analog	0.10	3

Quantitation Report

File Name	030SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 23:42
Sample Name	f99818-3
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	13.842	ug/l	4.06	4,476.66	2.492E-03	Pulse	0.25	3
B	11	6	1	5.147	ug/l	3.94	3,696.06	2.057E-03	Pulse	0.15	3
Na	23	45	1	2759.973	ug/l	1.22	3,964,988.90	1.152E+00	Analog	0.10	3
Na	23	45	2	2847.433	ug/l	0.60	154,328.32	8.866E-01	Pulse	0.20	3
Mg	24	45	1	11150.941	ug/l	1.83	10,238,723.80	2.976E+00	Analog	0.10	3
Mg	24	45	2	11159.821	ug/l	1.29	294,168.79	1.690E+00	Pulse	0.20	3
Al	27	45	1	165994.455	ug/l	1.62	201,491,450.33	5.856E+01	Analog	0.10	3
Al	27	45	2	168578.230	ug/l	1.22	1,600,621.70	9.196E+00	Analog	0.20	3
K	39	45	1	8217.590	ug/l	1.57	14,429,717.28	4.193E+00	Analog	0.10	3
K	39	45	2	7862.693	ug/l	1.31	200,499.12	1.152E+00	Pulse	0.20	3
Ca	43	45	1	80730.567	ug/l	0.86	268,879.04	7.814E-02	Pulse	1.50	3
Ca	43	45	2	84379.001	ug/l	1.73	6,528.62	3.751E-02	Pulse	1.50	3
Ca	44	45	1	79978.489	ug/l	0.86	4,344,692.02	1.263E+00	Analog	0.10	3
Ca	44	45	2	81098.805	ug/l	2.43	111,070.40	6.381E-01	Pulse	0.20	3
Ti	47	45	1	3720.080	ug/l	0.13	596,926.12	1.735E-01	Pulse	0.10	3
Ti	47	45	2	3728.059	ug/l	2.69	38,212.55	2.196E-01	Pulse	0.20	3
V	51	45	2	138.229	ug/l	1.07	43,141.38	2.478E-01	Pulse	0.20	3
Cr	52	45	2	101.686	ug/l	2.16	42,072.18	2.417E-01	Pulse	0.20	3
Mn	55	45	2	2623.181	ug/l	1.77	574,223.47	3.299E+00	Pulse	0.20	3
Fe	56	45	2	63568.903	ug/l	2.19	19,642,884.71	1.129E+02	Analog	0.20	3
Co	59	45	2	26.640	ug/l	1.75	16,918.94	9.719E-02	Pulse	0.20	3
Ni	60	45	2	118.592	ug/l	0.87	20,129.24	1.156E-01	Pulse	0.20	3
Cu	63	45	2	31.695	ug/l	2.78	14,545.04	8.358E-02	Pulse	0.20	3
Cu	65	45	2	31.662	ug/l	1.10	7,161.69	4.114E-02	Pulse	0.20	3
Zn	66	45	2	157.498	ug/l	3.44	12,201.40	7.007E-02	Pulse	0.20	3
As	75	45	2	14.796	ug/l	10.32	706.69	4.063E-03	Pulse	0.50	3
Se	78	45	2	14.523	ug/l	6.18	76.00	4.366E-04	Pulse	1.00	3
Se	78	45	3	1.608	ug/l	7.34	28.00	7.433E-05	Pulse	1.00	3
Sr	88	45	1	519.800	ug/l	1.15	1,941,784.45	5.642E-01	Analog	0.10	3
Mo	95	103	1	1.536	ug/l	18.02	1,130.08	2.104E-04	Pulse	0.10	3
Ag	107	115	1	0.080	ug/l	38.73	253.35	4.191E-05	Pulse	0.10	3
Cd	111	115	1	0.583	ug/l	23.08	237.34	3.928E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.647	ug/l	25.86	101.33	7.356E-05	Pulse	0.25	3
Sn	117	115	1	25.366	ug/l	6.24	8,982.91	1.488E-03	Pulse	0.10	3
Sn	118	115	1	25.349	ug/l	0.54	29,107.87	4.821E-03	Pulse	0.10	3
Sn	118	115	2	24.730	ug/l	4.07	8,362.63	6.069E-03	Pulse	0.10	3
Sn	119	115	1	25.897	ug/l	1.65	10,860.75	1.799E-03	Pulse	0.10	3
Sb	121	159	1	-0.285	ug/l	-116.43	1,613.49	1.618E-04	Pulse	0.10	3
Ba	137	159	1	1120.319	ug/l	1.67	651,241.47	6.525E-02	Pulse	0.10	3
Tl	205	209	1	1.312	ug/l	3.40	5,891.41	1.005E-03	Pulse	0.10	3
Pb	208	209	1	70.980	ug/l	1.42	322,360.85	5.498E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,796,221.98	1.57	84.0	Analog	0.10	3
1	Sc	45	3,441,331.20	1.24	95.0	Analog	0.10	3
2	Sc	45	174,088.42	1.77	99.0	Pulse	0.10	3
3	Sc	45	376,782.52	0.69	102.5	Pulse	0.10	3
1	Ge	72	736,170.30	0.56	96.2	Pulse	0.10	3
2	Ge	72	115,555.52	0.86	100.5	Pulse	0.10	3
3	Ge	72	187,644.52	1.01	101.4	Pulse	0.10	3
1	Rh	103	5,370,537.00	0.55	98.2	Analog	0.10	3
2	Rh	103	3,201,187.14	0.61	100.8	Analog	0.10	3
1	In	115	6,037,478.65	1.00	101.0	Analog	0.10	3
2	In	115	1,377,854.78	0.37	98.6	Mix	0.10	3
1	Tb	159	9,980,863.39	0.37	103.3	Analog	0.10	3
2	Tb	159	5,593,982.21	0.47	100.9	Analog	0.10	3
1	Ho	165	9,626,131.94	0.46	103.3	Analog	0.10	3
2	Ho	165	5,524,547.63	0.29	101.1	Analog	0.10	3
1	Bi	209	5,863,163.66	0.63	102.6	Analog	0.10	3
2	Bi	209	3,868,185.99	0.60	100.0	Analog	0.10	3

Quantitation Report

File Name	031SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 23:47
Sample Name	f99818-4
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	22.465	ug/l	1.43	7,572.45	4.037E-03	Pulse	0.25	3
B	11	6	1	19.485	ug/l	5.25	8,208.88	4.376E-03	Pulse	0.15	3
Na	23	45	1	1175.976	ug/l	0.98	1,885,151.43	5.180E-01	Analog	0.10	3
Na	23	45	2	1184.034	ug/l	1.21	71,141.98	3.910E-01	Pulse	0.20	3
Mg	24	45	1	81758.785	ug/l	1.02	79,391,830.48	2.181E+01	Analog	0.10	3
Mg	24	45	2	81783.561	ug/l	1.09	2,252,981.58	1.238E+01	Analog	0.20	3
Al	27	45	1	268897.268	ug/l	0.99	345,253,301.52	9.486E+01	Analog	0.10	3
Al	27	45	2	270270.168	ug/l	0.86	2,682,463.82	1.474E+01	Analog	0.20	3
K	39	45	1	53426.564	ug/l	1.06	93,607,921.94	2.572E+01	Analog	0.10	3
K	39	45	2	52697.108	ug/l	0.79	1,364,393.36	7.499E+00	Analog	0.20	3
Ca	43	45	1	34970.269	ug/l	0.80	123,256.99	3.387E-02	Pulse	1.50	3
Ca	43	45	2	35836.247	ug/l	1.53	2,900.04	1.594E-02	Pulse	1.50	3
Ca	44	45	1	34850.507	ug/l	0.84	2,004,403.41	5.507E-01	Analog	0.10	3
Ca	44	45	2	35091.362	ug/l	0.24	50,266.08	2.762E-01	Pulse	0.20	3
Ti	47	45	1	5781.809	ug/l	0.40	981,189.80	2.696E-01	Pulse	0.10	3
Ti	47	45	2	5760.078	ug/l	0.32	61,722.75	3.392E-01	Pulse	0.20	3
V	51	45	2	593.523	ug/l	0.84	192,575.36	1.058E+00	Pulse	0.20	3
Cr	52	45	2	468.704	ug/l	0.24	198,505.13	1.091E+00	Pulse	0.20	3
Mn	55	45	2	3079.870	ug/l	1.15	704,780.41	3.873E+00	Pulse	0.20	3
Fe	56	45	2	283033.759	ug/l	0.96	91,422,085.31	5.024E+02	Analog	0.20	3
Co	59	45	2	126.098	ug/l	1.22	83,646.33	4.597E-01	Pulse	0.20	3
Ni	60	45	2	321.319	ug/l	0.88	56,620.74	3.112E-01	Pulse	0.20	3
Cu	63	45	2	115.870	ug/l	0.48	54,886.62	3.016E-01	Pulse	0.20	3
Cu	65	45	2	114.743	ug/l	0.40	26,788.93	1.472E-01	Pulse	0.20	3
Zn	66	45	2	534.484	ug/l	1.56	42,522.01	2.337E-01	Pulse	0.20	3
As	75	45	2	85.001	ug/l	2.80	4,187.90	2.301E-02	Pulse	0.50	3
Se	78	45	2	19.096	ug/l	17.25	99.33	5.462E-04	Pulse	1.00	3
Se	78	45	3	3.345	ug/l	27.57	57.67	1.477E-04	Pulse	1.00	3
Sr	88	45	1	287.068	ug/l	0.64	1,134,451.68	3.117E-01	Pulse	0.10	3
Mo	95	103	1	1.229	ug/l	15.00	936.73	1.723E-04	Pulse	0.10	3
Ag	107	115	1	0.121	ug/l	10.81	316.68	5.243E-05	Pulse	0.10	3
Cd	111	115	1	0.520	ug/l	9.70	214.67	3.553E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.630	ug/l	15.46	98.67	7.178E-05	Pulse	0.25	3
Sn	117	115	1	35.582	ug/l	1.02	12,542.16	2.077E-03	Pulse	0.10	3
Sn	118	115	1	33.706	ug/l	0.33	38,551.51	6.383E-03	Pulse	0.10	3
Sn	118	115	2	34.228	ug/l	3.01	11,477.95	8.349E-03	Pulse	0.10	3
Sn	119	115	1	34.895	ug/l	2.85	14,547.28	2.408E-03	Pulse	0.10	3
Sb	121	159	1	0.883	ug/l	22.56	3,007.07	3.011E-04	Pulse	0.10	3
Ba	137	159	1	2520.523	ug/l	0.30	1,465,857.63	1.467E-01	Analog	0.10	3
Tl	205	209	1	4.188	ug/l	5.33	15,034.84	2.624E-03	Pulse	0.10	3
Pb	208	209	1	148.347	ug/l	0.23	657,493.02	1.148E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,875,910.73	0.32	87.7	Analog	0.10	3
1	Sc	45	3,639,680.99	1.30	100.5	Analog	0.10	3
2	Sc	45	181,962.18	0.81	103.5	Pulse	0.10	3
3	Sc	45	390,804.03	0.77	106.3	Pulse	0.10	3
1	Ge	72	756,394.31	0.81	98.8	Pulse	0.10	3
2	Ge	72	117,907.97	1.47	102.6	Pulse	0.10	3
3	Ge	72	189,668.98	1.38	102.5	Pulse	0.10	3
1	Rh	103	5,436,736.58	1.06	99.4	Analog	0.10	3
2	Rh	103	3,188,090.89	0.19	100.3	Analog	0.10	3
1	In	115	6,039,589.56	0.85	101.1	Analog	0.10	3
2	In	115	1,374,826.53	0.40	98.4	Mix	0.10	3
1	Tb	159	9,992,528.60	1.08	103.4	Analog	0.10	3
2	Tb	159	5,601,541.17	0.19	101.1	Analog	0.10	3
1	Ho	165	9,625,341.52	0.70	103.3	Analog	0.10	3
2	Ho	165	5,560,955.33	0.39	101.8	Analog	0.10	3
1	Bi	209	5,728,550.33	0.61	100.2	Analog	0.10	3
2	Bi	209	3,805,158.90	1.00	98.4	Analog	0.10	3

Quantitation Report

File Name	032SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 23:52
Sample Name	f99818-6
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	12.040	ug/l	4.33	1,762.79	8.757E-04	Pulse	0.25	3
B	11	6	1	7.136	ug/l	7.80	3,395.99	1.687E-03	Pulse	0.15	3
Na	23	45	1	1912.302	ug/l	1.17	1,337,059.56	3.534E-01	Analog	0.10	3
Na	23	45	2	1906.657	ug/l	0.31	50,785.29	2.655E-01	Pulse	0.20	3
Mg	24	45	1	29057.031	ug/l	1.42	11,734,861.07	3.102E+00	Analog	0.10	3
Mg	24	45	2	27675.334	ug/l	1.41	320,699.39	1.676E+00	Pulse	0.20	3
Al	27	45	1	119874.824	ug/l	0.35	64,006,520.71	1.692E+01	Analog	0.10	3
Al	27	45	2	114360.608	ug/l	0.83	477,387.18	2.495E+00	Pulse	0.20	3
K	39	45	1	23870.090	ug/l	0.78	18,262,452.65	4.827E+00	Analog	0.10	3
K	39	45	2	22510.583	ug/l	1.77	251,264.03	1.313E+00	Pulse	0.20	3
Ca	43	45	1	20388.389	ug/l	1.47	29,983.35	7.925E-03	Pulse	1.50	3
Ca	43	45	2	20651.431	ug/l	4.89	704.46	3.683E-03	Pulse	1.50	3
Ca	44	45	1	20523.035	ug/l	0.93	493,607.94	1.305E-01	Pulse	0.10	3
Ca	44	45	2	19768.252	ug/l	3.18	11,941.16	6.241E-02	Pulse	0.20	3
Ti	47	45	1	2866.296	ug/l	1.08	202,316.36	5.347E-02	Pulse	0.10	3
Ti	47	45	2	2820.422	ug/l	0.51	12,715.06	6.646E-02	Pulse	0.20	3
V	51	45	2	376.126	ug/l	3.07	51,568.56	2.696E-01	Pulse	0.20	3
Cr	52	45	2	238.189	ug/l	0.47	43,407.05	2.269E-01	Pulse	0.20	3
Mn	55	45	2	4630.687	ug/l	1.74	445,669.51	2.330E+00	Pulse	0.20	3
Fe	56	45	2	198838.950	ug/l	1.40	27,012,819.60	1.412E+02	Analog	0.20	3
Co	59	45	2	111.696	ug/l	1.19	31,176.46	1.629E-01	Pulse	0.20	3
Ni	60	45	2	195.959	ug/l	1.91	14,700.13	7.685E-02	Pulse	0.20	3
Cu	63	45	2	133.822	ug/l	3.49	26,807.16	1.401E-01	Pulse	0.20	3
Cu	65	45	2	136.031	ug/l	3.48	13,429.05	7.019E-02	Pulse	0.20	3
Zn	66	45	2	403.958	ug/l	2.56	13,742.67	7.184E-02	Pulse	0.20	3
As	75	45	2	30.860	ug/l	3.45	650.69	3.401E-03	Pulse	0.50	3
Se	78	45	2	18.912	ug/l	26.32	51.67	2.700E-04	Pulse	1.00	3
Se	78	45	3	3.626	ug/l	18.73	27.00	6.766E-05	Pulse	1.00	3
Sr	88	45	1	168.535	ug/l	2.57	277,396.36	7.332E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.486	ug/l	16.69	536.70	9.336E-05	Pulse	0.10	3
Ag	107	115	1	0.039	ug/l	139.87	160.01	2.516E-05	Pulse	0.10	3
Cd	111	115	1	0.313	ug/l	74.98	76.00	1.195E-05	Pulse	0.25	3
Cd	111	115	2	0.276	ug/l	85.01	24.00	1.652E-05	Pulse	0.25	3
Sn	117	115	1	27.120	ug/l	2.42	4,150.70	6.525E-04	Pulse	0.10	3
Sn	118	115	1	28.398	ug/l	3.39	14,033.39	2.206E-03	Pulse	0.10	3
Sn	118	115	2	26.854	ug/l	7.56	3,940.65	2.712E-03	Pulse	0.10	3
Sn	119	115	1	29.426	ug/l	2.40	5,357.81	8.423E-04	Pulse	0.10	3
Sb	121	159	1	-0.671	ug/l	-48.78	1,646.83	1.638E-04	Pulse	0.10	3
Ba	137	159	1	953.051	ug/l	0.42	223,910.73	2.226E-02	Pulse	0.10	3
Tl	205	209	1	2.589	ug/l	3.79	5,017.71	8.492E-04	Pulse	0.10	3
Pb	208	209	1	121.018	ug/l	0.79	221,836.64	3.754E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,013,491.47	1.12	94.2	Analog	0.10	3
1	Sc	45	3,783,753.28	0.96	104.5	Analog	0.10	3
2	Sc	45	191,319.66	1.01	108.8	Pulse	0.10	3
3	Sc	45	399,076.66	0.15	108.6	Pulse	0.10	3
1	Ge	72	798,728.79	0.79	104.3	Pulse	0.10	3
2	Ge	72	124,775.09	0.60	108.6	Pulse	0.10	3
3	Ge	72	199,920.37	1.31	108.0	Pulse	0.10	3
1	Rh	103	5,753,037.20	0.94	105.1	Analog	0.10	3
2	Rh	103	3,428,944.74	0.47	107.9	Analog	0.10	3
1	In	115	6,361,166.36	0.25	106.5	Analog	0.10	3
2	In	115	1,453,376.21	0.42	104.1	Analog	0.10	3
1	Tb	159	10,060,848.81	0.62	104.1	Analog	0.10	3
2	Tb	159	5,737,175.96	0.48	103.5	Analog	0.10	3
1	Ho	165	9,759,792.77	1.04	104.8	Analog	0.10	3
2	Ho	165	5,637,930.54	0.41	103.2	Analog	0.10	3
1	Bi	209	5,909,651.99	0.71	103.4	Analog	0.10	3
2	Bi	209	3,968,874.84	0.66	102.6	Analog	0.10	3

Quantitation Report

File Name	033SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/28/2012 23:57
Sample Name	f99818-7
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	11.390	ug/l	3.41	1,665.44	8.291E-04	Pulse	0.25	3
B	11	6	1	7.129	ug/l	6.28	3,387.10	1.686E-03	Pulse	0.15	3
Na	23	45	1	2468.836	ug/l	1.17	1,697,353.57	4.425E-01	Analog	0.10	3
Na	23	45	2	2493.158	ug/l	0.76	64,314.69	3.353E-01	Pulse	0.20	3
Mg	24	45	1	32681.396	ug/l	0.23	13,380,510.63	3.488E+00	Analog	0.10	3
Mg	24	45	2	31696.890	ug/l	1.22	368,211.04	1.920E+00	Pulse	0.20	3
Al	27	45	1	110191.184	ug/l	0.42	59,645,469.11	1.555E+01	Analog	0.10	3
Al	27	45	2	105947.556	ug/l	1.27	443,362.66	2.312E+00	Pulse	0.20	3
K	39	45	1	19062.528	ug/l	0.46	15,001,454.36	3.911E+00	Analog	0.10	3
K	39	45	2	17992.048	ug/l	1.41	202,832.50	1.058E+00	Pulse	0.20	3
Ca	43	45	1	22551.067	ug/l	0.58	33,608.15	8.762E-03	Pulse	1.50	3
Ca	43	45	2	22698.277	ug/l	2.11	776.24	4.047E-03	Pulse	1.50	3
Ca	44	45	1	22473.342	ug/l	0.49	547,628.17	1.428E-01	Pulse	0.10	3
Ca	44	45	2	22103.769	ug/l	2.45	13,378.99	6.976E-02	Pulse	0.20	3
Ti	47	45	1	2925.931	ug/l	1.23	209,371.05	5.459E-02	Pulse	0.10	3
Ti	47	45	2	2835.202	ug/l	0.55	12,813.49	6.681E-02	Pulse	0.20	3
V	51	45	2	356.390	ug/l	0.68	49,009.20	2.555E-01	Pulse	0.20	3
Cr	52	45	2	207.224	ug/l	1.48	38,017.10	1.982E-01	Pulse	0.20	3
Mn	55	45	2	9365.975	ug/l	1.27	903,608.11	4.712E+00	Pulse	0.20	3
Fe	56	45	2	187021.526	ug/l	1.24	25,471,377.95	1.328E+02	Analog	0.20	3
Co	59	45	2	281.922	ug/l	1.58	78,848.01	4.111E-01	Pulse	0.20	3
Ni	60	45	2	207.492	ug/l	1.17	15,590.97	8.129E-02	Pulse	0.20	3
Cu	63	45	2	113.629	ug/l	1.46	22,862.77	1.192E-01	Pulse	0.20	3
Cu	65	45	2	116.884	ug/l	0.84	11,585.92	6.041E-02	Pulse	0.20	3
Zn	66	45	2	338.832	ug/l	2.96	11,609.29	6.054E-02	Pulse	0.20	3
As	75	45	2	27.051	ug/l	7.18	573.35	2.990E-03	Pulse	0.50	3
Se	78	45	2	21.744	ug/l	19.92	57.00	2.971E-04	Pulse	1.00	3
Se	78	45	3	2.407	ug/l	33.00	19.00	4.705E-05	Pulse	1.00	3
Sr	88	45	1	158.848	ug/l	1.26	265,126.94	6.912E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.836	ug/l	55.77	353.35	6.104E-05	Pulse	0.10	3
Ag	107	115	1	0.003	ug/l	1081.98	136.67	2.143E-05	Pulse	0.10	3
Cd	111	115	1	0.127	ug/l	53.38	48.00	7.517E-06	Pulse	0.25	3
Cd	111	115	2	0.297	ug/l	51.00	25.33	1.742E-05	Pulse	0.25	3
Sn	117	115	1	28.799	ug/l	5.64	4,410.79	6.912E-04	Pulse	0.10	3
Sn	118	115	1	28.922	ug/l	3.98	14,327.10	2.245E-03	Pulse	0.10	3
Sn	118	115	2	28.379	ug/l	4.87	4,160.73	2.858E-03	Pulse	0.10	3
Sn	119	115	1	31.080	ug/l	1.34	5,661.25	8.871E-04	Pulse	0.10	3
Sb	121	159	1	0.191	ug/l	287.10	2,080.23	2.049E-04	Pulse	0.10	3
Ba	137	159	1	1290.808	ug/l	1.18	305,849.84	3.011E-02	Pulse	0.10	3
Tl	205	209	1	1.822	ug/l	13.79	4,000.70	6.763E-04	Pulse	0.10	3
Pb	208	209	1	156.020	ug/l	0.68	286,003.28	4.836E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	2,008,630.89	0.55	93.9	Analog	0.10	3
1	Sc	45	3,835,728.48	0.71	105.9	Analog	0.10	3
2	Sc	45	191,789.98	0.49	109.1	Pulse	0.10	3
3	Sc	45	404,506.77	0.91	110.0	Pulse	0.10	3
1	Ge	72	808,181.63	0.31	105.6	Pulse	0.10	3
2	Ge	72	125,013.91	0.54	108.8	Pulse	0.10	3
3	Ge	72	202,547.68	1.21	109.5	Pulse	0.10	3
1	Rh	103	5,797,178.45	0.96	106.0	Analog	0.10	3
2	Rh	103	3,450,129.53	0.51	108.6	Analog	0.10	3
1	In	115	6,381,787.03	0.43	106.8	Analog	0.10	3
2	In	115	1,455,773.76	0.61	104.2	Analog	0.10	3
1	Tb	159	10,156,168.18	0.25	105.1	Analog	0.10	3
2	Tb	159	5,728,774.50	0.23	103.4	Analog	0.10	3
1	Ho	165	9,699,976.73	0.60	104.1	Analog	0.10	3
2	Ho	165	5,696,025.54	0.42	104.2	Analog	0.10	3
1	Bi	209	5,914,165.95	0.78	103.5	Analog	0.10	3
2	Bi	209	3,960,579.42	0.57	102.4	Analog	0.10	3

Quantitation Report

File Name	034SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 0:02
Sample Name	f99875-1
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	16.047	ug/l	4.10	5,450.28	2.887E-03	Pulse	0.25	3
B	11	6	1	17.974	ug/l	4.99	7,799.79	4.132E-03	Pulse	0.15	3
Na	23	45	1	899.351	ug/l	0.59	1,477,642.37	4.072E-01	Analog	0.10	3
Na	23	45	2	894.092	ug/l	2.74	54,995.09	3.046E-01	Pulse	0.20	3
Mg	24	45	1	57153.863	ug/l	0.19	55,334,712.51	1.525E+01	Analog	0.10	3
Mg	24	45	2	55987.964	ug/l	1.29	1,530,395.66	8.477E+00	Analog	0.20	3
Al	27	45	1	213697.535	ug/l	0.35	273,550,335.92	7.539E+01	Analog	0.10	3
Al	27	45	2	208097.585	ug/l	0.80	2,049,363.51	1.135E+01	Analog	0.20	3
K	39	45	1	41397.873	ug/l	0.73	72,547,232.25	1.999E+01	Analog	0.10	3
K	39	45	2	39511.268	ug/l	0.98	1,016,795.48	5.632E+00	Pulse	0.20	3
Ca	43	45	1	31550.553	ug/l	0.05	110,885.88	3.056E-02	Pulse	1.50	3
Ca	43	45	2	32443.166	ug/l	3.42	2,604.87	1.443E-02	Pulse	1.50	3
Ca	44	45	1	31538.507	ug/l	0.74	1,808,768.93	4.985E-01	Analog	0.10	3
Ca	44	45	2	31557.131	ug/l	0.31	44,853.97	2.484E-01	Pulse	0.20	3
Ti	47	45	1	3666.313	ug/l	0.29	620,331.96	1.710E-01	Pulse	0.10	3
Ti	47	45	2	3574.780	ug/l	2.48	38,010.28	2.105E-01	Pulse	0.20	3
V	51	45	2	350.631	ug/l	2.43	113,009.08	6.260E-01	Pulse	0.20	3
Cr	52	45	2	310.363	ug/l	2.16	130,808.11	7.245E-01	Pulse	0.20	3
Mn	55	45	2	2691.616	ug/l	0.95	611,164.73	3.385E+00	Pulse	0.20	3
Fe	56	45	2	268942.618	ug/l	0.66	86,196,822.05	4.774E+02	Analog	0.20	3
Co	59	45	2	95.026	ug/l	2.07	62,553.40	3.465E-01	Pulse	0.20	3
Ni	60	45	2	207.327	ug/l	0.95	36,328.82	2.012E-01	Pulse	0.20	3
Cu	63	45	2	234.315	ug/l	1.60	109,852.39	6.085E-01	Pulse	0.20	3
Cu	65	45	2	231.080	ug/l	1.90	53,398.40	2.958E-01	Pulse	0.20	3
Zn	66	45	2	491.116	ug/l	1.47	38,794.40	2.149E-01	Pulse	0.20	3
As	75	45	2	61.771	ug/l	7.68	3,022.96	1.674E-02	Pulse	0.50	3
Se	78	45	2	25.737	ug/l	5.11	127.33	7.052E-04	Pulse	1.00	3
Se	78	45	3	3.231	ug/l	2.54	55.67	1.429E-04	Pulse	1.00	3
Sr	88	45	1	300.637	ug/l	0.83	1,184,448.63	3.264E-01	Pulse	0.10	3
Mo	95	103	1	8.651	ug/l	7.42	5,984.67	1.095E-03	Pulse	0.10	3
Ag	107	115	1	0.266	ug/l	14.67	546.70	8.996E-05	Pulse	0.10	3
Cd	111	115	1	0.469	ug/l	23.37	197.34	3.250E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.367	ug/l	9.06	60.00	4.375E-05	Pulse	0.25	3
Sn	117	115	1	243.495	ug/l	1.39	85,389.02	1.405E-02	Pulse	0.10	3
Sn	118	115	1	242.738	ug/l	0.53	276,299.13	4.546E-02	Pulse	0.10	3
Sn	118	115	2	235.772	ug/l	1.19	77,833.41	5.672E-02	Pulse	0.10	3
Sn	119	115	1	243.788	ug/l	0.42	100,620.18	1.655E-02	Pulse	0.10	3
Sb	121	159	1	2.900	ug/l	3.80	5,417.78	5.418E-04	Pulse	0.10	3
Ba	137	159	1	1917.074	ug/l	0.46	1,116,185.58	1.116E-01	Pulse	0.10	3
Tl	205	209	1	2.540	ug/l	8.62	9,770.35	1.696E-03	Pulse	0.10	3
Pb	208	209	1	170.690	ug/l	0.30	760,506.49	1.320E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,887,907.99	0.44	88.3	Analog	0.10	3
1	Sc	45	3,628,675.15	0.40	100.2	Analog	0.10	3
2	Sc	45	180,542.58	0.34	102.7	Pulse	0.10	3
3	Sc	45	389,484.38	0.38	106.0	Pulse	0.10	3
1	Ge	72	755,976.16	1.20	98.7	Pulse	0.10	3
2	Ge	72	117,125.39	2.04	101.9	Pulse	0.10	3
3	Ge	72	191,471.56	0.31	103.5	Pulse	0.10	3
1	Rh	103	5,468,602.63	0.45	99.9	Analog	0.10	3
2	Rh	103	3,207,148.70	0.96	100.9	Analog	0.10	3
1	In	115	6,078,260.88	0.89	101.7	Analog	0.10	3
2	In	115	1,372,345.62	1.45	98.3	Mix	0.10	3
1	Tb	159	10,002,171.73	1.10	103.5	Analog	0.10	3
2	Tb	159	5,591,953.87	0.73	100.9	Analog	0.10	3
1	Ho	165	9,605,933.82	0.79	103.1	Analog	0.10	3
2	Ho	165	5,522,565.34	0.54	101.1	Analog	0.10	3
1	Bi	209	5,759,626.79	0.42	100.8	Analog	0.10	3
2	Bi	209	3,829,752.03	0.83	99.0	Analog	0.10	3

Quantitation Report

File Name	035SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 0:07
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	49.121	ug/l	1.56	168,150.45	8.799E-02	Pulse	0.25	3
B	11	6	1	49.726	ug/l	2.49	156,000.39	8.163E-02	Pulse	0.15	3
Na	23	45	1	4639.284	ug/l	1.19	65,011,964.03	1.862E+01	Analog	0.10	3
Na	23	45	2	4816.222	ug/l	1.53	2,454,714.18	1.439E+01	Analog	0.20	3
Mg	24	45	1	4746.496	ug/l	1.08	44,207,064.34	1.266E+01	Analog	0.10	3
Mg	24	45	2	4622.535	ug/l	1.45	1,194,158.42	6.999E+00	Pulse	0.20	3
Al	27	45	1	4757.857	ug/l	0.94	58,593,752.46	1.679E+01	Analog	0.10	3
Al	27	45	2	4586.536	ug/l	1.48	426,891.96	2.502E+00	Pulse	0.20	3
K	39	45	1	4926.507	ug/l	0.77	82,866,618.76	2.374E+01	Analog	0.10	3
K	39	45	2	4658.514	ug/l	0.89	1,131,883.76	6.633E+00	Pulse	0.20	3
Ca	43	45	1	4930.925	ug/l	0.75	166,641.48	4.774E-02	Pulse	1.50	3
Ca	43	45	2	5168.097	ug/l	1.17	3,920.91	2.298E-02	Pulse	1.50	3
Ca	44	45	1	4936.479	ug/l	0.23	2,721,711.21	7.797E-01	Analog	0.10	3
Ca	44	45	2	4921.394	ug/l	0.88	66,090.76	3.873E-01	Pulse	0.20	3
Ti	47	45	1	47.973	ug/l	2.10	78,138.19	2.239E-02	Pulse	0.10	3
Ti	47	45	2	47.911	ug/l	3.85	4,819.13	2.824E-02	Pulse	0.20	3
V	51	45	2	47.627	ug/l	0.63	144,981.70	8.496E-01	Pulse	0.20	3
Cr	52	45	2	46.929	ug/l	1.23	186,367.32	1.092E+00	Pulse	0.20	3
Mn	55	45	2	46.018	ug/l	2.24	98,805.04	5.791E-01	Pulse	0.20	3
Fe	56	45	2	4857.231	ug/l	1.27	14,714,793.95	8.624E+01	Analog	0.20	3
Co	59	45	2	45.789	ug/l	0.98	284,800.41	1.669E+00	Pulse	0.20	3
Ni	60	45	2	45.524	ug/l	1.22	75,139.08	4.404E-01	Pulse	0.20	3
Cu	63	45	2	46.199	ug/l	1.38	204,463.86	1.198E+00	Pulse	0.20	3
Cu	65	45	2	45.866	ug/l	0.93	100,052.74	5.864E-01	Pulse	0.20	3
Zn	66	45	2	46.063	ug/l	1.99	34,408.10	2.016E-01	Pulse	0.20	3
As	75	45	2	47.616	ug/l	0.64	21,944.14	1.286E-01	Pulse	0.50	3
Se	78	45	2	46.586	ug/l	2.39	1,919.12	1.125E-02	Pulse	1.00	3
Se	78	45	3	47.115	ug/l	0.38	7,149.59	1.992E-02	Pulse	1.00	3
Sr	88	45	1	49.472	ug/l	0.62	1,874,623.46	5.370E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	48.120	ug/l	1.26	321,757.56	5.982E-02	Pulse	0.10	3
Ag	107	115	1	46.314	ug/l	0.28	718,188.97	1.199E-01	Pulse	0.10	3
Cd	111	115	1	47.411	ug/l	0.51	169,610.03	2.832E-02	Pulse	0.25	3
Cd	111	115	2	47.360	ug/l	0.76	67,157.78	5.034E-02	Pulse	0.25	3
Sn	117	115	1	48.158	ug/l	1.30	166,225.84	2.776E-02	Pulse	0.10	3
Sn	118	115	1	48.212	ug/l	1.21	540,205.12	9.021E-02	Pulse	0.10	3
Sn	118	115	2	48.134	ug/l	1.25	154,313.39	1.157E-01	Pulse	0.10	3
Sn	119	115	1	47.970	ug/l	0.29	194,813.00	3.253E-02	Pulse	0.10	3
Sb	121	159	1	54.101	ug/l	0.30	634,797.24	6.473E-02	Pulse	0.10	3
Ba	137	159	1	48.934	ug/l	0.25	279,915.20	2.854E-02	Pulse	0.10	3
Tl	205	209	1	45.537	ug/l	2.33	1,444,099.56	2.566E-01	Analog	0.10	3
Pb	208	209	1	48.334	ug/l	0.82	2,102,662.43	3.737E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,911,091.29	0.53	89.4	Analog	0.10	3
1	Sc	45	3,490,845.47	0.80	96.4	Analog	0.10	3
2	Sc	45	170,643.96	1.31	97.1	Pulse	0.10	3
3	Sc	45	358,850.49	1.05	97.6	Pulse	0.10	3
1	Ge	72	740,847.36	0.30	96.8	Pulse	0.10	3
2	Ge	72	111,556.74	0.67	97.1	Pulse	0.10	3
3	Ge	72	182,737.71	1.17	98.8	Pulse	0.10	3
1	Rh	103	5,378,557.00	0.36	98.3	Analog	0.10	3
2	Rh	103	3,157,467.25	0.90	99.4	Analog	0.10	3
1	In	115	5,988,688.08	0.35	100.2	Analog	0.10	3
2	In	115	1,334,183.86	0.58	95.5	Pulse	0.10	3
1	Tb	159	9,806,231.73	0.42	101.5	Analog	0.10	3
2	Tb	159	5,463,852.00	0.25	98.6	Analog	0.10	3
1	Ho	165	9,447,321.52	0.33	101.4	Analog	0.10	3
2	Ho	165	5,426,024.29	0.09	99.3	Analog	0.10	3
1	Bi	209	5,627,217.21	0.47	98.5	Analog	0.10	3
2	Bi	209	3,726,496.93	0.54	96.4	Analog	0.10	3

Quantitation Report

File Name	036SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 0:12
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.004	ug/l	-80.99	12.00	6.293E-06	Pulse	0.25	3
B	11	6	1	0.691	ug/l	9.55	4,451.81	2.342E-03	Pulse	0.15	3
Na	23	45	1	-3.259	ug/l	-0.39	117,781.23	3.402E-02	Pulse	0.10	3
Na	23	45	2	-2.050	ug/l	-14.51	5,477.68	3.213E-02	Pulse	0.20	3
Mg	24	45	1	0.121	ug/l	23.79	3,143.77	9.082E-04	Pulse	0.10	3
Mg	24	45	2	0.058	ug/l	152.56	88.33	5.173E-04	Pulse	0.20	3
Al	27	45	1	0.258	ug/l	5.83	7,948.85	2.296E-03	Pulse	0.10	3
Al	27	45	2	0.259	ug/l	29.10	51.67	3.027E-04	Pulse	0.20	3
K	39	45	1	-2.600	ug/l	-19.04	927,018.01	2.678E-01	Pulse	0.10	3
K	39	45	2	0.455	ug/l	292.45	6,731.47	3.950E-02	Pulse	0.20	3
Ca	43	45	1	-1.126	ug/l	-22.88	84.00	2.428E-05	Pulse	1.50	3
Ca	43	45	2	-0.484	ug/l	-220.50	1.78	1.047E-05	Pulse	1.50	3
Ca	44	45	1	-1.788	ug/l	-13.21	2,360.27	6.817E-04	Pulse	0.10	3
Ca	44	45	2	0.433	ug/l	467.61	41.67	2.427E-04	Pulse	0.20	3
Ti	47	45	1	0.034	ug/l	29.31	123.34	3.565E-05	Pulse	0.10	3
Ti	47	45	2	0.034	ug/l	301.25	8.33	4.846E-05	Pulse	0.20	3
V	51	45	2	0.052	ug/l	46.55	458.35	2.687E-03	Pulse	0.20	3
Cr	52	45	2	0.055	ug/l	69.83	1,315.08	7.706E-03	Pulse	0.20	3
Mn	55	45	2	-0.010	ug/l	-137.51	40.00	2.336E-04	Pulse	0.20	3
Fe	56	45	2	0.825	ug/l	10.89	5,242.60	3.077E-02	Pulse	0.20	3
Co	59	45	2	-0.001	ug/l	-3.06	10.00	5.867E-05	Pulse	0.20	3
Ni	60	45	2	-0.023	ug/l	-155.11	173.34	1.016E-03	Pulse	0.20	3
Cu	63	45	2	-0.017	ug/l	-32.72	173.33	1.018E-03	Pulse	0.20	3
Cu	65	45	2	-0.014	ug/l	-79.31	90.00	5.279E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.165	ug/l	-25.59	168.33	9.893E-04	Pulse	0.20	3
As	75	45	2	0.025	ug/l	78.46	23.33	1.366E-04	Pulse	0.50	3
Se	78	45	2	-0.037	ug/l	-223.32	13.67	7.998E-05	Pulse	1.00	3
Se	78	45	3	0.041	ug/l	37.78	8.67	2.378E-05	Pulse	1.00	3
Sr	88	45	1	0.000	ug/l	-624.51	570.04	1.646E-04	Pulse	0.10	3
Mo	95	103	1	0.062	ug/l	30.89	533.36	9.695E-05	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	589.56	136.67	2.250E-05	Pulse	0.10	3
Cd	111	115	1	-0.002	ug/l	-105.62	21.33	3.513E-06	Pulse	0.25	3
Cd	111	115	2	0.002	ug/l	221.89	9.33	6.832E-06	Pulse	0.25	3
Sn	117	115	1	0.104	ug/l	16.68	533.37	8.782E-05	Pulse	0.10	3
Sn	118	115	1	0.087	ug/l	24.61	1,493.46	2.460E-04	Pulse	0.10	3
Sn	118	115	2	0.118	ug/l	18.44	570.04	4.163E-04	Pulse	0.10	3
Sn	119	115	1	0.075	ug/l	20.00	583.37	9.595E-05	Pulse	0.10	3
Sb	121	159	1	0.005	ug/l	316.11	1,956.86	2.012E-04	Pulse	0.10	3
Ba	137	159	1	-0.001	ug/l	-2070.38	773.38	7.947E-05	Pulse	0.10	3
Tl	205	209	1	0.242	ug/l	3.77	9,333.34	1.626E-03	Pulse	0.10	3
Pb	208	209	1	0.000	ug/l	-1039.77	733.37	1.278E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,901,272.23	1.50	88.9	Analog	0.10	3
1	Sc	45	3,461,860.37	0.70	95.6	Analog	0.10	3
2	Sc	45	170,486.48	1.58	97.0	Pulse	0.10	3
3	Sc	45	363,565.42	1.53	98.9	Pulse	0.10	3
1	Ge	72	745,664.07	1.15	97.4	Pulse	0.10	3
2	Ge	72	112,668.27	0.40	98.0	Pulse	0.10	3
3	Ge	72	188,649.86	1.45	101.9	Pulse	0.10	3
1	Rh	103	5,504,144.09	0.84	100.6	Analog	0.10	3
2	Rh	103	3,236,595.26	0.47	101.9	Analog	0.10	3
1	In	115	6,075,532.33	1.06	101.7	Analog	0.10	3
2	In	115	1,368,487.99	0.88	98.0	Mix	0.10	3
1	Tb	159	9,724,696.10	1.07	100.7	Analog	0.10	3
2	Tb	159	5,486,255.96	0.60	99.0	Analog	0.10	3
1	Ho	165	9,443,819.44	0.40	101.4	Analog	0.10	3
2	Ho	165	5,447,094.08	0.61	99.7	Analog	0.10	3
1	Bi	209	5,738,660.75	0.33	100.4	Analog	0.10	3
2	Bi	209	3,830,390.26	0.07	99.1	Analog	0.10	3

Quantitation Report

File Name	037SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 0:17
Sample Name	CRI 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.586	ug/l	6.45	2,021.48	1.062E-03	Pulse	0.25	3
B	11	6	1	5.176	ug/l	2.47	18,265.80	9.595E-03	Pulse	0.15	3
Na	23	45	1	245.047	ug/l	1.32	3,558,099.74	1.028E+00	Analog	0.10	3
Na	23	45	2	252.295	ug/l	2.08	132,072.98	7.899E-01	Pulse	0.20	3
Mg	24	45	1	253.616	ug/l	0.92	2,343,335.80	6.772E-01	Analog	0.10	3
Mg	24	45	2	253.012	ug/l	1.93	64,121.21	3.835E-01	Pulse	0.20	3
Al	27	45	1	25.190	ug/l	0.47	312,272.27	9.025E-02	Pulse	0.10	3
Al	27	45	2	25.962	ug/l	1.75	2,395.21	1.432E-02	Pulse	0.20	3
K	39	45	1	258.845	ug/l	0.50	5,234,377.42	1.513E+00	Analog	0.10	3
K	39	45	2	255.428	ug/l	1.52	66,961.97	4.004E-01	Pulse	0.20	3
Ca	43	45	1	258.340	ug/l	1.52	8,769.19	2.534E-03	Pulse	1.50	3
Ca	43	45	2	288.151	ug/l	6.03	216.22	1.293E-03	Pulse	1.50	3
Ca	44	45	1	258.510	ug/l	1.54	144,429.59	4.174E-02	Pulse	0.10	3
Ca	44	45	2	279.816	ug/l	4.05	3,715.49	2.222E-02	Pulse	0.20	3
Ti	47	45	1	1.000	ug/l	9.49	1,680.16	4.858E-04	Pulse	0.10	3
Ti	47	45	2	1.069	ug/l	6.12	110.00	6.581E-04	Pulse	0.20	3
V	51	45	2	1.122	ug/l	1.59	3,633.82	2.173E-02	Pulse	0.20	3
Cr	52	45	2	1.083	ug/l	4.60	5,267.62	3.151E-02	Pulse	0.20	3
Mn	55	45	2	0.519	ug/l	7.87	1,153.40	6.893E-03	Pulse	0.20	3
Fe	56	45	2	28.574	ug/l	2.30	87,505.53	5.233E-01	Pulse	0.20	3
Co	59	45	2	0.568	ug/l	7.93	3,473.78	2.079E-02	Pulse	0.20	3
Ni	60	45	2	1.206	ug/l	8.58	2,150.19	1.287E-02	Pulse	0.20	3
Cu	63	45	2	1.036	ug/l	2.85	4,730.79	2.829E-02	Pulse	0.20	3
Cu	65	45	2	1.032	ug/l	3.38	2,323.54	1.389E-02	Pulse	0.20	3
Zn	66	45	2	2.469	ug/l	4.87	2,076.84	1.242E-02	Pulse	0.20	3
As	75	45	2	0.578	ug/l	6.68	272.67	1.630E-03	Pulse	0.50	3
Se	78	45	2	0.685	ug/l	27.03	42.33	2.529E-04	Pulse	1.00	3
Se	78	45	3	0.496	ug/l	22.79	78.33	2.162E-04	Pulse	1.00	3
Sr	88	45	1	5.131	ug/l	1.42	193,251.42	5.585E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.036	ug/l	3.46	7,178.55	1.307E-03	Pulse	0.10	3
Ag	107	115	1	0.537	ug/l	4.10	8,585.99	1.412E-03	Pulse	0.10	3
Cd	111	115	1	0.537	ug/l	7.03	1,980.15	3.255E-04	Pulse	0.25	3
Cd	111	115	2	0.538	ug/l	4.99	782.70	5.770E-04	Pulse	0.25	3
Sn	117	115	1	4.734	ug/l	1.84	16,749.52	2.753E-03	Pulse	0.10	3
Sn	118	115	1	4.733	ug/l	0.71	54,318.42	8.930E-03	Pulse	0.10	3
Sn	118	115	2	4.762	ug/l	0.62	15,684.99	1.156E-02	Pulse	0.10	3
Sn	119	115	1	4.715	ug/l	2.52	19,693.02	3.238E-03	Pulse	0.10	3
Sb	121	159	1	0.625	ug/l	4.16	9,199.72	9.412E-04	Pulse	0.10	3
Ba	137	159	1	1.126	ug/l	5.70	7,188.60	7.352E-04	Pulse	0.10	3
Tl	205	209	1	0.514	ug/l	2.05	18,271.95	3.159E-03	Pulse	0.10	3
Pb	208	209	1	0.539	ug/l	1.63	24,855.91	4.297E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,903,675.95	0.42	89.0	Analog	0.10	3
1	Sc	45	3,460,266.72	0.80	95.5	Analog	0.10	3
2	Sc	45	167,234.69	1.32	95.1	Pulse	0.10	3
3	Sc	45	362,528.17	0.74	98.6	Pulse	0.10	3
1	Ge	72	747,800.17	0.90	97.7	Pulse	0.10	3
2	Ge	72	112,919.34	0.92	98.3	Pulse	0.10	3
3	Ge	72	186,036.53	0.91	100.5	Pulse	0.10	3
1	Rh	103	5,492,913.67	0.27	100.4	Analog	0.10	3
2	Rh	103	3,186,271.52	0.80	100.3	Analog	0.10	3
1	In	115	6,082,660.49	0.60	101.8	Analog	0.10	3
2	In	115	1,356,334.45	0.26	97.1	Analog	0.10	3
1	Tb	159	9,775,154.02	0.95	101.2	Analog	0.10	3
2	Tb	159	5,492,943.25	1.20	99.1	Analog	0.10	3
1	Ho	165	9,456,809.86	0.93	101.5	Analog	0.10	3
2	Ho	165	5,460,949.08	0.58	99.9	Analog	0.10	3
1	Bi	209	5,784,942.21	0.32	101.2	Analog	0.10	3
2	Bi	209	3,858,830.26	0.77	99.8	Analog	0.10	3

Quantitation Report

File Name	038SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 0:23
Sample Name	mp68786a-mb1 2
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.004	ug/l	-30.63	17.33	9.430E-06	Pulse	0.25	3
B	11	6	1	0.449	ug/l	9.32	2,915.89	1.588E-03	Pulse	0.15	3
Na	23	45	1	0.165	ug/l	232.03	153,811.49	4.740E-02	Pulse	0.10	3
Na	23	45	2	3.973	ug/l	49.48	7,021.59	4.416E-02	Pulse	0.20	3
Mg	24	45	1	1.003	ug/l	8.50	6,238.07	1.923E-03	Pulse	0.10	3
Mg	24	45	2	1.293	ug/l	52.84	225.01	1.409E-03	Pulse	0.20	3
Al	27	45	1	2.532	ug/l	2.06	18,988.07	5.851E-03	Pulse	0.10	3
Al	27	45	2	2.098	ug/l	42.55	116.67	7.334E-04	Pulse	0.20	3
K	39	45	1	-3.458	ug/l	-34.62	882,440.07	2.719E-01	Pulse	0.10	3
K	39	45	2	1.598	ug/l	292.90	6,358.02	3.999E-02	Pulse	0.20	3
Ca	43	45	1	5.671	ug/l	11.14	203.11	6.260E-05	Pulse	1.50	3
Ca	43	45	2	5.628	ug/l	32.56	4.00	2.513E-05	Pulse	1.50	3
Ca	44	45	1	2.955	ug/l	11.14	3,883.97	1.197E-03	Pulse	0.10	3
Ca	44	45	2	4.523	ug/l	68.39	61.67	3.866E-04	Pulse	0.20	3
Ti	47	45	1	0.277	ug/l	35.64	273.35	8.429E-05	Pulse	0.10	3
Ti	47	45	2	0.506	ug/l	104.41	28.33	1.774E-04	Pulse	0.20	3
V	51	45	2	0.434	ug/l	16.61	895.04	5.626E-03	Pulse	0.20	3
Cr	52	45	2	0.837	ug/l	0.77	2,566.92	1.613E-02	Pulse	0.20	3
Mn	55	45	2	0.059	ug/l	20.31	116.67	7.339E-04	Pulse	0.20	3
Fe	56	45	2	5.824	ug/l	0.71	10,790.39	6.781E-02	Pulse	0.20	3
Co	59	45	2	0.006	ug/l	42.57	31.67	1.988E-04	Pulse	0.20	3
Ni	60	45	2	-0.009	ug/l	-861.91	190.00	1.194E-03	Pulse	0.20	3
Cu	63	45	2	0.121	ug/l	7.64	481.69	3.028E-03	Pulse	0.20	3
Cu	65	45	2	0.124	ug/l	38.13	238.34	1.500E-03	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.033	ug/l	-450.66	260.01	1.635E-03	Pulse	0.20	3
As	75	45	2	0.137	ug/l	41.76	40.67	2.548E-04	Pulse	0.50	3
Se	78	45	2	-0.145	ug/l	-183.07	11.33	7.137E-05	Pulse	1.00	3
Se	78	45	3	0.038	ug/l	0.60	5.00	1.432E-05	Pulse	1.00	3
Sr	88	45	1	0.014	ug/l	21.09	786.72	2.424E-04	Pulse	0.10	3
Mo	95	103	1	0.108	ug/l	5.90	463.36	8.688E-05	Pulse	0.10	3
Ag	107	115	1	0.003	ug/l	80.57	150.01	2.533E-05	Pulse	0.10	3
Cd	111	115	1	0.001	ug/l	536.51	28.00	4.722E-06	Pulse	0.25	3
Cd	111	115	2	-0.003	ug/l	-2.63	4.00	3.028E-06	Pulse	0.25	3
Sn	117	115	1	0.332	ug/l	22.86	730.05	1.233E-04	Pulse	0.10	3
Sn	118	115	1	0.390	ug/l	8.17	2,646.99	4.470E-04	Pulse	0.10	3
Sn	118	115	2	0.413	ug/l	20.29	830.05	6.290E-04	Pulse	0.10	3
Sn	119	115	1	0.738	ug/l	91.71	1,751.29	2.950E-04	Pulse	0.10	3
Sb	121	159	1	0.115	ug/l	48.05	2,593.65	2.645E-04	Pulse	0.10	3
Ba	137	159	1	0.037	ug/l	117.85	890.06	9.077E-05	Pulse	0.10	3
Tl	205	209	1	0.102	ug/l	10.87	3,193.81	5.527E-04	Pulse	0.10	3
Pb	208	209	1	0.016	ug/l	53.45	1,110.07	1.922E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,836,265.70	1.28	85.9	Analog	0.10	3
1	Sc	45	3,244,893.91	0.85	89.6	Analog	0.10	3
2	Sc	45	159,129.72	1.56	90.5	Pulse	0.10	3
3	Sc	45	349,280.57	0.33	95.0	Pulse	0.10	3
1	Ge	72	741,570.41	1.40	96.9	Pulse	0.10	3
2	Ge	72	109,148.30	0.23	95.0	Pulse	0.10	3
3	Ge	72	185,562.86	0.57	100.3	Pulse	0.10	3
1	Rh	103	5,333,705.96	0.28	97.5	Analog	0.10	3
2	Rh	103	3,072,888.70	1.50	96.7	Analog	0.10	3
1	In	115	5,922,979.73	0.67	99.1	Analog	0.10	3
2	In	115	1,321,194.95	1.54	94.6	Pulse	0.10	3
1	Tb	159	9,807,710.68	0.27	101.5	Analog	0.10	3
2	Tb	159	5,445,737.63	0.56	98.3	Analog	0.10	3
1	Ho	165	9,533,819.86	0.29	102.3	Analog	0.10	3
2	Ho	165	5,409,853.04	0.28	99.0	Analog	0.10	3
1	Bi	209	5,777,442.21	0.51	101.1	Analog	0.10	3
2	Bi	209	3,793,730.15	0.57	98.1	Analog	0.10	3

Quantitation Report

File Name	039SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 0:28
Sample Name	mp68786a-mb2
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.006	ug/l	-51.87	14.67	8.104E-06	Pulse	0.25	3
B	11	6	1	0.006	ug/l	258.55	2,229.09	1.230E-03	Pulse	0.15	3
Na	23	45	1	-0.995	ug/l	-11.50	143,362.46	4.508E-02	Pulse	0.10	3
Na	23	45	2	2.378	ug/l	35.30	6,564.72	4.178E-02	Pulse	0.20	3
Mg	24	45	1	0.801	ug/l	14.15	5,257.71	1.653E-03	Pulse	0.10	3
Mg	24	45	2	1.044	ug/l	19.10	191.67	1.220E-03	Pulse	0.20	3
Al	27	45	1	2.214	ug/l	3.55	16,822.31	5.290E-03	Pulse	0.10	3
Al	27	45	2	2.135	ug/l	46.64	116.67	7.434E-04	Pulse	0.20	3
K	39	45	1	-5.313	ug/l	-20.43	850,702.41	2.675E-01	Pulse	0.10	3
K	39	45	2	3.857	ug/l	35.08	6,534.73	4.159E-02	Pulse	0.20	3
Ca	43	45	1	6.222	ug/l	11.66	207.56	6.527E-05	Pulse	1.50	3
Ca	43	45	2	14.687	ug/l	66.64	7.11	4.525E-05	Pulse	1.50	3
Ca	44	45	1	3.561	ug/l	25.19	3,957.32	1.245E-03	Pulse	0.10	3
Ca	44	45	2	1.160	ug/l	207.44	40.00	2.543E-04	Pulse	0.20	3
Ti	47	45	1	0.221	ug/l	63.36	226.68	7.127E-05	Pulse	0.10	3
Ti	47	45	2	0.120	ug/l	156.77	10.00	6.383E-05	Pulse	0.20	3
V	51	45	2	0.404	ug/l	23.02	841.71	5.354E-03	Pulse	0.20	3
Cr	52	45	2	0.411	ug/l	13.59	1,760.13	1.120E-02	Pulse	0.20	3
Mn	55	45	2	-0.009	ug/l	-294.29	48.33	3.074E-04	Pulse	0.20	3
Fe	56	45	2	3.398	ug/l	5.70	7,270.09	4.627E-02	Pulse	0.20	3
Co	59	45	2	0.016	ug/l	46.95	60.00	3.814E-04	Pulse	0.20	3
Ni	60	45	2	1.140	ug/l	5.43	1,058.39	6.737E-03	Pulse	0.20	3
Cu	63	45	2	3.721	ug/l	3.01	7,803.67	4.966E-02	Pulse	0.20	3
Cu	65	45	2	3.695	ug/l	1.23	3,818.86	2.430E-02	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.533	ug/l	35.71	450.02	2.863E-03	Pulse	0.20	3
As	75	45	2	0.049	ug/l	122.51	21.33	1.356E-04	Pulse	0.50	3
Se	78	45	2	-0.033	ug/l	-248.49	13.33	8.486E-05	Pulse	1.00	3
Se	78	45	3	0.029	ug/l	190.81	4.33	1.246E-05	Pulse	1.00	3
Sr	88	45	1	0.008	ug/l	23.78	666.71	2.097E-04	Pulse	0.10	3
Mo	95	103	1	0.069	ug/l	43.09	326.69	6.266E-05	Pulse	0.10	3
Ag	107	115	1	0.010	ug/l	30.92	196.68	3.387E-05	Pulse	0.10	3
Cd	111	115	1	-0.004	ug/l	-166.57	18.67	3.213E-06	Pulse	0.25	3
Cd	111	115	2	-0.003	ug/l	-175.55	4.00	3.052E-06	Pulse	0.25	3
Sn	117	115	1	0.226	ug/l	9.65	540.04	9.300E-05	Pulse	0.10	3
Sn	118	115	1	0.171	ug/l	24.76	1,406.78	2.422E-04	Pulse	0.10	3
Sn	118	115	2	0.299	ug/l	9.32	646.71	4.928E-04	Pulse	0.10	3
Sn	119	115	1	0.201	ug/l	7.74	656.71	1.131E-04	Pulse	0.10	3
Sb	121	159	1	0.095	ug/l	18.73	2,440.30	2.522E-04	Pulse	0.10	3
Ba	137	159	1	0.055	ug/l	51.52	930.06	9.610E-05	Pulse	0.10	3
Tl	205	209	1	0.021	ug/l	17.26	1,856.87	3.244E-04	Pulse	0.10	3
Pb	208	209	1	0.014	ug/l	47.87	1,053.40	1.841E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,811,845.75	1.12	84.7	Analog	0.10	3
1	Sc	45	3,180,003.18	0.25	87.8	Analog	0.10	3
2	Sc	45	157,130.29	0.53	89.4	Pulse	0.10	3
3	Sc	45	348,489.38	0.65	94.8	Pulse	0.10	3
1	Ge	72	734,240.25	1.13	95.9	Pulse	0.10	3
2	Ge	72	107,620.77	0.91	93.6	Pulse	0.10	3
3	Ge	72	184,107.29	1.34	99.5	Pulse	0.10	3
1	Rh	103	5,215,820.13	0.30	95.3	Analog	0.10	3
2	Rh	103	3,044,171.31	0.95	95.8	Analog	0.10	3
1	In	115	5,807,301.68	0.08	97.2	Analog	0.10	3
2	In	115	1,312,082.80	0.56	93.9	Pulse	0.10	3
1	Tb	159	9,677,316.94	0.28	100.2	Analog	0.10	3
2	Tb	159	5,475,925.13	0.80	98.8	Analog	0.10	3
1	Ho	165	9,391,263.19	0.12	100.8	Analog	0.10	3
2	Ho	165	5,413,512.21	0.34	99.1	Analog	0.10	3
1	Bi	209	5,724,858.87	0.44	100.2	Analog	0.10	3
2	Bi	209	3,803,026.72	0.50	98.4	Analog	0.10	3

Quantitation Report

File Name	040SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 0:33
Sample Name	mp68786a-lc1
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	507.887	ug/l	1.56	784,981.62	4.548E-01	Pulse	0.25	3
B	11	6	1	3.612	ug/l	5.69	7,152.79	4.145E-03	Pulse	0.15	3
Na	23	45	1	9357.720	ug/l	0.42	56,824,190.82	1.878E+01	Analog	0.10	3
Na	23	45	2	9946.266	ug/l	1.22	2,175,324.60	1.485E+01	Analog	0.20	3
Mg	24	45	1	5286.631	ug/l	0.57	21,336,928.85	7.053E+00	Analog	0.10	3
Mg	24	45	2	5279.544	ug/l	0.47	585,361.09	3.997E+00	Pulse	0.20	3
Al	27	45	1	4798.945	ug/l	0.90	25,611,030.45	8.466E+00	Analog	0.10	3
Al	27	45	2	4683.240	ug/l	1.27	187,078.96	1.277E+00	Pulse	0.20	3
K	39	45	1	9855.105	ug/l	0.53	71,832,207.26	2.374E+01	Analog	0.10	3
K	39	45	2	9435.669	ug/l	0.25	983,782.35	6.717E+00	Pulse	0.20	3
Ca	43	45	1	5430.131	ug/l	0.35	79,569.24	2.630E-02	Pulse	1.50	3
Ca	43	45	2	5254.070	ug/l	1.12	1,711.65	1.169E-02	Pulse	1.50	3
Ca	44	45	1	5524.162	ug/l	1.24	1,321,040.53	4.367E-01	Analog	0.10	3
Ca	44	45	2	5383.182	ug/l	1.93	31,037.55	2.119E-01	Pulse	0.20	3
Ti	47	45	1	456.516	ug/l	0.54	322,003.22	1.064E-01	Pulse	0.10	3
Ti	47	45	2	444.825	ug/l	1.67	19,183.02	1.310E-01	Pulse	0.20	3
V	51	45	2	520.936	ug/l	0.96	679,332.52	4.639E+00	Pulse	0.20	3
Cr	52	45	2	518.905	ug/l	0.90	880,111.34	6.010E+00	Pulse	0.20	3
Mn	55	45	2	505.552	ug/l	0.72	465,583.21	3.179E+00	Pulse	0.20	3
Fe	56	45	2	5570.351	ug/l	0.98	7,242,879.48	4.946E+01	Analog	0.20	3
Co	59	45	2	507.725	ug/l	1.35	1,355,124.15	9.253E+00	Mix	0.20	3
Ni	60	45	2	500.223	ug/l	1.18	353,483.21	2.414E+00	Pulse	0.20	3
Cu	63	45	2	501.261	ug/l	1.12	951,047.87	6.494E+00	Pulse	0.20	3
Cu	65	45	2	504.542	ug/l	0.99	471,853.91	3.222E+00	Pulse	0.20	3
Zn	66	45	2	448.247	ug/l	1.47	142,718.27	9.745E-01	Pulse	0.20	3
As	75	45	2	469.369	ug/l	1.66	92,781.56	6.336E-01	Pulse	0.50	3
Se	78	45	2	426.439	ug/l	1.45	7,492.07	5.116E-02	Pulse	1.00	3
Se	78	45	3	422.747	ug/l	0.33	29,129.94	8.936E-02	Pulse	1.00	3
Sr	88	45	1	0.135	ug/l	3.58	2,730.35	9.026E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	464.055	ug/l	0.90	1,417,685.08	2.884E-01	Analog	0.10	3
Ag	107	115	1	201.286	ug/l	0.25	1,459,919.93	2.606E-01	Analog	0.10	3
Cd	111	115	1	482.213	ug/l	0.15	806,819.71	1.440E-01	Pulse	0.25	3
Cd	111	115	2	488.984	ug/l	1.01	314,047.78	2.598E-01	Pulse	0.25	3
Sn	117	115	1	0.267	ug/l	55.14	586.70	1.047E-04	Pulse	0.10	3
Sn	118	115	1	0.283	ug/l	10.57	1,946.86	3.475E-04	Pulse	0.10	3
Sn	118	115	2	0.353	ug/l	15.83	673.37	5.572E-04	Pulse	0.10	3
Sn	119	115	1	0.308	ug/l	17.50	836.72	1.494E-04	Pulse	0.10	3
Sb	121	159	1	530.454	ug/l	0.57	3,036,654.54	3.166E-01	Analog	0.10	3
Ba	137	159	1	485.773	ug/l	0.85	1,355,944.87	1.414E-01	Pulse	0.10	3
Tl	205	209	1	500.530	ug/l	0.99	7,803,248.84	1.409E+00	Analog	0.10	3
Pb	208	209	1	513.064	ug/l	0.54	10,978,778.33	1.983E+00	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,726,138.25	1.66	80.7	Analog	0.10	3
1	Sc	45	3,025,268.70	0.30	83.5	Analog	0.10	3
2	Sc	45	146,457.64	1.23	83.3	Pulse	0.10	3
3	Sc	45	325,981.75	0.52	88.7	Pulse	0.10	3
1	Ge	72	712,325.75	1.50	93.0	Pulse	0.10	3
2	Ge	72	102,042.08	1.24	88.8	Pulse	0.10	3
3	Ge	72	174,147.33	1.61	94.1	Pulse	0.10	3
1	Rh	103	4,916,067.42	0.87	89.8	Analog	0.10	3
2	Rh	103	2,855,927.77	0.58	89.9	Analog	0.10	3
1	In	115	5,602,578.91	0.17	93.8	Analog	0.10	3
2	In	115	1,208,585.76	0.15	86.5	Pulse	0.10	3
1	Tb	159	9,591,913.19	0.53	99.3	Analog	0.10	3
2	Tb	159	5,294,269.51	0.37	95.5	Analog	0.10	3
1	Ho	165	9,333,103.82	0.53	100.2	Analog	0.10	3
2	Ho	165	5,284,598.05	0.31	96.7	Analog	0.10	3
1	Bi	209	5,537,285.75	0.57	96.9	Analog	0.10	3
2	Bi	209	3,606,765.68	0.65	93.3	Analog	0.10	3

Quantitation Report

File Name	041SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 0:38
Sample Name	mp68786a-s1
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	51.537	ug/l	1.50	16,945.91	9.244E-03	Pulse	0.25	3
B	11	6	1	146.831	ug/l	2.18	45,773.10	2.497E-02	Pulse	0.15	3
Na	23	45	1	85633.495	ug/l	0.82	114,607,104.96	3.434E+01	Analog	0.10	3
Na	23	45	2	88846.008	ug/l	1.55	4,296,941.92	2.651E+01	Analog	0.20	3
Mg	24	45	1	46735.591	ug/l	1.25	41,620,275.21	1.247E+01	Analog	0.10	3
Mg	24	45	2	45602.396	ug/l	1.51	1,119,227.85	6.904E+00	Pulse	0.20	3
Al	27	45	1	2090.453	ug/l	0.74	2,465,925.80	7.388E-01	Analog	0.10	3
Al	27	45	2	2019.245	ug/l	4.26	17,876.40	1.103E-01	Pulse	0.20	3
K	39	45	1	28628.791	ug/l	0.85	46,436,039.31	1.391E+01	Analog	0.10	3
K	39	45	2	27266.676	ug/l	1.98	631,962.02	3.899E+00	Pulse	0.20	3
Ca	43	45	1	135186.555	ug/l	0.48	436,635.82	1.308E-01	Pulse	1.50	3
Ca	43	45	2	134758.202	ug/l	2.07	9,708.38	5.989E-02	Pulse	1.50	3
Ca	44	45	1	135920.830	ug/l	1.16	7,159,699.68	2.145E+00	Analog	0.10	3
Ca	44	45	2	132312.397	ug/l	1.52	168,747.49	1.041E+00	Pulse	0.20	3
Ti	47	45	1	10.932	ug/l	2.04	1,766.83	5.294E-04	Pulse	0.10	3
Ti	47	45	2	9.461	ug/l	13.68	95.00	5.855E-04	Pulse	0.20	3
V	51	45	2	508.423	ug/l	1.44	147,006.12	9.069E-01	Pulse	0.20	3
Cr	52	45	2	204.740	ug/l	1.32	77,837.16	4.802E-01	Pulse	0.20	3
Mn	55	45	2	540.237	ug/l	1.69	110,185.89	6.797E-01	Pulse	0.20	3
Fe	56	45	2	1374.130	ug/l	1.57	398,028.21	2.455E+00	Pulse	0.20	3
Co	59	45	2	489.714	ug/l	1.49	289,372.15	1.785E+00	Pulse	0.20	3
Ni	60	45	2	493.682	ug/l	1.34	77,396.07	4.774E-01	Pulse	0.20	3
Cu	63	45	2	246.400	ug/l	2.15	103,706.51	6.398E-01	Pulse	0.20	3
Cu	65	45	2	248.694	ug/l	2.62	51,587.86	3.183E-01	Pulse	0.20	3
Zn	66	45	2	498.091	ug/l	1.58	35,323.23	2.179E-01	Pulse	0.20	3
As	75	45	2	2073.816	ug/l	2.12	90,752.90	5.599E-01	Pulse	0.50	3
Se	78	45	2	1983.979	ug/l	1.27	7,717.84	4.761E-02	Pulse	1.00	3
Se	78	45	3	1996.963	ug/l	1.40	29,730.70	8.443E-02	Pulse	1.00	3
Sr	88	45	1	427.153	ug/l	1.16	1,547,691.69	4.637E-01	Analog	0.10	3
Mo	95	103	1	1.625	ug/l	6.96	1,133.42	2.214E-04	Pulse	0.10	3
Ag	107	115	1	50.943	ug/l	0.73	77,128.23	1.321E-02	Pulse	0.10	3
Cd	111	115	1	51.034	ug/l	1.78	17,822.17	3.053E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	51.043	ug/l	1.30	7,128.36	5.430E-03	Pulse	0.25	3
Sn	117	115	1	-0.226	ug/l	-75.42	86.67	1.487E-05	Pulse	0.10	3
Sn	118	115	1	-0.121	ug/l	-20.73	350.02	5.996E-05	Pulse	0.10	3
Sn	118	115	2	-0.261	ug/l	-60.90	93.34	7.103E-05	Pulse	0.10	3
Sn	119	115	1	-0.120	ug/l	-182.52	216.68	3.707E-05	Pulse	0.10	3
Sb	121	159	1	589.187	ug/l	1.03	677,363.40	7.048E-02	Pulse	0.10	3
Ba	137	159	1	2126.227	ug/l	0.33	1,189,409.25	1.238E-01	Pulse	0.10	3
Tl	205	209	1	1957.143	ug/l	1.88	6,105,499.49	1.102E+00	Analog	0.10	3
Pb	208	209	1	513.282	ug/l	0.43	2,198,254.51	3.968E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,833,223.80	0.27	85.7	Analog	0.10	3
1	Sc	45	3,337,665.89	0.61	92.2	Analog	0.10	3
2	Sc	45	162,127.17	1.54	92.2	Pulse	0.10	3
3	Sc	45	352,150.09	0.36	95.8	Pulse	0.10	3
1	Ge	72	713,173.69	0.79	93.2	Pulse	0.10	3
2	Ge	72	107,395.85	1.14	93.4	Pulse	0.10	3
3	Ge	72	178,885.26	1.78	96.7	Pulse	0.10	3
1	Rh	103	5,118,109.20	0.75	93.5	Analog	0.10	3
2	Rh	103	3,020,655.48	0.69	95.1	Analog	0.10	3
1	In	115	5,838,476.05	0.55	97.7	Analog	0.10	3
2	In	115	1,312,870.97	0.26	94.0	Pulse	0.10	3
1	Tb	159	9,610,463.61	0.48	99.5	Analog	0.10	3
2	Tb	159	5,450,065.13	0.69	98.3	Analog	0.10	3
1	Ho	165	9,235,918.61	0.82	99.1	Analog	0.10	3
2	Ho	165	5,427,452.21	0.91	99.3	Analog	0.10	3
1	Bi	209	5,539,922.42	0.19	96.9	Analog	0.10	3
2	Bi	209	3,682,781.30	0.42	95.2	Analog	0.10	3

Quantitation Report

File Name	042SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 0:43
Sample Name	mp68786a-s2
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	50.236	ug/l	1.96	17,134.07	9.011E-03	Pulse	0.25	3
B	11	6	1	143.964	ug/l	1.70	46,595.18	2.450E-02	Pulse	0.15	3
Na	23	45	1	84164.963	ug/l	0.45	115,423,204.95	3.375E+01	Analog	0.10	3
Na	23	45	2	86145.981	ug/l	1.38	4,289,250.15	2.570E+01	Analog	0.20	3
Mg	24	45	1	46086.739	ug/l	0.83	42,053,253.54	1.230E+01	Analog	0.10	3
Mg	24	45	2	44362.817	ug/l	1.32	1,120,874.20	6.717E+00	Pulse	0.20	3
Al	27	45	1	2058.808	ug/l	0.73	2,488,608.09	7.277E-01	Analog	0.10	3
Al	27	45	2	1942.777	ug/l	1.25	17,712.94	1.061E-01	Pulse	0.20	3
K	39	45	1	28300.712	ug/l	0.34	47,047,435.96	1.376E+01	Analog	0.10	3
K	39	45	2	27023.714	ug/l	0.42	644,907.50	3.864E+00	Pulse	0.20	3
Ca	43	45	1	131979.115	ug/l	0.01	436,788.23	1.277E-01	Pulse	1.50	3
Ca	43	45	2	131100.296	ug/l	2.43	9,723.06	5.827E-02	Pulse	1.50	3
Ca	44	45	1	131807.252	ug/l	0.20	7,114,215.73	2.080E+00	Analog	0.10	3
Ca	44	45	2	129713.597	ug/l	0.96	170,313.12	1.021E+00	Pulse	0.20	3
Ti	47	45	1	10.748	ug/l	14.23	1,780.18	5.208E-04	Pulse	0.10	3
Ti	47	45	2	8.308	ug/l	38.39	86.67	5.176E-04	Pulse	0.20	3
V	51	45	2	493.749	ug/l	2.37	146,961.86	8.807E-01	Pulse	0.20	3
Cr	52	45	2	195.205	ug/l	0.32	76,456.13	4.581E-01	Pulse	0.20	3
Mn	55	45	2	523.392	ug/l	2.00	109,890.46	6.586E-01	Pulse	0.20	3
Fe	56	45	2	1315.237	ug/l	1.86	392,291.20	2.351E+00	Pulse	0.20	3
Co	59	45	2	479.143	ug/l	2.54	291,431.80	1.747E+00	Pulse	0.20	3
Ni	60	45	2	482.423	ug/l	2.38	77,853.10	4.666E-01	Pulse	0.20	3
Cu	63	45	2	243.726	ug/l	1.57	105,608.65	6.329E-01	Pulse	0.20	3
Cu	65	45	2	242.732	ug/l	1.93	51,838.63	3.107E-01	Pulse	0.20	3
Zn	66	45	2	497.710	ug/l	1.62	36,335.52	2.177E-01	Pulse	0.20	3
As	75	45	2	2015.371	ug/l	1.86	90,793.78	5.441E-01	Pulse	0.50	3
Se	78	45	2	1985.439	ug/l	3.07	7,949.62	4.764E-02	Pulse	1.00	3
Se	78	45	3	1953.716	ug/l	1.70	29,523.29	8.260E-02	Pulse	1.00	3
Sr	88	45	1	408.549	ug/l	0.88	1,516,778.88	4.435E-01	Analog	0.10	3
Mo	95	103	1	1.144	ug/l	21.52	840.06	1.616E-04	Pulse	0.10	3
Ag	107	115	1	49.963	ug/l	0.52	76,715.95	1.296E-02	Pulse	0.10	3
Cd	111	115	1	50.120	ug/l	2.01	17,751.48	2.998E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	48.637	ug/l	2.31	6,906.95	5.174E-03	Pulse	0.25	3
Sn	117	115	1	-0.161	ug/l	-91.72	110.00	1.860E-05	Pulse	0.10	3
Sn	118	115	1	-0.014	ug/l	-334.00	473.36	7.992E-05	Pulse	0.10	3
Sn	118	115	2	-0.027	ug/l	-771.88	170.01	1.273E-04	Pulse	0.10	3
Sn	119	115	1	-0.102	ug/l	-16.38	226.68	3.829E-05	Pulse	0.10	3
Sb	121	159	1	573.632	ug/l	0.76	668,494.29	6.863E-02	Pulse	0.10	3
Ba	137	159	1	2078.293	ug/l	0.57	1,178,451.02	1.210E-01	Pulse	0.10	3
Tl	205	209	1	1933.755	ug/l	1.42	6,106,415.95	1.089E+00	Analog	0.10	3
Pb	208	209	1	504.710	ug/l	0.49	2,187,714.07	3.902E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,901,688.83	1.30	88.9	Analog	0.10	3
1	Sc	45	3,419,991.41	0.61	94.4	Analog	0.10	3
2	Sc	45	166,896.51	1.36	94.9	Pulse	0.10	3
3	Sc	45	357,466.39	0.91	97.2	Pulse	0.10	3
1	Ge	72	723,011.45	0.24	94.4	Pulse	0.10	3
2	Ge	72	110,392.67	1.80	96.1	Pulse	0.10	3
3	Ge	72	181,673.03	0.65	98.2	Pulse	0.10	3
1	Rh	103	5,196,438.57	0.60	95.0	Analog	0.10	3
2	Rh	103	3,071,728.60	0.25	96.7	Analog	0.10	3
1	In	115	5,921,191.20	0.41	99.1	Analog	0.10	3
2	In	115	1,334,944.11	0.19	95.6	Pulse	0.10	3
1	Tb	159	9,741,567.35	0.78	100.8	Analog	0.10	3
2	Tb	159	5,559,371.17	0.20	100.3	Analog	0.10	3
1	Ho	165	9,370,295.48	1.17	100.6	Analog	0.10	3
2	Ho	165	5,486,368.46	0.37	100.4	Analog	0.10	3
1	Bi	209	5,607,120.75	1.05	98.1	Analog	0.10	3
2	Bi	209	3,771,024.73	0.70	97.5	Analog	0.10	3

Quantitation Report

File Name	043SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 0:48
Sample Name	mp68786a-s3
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	45.815	ug/l	1.89	16,109.09	8.219E-03	Pulse	0.25	3
B	11	6	1	127.540	ug/l	0.84	42,821.05	2.185E-02	Pulse	0.15	3
Na	23	45	1	76250.913	ug/l	1.19	107,265,375.07	3.058E+01	Analog	0.10	3
Na	23	45	2	79129.157	ug/l	1.02	3,938,619.84	2.361E+01	Analog	0.20	3
Mg	24	45	1	41466.039	ug/l	1.03	38,806,731.92	1.106E+01	Analog	0.10	3
Mg	24	45	2	40948.915	ug/l	0.48	1,034,162.77	6.200E+00	Pulse	0.20	3
Al	27	45	1	1752.849	ug/l	1.49	2,173,661.63	6.197E-01	Analog	0.10	3
Al	27	45	2	1773.854	ug/l	0.53	16,166.35	9.692E-02	Pulse	0.20	3
K	39	45	1	26094.114	ug/l	1.06	44,563,532.67	1.271E+01	Analog	0.10	3
K	39	45	2	25548.615	ug/l	0.23	609,738.73	3.655E+00	Pulse	0.20	3
Ca	43	45	1	118555.386	ug/l	0.11	402,412.61	1.147E-01	Pulse	1.50	3
Ca	43	45	2	122373.233	ug/l	0.48	9,072.46	5.439E-02	Pulse	1.50	3
Ca	44	45	1	119634.368	ug/l	0.17	6,622,698.03	1.888E+00	Analog	0.10	3
Ca	44	45	2	117955.489	ug/l	0.43	154,802.41	9.281E-01	Pulse	0.20	3
Ti	47	45	1	1.249	ug/l	27.49	273.35	7.797E-05	Pulse	0.10	3
Ti	47	45	2	0.537	ug/l	189.97	10.00	5.998E-05	Pulse	0.20	3
V	51	45	2	459.501	ug/l	1.53	136,737.76	8.198E-01	Pulse	0.20	3
Cr	52	45	2	185.102	ug/l	0.64	72,512.67	4.347E-01	Pulse	0.20	3
Mn	55	45	2	487.123	ug/l	1.35	102,239.40	6.129E-01	Pulse	0.20	3
Fe	56	45	2	972.740	ug/l	1.54	290,718.78	1.743E+00	Pulse	0.20	3
Co	59	45	2	453.368	ug/l	0.77	275,666.77	1.653E+00	Pulse	0.20	3
Ni	60	45	2	450.641	ug/l	0.68	72,711.71	4.359E-01	Pulse	0.20	3
Cu	63	45	2	230.731	ug/l	1.56	99,944.98	5.992E-01	Pulse	0.20	3
Cu	65	45	2	229.371	ug/l	1.60	48,971.50	2.936E-01	Pulse	0.20	3
Zn	66	45	2	462.723	ug/l	1.55	33,786.74	2.026E-01	Pulse	0.20	3
As	75	45	2	1911.029	ug/l	0.96	86,058.18	5.159E-01	Pulse	0.50	3
Se	78	45	2	1863.818	ug/l	0.70	7,461.39	4.473E-02	Pulse	1.00	3
Se	78	45	3	1820.581	ug/l	0.57	27,963.23	7.697E-02	Pulse	1.00	3
Sr	88	45	1	364.821	ug/l	0.63	1,389,156.49	3.961E-01	Analog	0.10	3
Mo	95	103	1	0.859	ug/l	14.11	670.04	1.262E-04	Pulse	0.10	3
Ag	107	115	1	47.537	ug/l	0.52	74,365.58	1.233E-02	Pulse	0.10	3
Cd	111	115	1	45.065	ug/l	1.25	16,263.21	2.696E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	44.969	ug/l	3.19	6,468.09	4.784E-03	Pulse	0.25	3
Sn	117	115	1	0.302	ug/l	121.41	273.35	4.526E-05	Pulse	0.10	3
Sn	118	115	1	0.341	ug/l	13.85	883.40	1.464E-04	Pulse	0.10	3
Sn	118	115	2	0.109	ug/l	233.00	216.67	1.599E-04	Pulse	0.10	3
Sn	119	115	1	0.173	ug/l	66.37	343.35	5.691E-05	Pulse	0.10	3
Sb	121	159	1	537.636	ug/l	1.62	626,696.33	6.433E-02	Pulse	0.10	3
Ba	137	159	1	1924.927	ug/l	0.72	1,091,646.57	1.121E-01	Pulse	0.10	3
Tl	205	209	1	1795.618	ug/l	1.66	5,671,760.95	1.011E+00	Analog	0.10	3
Pb	208	209	1	461.223	ug/l	1.17	1,999,900.51	3.566E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,959,964.49	0.65	91.7	Analog	0.10	3
1	Sc	45	3,507,492.24	0.54	96.8	Analog	0.10	3
2	Sc	45	166,803.06	0.22	94.9	Pulse	0.10	3
3	Sc	45	363,298.25	1.39	98.8	Pulse	0.10	3
1	Ge	72	740,262.44	0.97	96.7	Pulse	0.10	3
2	Ge	72	111,761.18	0.62	97.2	Pulse	0.10	3
3	Ge	72	183,368.72	1.22	99.1	Pulse	0.10	3
1	Rh	103	5,308,807.84	0.01	97.0	Analog	0.10	3
2	Rh	103	3,093,436.93	0.40	97.4	Analog	0.10	3
1	In	115	6,032,200.25	0.37	100.9	Analog	0.10	3
2	In	115	1,352,242.36	0.77	96.8	Pulse	0.10	3
1	Tb	159	9,742,807.36	1.19	100.8	Analog	0.10	3
2	Tb	159	5,528,075.33	0.83	99.7	Analog	0.10	3
1	Ho	165	9,448,381.32	0.82	101.4	Analog	0.10	3
2	Ho	165	5,488,938.46	0.57	100.5	Analog	0.10	3
1	Bi	209	5,608,884.92	0.57	98.1	Analog	0.10	3
2	Bi	209	3,739,338.59	0.51	96.7	Analog	0.10	3

Quantitation Report

File Name	044SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 0:53
Sample Name	mp68786a-s4
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	49.207	ug/l	1.27	17,046.00	8.826E-03	Pulse	0.25	3
B	11	6	1	141.831	ug/l	0.98	46,662.04	2.416E-02	Pulse	0.15	3
Na	23	45	1	81066.074	ug/l	0.47	114,510,608.29	3.251E+01	Analog	0.10	3
Na	23	45	2	83095.583	ug/l	0.78	4,206,456.61	2.479E+01	Analog	0.20	3
Mg	24	45	1	43791.588	ug/l	0.24	41,156,371.89	1.168E+01	Analog	0.10	3
Mg	24	45	2	43085.392	ug/l	0.57	1,106,726.26	6.523E+00	Pulse	0.20	3
Al	27	45	1	1836.167	ug/l	0.61	2,286,427.00	6.491E-01	Analog	0.10	3
Al	27	45	2	1826.549	ug/l	1.93	16,932.07	9.979E-02	Pulse	0.20	3
K	39	45	1	27762.965	ug/l	0.74	47,552,167.62	1.350E+01	Analog	0.10	3
K	39	45	2	26905.901	ug/l	0.61	652,761.97	3.848E+00	Pulse	0.20	3
Ca	43	45	1	126087.377	ug/l	0.53	429,784.35	1.220E-01	Pulse	1.50	3
Ca	43	45	2	127761.510	ug/l	2.16	9,633.89	5.678E-02	Pulse	1.50	3
Ca	44	45	1	126332.895	ug/l	0.89	7,023,395.73	1.994E+00	Analog	0.10	3
Ca	44	45	2	124783.734	ug/l	0.65	166,562.24	9.818E-01	Pulse	0.20	3
Ti	47	45	1	0.633	ug/l	12.35	173.34	4.923E-05	Pulse	0.10	3
Ti	47	45	2	-0.482	ug/l	0.00	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	484.211	ug/l	1.21	146,542.90	8.638E-01	Pulse	0.20	3
Cr	52	45	2	194.059	ug/l	1.25	77,269.35	4.554E-01	Pulse	0.20	3
Mn	55	45	2	510.463	ug/l	0.56	108,969.66	6.423E-01	Pulse	0.20	3
Fe	56	45	2	1018.013	ug/l	1.19	309,327.44	1.823E+00	Pulse	0.20	3
Co	59	45	2	474.920	ug/l	0.50	293,707.03	1.731E+00	Pulse	0.20	3
Ni	60	45	2	480.930	ug/l	0.41	78,913.20	4.651E-01	Pulse	0.20	3
Cu	63	45	2	239.296	ug/l	1.82	105,415.77	6.214E-01	Pulse	0.20	3
Cu	65	45	2	239.137	ug/l	2.97	51,920.47	3.061E-01	Pulse	0.20	3
Zn	66	45	2	490.279	ug/l	1.69	36,392.35	2.145E-01	Pulse	0.20	3
As	75	45	2	2011.398	ug/l	0.91	92,126.38	5.430E-01	Pulse	0.50	3
Se	78	45	2	1977.330	ug/l	1.06	8,050.34	4.745E-02	Pulse	1.00	3
Se	78	45	3	1942.901	ug/l	0.73	30,121.75	8.214E-02	Pulse	1.00	3
Sr	88	45	1	389.417	ug/l	0.12	1,489,117.84	4.228E-01	Analog	0.10	3
Mo	95	103	1	0.873	ug/l	20.37	683.38	1.280E-04	Pulse	0.10	3
Ag	107	115	1	50.450	ug/l	1.42	78,652.32	1.308E-02	Pulse	0.10	3
Cd	111	115	1	48.354	ug/l	0.95	17,389.74	2.893E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	47.551	ug/l	3.32	6,845.58	5.058E-03	Pulse	0.25	3
Sn	117	115	1	-0.003	ug/l	-6928.09	166.68	2.773E-05	Pulse	0.10	3
Sn	118	115	1	0.030	ug/l	9.60	530.03	8.817E-05	Pulse	0.10	3
Sn	118	115	2	-0.229	ug/l	-34.05	106.67	7.884E-05	Pulse	0.10	3
Sn	119	115	1	-0.062	ug/l	-221.98	246.68	4.100E-05	Pulse	0.10	3
Sb	121	159	1	564.096	ug/l	0.89	664,758.30	6.749E-02	Pulse	0.10	3
Ba	137	159	1	2014.441	ug/l	0.71	1,155,008.66	1.173E-01	Pulse	0.10	3
Tl	205	209	1	1869.599	ug/l	1.21	5,938,655.12	1.053E+00	Analog	0.10	3
Pb	208	209	1	489.320	ug/l	0.28	2,133,858.58	3.783E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,931,333.41	0.78	90.3	Analog	0.10	3
1	Sc	45	3,522,431.51	0.86	97.3	Analog	0.10	3
2	Sc	45	169,659.06	0.60	96.5	Pulse	0.10	3
3	Sc	45	366,701.96	0.64	99.8	Pulse	0.10	3
1	Ge	72	742,525.90	0.53	97.0	Pulse	0.10	3
2	Ge	72	113,661.52	0.75	98.9	Pulse	0.10	3
3	Ge	72	188,286.91	1.02	101.7	Pulse	0.10	3
1	Rh	103	5,336,555.34	0.67	97.5	Analog	0.10	3
2	Rh	103	3,091,194.64	0.65	97.3	Analog	0.10	3
1	In	115	6,011,898.53	0.60	100.6	Analog	0.10	3
2	In	115	1,353,363.49	0.34	96.9	Mix	0.10	3
1	Tb	159	9,850,285.27	0.92	102.0	Analog	0.10	3
2	Tb	159	5,571,960.54	0.43	100.5	Analog	0.10	3
1	Ho	165	9,474,861.32	0.54	101.7	Analog	0.10	3
2	Ho	165	5,544,449.50	0.68	101.5	Analog	0.10	3
1	Bi	209	5,640,879.50	0.49	98.7	Analog	0.10	3
2	Bi	209	3,788,612.03	0.47	98.0	Analog	0.10	3

Quantitation Report

File Name	045SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 0:58
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.001	ug/l	-226.72	21.33	1.098E-05	Pulse	0.25	3
B	11	6	1	0.253	ug/l	22.01	3,180.38	1.634E-03	Pulse	0.15	3
Na	23	45	1	-2.695	ug/l	-3.53	126,318.95	3.628E-02	Pulse	0.10	3
Na	23	45	2	-1.877	ug/l	-16.25	5,450.99	3.265E-02	Pulse	0.20	3
Mg	24	45	1	0.036	ug/l	35.73	2,366.93	6.800E-04	Pulse	0.10	3
Mg	24	45	2	0.210	ug/l	32.36	125.00	7.485E-04	Pulse	0.20	3
Al	27	45	1	0.052	ug/l	34.75	5,457.79	1.568E-03	Pulse	0.10	3
Al	27	45	2	0.400	ug/l	55.73	63.33	3.794E-04	Pulse	0.20	3
K	39	45	1	-0.641	ug/l	-53.89	964,799.80	2.771E-01	Pulse	0.10	3
K	39	45	2	0.533	ug/l	109.50	6,614.78	3.961E-02	Pulse	0.20	3
Ca	43	45	1	-1.108	ug/l	-15.97	85.11	2.445E-05	Pulse	1.50	3
Ca	43	45	2	-1.042	ug/l	-86.33	1.33	7.991E-06	Pulse	1.50	3
Ca	44	45	1	-2.074	ug/l	-15.05	2,216.89	6.366E-04	Pulse	0.10	3
Ca	44	45	2	-0.496	ug/l	-89.46	28.33	1.697E-04	Pulse	0.20	3
Ti	47	45	1	-0.005	ug/l	-312.84	60.00	1.726E-05	Pulse	0.10	3
Ti	47	45	2	-0.048	ug/l	0.00	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	0.042	ug/l	33.11	418.35	2.505E-03	Pulse	0.20	3
Cr	52	45	2	0.027	ug/l	52.72	1,178.40	7.057E-03	Pulse	0.20	3
Mn	55	45	2	-0.015	ug/l	-23.68	28.33	1.696E-04	Pulse	0.20	3
Fe	56	45	2	-0.157	ug/l	-23.02	2,225.20	1.333E-02	Pulse	0.20	3
Co	59	45	2	0.002	ug/l	97.56	26.67	1.596E-04	Pulse	0.20	3
Ni	60	45	2	-0.031	ug/l	-68.27	156.67	9.383E-04	Pulse	0.20	3
Cu	63	45	2	-0.023	ug/l	-18.00	146.67	8.784E-04	Pulse	0.20	3
Cu	65	45	2	-0.010	ug/l	-125.89	96.67	5.792E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.221	ug/l	-25.37	125.00	7.482E-04	Pulse	0.20	3
As	75	45	2	0.011	ug/l	125.46	16.67	9.975E-05	Pulse	0.50	3
Se	78	45	2	-0.171	ug/l	-38.43	8.00	4.788E-05	Pulse	1.00	3
Se	78	45	3	0.065	ug/l	41.37	12.00	3.370E-05	Pulse	1.00	3
Sr	88	45	1	-0.001	ug/l	-413.28	553.36	1.589E-04	Pulse	0.10	3
Mo	95	103	1	-0.004	ug/l	-2.30	80.00	1.447E-05	Pulse	0.10	3
Ag	107	115	1	-0.003	ug/l	-68.79	83.33	1.370E-05	Pulse	0.10	3
Cd	111	115	1	-0.002	ug/l	-190.08	18.67	3.073E-06	Pulse	0.25	3
Cd	111	115	2	-0.005	ug/l	0.00	0.00	0.000E+00	Pulse	0.25	3
Sn	117	115	1	-0.015	ug/l	-97.94	116.67	1.919E-05	Pulse	0.10	3
Sn	118	115	1	-0.009	ug/l	-83.04	403.36	6.625E-05	Pulse	0.10	3
Sn	118	115	2	-0.011	ug/l	-204.03	146.67	1.080E-04	Pulse	0.10	3
Sn	119	115	1	-0.022	ug/l	-39.24	183.34	3.012E-05	Pulse	0.10	3
Sb	121	159	1	0.007	ug/l	280.97	2,003.55	2.041E-04	Pulse	0.10	3
Ba	137	159	1	0.043	ug/l	22.75	1,030.08	1.050E-04	Pulse	0.10	3
Tl	205	209	1	0.534	ug/l	3.46	19,006.29	3.273E-03	Pulse	0.10	3
Pb	208	209	1	-0.001	ug/l	-376.49	713.36	1.228E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,947,073.94	0.81	91.1	Analog	0.10	3
1	Sc	45	3,481,544.95	0.58	96.1	Analog	0.10	3
2	Sc	45	166,985.26	0.25	95.0	Pulse	0.10	3
3	Sc	45	356,245.76	0.27	96.9	Pulse	0.10	3
1	Ge	72	745,569.29	0.50	97.4	Pulse	0.10	3
2	Ge	72	112,094.38	0.06	97.5	Pulse	0.10	3
3	Ge	72	183,738.39	0.34	99.3	Pulse	0.10	3
1	Rh	103	5,530,745.54	0.80	101.1	Analog	0.10	3
2	Rh	103	3,193,561.31	1.11	100.5	Analog	0.10	3
1	In	115	6,092,153.01	0.62	102.0	Analog	0.10	3
2	In	115	1,355,612.35	0.87	97.1	Mix	0.10	3
1	Tb	159	9,814,129.23	0.16	101.6	Analog	0.10	3
2	Tb	159	5,562,699.50	0.67	100.4	Analog	0.10	3
1	Ho	165	9,470,757.57	0.51	101.7	Analog	0.10	3
2	Ho	165	5,501,527.21	0.79	100.7	Analog	0.10	3
1	Bi	209	5,806,396.16	0.48	101.6	Analog	0.10	3
2	Bi	209	3,870,303.48	0.31	100.1	Analog	0.10	3

Quantitation Report

File Name	046SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 1:03
Sample Name	jb23822-2
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.015	ug/l	53.62	42.67	2.661E-05	Pulse	0.25	3
B	11	6	1	143.977	ug/l	1.95	188,644.84	1.176E-01	Pulse	0.15	3
Na	23	45	1	55322.002	ug/l	0.28	332,042,468.39	1.108E+02	Analog	0.10	3
Na	23	45	2	61112.894	ug/l	1.25	13,515,078.55	9.107E+01	Analog	0.20	3
Mg	24	45	1	18980.629	ug/l	0.40	75,871,672.20	2.532E+01	Analog	0.10	3
Mg	24	45	2	20755.114	ug/l	1.06	2,331,648.87	1.571E+01	Analog	0.20	3
Al	27	45	1	132.233	ug/l	1.61	702,991.50	2.346E-01	Pulse	0.10	3
Al	27	45	2	143.985	ug/l	1.32	5,852.88	3.943E-02	Pulse	0.20	3
K	39	45	1	3191.700	ug/l	0.95	23,609,299.65	7.879E+00	Analog	0.10	3
K	39	45	2	3326.384	ug/l	0.52	355,185.91	2.393E+00	Pulse	0.20	3
Ca	43	45	1	103630.428	ug/l	1.20	1,502,115.44	5.013E-01	Analog	1.50	3
Ca	43	45	2	108755.948	ug/l	1.64	35,858.36	2.416E-01	Pulse	1.50	3
Ca	44	45	1	105316.312	ug/l	1.06	24,892,778.80	8.308E+00	Analog	0.10	3
Ca	44	45	2	105001.958	ug/l	1.37	612,907.85	4.130E+00	Pulse	0.20	3
Ti	47	45	1	9.259	ug/l	8.92	6,524.85	2.178E-03	Pulse	0.10	3
Ti	47	45	2	10.887	ug/l	9.64	480.04	3.234E-03	Pulse	0.20	3
V	51	45	2	1.709	ug/l	3.37	2,518.57	1.698E-02	Pulse	0.20	3
Cr	52	45	2	2.977	ug/l	5.36	6,064.60	4.088E-02	Pulse	0.20	3
Mn	55	45	2	41.996	ug/l	1.60	39,238.42	2.644E-01	Pulse	0.20	3
Fe	56	45	2	322.159	ug/l	1.09	426,740.27	2.876E+00	Pulse	0.20	3
Co	59	45	2	0.699	ug/l	3.95	1,905.15	1.283E-02	Pulse	0.20	3
Ni	60	45	2	2.935	ug/l	3.03	2,285.20	1.539E-02	Pulse	0.20	3
Cu	63	45	2	2.194	ug/l	6.75	4,434.01	2.988E-02	Pulse	0.20	3
Cu	65	45	2	2.362	ug/l	7.83	2,345.21	1.579E-02	Pulse	0.20	3
Zn	66	45	2	2.003	ug/l	5.21	898.38	6.054E-03	Pulse	0.20	3
As	75	45	2	0.589	ug/l	23.92	128.67	8.647E-04	Pulse	0.50	3
Se	78	45	2	4.400	ug/l	16.12	91.33	6.157E-04	Pulse	1.00	3
Se	78	45	3	3.875	ug/l	3.68	278.00	8.254E-04	Pulse	1.00	3
Sr	88	45	1	422.515	ug/l	1.05	6,869,909.27	2.293E+00	Analog	0.10	3
Mo	95	103	1	0.928	ug/l	0.37	2,800.36	5.960E-04	Pulse	0.10	3
Ag	107	115	1	0.009	ug/l	57.45	183.34	3.309E-05	Pulse	0.10	3
Cd	111	115	1	0.087	ug/l	7.26	169.33	3.056E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.097	ug/l	14.79	69.33	5.644E-05	Pulse	0.25	3
Sn	117	115	1	0.116	ug/l	14.78	340.02	6.136E-05	Pulse	0.10	3
Sn	118	115	1	0.118	ug/l	13.50	1,066.75	1.925E-04	Pulse	0.10	3
Sn	118	115	2	0.192	ug/l	17.42	446.70	3.639E-04	Pulse	0.10	3
Sn	119	115	1	0.197	ug/l	21.44	620.04	1.119E-04	Pulse	0.10	3
Sb	121	159	1	0.617	ug/l	8.26	5,417.82	5.636E-04	Pulse	0.10	3
Ba	137	159	1	109.062	ug/l	1.36	305,695.93	3.180E-02	Pulse	0.10	3
Tl	205	209	1	0.769	ug/l	0.90	13,132.99	2.431E-03	Pulse	0.10	3
Pb	208	209	1	0.378	ug/l	4.70	8,594.72	1.592E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,603,735.58	0.24	75.0	Analog	0.10	3
1	Sc	45	2,996,435.48	0.44	82.7	Analog	0.10	3
2	Sc	45	148,419.44	1.74	84.4	Pulse	0.10	3
3	Sc	45	336,848.58	1.07	91.6	Pulse	0.10	3
1	Ge	72	666,579.57	0.15	87.1	Pulse	0.10	3
2	Ge	72	100,597.21	0.41	87.5	Pulse	0.10	3
3	Ge	72	173,255.27	1.25	93.6	Pulse	0.10	3
1	Rh	103	4,698,962.53	0.94	85.9	Analog	0.10	3
2	Rh	103	2,785,976.73	0.52	87.7	Analog	0.10	3
1	In	115	5,541,849.15	0.29	92.7	Analog	0.10	3
2	In	115	1,227,346.90	1.38	87.9	Pulse	0.10	3
1	Tb	159	9,612,615.28	0.35	99.5	Analog	0.10	3
2	Tb	159	5,417,770.96	0.70	97.8	Analog	0.10	3
1	Ho	165	9,352,819.45	0.58	100.4	Analog	0.10	3
2	Ho	165	5,419,571.58	0.80	99.2	Analog	0.10	3
1	Bi	209	5,401,235.96	0.60	94.5	Analog	0.10	3
2	Bi	209	3,600,547.86	0.73	93.1	Analog	0.10	3

Quantitation Report

File Name	047SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 1:09
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	48.071	ug/l	1.65	155,471.12	8.611E-02	Pulse	0.25	3
B	11	6	1	50.225	ug/l	2.50	148,839.13	8.244E-02	Pulse	0.15	3
Na	23	45	1	4740.767	ug/l	0.96	60,254,952.44	1.903E+01	Analog	0.10	3
Na	23	45	2	4810.998	ug/l	0.90	2,258,691.48	1.437E+01	Analog	0.20	3
Mg	24	45	1	4823.023	ug/l	0.75	40,744,883.56	1.287E+01	Analog	0.10	3
Mg	24	45	2	4632.547	ug/l	0.85	1,102,354.12	7.014E+00	Pulse	0.20	3
Al	27	45	1	4782.831	ug/l	0.50	53,425,129.20	1.687E+01	Analog	0.10	3
Al	27	45	2	4628.917	ug/l	0.94	396,864.70	2.525E+00	Pulse	0.20	3
K	39	45	1	4950.932	ug/l	0.59	75,530,052.21	2.386E+01	Analog	0.10	3
K	39	45	2	4725.294	ug/l	0.85	1,057,384.83	6.728E+00	Pulse	0.20	3
Ca	43	45	1	4964.122	ug/l	0.39	152,162.49	4.806E-02	Pulse	1.50	3
Ca	43	45	2	5226.336	ug/l	1.36	3,652.18	2.324E-02	Pulse	1.50	3
Ca	44	45	1	4985.766	ug/l	1.46	2,493,280.69	7.874E-01	Analog	0.10	3
Ca	44	45	2	4953.990	ug/l	1.54	61,280.97	3.899E-01	Pulse	0.20	3
Ti	47	45	1	47.818	ug/l	2.18	70,654.11	2.231E-02	Pulse	0.10	3
Ti	47	45	2	46.883	ug/l	2.98	4,343.99	2.764E-02	Pulse	0.20	3
V	51	45	2	48.041	ug/l	0.77	134,693.74	8.570E-01	Pulse	0.20	3
Cr	52	45	2	47.444	ug/l	0.39	173,546.40	1.104E+00	Pulse	0.20	3
Mn	55	45	2	46.758	ug/l	1.42	92,473.60	5.884E-01	Pulse	0.20	3
Fe	56	45	2	4986.723	ug/l	0.57	13,915,427.29	8.854E+01	Analog	0.20	3
Co	59	45	2	47.446	ug/l	0.86	271,821.06	1.730E+00	Pulse	0.20	3
Ni	60	45	2	47.334	ug/l	0.76	71,953.56	4.578E-01	Pulse	0.20	3
Cu	63	45	2	47.476	ug/l	0.83	193,528.28	1.231E+00	Pulse	0.20	3
Cu	65	45	2	47.633	ug/l	1.17	95,702.11	6.089E-01	Pulse	0.20	3
Zn	66	45	2	46.897	ug/l	1.42	32,260.36	2.053E-01	Pulse	0.20	3
As	75	45	2	47.691	ug/l	1.47	20,243.28	1.288E-01	Pulse	0.50	3
Se	78	45	2	47.877	ug/l	0.96	1,816.44	1.156E-02	Pulse	1.00	3
Se	78	45	3	47.494	ug/l	2.54	6,834.45	2.008E-02	Pulse	1.00	3
Sr	88	45	1	51.020	ug/l	0.59	1,753,458.83	5.538E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	48.220	ug/l	1.34	300,279.39	5.995E-02	Pulse	0.10	3
Ag	107	115	1	45.946	ug/l	0.88	677,481.06	1.190E-01	Pulse	0.10	3
Cd	111	115	1	46.969	ug/l	0.64	159,764.46	2.806E-02	Pulse	0.25	3
Cd	111	115	2	47.316	ug/l	0.50	63,785.19	5.029E-02	Pulse	0.25	3
Sn	117	115	1	48.773	ug/l	1.30	160,076.31	2.811E-02	Pulse	0.10	3
Sn	118	115	1	48.349	ug/l	0.15	515,105.11	9.046E-02	Pulse	0.10	3
Sn	118	115	2	48.310	ug/l	0.45	147,230.89	1.161E-01	Pulse	0.10	3
Sn	119	115	1	48.170	ug/l	1.34	186,002.42	3.267E-02	Pulse	0.10	3
Sb	121	159	1	52.552	ug/l	0.45	607,169.55	6.289E-02	Pulse	0.10	3
Ba	137	159	1	47.398	ug/l	1.42	266,971.07	2.765E-02	Pulse	0.10	3
Tl	205	209	1	45.711	ug/l	1.20	1,444,597.53	2.576E-01	Analog	0.10	3
Pb	208	209	1	48.329	ug/l	0.94	2,094,974.73	3.736E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,805,603.26	0.61	84.4	Analog	0.10	3
1	Sc	45	3,166,136.93	0.77	87.4	Analog	0.10	3
2	Sc	45	157,172.20	0.82	89.4	Pulse	0.10	3
3	Sc	45	340,382.13	1.48	92.6	Pulse	0.10	3
1	Ge	72	682,303.69	0.58	89.1	Pulse	0.10	3
2	Ge	72	104,393.62	1.19	90.8	Pulse	0.10	3
3	Ge	72	174,850.10	1.60	94.5	Pulse	0.10	3
1	Rh	103	5,009,414.61	1.49	91.6	Analog	0.10	3
2	Rh	103	2,965,837.46	0.62	93.3	Analog	0.10	3
1	In	115	5,694,271.36	0.37	95.3	Analog	0.10	3
2	In	115	1,268,292.87	0.53	90.8	Pulse	0.10	3
1	Tb	159	9,655,054.44	0.34	99.9	Analog	0.10	3
2	Tb	159	5,412,598.04	0.41	97.7	Analog	0.10	3
1	Ho	165	9,331,209.03	0.54	100.2	Analog	0.10	3
2	Ho	165	5,402,183.46	0.56	98.9	Analog	0.10	3
1	Bi	209	5,607,688.46	1.52	98.1	Analog	0.10	3
2	Bi	209	3,737,535.88	0.36	96.7	Analog	0.10	3

Quantitation Report

File Name	048SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 1:14
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.002	ug/l	337.63	32.00	1.705E-05	Pulse	0.25	3
B	11	6	1	1.342	ug/l	9.87	6,365.79	3.395E-03	Pulse	0.15	3
Na	23	45	1	-2.280	ug/l	-4.24	126,077.27	3.794E-02	Pulse	0.10	3
Na	23	45	2	-1.284	ug/l	-25.87	5,657.71	3.441E-02	Pulse	0.20	3
Mg	24	45	1	0.074	ug/l	15.55	2,593.65	7.808E-04	Pulse	0.10	3
Mg	24	45	2	-0.003	ug/l	-4758.33	70.00	4.259E-04	Pulse	0.20	3
Al	27	45	1	0.039	ug/l	95.75	5,054.28	1.521E-03	Pulse	0.10	3
Al	27	45	2	0.113	ug/l	142.06	36.67	2.230E-04	Pulse	0.20	3
K	39	45	1	-3.342	ug/l	-27.33	877,971.94	2.643E-01	Pulse	0.10	3
K	39	45	2	-0.935	ug/l	-103.12	6,171.26	3.754E-02	Pulse	0.20	3
Ca	43	45	1	-0.932	ug/l	-40.77	86.89	2.616E-05	Pulse	1.50	3
Ca	43	45	2	0.201	ug/l	1140.16	2.22	1.352E-05	Pulse	1.50	3
Ca	44	45	1	-2.021	ug/l	-6.10	2,143.55	6.450E-04	Pulse	0.10	3
Ca	44	45	2	-1.105	ug/l	-153.02	20.00	1.218E-04	Pulse	0.20	3
Ti	47	45	1	0.012	ug/l	253.16	83.34	2.518E-05	Pulse	0.10	3
Ti	47	45	2	-0.014	ug/l	-437.97	3.33	2.032E-05	Pulse	0.20	3
V	51	45	2	-0.007	ug/l	-194.34	270.01	1.642E-03	Pulse	0.20	3
Cr	52	45	2	0.012	ug/l	214.19	1,106.73	6.732E-03	Pulse	0.20	3
Mn	55	45	2	-0.016	ug/l	-38.56	26.67	1.623E-04	Pulse	0.20	3
Fe	56	45	2	0.213	ug/l	22.05	3,270.39	1.989E-02	Pulse	0.20	3
Co	59	45	2	0.000	ug/l	382.17	16.67	1.013E-04	Pulse	0.20	3
Ni	60	45	2	-0.039	ug/l	-12.71	141.67	8.617E-04	Pulse	0.20	3
Cu	63	45	2	-0.022	ug/l	-57.67	146.67	8.915E-04	Pulse	0.20	3
Cu	65	45	2	-0.008	ug/l	-179.42	100.00	6.085E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.204	ug/l	-12.27	135.00	8.210E-04	Pulse	0.20	3
As	75	45	2	0.003	ug/l	238.31	12.67	7.701E-05	Pulse	0.50	3
Se	78	45	2	-0.125	ug/l	-91.87	9.67	5.883E-05	Pulse	1.00	3
Se	78	45	3	0.025	ug/l	54.84	6.00	1.708E-05	Pulse	1.00	3
Sr	88	45	1	0.001	ug/l	53.61	603.37	1.816E-04	Pulse	0.10	3
Mo	95	103	1	0.047	ug/l	11.43	416.69	7.758E-05	Pulse	0.10	3
Ag	107	115	1	-0.001	ug/l	-135.28	113.34	1.909E-05	Pulse	0.10	3
Cd	111	115	1	-0.003	ug/l	-37.27	16.00	2.692E-06	Pulse	0.25	3
Cd	111	115	2	-0.001	ug/l	-566.72	5.33	3.990E-06	Pulse	0.25	3
Sn	117	115	1	0.051	ug/l	12.29	340.02	5.725E-05	Pulse	0.10	3
Sn	118	115	1	0.049	ug/l	17.11	1,036.74	1.746E-04	Pulse	0.10	3
Sn	118	115	2	0.052	ug/l	19.25	346.68	2.585E-04	Pulse	0.10	3
Sn	119	115	1	0.034	ug/l	4.46	403.35	6.790E-05	Pulse	0.10	3
Sb	121	159	1	-0.010	ug/l	-33.67	1,793.51	1.833E-04	Pulse	0.10	3
Ba	137	159	1	0.029	ug/l	110.26	950.07	9.703E-05	Pulse	0.10	3
Tl	205	209	1	0.270	ug/l	8.61	10,310.70	1.785E-03	Pulse	0.10	3
Pb	208	209	1	-0.002	ug/l	-159.30	666.71	1.155E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,875,422.20	0.18	87.7	Analog	0.10	3
1	Sc	45	3,322,808.18	1.16	91.7	Analog	0.10	3
2	Sc	45	164,420.00	0.27	93.5	Pulse	0.10	3
3	Sc	45	352,098.51	1.24	95.8	Pulse	0.10	3
1	Ge	72	715,784.91	0.75	93.5	Pulse	0.10	3
2	Ge	72	108,910.13	1.42	94.8	Pulse	0.10	3
3	Ge	72	182,467.47	0.89	98.6	Pulse	0.10	3
1	Rh	103	5,369,350.13	0.57	98.1	Analog	0.10	3
2	Rh	103	3,143,999.43	0.02	99.0	Analog	0.10	3
1	In	115	5,940,589.15	0.64	99.4	Analog	0.10	3
2	In	115	1,341,214.66	0.48	96.0	Mix	0.10	3
1	Tb	159	9,785,427.98	0.70	101.3	Analog	0.10	3
2	Tb	159	5,517,115.75	0.17	99.5	Analog	0.10	3
1	Ho	165	9,373,067.99	0.36	100.6	Analog	0.10	3
2	Ho	165	5,483,479.71	0.65	100.4	Analog	0.10	3
1	Bi	209	5,776,806.79	0.82	101.1	Analog	0.10	3
2	Bi	209	3,891,362.96	0.61	100.6	Analog	0.10	3

Quantitation Report

File Name	049SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 1:19
Sample Name	mp68786a-sd1 2
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.030	ug/l	62.94	36.00	1.855E-05	Pulse	0.25	3
B	11	6	1	131.116	ug/l	1.17	43,487.01	2.243E-02	Pulse	0.15	3
Na	23	45	1	57170.343	ug/l	0.29	78,910,707.15	2.294E+01	Analog	0.10	3
Na	23	45	2	57940.660	ug/l	1.42	2,844,544.75	1.730E+01	Analog	0.20	3
Mg	24	45	1	19946.561	ug/l	0.29	18,307,882.65	5.322E+00	Analog	0.10	3
Mg	24	45	2	19311.774	ug/l	0.80	480,822.71	2.924E+00	Pulse	0.20	3
Al	27	45	1	154.279	ug/l	10.70	192,035.73	5.581E-02	Pulse	0.10	3
Al	27	45	2	151.371	ug/l	7.00	1,383.42	8.418E-03	Pulse	0.20	3
K	39	45	1	3249.232	ug/l	0.56	6,285,955.74	1.827E+00	Analog	0.10	3
K	39	45	2	3205.526	ug/l	1.68	81,003.62	4.926E-01	Pulse	0.20	3
Ca	43	45	1	100475.890	ug/l	0.35	334,482.31	9.724E-02	Pulse	1.50	3
Ca	43	45	2	102758.321	ug/l	1.51	7,510.13	4.567E-02	Pulse	1.50	3
Ca	44	45	1	100823.205	ug/l	0.38	5,474,197.84	1.591E+00	Analog	0.10	3
Ca	44	45	2	100671.262	ug/l	2.17	130,230.69	7.921E-01	Pulse	0.20	3
Ti	47	45	1	10.285	ug/l	4.88	1,716.89	4.992E-04	Pulse	0.10	3
Ti	47	45	2	9.876	ug/l	35.69	100.00	6.099E-04	Pulse	0.20	3
V	51	45	2	1.214	ug/l	11.61	645.03	3.920E-03	Pulse	0.20	3
Cr	52	45	2	2.927	ug/l	4.28	2,173.52	1.321E-02	Pulse	0.20	3
Mn	55	45	2	39.970	ug/l	3.53	8,327.25	5.063E-02	Pulse	0.20	3
Fe	56	45	2	319.739	ug/l	1.45	95,974.16	5.837E-01	Pulse	0.20	3
Co	59	45	2	0.746	ug/l	3.08	461.69	2.808E-03	Pulse	0.20	3
Ni	60	45	2	2.754	ug/l	8.31	640.02	3.894E-03	Pulse	0.20	3
Cu	63	45	2	2.615	ug/l	3.74	1,355.08	8.240E-03	Pulse	0.20	3
Cu	65	45	2	2.966	ug/l	25.26	738.37	4.499E-03	Pulse	0.20	3
Zn	66	45	2	4.944	ug/l	34.22	633.36	3.852E-03	Pulse	0.20	3
As	75	45	2	0.631	ug/l	24.72	39.33	2.396E-04	Pulse	0.50	3
Se	78	45	2	4.572	ug/l	39.23	32.67	1.983E-04	Pulse	1.00	3
Se	78	45	3	4.883	ug/l	5.51	75.67	2.128E-04	Pulse	1.00	3
Sr	88	45	1	380.122	ug/l	1.30	1,419,521.96	4.127E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.697	ug/l	18.33	566.70	1.061E-04	Pulse	0.10	3
Ag	107	115	1	-0.015	ug/l	-21.31	103.33	1.723E-05	Pulse	0.10	3
Cd	111	115	1	0.059	ug/l	80.45	48.00	7.990E-06	Pulse	0.25	3
Cd	111	115	2	0.131	ug/l	24.88	25.33	1.872E-05	Pulse	0.25	3
Sn	117	115	1	0.299	ug/l	52.82	270.01	4.509E-05	Pulse	0.10	3
Sn	118	115	1	0.320	ug/l	9.31	853.40	1.424E-04	Pulse	0.10	3
Sn	118	115	2	0.202	ug/l	31.85	246.68	1.823E-04	Pulse	0.10	3
Sn	119	115	1	0.022	ug/l	720.77	280.02	4.668E-05	Pulse	0.10	3
Sb	121	159	1	0.111	ug/l	210.78	2,033.55	2.090E-04	Pulse	0.10	3
Ba	137	159	1	105.965	ug/l	0.74	60,746.57	6.244E-03	Pulse	0.10	3
Tl	205	209	1	1.022	ug/l	4.51	4,754.29	8.417E-04	Pulse	0.10	3
Pb	208	209	1	0.348	ug/l	13.58	2,250.17	3.982E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,939,022.71	1.56	90.7	Analog	0.10	3
1	Sc	45	3,439,791.93	0.61	95.0	Analog	0.10	3
2	Sc	45	164,443.41	1.38	93.5	Pulse	0.10	3
3	Sc	45	355,771.36	1.14	96.8	Pulse	0.10	3
1	Ge	72	728,618.30	0.40	95.2	Pulse	0.10	3
2	Ge	72	112,121.36	1.64	97.6	Pulse	0.10	3
3	Ge	72	180,865.09	0.34	97.7	Pulse	0.10	3
1	Rh	103	5,338,057.84	0.46	97.6	Analog	0.10	3
2	Rh	103	3,115,850.89	0.48	98.1	Analog	0.10	3
1	In	115	5,995,475.25	0.96	100.3	Analog	0.10	3
2	In	115	1,353,489.08	0.32	96.9	Pulse	0.10	3
1	Tb	159	9,728,679.86	0.05	100.7	Analog	0.10	3
2	Tb	159	5,571,956.17	0.23	100.5	Analog	0.10	3
1	Ho	165	9,412,455.07	0.84	101.0	Analog	0.10	3
2	Ho	165	5,516,127.83	0.69	100.9	Analog	0.10	3
1	Bi	209	5,649,088.25	0.76	98.8	Analog	0.10	3
2	Bi	209	3,857,900.46	0.59	99.8	Analog	0.10	3

Quantitation Report

File Name	050SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 1:24
Sample Name	jb23822-2f
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.008	ug/l	-49.86	9.33	5.682E-06	Pulse	0.25	3
B	11	6	1	134.850	ug/l	2.37	181,009.32	1.103E-01	Pulse	0.15	3
Na	23	45	1	52001.109	ug/l	0.32	317,596,908.60	1.042E+02	Analog	0.10	3
Na	23	45	2	57250.407	ug/l	0.95	12,779,883.14	8.532E+01	Analog	0.20	3
Mg	24	45	1	17790.739	ug/l	0.84	72,364,637.25	2.373E+01	Analog	0.10	3
Mg	24	45	2	19338.465	ug/l	0.26	2,192,810.80	1.464E+01	Analog	0.20	3
Al	27	45	1	23.985	ug/l	0.71	133,213.77	4.369E-02	Pulse	0.10	3
Al	27	45	2	24.869	ug/l	13.81	1,040.05	6.944E-03	Pulse	0.20	3
K	39	45	1	2971.620	ug/l	0.15	22,426,412.17	7.355E+00	Analog	0.10	3
K	39	45	2	3100.140	ug/l	0.59	334,493.41	2.233E+00	Pulse	0.20	3
Ca	43	45	1	97742.334	ug/l	0.65	1,441,665.06	4.728E-01	Analog	1.50	3
Ca	43	45	2	101097.484	ug/l	0.38	33,647.57	2.246E-01	Pulse	1.50	3
Ca	44	45	1	99264.494	ug/l	0.77	23,874,741.31	7.830E+00	Analog	0.10	3
Ca	44	45	2	98128.429	ug/l	0.76	578,138.40	3.860E+00	Pulse	0.20	3
Ti	47	45	1	0.586	ug/l	13.16	476.69	1.563E-04	Pulse	0.10	3
Ti	47	45	2	0.281	ug/l	61.37	16.67	1.112E-04	Pulse	0.20	3
V	51	45	2	1.101	ug/l	2.46	1,731.79	1.156E-02	Pulse	0.20	3
Cr	52	45	2	0.639	ug/l	17.36	2,071.84	1.383E-02	Pulse	0.20	3
Mn	55	45	2	34.599	ug/l	2.71	32,640.86	2.179E-01	Pulse	0.20	3
Fe	56	45	2	6.790	ug/l	1.54	11,440.83	7.638E-02	Pulse	0.20	3
Co	59	45	2	0.493	ug/l	9.45	1,358.42	9.069E-03	Pulse	0.20	3
Ni	60	45	2	1.930	ug/l	13.00	1,580.11	1.055E-02	Pulse	0.20	3
Cu	63	45	2	1.712	ug/l	2.39	3,542.12	2.365E-02	Pulse	0.20	3
Cu	65	45	2	1.738	ug/l	16.69	1,768.46	1.181E-02	Pulse	0.20	3
Zn	66	45	2	2.223	ug/l	7.97	978.38	6.531E-03	Pulse	0.20	3
As	75	45	2	0.328	ug/l	12.58	76.67	5.118E-04	Pulse	0.50	3
Se	78	45	2	3.737	ug/l	0.86	80.33	5.363E-04	Pulse	1.00	3
Se	78	45	3	3.839	ug/l	12.65	276.67	8.178E-04	Pulse	1.00	3
Sr	88	45	1	392.496	ug/l	0.50	6,493,796.57	2.130E+00	Analog	0.10	3
Mo	95	103	1	0.835	ug/l	6.15	2,576.98	5.386E-04	Pulse	0.10	3
Ag	107	115	1	-0.002	ug/l	-113.53	103.33	1.850E-05	Pulse	0.10	3
Cd	111	115	1	0.068	ug/l	14.61	138.67	2.478E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.103	ug/l	70.29	73.33	5.951E-05	Pulse	0.25	3
Sn	117	115	1	0.170	ug/l	4.73	430.03	7.693E-05	Pulse	0.10	3
Sn	118	115	1	0.222	ug/l	15.11	1,623.49	2.902E-04	Pulse	0.10	3
Sn	118	115	2	0.168	ug/l	26.12	413.36	3.353E-04	Pulse	0.10	3
Sn	119	115	1	0.256	ug/l	4.60	736.72	1.317E-04	Pulse	0.10	3
Sb	121	159	1	0.410	ug/l	10.03	4,257.42	4.402E-04	Pulse	0.10	3
Ba	137	159	1	99.003	ug/l	0.35	279,243.46	2.888E-02	Pulse	0.10	3
Tl	205	209	1	0.173	ug/l	16.96	4,120.76	7.531E-04	Pulse	0.10	3
Pb	208	209	1	0.037	ug/l	9.30	1,480.10	2.705E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,641,792.81	0.34	76.8	Analog	0.10	3
1	Sc	45	3,049,004.64	0.29	84.2	Analog	0.10	3
2	Sc	45	149,789.74	0.11	85.2	Pulse	0.10	3
3	Sc	45	337,984.57	1.40	91.9	Pulse	0.10	3
1	Ge	72	674,704.68	0.34	88.1	Pulse	0.10	3
2	Ge	72	101,707.11	0.74	88.5	Pulse	0.10	3
3	Ge	72	171,658.60	1.12	92.8	Pulse	0.10	3
1	Rh	103	4,785,402.01	0.41	87.5	Analog	0.10	3
2	Rh	103	2,760,507.98	0.44	86.9	Analog	0.10	3
1	In	115	5,591,131.98	1.06	93.6	Analog	0.10	3
2	In	115	1,232,331.90	0.44	88.2	Pulse	0.10	3
1	Tb	159	9,670,804.86	0.59	100.1	Analog	0.10	3
2	Tb	159	5,388,047.21	0.11	97.2	Analog	0.10	3
1	Ho	165	9,426,053.40	0.14	101.2	Analog	0.10	3
2	Ho	165	5,371,311.79	0.63	98.3	Analog	0.10	3
1	Bi	209	5,470,058.46	1.08	95.7	Analog	0.10	3
2	Bi	209	3,611,696.93	0.74	93.4	Analog	0.10	3

Quantitation Report

File Name	051SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 1:29
Sample Name	mp68786a-sd2
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.020	ug/l	-119.53	18.67	9.585E-06	Pulse	0.25	3
B	11	6	1	133.369	ug/l	0.57	44,326.86	2.279E-02	Pulse	0.15	3
Na	23	45	1	55858.587	ug/l	0.43	76,491,720.53	2.242E+01	Analog	0.10	3
Na	23	45	2	54801.478	ug/l	0.81	2,736,513.39	1.636E+01	Analog	0.20	3
Mg	24	45	1	19307.223	ug/l	0.23	17,580,563.07	5.152E+00	Analog	0.10	3
Mg	24	45	2	18132.022	ug/l	1.05	459,101.86	2.746E+00	Pulse	0.20	3
Al	27	45	1	16.133	ug/l	3.78	24,148.32	7.076E-03	Pulse	0.10	3
Al	27	45	2	16.055	ug/l	13.60	173.34	1.037E-03	Pulse	0.20	3
K	39	45	1	3119.622	ug/l	0.56	6,025,375.54	1.766E+00	Analog	0.10	3
K	39	45	2	2976.720	ug/l	0.97	76,959.35	4.602E-01	Pulse	0.20	3
Ca	43	45	1	97298.459	ug/l	0.46	321,339.12	9.416E-02	Pulse	1.50	3
Ca	43	45	2	98891.852	ug/l	0.87	7,350.29	4.396E-02	Pulse	1.50	3
Ca	44	45	1	97600.583	ug/l	0.40	5,257,244.30	1.541E+00	Analog	0.10	3
Ca	44	45	2	95836.576	ug/l	0.78	126,094.57	7.541E-01	Pulse	0.20	3
Ti	47	45	1	1.525	ug/l	33.60	310.02	9.083E-05	Pulse	0.10	3
Ti	47	45	2	1.208	ug/l	96.24	16.67	9.947E-05	Pulse	0.20	3
V	51	45	2	0.765	ug/l	18.17	521.69	3.120E-03	Pulse	0.20	3
Cr	52	45	2	1.038	ug/l	38.36	1,478.43	8.844E-03	Pulse	0.20	3
Mn	55	45	2	32.477	ug/l	6.89	6,889.90	4.120E-02	Pulse	0.20	3
Fe	56	45	2	17.949	ug/l	2.33	8,022.10	4.797E-02	Pulse	0.20	3
Co	59	45	2	0.500	ug/l	21.53	320.01	1.912E-03	Pulse	0.20	3
Ni	60	45	2	1.714	ug/l	6.94	483.35	2.891E-03	Pulse	0.20	3
Cu	63	45	2	1.707	ug/l	10.74	985.05	5.890E-03	Pulse	0.20	3
Cu	65	45	2	1.513	ug/l	29.46	441.68	2.643E-03	Pulse	0.20	3
Zn	66	45	2	6.860	ug/l	11.15	783.37	4.683E-03	Pulse	0.20	3
As	75	45	2	0.098	ug/l	47.27	16.00	9.573E-05	Pulse	0.50	3
Se	78	45	2	5.694	ug/l	23.32	37.67	2.251E-04	Pulse	1.00	3
Se	78	45	3	4.589	ug/l	23.09	70.33	2.003E-04	Pulse	1.00	3
Sr	88	45	1	369.842	ug/l	1.13	1,370,152.38	4.015E-01	Mix	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.694	ug/l	31.31	556.70	1.057E-04	Pulse	0.10	3
Ag	107	115	1	-0.023	ug/l	-142.45	90.01	1.512E-05	Pulse	0.10	3
Cd	111	115	1	0.037	ug/l	29.35	40.00	6.693E-06	Pulse	0.25	3
Cd	111	115	2	0.067	ug/l	84.07	16.00	1.192E-05	Pulse	0.25	3
Sn	117	115	1	0.009	ug/l	1369.22	170.01	2.842E-05	Pulse	0.10	3
Sn	118	115	1	0.113	ug/l	47.07	620.04	1.038E-04	Pulse	0.10	3
Sn	118	115	2	-0.020	ug/l	-635.00	173.34	1.289E-04	Pulse	0.10	3
Sn	119	115	1	-0.017	ug/l	-1590.91	263.35	4.406E-05	Pulse	0.10	3
Sb	121	159	1	0.343	ug/l	66.53	2,320.27	2.366E-04	Pulse	0.10	3
Ba	137	159	1	99.159	ug/l	1.08	57,297.28	5.848E-03	Pulse	0.10	3
Tl	205	209	1	0.279	ug/l	33.69	2,436.97	4.234E-04	Pulse	0.10	3
Pb	208	209	1	0.014	ug/l	107.44	806.71	1.401E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,944,869.82	0.62	91.0	Analog	0.10	3
1	Sc	45	3,412,520.36	0.12	94.2	Analog	0.10	3
2	Sc	45	167,222.51	0.56	95.1	Pulse	0.10	3
3	Sc	45	351,298.45	0.46	95.6	Pulse	0.10	3
1	Ge	72	727,696.45	0.47	95.1	Pulse	0.10	3
2	Ge	72	113,185.12	0.79	98.5	Pulse	0.10	3
3	Ge	72	180,837.54	1.92	97.7	Pulse	0.10	3
1	Rh	103	5,264,214.50	0.19	96.2	Analog	0.10	3
2	Rh	103	3,064,238.29	0.32	96.4	Analog	0.10	3
1	In	115	5,975,072.27	0.93	100.0	Analog	0.10	3
2	In	115	1,344,802.34	0.70	96.3	Pulse	0.10	3
1	Tb	159	9,797,949.65	1.03	101.4	Analog	0.10	3
2	Tb	159	5,560,160.12	0.64	100.3	Analog	0.10	3
1	Ho	165	9,483,427.15	0.76	101.8	Analog	0.10	3
2	Ho	165	5,510,369.92	0.21	100.8	Analog	0.10	3
1	Bi	209	5,758,900.12	0.62	100.8	Analog	0.10	3
2	Bi	209	3,870,176.19	0.46	100.1	Analog	0.10	3

Quantitation Report

File Name	052SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 1:34
Sample Name	jb23822-1
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.004	ug/l	158.77	26.67	1.682E-05	Pulse	0.25	3
B	11	6	1	117.439	ug/l	2.00	152,622.39	9.618E-02	Pulse	0.15	3
Na	23	45	1	77216.474	ug/l	1.32	455,548,859.88	1.546E+02	Analog	0.10	3
Na	23	45	2	86163.417	ug/l	0.74	18,466,392.23	1.284E+02	Analog	0.20	3
Mg	24	45	1	6472.632	ug/l	0.58	25,437,186.29	8.635E+00	Analog	0.10	3
Mg	24	45	2	6893.583	ug/l	0.71	750,619.00	5.219E+00	Pulse	0.20	3
Al	27	45	1	157.170	ug/l	0.14	820,732.41	2.786E-01	Pulse	0.10	3
Al	27	45	2	168.248	ug/l	1.31	6,623.12	4.605E-02	Pulse	0.20	3
K	39	45	1	10786.259	ug/l	1.21	76,473,195.53	2.596E+01	Analog	0.10	3
K	39	45	2	11228.544	ug/l	1.04	1,148,686.18	7.986E+00	Pulse	0.20	3
Ca	43	45	1	121891.802	ug/l	0.65	1,736,964.56	5.896E-01	Analog	1.50	3
Ca	43	45	2	127160.856	ug/l	0.59	40,638.09	2.825E-01	Pulse	1.50	3
Ca	44	45	1	124266.077	ug/l	0.85	28,874,710.40	9.802E+00	Analog	0.10	3
Ca	44	45	2	124044.493	ug/l	0.25	701,746.32	4.879E+00	Pulse	0.20	3
Ti	47	45	1	12.128	ug/l	1.15	8,385.81	2.847E-03	Pulse	0.10	3
Ti	47	45	2	12.343	ug/l	13.73	526.69	3.662E-03	Pulse	0.20	3
V	51	45	2	6.006	ug/l	4.88	7,942.07	5.522E-02	Pulse	0.20	3
Cr	52	45	2	40.738	ug/l	0.78	68,712.20	4.777E-01	Pulse	0.20	3
Mn	55	45	2	565.404	ug/l	1.06	511,392.59	3.555E+00	Pulse	0.20	3
Fe	56	45	2	490.825	ug/l	0.98	628,922.30	4.373E+00	Pulse	0.20	3
Co	59	45	2	0.951	ug/l	4.38	2,505.25	1.742E-02	Pulse	0.20	3
Ni	60	45	2	23.688	ug/l	4.15	16,610.38	1.155E-01	Pulse	0.20	3
Cu	63	45	2	3.036	ug/l	2.13	5,867.82	4.080E-02	Pulse	0.20	3
Cu	65	45	2	2.875	ug/l	5.91	2,741.95	1.906E-02	Pulse	0.20	3
Zn	66	45	2	3.689	ug/l	9.92	1,396.76	9.711E-03	Pulse	0.20	3
As	75	45	2	1.930	ug/l	4.07	384.68	2.675E-03	Pulse	0.50	3
Se	78	45	2	1.349	ug/l	44.99	36.00	2.504E-04	Pulse	1.00	3
Se	78	45	3	2.085	ug/l	4.20	146.33	4.471E-04	Pulse	1.00	3
Sr	88	45	1	486.808	ug/l	2.18	7,780,826.14	2.642E+00	Analog	0.10	3
Mo	95	103	1	29.969	ug/l	1.89	86,128.48	1.864E-02	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	814.49	123.34	2.271E-05	Pulse	0.10	3
Cd	111	115	1	0.087	ug/l	10.22	165.33	3.036E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.102	ug/l	43.27	70.67	5.889E-05	Pulse	0.25	3
Sn	117	115	1	0.192	ug/l	15.19	453.36	8.326E-05	Pulse	0.10	3
Sn	118	115	1	0.190	ug/l	13.34	1,420.13	2.607E-04	Pulse	0.10	3
Sn	118	115	2	0.203	ug/l	37.30	453.36	3.775E-04	Pulse	0.10	3
Sn	119	115	1	0.186	ug/l	32.01	590.04	1.082E-04	Pulse	0.10	3
Sb	121	159	1	0.673	ug/l	6.07	5,684.60	5.969E-04	Pulse	0.10	3
Ba	137	159	1	76.601	ug/l	0.21	212,948.24	2.236E-02	Pulse	0.10	3
Tl	205	209	1	0.095	ug/l	15.61	2,890.40	5.324E-04	Pulse	0.10	3
Pb	208	209	1	0.971	ug/l	2.91	21,066.64	3.882E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,586,882.08	0.52	74.2	Analog	0.10	3
1	Sc	45	2,945,860.48	0.79	81.3	Analog	0.10	3
2	Sc	45	143,830.96	0.17	81.8	Pulse	0.10	3
3	Sc	45	327,205.69	1.10	89.0	Pulse	0.10	3
1	Ge	72	651,395.75	0.52	85.1	Pulse	0.10	3
2	Ge	72	98,892.91	0.91	86.0	Pulse	0.10	3
3	Ge	72	168,716.75	3.05	91.2	Pulse	0.10	3
1	Rh	103	4,619,520.24	0.81	84.4	Analog	0.10	3
2	Rh	103	2,692,702.67	0.52	84.7	Analog	0.10	3
1	In	115	5,448,291.29	0.90	91.2	Analog	0.10	3
2	In	115	1,200,467.33	0.67	85.9	Pulse	0.10	3
1	Tb	159	9,523,906.94	0.82	98.6	Analog	0.10	3
2	Tb	159	5,311,837.21	0.29	95.8	Analog	0.10	3
1	Ho	165	9,312,459.03	1.54	100.0	Analog	0.10	3
2	Ho	165	5,331,486.59	0.23	97.6	Analog	0.10	3
1	Bi	209	5,427,421.58	0.64	95.0	Analog	0.10	3
2	Bi	209	3,588,971.51	0.18	92.8	Analog	0.10	3

Quantitation Report

File Name	053SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 1:39
Sample Name	jb23822-3
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.003	ug/l	-197.38	18.67	1.071E-05	Pulse	0.25	3
B	11	6	1	2.708	ug/l	4.65	5,947.86	3.415E-03	Pulse	0.15	3
Na	23	45	1	9.244	ug/l	1.45	200,829.15	6.558E-02	Pulse	0.10	3
Na	23	45	2	11.342	ug/l	8.93	8,262.19	5.513E-02	Pulse	0.20	3
Mg	24	45	1	1.575	ug/l	3.50	8,222.33	2.685E-03	Pulse	0.10	3
Mg	24	45	2	1.534	ug/l	10.22	238.34	1.591E-03	Pulse	0.20	3
Al	27	45	1	3.221	ug/l	1.12	21,641.33	7.067E-03	Pulse	0.10	3
Al	27	45	2	2.957	ug/l	16.85	145.00	9.676E-04	Pulse	0.20	3
K	39	45	1	-1.361	ug/l	-29.12	848,027.57	2.769E-01	Pulse	0.10	3
K	39	45	2	2.960	ug/l	81.05	6,139.58	4.095E-02	Pulse	0.20	3
Ca	43	45	1	25.061	ug/l	4.02	478.90	1.564E-04	Pulse	1.50	3
Ca	43	45	2	30.392	ug/l	27.20	12.00	8.015E-05	Pulse	1.50	3
Ca	44	45	1	25.108	ug/l	7.86	9,016.15	2.944E-03	Pulse	0.10	3
Ca	44	45	2	24.390	ug/l	13.03	175.01	1.168E-03	Pulse	0.20	3
Ti	47	45	1	0.214	ug/l	32.62	213.34	6.964E-05	Pulse	0.10	3
Ti	47	45	2	0.094	ug/l	351.36	8.33	5.593E-05	Pulse	0.20	3
V	51	45	2	0.326	ug/l	12.43	698.36	4.660E-03	Pulse	0.20	3
Cr	52	45	2	0.109	ug/l	66.00	1,155.07	7.709E-03	Pulse	0.20	3
Mn	55	45	2	0.133	ug/l	12.69	180.01	1.200E-03	Pulse	0.20	3
Fe	56	45	2	11.536	ug/l	2.20	17,759.81	1.185E-01	Pulse	0.20	3
Co	59	45	2	0.004	ug/l	187.78	25.00	1.669E-04	Pulse	0.20	3
Ni	60	45	2	0.027	ug/l	123.10	205.01	1.368E-03	Pulse	0.20	3
Cu	63	45	2	0.160	ug/l	25.51	530.02	3.539E-03	Pulse	0.20	3
Cu	65	45	2	0.193	ug/l	29.61	291.68	1.944E-03	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	23.652	ug/l	3.32	7,948.73	5.304E-02	Pulse	0.20	3
As	75	45	2	0.077	ug/l	46.74	26.00	1.736E-04	Pulse	0.50	3
Se	78	45	2	-0.258	ug/l	-88.21	8.67	5.787E-05	Pulse	1.00	3
Se	78	45	3	0.060	ug/l	83.27	6.33	1.898E-05	Pulse	1.00	3
Sr	88	45	1	0.101	ug/l	1.54	2,190.24	7.153E-04	Pulse	0.10	3
Mo	95	103	1	0.071	ug/l	12.62	326.68	6.339E-05	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	626.09	133.34	2.273E-05	Pulse	0.10	3
Cd	111	115	1	-0.005	ug/l	-137.86	17.33	2.959E-06	Pulse	0.25	3
Cd	111	115	2	-0.005	ug/l	-132.92	2.67	2.083E-06	Pulse	0.25	3
Sn	117	115	1	0.077	ug/l	38.50	293.35	5.002E-05	Pulse	0.10	3
Sn	118	115	1	0.097	ug/l	41.28	1,016.74	1.733E-04	Pulse	0.10	3
Sn	118	115	2	0.093	ug/l	44.75	313.35	2.450E-04	Pulse	0.10	3
Sn	119	115	1	0.066	ug/l	57.78	396.69	6.765E-05	Pulse	0.10	3
Sb	121	159	1	0.058	ug/l	59.39	2,313.59	2.304E-04	Pulse	0.10	3
Ba	137	159	1	4.674	ug/l	2.42	14,463.94	1.440E-03	Pulse	0.10	3
Tl	205	209	1	0.054	ug/l	2.53	2,476.98	4.186E-04	Pulse	0.10	3
Pb	208	209	1	0.016	ug/l	32.48	1,120.06	1.893E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,741,787.65	0.44	81.5	Analog	0.10	3
1	Sc	45	3,062,254.53	0.35	84.6	Analog	0.10	3
2	Sc	45	149,884.47	0.75	85.2	Pulse	0.10	3
3	Sc	45	333,659.97	0.16	90.8	Pulse	0.10	3
1	Ge	72	706,881.26	0.94	92.3	Pulse	0.10	3
2	Ge	72	104,500.83	2.35	90.9	Pulse	0.10	3
3	Ge	72	178,221.83	0.13	96.3	Pulse	0.10	3
1	Rh	103	5,151,555.65	0.64	94.2	Analog	0.10	3
2	Rh	103	3,027,537.98	0.69	95.3	Analog	0.10	3
1	In	115	5,866,130.26	0.35	98.2	Analog	0.10	3
2	In	115	1,279,204.81	0.31	91.6	Pulse	0.10	3
1	Tb	159	10,047,059.02	0.75	104.0	Analog	0.10	3
2	Tb	159	5,530,581.17	1.02	99.8	Analog	0.10	3
1	Ho	165	9,658,528.61	0.70	103.7	Analog	0.10	3
2	Ho	165	5,518,001.58	0.82	101.0	Analog	0.10	3
1	Bi	209	5,917,311.16	0.22	103.5	Analog	0.10	3
2	Bi	209	3,896,723.90	0.44	100.8	Analog	0.10	3

Quantitation Report

File Name	054SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 1:44
Sample Name	jb23822-1f
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.002	ug/l	172.47	22.67	1.491E-05	Pulse	0.25	3
B	11	6	1	118.683	ug/l	1.70	147,803.63	9.718E-02	Pulse	0.15	3
Na	23	45	1	79209.055	ug/l	1.56	446,588,380.01	1.586E+02	Analog	0.10	3
Na	23	45	2	87478.620	ug/l	0.33	18,416,007.64	1.303E+02	Analog	0.20	3
Mg	24	45	1	6461.817	ug/l	0.85	24,269,187.14	8.621E+00	Analog	0.10	3
Mg	24	45	2	6925.036	ug/l	0.23	740,684.42	5.243E+00	Pulse	0.20	3
Al	27	45	1	12.337	ug/l	3.67	65,169.55	2.314E-02	Pulse	0.10	3
Al	27	45	2	12.899	ug/l	13.47	520.02	3.679E-03	Pulse	0.20	3
K	39	45	1	11030.279	ug/l	1.23	74,721,028.88	2.654E+01	Analog	0.10	3
K	39	45	2	11372.921	ug/l	0.65	1,142,759.07	8.088E+00	Pulse	0.20	3
Ca	43	45	1	124770.542	ug/l	1.47	1,699,136.56	6.036E-01	Analog	1.50	3
Ca	43	45	2	130163.661	ug/l	0.97	40,859.93	2.892E-01	Pulse	1.50	3
Ca	44	45	1	127731.815	ug/l	0.53	28,366,722.07	1.008E+01	Analog	0.10	3
Ca	44	45	2	126842.795	ug/l	1.00	704,864.23	4.989E+00	Pulse	0.20	3
Ti	47	45	1	1.572	ug/l	4.59	1,086.74	3.861E-04	Pulse	0.10	3
Ti	47	45	2	0.265	ug/l	91.44	15.00	1.063E-04	Pulse	0.20	3
V	51	45	2	5.082	ug/l	3.99	6,639.79	4.700E-02	Pulse	0.20	3
Cr	52	45	2	0.253	ug/l	11.38	1,323.41	9.368E-03	Pulse	0.20	3
Mn	55	45	2	567.535	ug/l	0.74	504,218.44	3.569E+00	Pulse	0.20	3
Fe	56	45	2	66.520	ug/l	0.74	85,691.22	6.065E-01	Pulse	0.20	3
Co	59	45	2	0.673	ug/l	1.42	1,745.13	1.235E-02	Pulse	0.20	3
Ni	60	45	2	10.415	ug/l	5.27	7,270.07	5.147E-02	Pulse	0.20	3
Cu	63	45	2	2.187	ug/l	4.26	4,210.62	2.980E-02	Pulse	0.20	3
Cu	65	45	2	1.875	ug/l	5.32	1,791.80	1.268E-02	Pulse	0.20	3
Zn	66	45	2	6.764	ug/l	2.43	2,315.20	1.639E-02	Pulse	0.20	3
As	75	45	2	2.123	ug/l	3.60	414.68	2.935E-03	Pulse	0.50	3
Se	78	45	2	1.780	ug/l	13.03	42.67	3.019E-04	Pulse	1.00	3
Se	78	45	3	1.995	ug/l	9.36	136.67	4.280E-04	Pulse	1.00	3
Sr	88	45	1	514.288	ug/l	1.33	7,856,036.55	2.791E+00	Analog	0.10	3
Mo	95	103	1	29.715	ug/l	2.53	83,341.11	1.848E-02	Pulse	0.10	3
Ag	107	115	1	0.005	ug/l	126.49	150.01	2.785E-05	Pulse	0.10	3
Cd	111	115	1	0.061	ug/l	45.48	122.67	2.271E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.048	ug/l	14.60	36.00	3.051E-05	Pulse	0.25	3
Sn	117	115	1	0.142	ug/l	18.09	370.02	6.869E-05	Pulse	0.10	3
Sn	118	115	1	0.195	ug/l	8.23	1,426.79	2.650E-04	Pulse	0.10	3
Sn	118	115	2	0.223	ug/l	25.79	473.36	4.009E-04	Pulse	0.10	3
Sn	119	115	1	0.258	ug/l	12.15	713.38	1.324E-04	Pulse	0.10	3
Sb	121	159	1	0.663	ug/l	7.82	5,661.26	5.914E-04	Pulse	0.10	3
Ba	137	159	1	76.756	ug/l	1.70	214,506.94	2.240E-02	Pulse	0.10	3
Tl	205	209	1	0.071	ug/l	20.10	2,550.32	4.672E-04	Pulse	0.10	3
Pb	208	209	1	0.136	ug/l	9.20	3,566.99	6.539E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,520,903.53	0.42	71.1	Analog	0.10	3
1	Sc	45	2,815,355.48	0.83	77.7	Analog	0.10	3
2	Sc	45	141,283.36	0.51	80.4	Pulse	0.10	3
3	Sc	45	319,150.64	0.79	86.8	Pulse	0.10	3
1	Ge	72	636,314.20	0.71	83.1	Pulse	0.10	3
2	Ge	72	95,331.97	0.71	82.9	Pulse	0.10	3
3	Ge	72	168,602.93	1.65	91.1	Pulse	0.10	3
1	Rh	103	4,508,843.27	0.47	82.4	Analog	0.10	3
2	Rh	103	2,658,194.44	0.65	83.7	Analog	0.10	3
1	In	115	5,386,259.12	1.16	90.1	Analog	0.10	3
2	In	115	1,181,014.97	1.52	84.6	Pulse	0.10	3
1	Tb	159	9,575,050.69	0.93	99.1	Analog	0.10	3
2	Tb	159	5,341,276.17	1.00	96.4	Analog	0.10	3
1	Ho	165	9,390,497.78	0.44	100.8	Analog	0.10	3
2	Ho	165	5,313,783.05	0.27	97.2	Analog	0.10	3
1	Bi	209	5,454,690.33	1.36	95.4	Analog	0.10	3
2	Bi	209	3,574,760.99	0.38	92.4	Analog	0.10	3

Quantitation Report

File Name	055SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 1:50
Sample Name	jb23822-3f
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.005	ug/l	102.14	30.67	1.789E-05	Pulse	0.25	3
B	11	6	1	3.140	ug/l	3.86	6,454.73	3.764E-03	Pulse	0.15	3
Na	23	45	1	15.627	ug/l	4.45	236,322.80	7.836E-02	Pulse	0.10	3
Na	23	45	2	17.407	ug/l	2.32	9,466.17	6.417E-02	Pulse	0.20	3
Mg	24	45	1	2.904	ug/l	1.36	13,445.85	4.458E-03	Pulse	0.10	3
Mg	24	45	2	3.092	ug/l	10.34	408.35	2.770E-03	Pulse	0.20	3
Al	27	45	1	5.890	ug/l	10.15	35,519.39	1.177E-02	Pulse	0.10	3
Al	27	45	2	4.672	ug/l	10.03	211.67	1.435E-03	Pulse	0.20	3
K	39	45	1	1.940	ug/l	83.79	858,871.06	2.848E-01	Pulse	0.10	3
K	39	45	2	7.567	ug/l	45.10	6,519.71	4.421E-02	Pulse	0.20	3
Ca	43	45	1	63.608	ug/l	0.85	1,034.04	3.429E-04	Pulse	1.50	3
Ca	43	45	2	73.696	ug/l	22.97	26.00	1.764E-04	Pulse	1.50	3
Ca	44	45	1	61.645	ug/l	3.06	17,569.91	5.826E-03	Pulse	0.10	3
Ca	44	45	2	51.320	ug/l	9.48	328.34	2.227E-03	Pulse	0.20	3
Ti	47	45	1	0.399	ug/l	18.70	340.01	1.128E-04	Pulse	0.10	3
Ti	47	45	2	0.287	ug/l	61.01	16.67	1.128E-04	Pulse	0.20	3
V	51	45	2	0.337	ug/l	11.91	701.70	4.759E-03	Pulse	0.20	3
Cr	52	45	2	0.149	ug/l	8.66	1,205.07	8.169E-03	Pulse	0.20	3
Mn	55	45	2	0.302	ug/l	15.25	333.34	2.257E-03	Pulse	0.20	3
Fe	56	45	2	15.865	ug/l	0.72	23,151.61	1.569E-01	Pulse	0.20	3
Co	59	45	2	0.039	ug/l	20.95	118.33	8.008E-04	Pulse	0.20	3
Ni	60	45	2	0.131	ug/l	73.28	276.68	1.872E-03	Pulse	0.20	3
Cu	63	45	2	0.905	ug/l	1.67	1,945.15	1.319E-02	Pulse	0.20	3
Cu	65	45	2	0.932	ug/l	9.66	983.38	6.663E-03	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	1.516	ug/l	16.18	736.70	4.997E-03	Pulse	0.20	3
As	75	45	2	0.157	ug/l	50.67	41.33	2.809E-04	Pulse	0.50	3
Se	78	45	2	-0.041	ug/l	-600.45	12.33	8.386E-05	Pulse	1.00	3
Se	78	45	3	0.045	ug/l	35.37	5.33	1.595E-05	Pulse	1.00	3
Sr	88	45	1	0.097	ug/l	4.90	2,086.89	6.919E-04	Pulse	0.10	3
Mo	95	103	1	0.088	ug/l	8.79	380.02	7.426E-05	Pulse	0.10	3
Ag	107	115	1	0.003	ug/l	294.56	143.34	2.469E-05	Pulse	0.10	3
Cd	111	115	1	0.009	ug/l	67.20	41.33	7.116E-06	Pulse	0.25	3
Cd	111	115	2	0.017	ug/l	55.20	17.33	1.365E-05	Pulse	0.25	3
Sn	117	115	1	0.104	ug/l	37.19	336.69	5.791E-05	Pulse	0.10	3
Sn	118	115	1	0.102	ug/l	38.83	1,036.75	1.780E-04	Pulse	0.10	3
Sn	118	115	2	0.140	ug/l	37.59	383.35	3.014E-04	Pulse	0.10	3
Sn	119	115	1	0.142	ug/l	21.57	543.36	9.337E-05	Pulse	0.10	3
Sb	121	159	1	0.047	ug/l	66.44	2,240.25	2.235E-04	Pulse	0.10	3
Ba	137	159	1	0.184	ug/l	25.75	1,340.12	1.337E-04	Pulse	0.10	3
Tl	205	209	1	0.062	ug/l	11.32	2,610.35	4.407E-04	Pulse	0.10	3
Pb	208	209	1	0.062	ug/l	11.85	2,176.82	3.675E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,714,728.45	0.14	80.2	Analog	0.10	3
1	Sc	45	3,015,918.60	0.39	83.3	Analog	0.10	3
2	Sc	45	147,527.19	1.36	83.9	Pulse	0.10	3
3	Sc	45	334,090.75	0.99	90.9	Pulse	0.10	3
1	Ge	72	702,270.56	1.45	91.7	Pulse	0.10	3
2	Ge	72	104,756.52	0.36	91.1	Pulse	0.10	3
3	Ge	72	177,281.50	0.44	95.8	Pulse	0.10	3
1	Rh	103	5,116,460.76	0.49	93.5	Analog	0.10	3
2	Rh	103	2,979,745.37	0.93	93.8	Analog	0.10	3
1	In	115	5,815,173.52	1.13	97.3	Analog	0.10	3
2	In	115	1,271,699.92	0.52	91.0	Pulse	0.10	3
1	Tb	159	10,022,812.14	0.41	103.7	Analog	0.10	3
2	Tb	159	5,546,681.38	0.47	100.1	Analog	0.10	3
1	Ho	165	9,818,559.02	0.10	105.4	Analog	0.10	3
2	Ho	165	5,544,823.25	0.70	101.5	Analog	0.10	3
1	Bi	209	5,922,743.66	0.07	103.6	Analog	0.10	3
2	Bi	209	3,898,950.05	0.39	100.8	Analog	0.10	3

Quantitation Report

File Name	056SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 1:55
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.003	ug/l	-49.13	14.67	7.966E-06	Pulse	0.25	3
B	11	6	1	0.749	ug/l	7.35	4,487.38	2.436E-03	Pulse	0.15	3
Na	23	45	1	-1.672	ug/l	-1.45	127,161.42	4.038E-02	Pulse	0.10	3
Na	23	45	2	-0.606	ug/l	-93.09	5,597.70	3.643E-02	Pulse	0.20	3
Mg	24	45	1	-0.027	ug/l	-64.71	1,610.15	5.113E-04	Pulse	0.10	3
Mg	24	45	2	-0.018	ug/l	-498.64	61.67	4.020E-04	Pulse	0.20	3
Al	27	45	1	-0.040	ug/l	-30.01	3,917.27	1.244E-03	Pulse	0.10	3
Al	27	45	2	0.222	ug/l	43.88	43.33	2.824E-04	Pulse	0.20	3
K	39	45	1	-1.018	ug/l	-4.79	867,035.80	2.753E-01	Pulse	0.10	3
K	39	45	2	0.324	ug/l	113.19	6,044.54	3.932E-02	Pulse	0.20	3
Ca	43	45	1	-0.864	ug/l	-49.44	84.44	2.682E-05	Pulse	1.50	3
Ca	43	45	2	-0.913	ug/l	-276.86	1.33	8.565E-06	Pulse	1.50	3
Ca	44	45	1	-1.875	ug/l	-15.05	2,103.55	6.680E-04	Pulse	0.10	3
Ca	44	45	2	-0.019	ug/l	-8816.42	31.67	2.072E-04	Pulse	0.20	3
Ti	47	45	1	-0.008	ug/l	-219.33	50.00	1.588E-05	Pulse	0.10	3
Ti	47	45	2	-0.011	ug/l	-277.80	3.33	2.162E-05	Pulse	0.20	3
V	51	45	2	0.011	ug/l	108.46	300.01	1.951E-03	Pulse	0.20	3
Cr	52	45	2	-0.032	ug/l	-50.71	876.71	5.707E-03	Pulse	0.20	3
Mn	55	45	2	-0.012	ug/l	-45.66	31.67	2.053E-04	Pulse	0.20	3
Fe	56	45	2	-0.336	ug/l	-14.23	1,558.44	1.015E-02	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	132.30	21.67	1.417E-04	Pulse	0.20	3
Ni	60	45	2	-0.046	ug/l	-43.62	121.67	7.920E-04	Pulse	0.20	3
Cu	63	45	2	-0.019	ug/l	-83.31	148.34	9.658E-04	Pulse	0.20	3
Cu	65	45	2	-0.019	ug/l	-9.80	71.67	4.664E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.291	ug/l	-7.92	68.33	4.438E-04	Pulse	0.20	3
As	75	45	2	0.008	ug/l	61.47	14.00	9.111E-05	Pulse	0.50	3
Se	78	45	2	-0.037	ug/l	-318.79	12.33	7.996E-05	Pulse	1.00	3
Se	78	45	3	0.011	ug/l	165.12	3.67	1.099E-05	Pulse	1.00	3
Sr	88	45	1	0.000	ug/l	2403.72	533.36	1.695E-04	Pulse	0.10	3
Mo	95	103	1	-0.001	ug/l	-584.52	96.67	1.865E-05	Pulse	0.10	3
Ag	107	115	1	-0.001	ug/l	-211.60	110.00	1.890E-05	Pulse	0.10	3
Cd	111	115	1	-0.005	ug/l	-36.12	9.33	1.599E-06	Pulse	0.25	3
Cd	111	115	2	-0.004	ug/l	-47.81	1.33	1.038E-06	Pulse	0.25	3
Sn	117	115	1	-0.011	ug/l	-86.91	126.68	2.175E-05	Pulse	0.10	3
Sn	118	115	1	-0.011	ug/l	-64.38	360.02	6.180E-05	Pulse	0.10	3
Sn	118	115	2	-0.015	ug/l	-165.68	126.67	9.823E-05	Pulse	0.10	3
Sn	119	115	1	-0.035	ug/l	-8.86	126.68	2.175E-05	Pulse	0.10	3
Sb	121	159	1	-0.078	ug/l	-13.93	993.41	1.023E-04	Pulse	0.10	3
Ba	137	159	1	0.007	ug/l	528.00	816.73	8.408E-05	Pulse	0.10	3
Tl	205	209	1	0.000	ug/l	-592.32	1,543.49	2.650E-04	Pulse	0.10	3
Pb	208	209	1	-0.004	ug/l	-34.95	560.04	9.623E-05	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,842,248.04	0.28	86.2	Analog	0.10	3
1	Sc	45	3,149,154.74	0.51	87.0	Analog	0.10	3
2	Sc	45	153,721.44	1.54	87.4	Pulse	0.10	3
3	Sc	45	336,068.65	1.66	91.4	Pulse	0.10	3
1	Ge	72	696,746.22	1.12	91.0	Pulse	0.10	3
2	Ge	72	106,588.25	0.56	92.7	Pulse	0.10	3
3	Ge	72	172,441.76	2.64	93.2	Pulse	0.10	3
1	Rh	103	5,183,809.61	0.23	94.7	Analog	0.10	3
2	Rh	103	3,030,101.31	0.65	95.4	Analog	0.10	3
1	In	115	5,825,684.25	0.51	97.5	Analog	0.10	3
2	In	115	1,294,428.78	0.99	92.7	Pulse	0.10	3
1	Tb	159	9,709,653.81	0.34	100.5	Analog	0.10	3
2	Tb	159	5,415,887.42	0.96	97.7	Analog	0.10	3
1	Ho	165	9,392,526.32	1.07	100.8	Analog	0.10	3
2	Ho	165	5,411,407.42	0.99	99.0	Analog	0.10	3
1	Bi	209	5,824,497.20	1.08	101.9	Analog	0.10	3
2	Bi	209	3,857,204.21	0.93	99.8	Analog	0.10	3

Quantitation Report

File Name	057SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 2:00
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	47.838	ug/l	1.02	147,791.63	8.569E-02	Pulse	0.25	3
B	11	6	1	48.402	ug/l	2.72	137,089.09	7.949E-02	Pulse	0.15	3
Na	23	45	1	4704.398	ug/l	0.29	56,367,484.16	1.889E+01	Analog	0.10	3
Na	23	45	2	4803.392	ug/l	0.57	2,092,427.11	1.435E+01	Analog	0.20	3
Mg	24	45	1	4777.302	ug/l	0.42	38,045,012.77	1.275E+01	Analog	0.10	3
Mg	24	45	2	4620.528	ug/l	0.53	1,020,167.07	6.996E+00	Pulse	0.20	3
Al	27	45	1	4800.798	ug/l	0.49	50,551,747.58	1.694E+01	Analog	0.10	3
Al	27	45	2	4678.137	ug/l	0.17	372,143.61	2.552E+00	Pulse	0.20	3
K	39	45	1	4929.415	ug/l	0.54	70,893,870.61	2.375E+01	Analog	0.10	3
K	39	45	2	4752.241	ug/l	0.70	986,651.57	6.766E+00	Pulse	0.20	3
Ca	43	45	1	4956.139	ug/l	0.44	143,208.96	4.798E-02	Pulse	1.50	3
Ca	43	45	2	5289.886	ug/l	1.85	3,429.47	2.352E-02	Pulse	1.50	3
Ca	44	45	1	4979.643	ug/l	0.61	2,347,296.27	7.865E-01	Analog	0.10	3
Ca	44	45	2	5041.418	ug/l	0.49	57,860.74	3.968E-01	Pulse	0.20	3
Ti	47	45	1	47.601	ug/l	1.09	66,300.54	2.221E-02	Pulse	0.10	3
Ti	47	45	2	47.555	ug/l	4.53	4,087.25	2.803E-02	Pulse	0.20	3
V	51	45	2	48.079	ug/l	1.72	125,065.47	8.577E-01	Pulse	0.20	3
Cr	52	45	2	47.913	ug/l	1.17	162,594.82	1.115E+00	Pulse	0.20	3
Mn	55	45	2	47.833	ug/l	0.36	87,770.26	6.019E-01	Pulse	0.20	3
Fe	56	45	2	5045.010	ug/l	0.23	13,062,219.81	8.957E+01	Analog	0.20	3
Co	59	45	2	47.684	ug/l	1.58	253,462.41	1.738E+00	Pulse	0.20	3
Ni	60	45	2	47.313	ug/l	1.61	66,728.16	4.576E-01	Pulse	0.20	3
Cu	63	45	2	48.236	ug/l	0.63	182,439.85	1.251E+00	Pulse	0.20	3
Cu	65	45	2	48.362	ug/l	0.98	90,156.49	6.182E-01	Pulse	0.20	3
Zn	66	45	2	48.765	ug/l	1.75	31,114.84	2.134E-01	Pulse	0.20	3
As	75	45	2	49.063	ug/l	0.54	19,323.49	1.325E-01	Pulse	0.50	3
Se	78	45	2	48.537	ug/l	2.09	1,708.43	1.171E-02	Pulse	1.00	3
Se	78	45	3	48.475	ug/l	1.77	6,413.62	2.050E-02	Pulse	1.00	3
Sr	88	45	1	51.691	ug/l	0.23	1,674,684.30	5.611E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	48.626	ug/l	1.33	288,254.94	6.045E-02	Pulse	0.10	3
Ag	107	115	1	45.709	ug/l	0.81	643,662.65	1.184E-01	Pulse	0.10	3
Cd	111	115	1	47.548	ug/l	0.80	154,460.02	2.840E-02	Pulse	0.25	3
Cd	111	115	2	47.475	ug/l	0.42	61,191.01	5.046E-02	Pulse	0.25	3
Sn	117	115	1	48.458	ug/l	0.56	151,886.46	2.793E-02	Pulse	0.10	3
Sn	118	115	1	48.254	ug/l	0.16	490,981.76	9.028E-02	Pulse	0.10	3
Sn	118	115	2	48.952	ug/l	0.50	142,641.18	1.176E-01	Pulse	0.10	3
Sn	119	115	1	48.054	ug/l	0.74	177,212.39	3.259E-02	Pulse	0.10	3
Sb	121	159	1	51.891	ug/l	0.49	578,031.41	6.210E-02	Pulse	0.10	3
Ba	137	159	1	46.899	ug/l	1.27	254,688.61	2.736E-02	Pulse	0.10	3
Tl	205	209	1	45.828	ug/l	0.72	1,415,059.66	2.583E-01	Mix	0.10	3
Pb	208	209	1	48.589	ug/l	0.68	2,057,998.64	3.756E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,724,725.12	0.57	80.7	Analog	0.10	3
1	Sc	45	2,984,663.91	0.98	82.4	Analog	0.10	3
2	Sc	45	145,827.47	0.53	82.9	Pulse	0.10	3
3	Sc	45	312,912.53	0.85	85.1	Pulse	0.10	3
1	Ge	72	642,621.07	0.63	83.9	Pulse	0.10	3
2	Ge	72	97,535.18	0.71	84.9	Pulse	0.10	3
3	Ge	72	163,578.24	0.72	88.4	Pulse	0.10	3
1	Rh	103	4,768,612.01	0.90	87.2	Analog	0.10	3
2	Rh	103	2,840,693.29	0.33	89.4	Analog	0.10	3
1	In	115	5,438,188.67	0.60	91.0	Analog	0.10	3
2	In	115	1,212,697.20	0.91	86.8	Pulse	0.10	3
1	Tb	159	9,308,388.61	0.20	96.3	Analog	0.10	3
2	Tb	159	5,255,690.34	0.28	94.8	Analog	0.10	3
1	Ho	165	9,027,650.70	1.06	96.9	Analog	0.10	3
2	Ho	165	5,262,907.53	0.51	96.3	Analog	0.10	3
1	Bi	209	5,478,808.87	0.44	95.9	Analog	0.10	3
2	Bi	209	3,685,380.26	0.59	95.3	Analog	0.10	3

Quantitation Report

File Name	058SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 2:05
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.003	ug/l	-21.63	13.33	7.406E-06	Pulse	0.25	3
B	11	6	1	1.243	ug/l	3.89	5,821.16	3.235E-03	Pulse	0.15	3
Na	23	45	1	-1.757	ug/l	-3.16	125,607.31	4.004E-02	Pulse	0.10	3
Na	23	45	2	-0.801	ug/l	-14.82	5,574.37	3.585E-02	Pulse	0.20	3
Mg	24	45	1	0.039	ug/l	6.62	2,156.89	6.875E-04	Pulse	0.10	3
Mg	24	45	2	-0.043	ug/l	-149.61	56.67	3.644E-04	Pulse	0.20	3
Al	27	45	1	-0.031	ug/l	-77.34	4,007.31	1.277E-03	Pulse	0.10	3
Al	27	45	2	0.038	ug/l	882.81	28.33	1.819E-04	Pulse	0.20	3
K	39	45	1	-1.858	ug/l	-14.27	851,152.88	2.713E-01	Pulse	0.10	3
K	39	45	2	-0.106	ug/l	-787.98	6,019.53	3.871E-02	Pulse	0.20	3
Ca	43	45	1	-0.873	ug/l	-49.99	83.78	2.673E-05	Pulse	1.50	3
Ca	43	45	2	-0.266	ug/l	-550.79	1.78	1.144E-05	Pulse	1.50	3
Ca	44	45	1	-1.796	ug/l	-20.91	2,133.56	6.803E-04	Pulse	0.10	3
Ca	44	45	2	-1.289	ug/l	-79.94	16.67	1.073E-04	Pulse	0.20	3
Ti	47	45	1	0.012	ug/l	96.94	80.00	2.552E-05	Pulse	0.10	3
Ti	47	45	2	-0.012	ug/l	-529.25	3.33	2.137E-05	Pulse	0.20	3
V	51	45	2	-0.010	ug/l	-52.21	246.68	1.586E-03	Pulse	0.20	3
Cr	52	45	2	-0.010	ug/l	-258.75	965.05	6.207E-03	Pulse	0.20	3
Mn	55	45	2	-0.020	ug/l	-29.26	16.67	1.072E-04	Pulse	0.20	3
Fe	56	45	2	0.179	ug/l	23.46	2,998.67	1.928E-02	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	81.87	20.00	1.286E-04	Pulse	0.20	3
Ni	60	45	2	-0.026	ug/l	-65.24	153.34	9.860E-04	Pulse	0.20	3
Cu	63	45	2	-0.013	ug/l	-6.29	176.67	1.136E-03	Pulse	0.20	3
Cu	65	45	2	-0.016	ug/l	-79.06	78.33	5.036E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.205	ug/l	-20.11	126.67	8.149E-04	Pulse	0.20	3
As	75	45	2	0.011	ug/l	24.76	15.33	9.860E-05	Pulse	0.50	3
Se	78	45	2	-0.102	ug/l	-95.63	10.00	6.435E-05	Pulse	1.00	3
Se	78	45	3	0.019	ug/l	89.56	4.67	1.431E-05	Pulse	1.00	3
Sr	88	45	1	0.003	ug/l	46.69	636.71	2.030E-04	Pulse	0.10	3
Mo	95	103	1	0.042	ug/l	19.54	366.69	7.220E-05	Pulse	0.10	3
Ag	107	115	1	0.002	ug/l	63.32	153.34	2.679E-05	Pulse	0.10	3
Cd	111	115	1	-0.002	ug/l	-141.30	20.00	3.493E-06	Pulse	0.25	3
Cd	111	115	2	-0.001	ug/l	-501.69	5.33	4.091E-06	Pulse	0.25	3
Sn	117	115	1	0.044	ug/l	48.40	303.35	5.299E-05	Pulse	0.10	3
Sn	118	115	1	0.037	ug/l	21.16	870.06	1.520E-04	Pulse	0.10	3
Sn	118	115	2	0.042	ug/l	76.90	306.68	2.354E-04	Pulse	0.10	3
Sn	119	115	1	0.037	ug/l	27.15	403.36	7.047E-05	Pulse	0.10	3
Sb	121	159	1	-0.026	ug/l	-22.35	1,566.81	1.642E-04	Pulse	0.10	3
Ba	137	159	1	0.028	ug/l	74.85	920.06	9.644E-05	Pulse	0.10	3
Tl	205	209	1	0.219	ug/l	4.40	8,576.20	1.498E-03	Pulse	0.10	3
Pb	208	209	1	-0.002	ug/l	-75.85	670.03	1.171E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,799,085.92	0.71	84.1	Analog	0.10	3
1	Sc	45	3,137,019.74	0.76	86.6	Analog	0.10	3
2	Sc	45	155,499.48	0.29	88.4	Pulse	0.10	3
3	Sc	45	326,864.58	1.28	88.9	Pulse	0.10	3
1	Ge	72	682,235.69	0.52	89.1	Pulse	0.10	3
2	Ge	72	106,741.75	1.51	92.9	Pulse	0.10	3
3	Ge	72	170,947.95	0.04	92.4	Pulse	0.10	3
1	Rh	103	5,082,951.18	1.11	92.9	Analog	0.10	3
2	Rh	103	3,017,727.46	0.19	95.0	Analog	0.10	3
1	In	115	5,722,653.98	0.45	95.8	Analog	0.10	3
2	In	115	1,304,445.97	0.57	93.4	Pulse	0.10	3
1	Tb	159	9,543,834.65	0.63	98.8	Analog	0.10	3
2	Tb	159	5,437,999.08	0.11	98.1	Analog	0.10	3
1	Ho	165	9,225,949.24	0.90	99.0	Analog	0.10	3
2	Ho	165	5,390,508.46	0.45	98.7	Analog	0.10	3
1	Bi	209	5,726,038.87	0.98	100.2	Analog	0.10	3
2	Bi	209	3,837,077.24	0.25	99.2	Analog	0.10	3

Quantitation Report

File Name	059SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 2:10
Sample Name	MP68736-MB2 4
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.046	ug/l	36.32	94.67	5.439E-05	Pulse	0.25	3
B	11	6	1	1.575	ug/l	5.72	4,351.80	2.499E-03	Pulse	0.15	3
Na	23	45	1	-0.049	ug/l	-811.55	139,585.38	4.697E-02	Pulse	0.10	3
Na	23	45	2	1.045	ug/l	126.98	5,814.45	3.979E-02	Pulse	0.20	3
Mg	24	45	1	0.803	ug/l	16.31	4,921.08	1.656E-03	Pulse	0.10	3
Mg	24	45	2	0.821	ug/l	80.13	153.34	1.051E-03	Pulse	0.20	3
Al	27	45	1	3.591	ug/l	83.53	22,945.56	7.719E-03	Pulse	0.10	3
Al	27	45	2	3.255	ug/l	28.54	153.34	1.049E-03	Pulse	0.20	3
K	39	45	1	-1.608	ug/l	-47.21	821,163.61	2.763E-01	Pulse	0.10	3
K	39	45	2	5.041	ug/l	26.64	6,198.08	4.243E-02	Pulse	0.20	3
Ca	43	45	1	12.438	ug/l	13.25	283.34	9.534E-05	Pulse	1.50	3
Ca	43	45	2	12.794	ug/l	27.86	6.00	4.105E-05	Pulse	1.50	3
Ca	44	45	1	10.186	ug/l	6.31	5,251.03	1.767E-03	Pulse	0.10	3
Ca	44	45	2	10.066	ug/l	32.70	88.33	6.046E-04	Pulse	0.20	3
Ti	47	45	1	0.469	ug/l	23.76	383.36	1.291E-04	Pulse	0.10	3
Ti	47	45	2	0.214	ug/l	32.00	13.33	9.133E-05	Pulse	0.20	3
V	51	45	2	0.496	ug/l	0.42	901.71	6.172E-03	Pulse	0.20	3
Cr	52	45	2	1.447	ug/l	17.13	3,385.42	2.318E-02	Pulse	0.20	3
Mn	55	45	2	0.044	ug/l	44.50	93.33	6.393E-04	Pulse	0.20	3
Fe	56	45	2	8.230	ug/l	6.71	13,028.05	8.916E-02	Pulse	0.20	3
Co	59	45	2	0.018	ug/l	31.50	60.00	4.105E-04	Pulse	0.20	3
Ni	60	45	2	0.070	ug/l	17.90	230.01	1.574E-03	Pulse	0.20	3
Cu	63	45	2	2.956	ug/l	2.55	5,807.80	3.976E-02	Pulse	0.20	3
Cu	65	45	2	3.172	ug/l	4.78	3,062.01	2.096E-02	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.276	ug/l	56.60	336.68	2.305E-03	Pulse	0.20	3
As	75	45	2	0.155	ug/l	22.79	40.67	2.783E-04	Pulse	0.50	3
Se	78	45	2	-0.188	ug/l	-93.12	9.67	6.620E-05	Pulse	1.00	3
Se	78	45	3	0.091	ug/l	24.17	8.33	2.561E-05	Pulse	1.00	3
Sr	88	45	1	0.039	ug/l	7.32	1,120.10	3.769E-04	Pulse	0.10	3
Mo	95	103	1	0.387	ug/l	12.44	1,296.77	2.601E-04	Pulse	0.10	3
Ag	107	115	1	0.002	ug/l	318.65	133.34	2.358E-05	Pulse	0.10	3
Cd	111	115	1	0.007	ug/l	75.48	37.33	6.595E-06	Pulse	0.25	3
Cd	111	115	2	-0.007	ug/l	-49.17	1.33	1.061E-06	Pulse	0.25	3
Sn	117	115	1	0.325	ug/l	11.47	686.71	1.214E-04	Pulse	0.10	3
Sn	118	115	1	0.271	ug/l	8.82	1,900.20	3.360E-04	Pulse	0.10	3
Sn	118	115	2	0.375	ug/l	13.94	730.04	5.839E-04	Pulse	0.10	3
Sn	119	115	1	0.265	ug/l	16.64	763.38	1.350E-04	Pulse	0.10	3
Sb	121	159	1	0.141	ug/l	5.64	2,717.03	2.798E-04	Pulse	0.10	3
Ba	137	159	1	0.139	ug/l	59.04	1,170.33	1.205E-04	Pulse	0.10	3
Tl	205	209	1	0.159	ug/l	10.59	4,130.74	7.137E-04	Pulse	0.10	3
Pb	208	209	1	0.014	ug/l	38.68	1,060.06	1.833E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,741,618.97	0.37	81.5	Analog	0.10	3
1	Sc	45	2,971,608.29	0.36	82.1	Analog	0.10	3
2	Sc	45	146,094.34	0.55	83.1	Pulse	0.10	3
3	Sc	45	325,384.36	0.24	88.5	Pulse	0.10	3
1	Ge	72	670,905.33	0.66	87.6	Pulse	0.10	3
2	Ge	72	102,307.18	1.52	89.0	Pulse	0.10	3
3	Ge	72	171,686.31	1.58	92.8	Pulse	0.10	3
1	Rh	103	4,984,056.28	0.52	91.1	Analog	0.10	3
2	Rh	103	2,923,918.39	0.42	92.0	Analog	0.10	3
1	In	115	5,657,040.19	1.18	94.7	Analog	0.10	3
2	In	115	1,250,651.09	0.54	89.5	Pulse	0.10	3
1	Tb	159	9,710,903.19	0.35	100.5	Analog	0.10	3
2	Tb	159	5,399,918.04	0.09	97.4	Analog	0.10	3
1	Ho	165	9,396,769.86	1.15	100.9	Analog	0.10	3
2	Ho	165	5,377,848.88	0.26	98.4	Analog	0.10	3
1	Bi	209	5,786,900.96	0.60	101.3	Analog	0.10	3
2	Bi	209	3,791,584.84	0.85	98.1	Analog	0.10	3

Quantitation Report

File Name	060SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 2:15
Sample Name	MP68736-LC2
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	503.800	ug/l	0.74	710,840.19	4.512E-01	Pulse	0.25	3
B	11	6	1	1.888	ug/l	7.69	4,336.21	2.752E-03	Pulse	0.15	3
Na	23	45	1	9402.632	ug/l	0.85	51,967,125.89	1.887E+01	Analog	0.10	3
Na	23	45	2	9940.695	ug/l	1.37	2,008,098.77	1.485E+01	Analog	0.20	3
Mg	24	45	1	5291.343	ug/l	0.79	19,437,731.79	7.059E+00	Analog	0.10	3
Mg	24	45	2	5234.964	ug/l	1.38	536,071.24	3.963E+00	Pulse	0.20	3
Al	27	45	1	4786.371	ug/l	1.20	23,248,974.65	8.444E+00	Analog	0.10	3
Al	27	45	2	4607.860	ug/l	1.33	170,013.63	1.257E+00	Pulse	0.20	3
K	39	45	1	9868.743	ug/l	0.66	65,470,714.03	2.378E+01	Analog	0.10	3
K	39	45	2	9430.181	ug/l	1.33	908,074.75	6.713E+00	Pulse	0.20	3
Ca	43	45	1	5463.512	ug/l	1.08	72,864.60	2.646E-02	Pulse	1.50	3
Ca	43	45	2	5413.975	ug/l	2.60	1,628.53	1.204E-02	Pulse	1.50	3
Ca	44	45	1	5457.727	ug/l	0.91	1,188,000.74	4.314E-01	Pulse	0.10	3
Ca	44	45	2	5301.270	ug/l	2.96	28,225.97	2.087E-01	Pulse	0.20	3
Ti	47	45	1	454.065	ug/l	0.33	291,517.17	1.059E-01	Pulse	0.10	3
Ti	47	45	2	459.104	ug/l	1.04	18,288.69	1.352E-01	Pulse	0.20	3
V	51	45	2	521.612	ug/l	1.18	628,266.94	4.645E+00	Pulse	0.20	3
Cr	52	45	2	521.412	ug/l	1.59	816,777.77	6.039E+00	Pulse	0.20	3
Mn	55	45	2	512.148	ug/l	1.43	435,623.00	3.221E+00	Pulse	0.20	3
Fe	56	45	2	5666.120	ug/l	1.49	6,804,586.57	5.031E+01	Analog	0.20	3
Co	59	45	2	511.922	ug/l	1.75	1,261,983.24	9.330E+00	Pulse	0.20	3
Ni	60	45	2	514.529	ug/l	2.52	335,791.53	2.483E+00	Pulse	0.20	3
Cu	63	45	2	517.539	ug/l	0.75	906,993.58	6.705E+00	Pulse	0.20	3
Cu	65	45	2	518.195	ug/l	1.09	447,610.63	3.309E+00	Pulse	0.20	3
Zn	66	45	2	474.126	ug/l	2.60	139,396.26	1.031E+00	Pulse	0.20	3
As	75	45	2	485.353	ug/l	2.15	88,609.77	6.551E-01	Pulse	0.50	3
Se	78	45	2	441.298	ug/l	2.52	7,159.93	5.294E-02	Pulse	1.00	3
Se	78	45	3	453.674	ug/l	0.95	29,213.40	9.590E-02	Pulse	1.00	3
Sr	88	45	1	0.149	ug/l	5.39	2,683.67	9.746E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	455.473	ug/l	0.61	1,305,911.85	2.831E-01	Pulse	0.10	3
Ag	107	115	1	200.046	ug/l	1.23	1,385,250.14	2.590E-01	Mix	0.10	3
Cd	111	115	1	486.342	ug/l	0.09	776,909.25	1.452E-01	Pulse	0.25	3
Cd	111	115	2	501.257	ug/l	1.17	306,549.53	2.664E-01	Pulse	0.25	3
Sn	117	115	1	0.258	ug/l	12.64	546.70	1.022E-04	Pulse	0.10	3
Sn	118	115	1	0.256	ug/l	11.68	1,720.17	3.216E-04	Pulse	0.10	3
Sn	118	115	2	0.236	ug/l	29.09	480.03	4.171E-04	Pulse	0.10	3
Sn	119	115	1	0.277	ug/l	13.14	743.39	1.390E-04	Pulse	0.10	3
Sb	121	159	1	524.919	ug/l	0.89	2,950,789.33	3.133E-01	Analog	0.10	3
Ba	137	159	1	486.275	ug/l	0.36	1,332,925.55	1.415E-01	Mix	0.10	3
Tl	205	209	1	501.171	ug/l	0.61	7,815,901.34	1.411E+00	Analog	0.10	3
Pb	208	209	1	517.579	ug/l	0.69	11,078,991.50	2.000E+00	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,575,555.63	0.75	73.7	Analog	0.10	3
1	Sc	45	2,753,670.89	1.15	76.0	Analog	0.10	3
2	Sc	45	135,280.24	1.57	76.9	Pulse	0.10	3
3	Sc	45	304,653.18	1.45	82.9	Pulse	0.10	3
1	Ge	72	645,717.01	0.64	84.3	Pulse	0.10	3
2	Ge	72	94,949.22	0.82	82.6	Pulse	0.10	3
3	Ge	72	165,478.75	0.39	89.4	Pulse	0.10	3
1	Rh	103	4,613,789.83	0.86	84.3	Analog	0.10	3
2	Rh	103	2,706,122.88	0.43	85.2	Analog	0.10	3
1	In	115	5,349,064.38	0.25	89.5	Analog	0.10	3
2	In	115	1,150,880.37	0.38	82.4	Pulse	0.10	3
1	Tb	159	9,419,310.28	1.07	97.5	Analog	0.10	3
2	Tb	159	5,250,084.50	0.08	94.7	Analog	0.10	3
1	Ho	165	9,241,377.57	0.65	99.2	Analog	0.10	3
2	Ho	165	5,242,071.59	0.16	95.9	Analog	0.10	3
1	Bi	209	5,539,132.42	0.42	96.9	Analog	0.10	3
2	Bi	209	3,640,420.05	0.82	94.1	Analog	0.10	3

Quantitation Report

File Name	061SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 2:20
Sample Name	MP68736-S3
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	48.371	ug/l	1.77	14,980.07	8.677E-03	Pulse	0.25	3
B	11	6	1	71.505	ug/l	1.33	22,076.89	1.279E-02	Pulse	0.15	3
Na	23	45	1	85383.610	ug/l	1.57	105,515,205.10	3.424E+01	Analog	0.10	3
Na	23	45	2	85768.698	ug/l	0.96	3,871,123.90	2.559E+01	Analog	0.20	3
Mg	24	45	1	40913.771	ug/l	1.13	33,642,183.66	1.092E+01	Analog	0.10	3
Mg	24	45	2	39132.999	ug/l	1.29	896,282.59	5.925E+00	Pulse	0.20	3
Al	27	45	1	92085.073	ug/l	1.35	100,115,965.17	3.249E+01	Analog	0.10	3
Al	27	45	2	88102.807	ug/l	1.39	726,978.90	4.806E+00	Pulse	0.20	3
K	39	45	1	34237.357	ug/l	0.96	51,106,679.24	1.658E+01	Analog	0.10	3
K	39	45	2	32392.166	ug/l	1.41	699,485.17	4.624E+00	Pulse	0.20	3
Ca	43	45	1	110474.721	ug/l	0.40	329,486.10	1.069E-01	Pulse	1.50	3
Ca	43	45	2	114108.607	ug/l	1.84	7,671.99	5.072E-02	Pulse	1.50	3
Ca	44	45	1	111341.206	ug/l	0.84	5,416,119.29	1.757E+00	Analog	0.10	3
Ca	44	45	2	109415.256	ug/l	2.38	130,213.75	8.609E-01	Pulse	0.20	3
Ti	47	45	1	976.297	ug/l	0.39	140,342.80	4.554E-02	Pulse	0.10	3
Ti	47	45	2	932.324	ug/l	1.56	8,308.91	5.493E-02	Pulse	0.20	3
V	51	45	2	640.634	ug/l	1.88	172,775.47	1.142E+00	Pulse	0.20	3
Cr	52	45	2	510.402	ug/l	1.67	179,608.23	1.187E+00	Pulse	0.20	3
Mn	55	45	2	1938.381	ug/l	1.22	368,790.46	2.438E+00	Pulse	0.20	3
Fe	56	45	2	64156.852	ug/l	1.58	17,229,823.91	1.139E+02	Analog	0.20	3
Co	59	45	2	491.343	ug/l	1.83	270,919.04	1.791E+00	Pulse	0.20	3
Ni	60	45	2	2464.374	ug/l	0.81	359,776.10	2.378E+00	Pulse	0.20	3
Cu	63	45	2	765.641	ug/l	2.18	300,236.92	1.985E+00	Pulse	0.20	3
Cu	65	45	2	765.790	ug/l	2.22	148,012.35	9.785E-01	Pulse	0.20	3
Zn	66	45	2	6582.580	ug/l	1.20	432,468.00	2.859E+00	Pulse	0.20	3
As	75	45	2	1999.974	ug/l	1.31	81,675.36	5.399E-01	Pulse	0.50	3
Se	78	45	2	1859.288	ug/l	1.97	6,749.75	4.462E-02	Pulse	1.00	3
Se	78	45	3	1906.614	ug/l	0.75	25,904.85	8.061E-02	Pulse	1.00	3
Sr	88	45	1	613.082	ug/l	1.07	2,050,995.18	6.655E-01	Analog	0.10	3
Mo	95	103	1	17.686	ug/l	3.62	10,657.34	2.218E-03	Pulse	0.10	3
Ag	107	115	1	47.109	ug/l	2.14	68,016.63	1.222E-02	Pulse	0.10	3
Cd	111	115	1	55.557	ug/l	1.59	18,497.66	3.323E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	57.167	ug/l	0.67	7,568.57	6.080E-03	Pulse	0.25	3
Sn	117	115	1	9.304	ug/l	7.72	3,137.12	5.636E-04	Pulse	0.10	3
Sn	118	115	1	8.771	ug/l	4.05	9,586.57	1.722E-03	Pulse	0.10	3
Sn	118	115	2	9.284	ug/l	1.46	2,940.39	2.362E-03	Pulse	0.10	3
Sn	119	115	1	8.645	ug/l	2.26	3,510.53	6.306E-04	Pulse	0.10	3
Sb	121	159	1	520.672	ug/l	0.32	590,648.47	6.231E-02	Pulse	0.10	3
Ba	137	159	1	1924.327	ug/l	0.60	1,061,849.83	1.120E-01	Pulse	0.10	3
Tl	205	209	1	1822.272	ug/l	1.10	5,740,541.79	1.026E+00	Analog	0.10	3
Pb	208	209	1	596.222	ug/l	0.37	2,578,244.13	4.609E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,726,388.63	0.38	80.7	Analog	0.10	3
1	Sc	45	3,081,901.62	0.74	85.1	Analog	0.10	3
2	Sc	45	151,280.08	1.00	86.0	Pulse	0.10	3
3	Sc	45	321,369.04	0.55	87.4	Pulse	0.10	3
1	Ge	72	649,436.29	0.55	84.8	Pulse	0.10	3
2	Ge	72	99,946.83	0.70	87.0	Pulse	0.10	3
3	Ge	72	162,429.42	1.47	87.8	Pulse	0.10	3
1	Rh	103	4,805,369.41	1.11	87.8	Analog	0.10	3
2	Rh	103	2,843,652.87	0.63	89.5	Analog	0.10	3
1	In	115	5,566,986.96	0.35	93.2	Analog	0.10	3
2	In	115	1,244,708.19	1.04	89.1	Pulse	0.10	3
1	Tb	159	9,479,317.78	1.00	98.1	Analog	0.10	3
2	Tb	159	5,362,372.84	0.30	96.8	Analog	0.10	3
1	Ho	165	9,210,610.28	0.71	98.9	Analog	0.10	3
2	Ho	165	5,342,634.92	0.61	97.8	Analog	0.10	3
1	Bi	209	5,593,960.75	0.47	97.9	Analog	0.10	3
2	Bi	209	3,775,866.30	0.49	97.6	Analog	0.10	3

Quantitation Report

File Name	062SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 2:25
Sample Name	MP68736-S4
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	47.312	ug/l	2.02	14,914.67	8.487E-03	Pulse	0.25	3
B	11	6	1	73.244	ug/l	0.26	22,967.16	1.307E-02	Pulse	0.15	3
Na	23	45	1	85736.734	ug/l	0.69	108,183,815.06	3.438E+01	Analog	0.10	3
Na	23	45	2	90515.658	ug/l	0.81	4,042,587.13	2.700E+01	Analog	0.20	3
Mg	24	45	1	41082.580	ug/l	1.09	34,491,935.32	1.096E+01	Analog	0.10	3
Mg	24	45	2	40729.728	ug/l	0.51	923,192.77	6.167E+00	Pulse	0.20	3
Al	27	45	1	92661.042	ug/l	1.57	102,858,185.13	3.269E+01	Analog	0.10	3
Al	27	45	2	91269.431	ug/l	0.46	745,317.85	4.979E+00	Pulse	0.20	3
K	39	45	1	34529.029	ug/l	1.00	52,619,214.22	1.672E+01	Analog	0.10	3
K	39	45	2	33279.114	ug/l	0.12	711,052.78	4.750E+00	Pulse	0.20	3
Ca	43	45	1	111531.364	ug/l	0.91	339,634.22	1.079E-01	Pulse	1.50	3
Ca	43	45	2	114396.734	ug/l	1.07	7,611.74	5.085E-02	Pulse	1.50	3
Ca	44	45	1	112505.407	ug/l	0.85	5,587,549.92	1.776E+00	Analog	0.10	3
Ca	44	45	2	112149.702	ug/l	0.41	132,098.33	8.824E-01	Pulse	0.20	3
Ti	47	45	1	989.512	ug/l	1.40	145,227.60	4.615E-02	Pulse	0.10	3
Ti	47	45	2	940.863	ug/l	1.96	8,298.89	5.543E-02	Pulse	0.20	3
V	51	45	2	649.595	ug/l	0.69	173,387.28	1.158E+00	Pulse	0.20	3
Cr	52	45	2	519.889	ug/l	0.50	181,043.48	1.209E+00	Pulse	0.20	3
Mn	55	45	2	1983.626	ug/l	0.85	373,480.67	2.495E+00	Pulse	0.20	3
Fe	56	45	2	66012.589	ug/l	0.69	17,544,870.99	1.172E+02	Analog	0.20	3
Co	59	45	2	496.669	ug/l	0.67	271,037.48	1.810E+00	Pulse	0.20	3
Ni	60	45	2	2518.250	ug/l	0.90	363,827.05	2.430E+00	Pulse	0.20	3
Cu	63	45	2	767.405	ug/l	0.64	297,830.21	1.989E+00	Pulse	0.20	3
Cu	65	45	2	771.116	ug/l	1.35	147,512.78	9.853E-01	Pulse	0.20	3
Zn	66	45	2	6659.840	ug/l	0.66	433,021.50	2.892E+00	Pulse	0.20	3
As	75	45	2	2013.891	ug/l	0.33	81,392.79	5.437E-01	Pulse	0.50	3
Se	78	45	2	1896.166	ug/l	2.34	6,811.77	4.551E-02	Pulse	1.00	3
Se	78	45	3	1896.241	ug/l	0.86	26,090.16	8.017E-02	Pulse	1.00	3
Sr	88	45	1	616.965	ug/l	1.34	2,107,245.65	6.697E-01	Analog	0.10	3
Mo	95	103	1	16.855	ug/l	4.60	10,353.73	2.114E-03	Pulse	0.10	3
Ag	107	115	1	47.604	ug/l	1.80	69,737.17	1.235E-02	Pulse	0.10	3
Cd	111	115	1	56.621	ug/l	1.40	19,127.71	3.386E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	57.189	ug/l	2.66	7,559.25	6.083E-03	Pulse	0.25	3
Sn	117	115	1	8.906	ug/l	8.49	3,053.74	5.407E-04	Pulse	0.10	3
Sn	118	115	1	8.896	ug/l	4.85	9,860.16	1.746E-03	Pulse	0.10	3
Sn	118	115	2	9.064	ug/l	3.81	2,870.39	2.309E-03	Pulse	0.10	3
Sn	119	115	1	9.408	ug/l	2.78	3,853.97	6.823E-04	Pulse	0.10	3
Sb	121	159	1	522.837	ug/l	1.45	603,136.18	6.257E-02	Pulse	0.10	3
Ba	137	159	1	1931.704	ug/l	1.84	1,083,955.95	1.124E-01	Pulse	0.10	3
Tl	205	209	1	1805.900	ug/l	0.83	5,800,964.91	1.017E+00	Analog	0.10	3
Pb	208	209	1	594.399	ug/l	0.29	2,620,953.82	4.595E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,757,400.86	0.78	82.2	Analog	0.10	3
1	Sc	45	3,146,806.10	0.68	86.9	Analog	0.10	3
2	Sc	45	149,702.71	0.64	85.1	Pulse	0.10	3
3	Sc	45	325,433.99	0.92	88.5	Pulse	0.10	3
1	Ge	72	657,594.76	0.47	85.9	Pulse	0.10	3
2	Ge	72	100,238.08	1.45	87.2	Pulse	0.10	3
3	Ge	72	165,236.37	0.89	89.3	Pulse	0.10	3
1	Rh	103	4,897,872.43	0.69	89.5	Analog	0.10	3
2	Rh	103	2,849,432.98	0.56	89.7	Analog	0.10	3
1	In	115	5,648,668.34	0.20	94.5	Analog	0.10	3
2	In	115	1,242,875.13	0.63	89.0	Pulse	0.10	3
1	Tb	159	9,640,845.06	0.97	99.8	Analog	0.10	3
2	Tb	159	5,375,722.84	0.48	97.0	Analog	0.10	3
1	Ho	165	9,397,647.36	0.31	100.9	Analog	0.10	3
2	Ho	165	5,377,420.96	0.61	98.4	Analog	0.10	3
1	Bi	209	5,703,957.62	0.80	99.8	Analog	0.10	3
2	Bi	209	3,785,972.55	0.52	97.9	Analog	0.10	3

Quantitation Report

File Name	063SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 2:30
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.001	ug/l	-298.41	18.67	1.065E-05	Pulse	0.25	3
B	11	6	1	0.341	ug/l	23.92	3,122.59	1.776E-03	Pulse	0.15	3
Na	23	45	1	-1.610	ug/l	-3.98	124,837.15	4.063E-02	Pulse	0.10	3
Na	23	45	2	-0.217	ug/l	-258.99	5,634.40	3.759E-02	Pulse	0.20	3
Mg	24	45	1	-0.021	ug/l	-73.83	1,620.16	5.272E-04	Pulse	0.10	3
Mg	24	45	2	-0.057	ug/l	-177.48	51.67	3.433E-04	Pulse	0.20	3
Al	27	45	1	0.012	ug/l	104.68	4,387.41	1.428E-03	Pulse	0.10	3
Al	27	45	2	0.195	ug/l	66.51	40.00	2.676E-04	Pulse	0.20	3
K	39	45	1	-4.650	ug/l	-2.34	792,889.13	2.580E-01	Pulse	0.10	3
K	39	45	2	-0.677	ug/l	-108.86	5,681.07	3.790E-02	Pulse	0.20	3
Ca	43	45	1	-1.147	ug/l	-3.05	74.00	2.408E-05	Pulse	1.50	3
Ca	43	45	2	2.163	ug/l	122.43	3.33	2.223E-05	Pulse	1.50	3
Ca	44	45	1	-2.121	ug/l	-12.37	1,933.54	6.292E-04	Pulse	0.10	3
Ca	44	45	2	-0.809	ug/l	-134.99	21.67	1.451E-04	Pulse	0.20	3
Ti	47	45	1	0.004	ug/l	191.35	66.67	2.170E-05	Pulse	0.10	3
Ti	47	45	2	0.008	ug/l	1269.93	5.00	3.284E-05	Pulse	0.20	3
V	51	45	2	-0.005	ug/l	-263.83	250.01	1.667E-03	Pulse	0.20	3
Cr	52	45	2	0.029	ug/l	99.69	1,066.72	7.125E-03	Pulse	0.20	3
Mn	55	45	2	-0.013	ug/l	-37.78	30.00	2.007E-04	Pulse	0.20	3
Fe	56	45	2	0.591	ug/l	6.18	3,987.24	2.661E-02	Pulse	0.20	3
Co	59	45	2	0.002	ug/l	151.52	26.67	1.766E-04	Pulse	0.20	3
Ni	60	45	2	-0.023	ug/l	-71.16	151.67	1.013E-03	Pulse	0.20	3
Cu	63	45	2	-0.010	ug/l	-124.50	181.67	1.215E-03	Pulse	0.20	3
Cu	65	45	2	-0.010	ug/l	-163.65	88.33	5.876E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.283	ug/l	-3.54	71.67	4.778E-04	Pulse	0.20	3
As	75	45	2	0.007	ug/l	79.06	13.33	8.900E-05	Pulse	0.50	3
Se	78	45	2	-0.008	ug/l	-732.72	13.00	8.684E-05	Pulse	1.00	3
Se	78	45	3	0.047	ug/l	34.61	8.67	2.624E-05	Pulse	1.00	3
Sr	88	45	1	0.002	ug/l	69.62	593.37	1.931E-04	Pulse	0.10	3
Mo	95	103	1	0.006	ug/l	175.02	136.67	2.662E-05	Pulse	0.10	3
Ag	107	115	1	-0.001	ug/l	-145.39	103.34	1.769E-05	Pulse	0.10	3
Cd	111	115	1	-0.003	ug/l	-79.00	16.00	2.739E-06	Pulse	0.25	3
Cd	111	115	2	0.003	ug/l	223.80	10.67	8.289E-06	Pulse	0.25	3
Sn	117	115	1	-0.005	ug/l	-142.45	146.68	2.511E-05	Pulse	0.10	3
Sn	118	115	1	-0.005	ug/l	-208.67	433.36	7.419E-05	Pulse	0.10	3
Sn	118	115	2	-0.013	ug/l	-77.35	133.34	1.035E-04	Pulse	0.10	3
Sn	119	115	1	-0.020	ug/l	-45.56	186.68	3.196E-05	Pulse	0.10	3
Sb	121	159	1	0.025	ug/l	47.08	2,203.58	2.252E-04	Pulse	0.10	3
Ba	137	159	1	0.001	ug/l	1964.60	790.05	8.079E-05	Pulse	0.10	3
Tl	205	209	1	0.554	ug/l	2.20	19,807.33	3.388E-03	Pulse	0.10	3
Pb	208	209	1	0.001	ug/l	37.68	780.04	1.334E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,758,295.24	0.69	82.2	Analog	0.10	3
1	Sc	45	3,072,899.43	0.18	84.8	Analog	0.10	3
2	Sc	45	149,854.47	1.53	85.2	Pulse	0.10	3
3	Sc	45	329,979.04	0.51	89.8	Pulse	0.10	3
1	Ge	72	667,679.31	0.40	87.2	Pulse	0.10	3
2	Ge	72	103,132.13	0.15	89.7	Pulse	0.10	3
3	Ge	72	174,588.54	0.68	94.3	Pulse	0.10	3
1	Rh	103	5,120,665.86	0.90	93.6	Analog	0.10	3
2	Rh	103	3,013,654.85	0.46	94.8	Analog	0.10	3
1	In	115	5,841,741.56	0.14	97.8	Analog	0.10	3
2	In	115	1,288,193.40	0.33	92.2	Pulse	0.10	3
1	Tb	159	9,783,095.48	0.39	101.3	Analog	0.10	3
2	Tb	159	5,427,012.21	0.64	97.9	Analog	0.10	3
1	Ho	165	9,455,776.73	1.03	101.5	Analog	0.10	3
2	Ho	165	5,400,710.13	0.46	98.8	Analog	0.10	3
1	Bi	209	5,847,401.79	0.44	102.3	Analog	0.10	3
2	Bi	209	3,908,586.40	0.33	101.1	Analog	0.10	3

Quantitation Report

File Name	064SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 2:36
Sample Name	C25285-17
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.960	ug/l	2.28	2,524.23	1.768E-03	Pulse	0.25	3
B	11	6	1	69.343	ug/l	0.70	81,757.98	5.729E-02	Pulse	0.15	3
Na	23	45	1	55811.710	ug/l	0.38	329,175,368.43	1.118E+02	Analog	0.10	3
Na	23	45	2	60302.276	ug/l	1.45	12,792,573.14	8.987E+01	Analog	0.20	3
Mg	24	45	1	16173.967	ug/l	0.79	63,531,792.39	2.158E+01	Analog	0.10	3
Mg	24	45	2	17073.130	ug/l	1.96	1,839,724.66	1.292E+01	Analog	0.20	3
Al	27	45	1	79074.748	ug/l	0.56	410,687,647.21	1.395E+02	Analog	0.10	3
Al	27	45	2	80769.437	ug/l	1.99	3,135,641.31	2.203E+01	Analog	0.20	3
K	39	45	1	10067.409	ug/l	0.97	71,401,367.27	2.425E+01	Analog	0.10	3
K	39	45	2	10093.149	ug/l	2.01	1,022,411.63	7.183E+00	Pulse	0.20	3
Ca	43	45	1	77543.013	ug/l	0.93	1,104,526.92	3.751E-01	Pulse	1.50	3
Ca	43	45	2	82289.763	ug/l	1.74	26,027.47	1.828E-01	Pulse	1.50	3
Ca	44	45	1	79295.949	ug/l	0.10	18,418,980.14	6.255E+00	Analog	0.10	3
Ca	44	45	2	79099.949	ug/l	1.30	442,900.36	3.111E+00	Pulse	0.20	3
Ti	47	45	1	877.437	ug/l	0.28	602,335.45	2.046E-01	Pulse	0.10	3
Ti	47	45	2	872.841	ug/l	1.76	36,590.64	2.570E-01	Pulse	0.20	3
V	51	45	2	177.291	ug/l	1.45	224,894.06	1.580E+00	Pulse	0.20	3
Cr	52	45	2	308.866	ug/l	1.83	509,544.77	3.580E+00	Pulse	0.20	3
Mn	55	45	2	1367.331	ug/l	0.96	1,223,982.51	8.598E+00	Pulse	0.20	3
Fe	56	45	2	58293.931	ug/l	1.10	73,659,498.90	5.174E+02	Analog	0.20	3
Co	59	45	2	43.503	ug/l	1.12	112,883.72	7.929E-01	Pulse	0.20	3
Ni	60	45	2	1843.147	ug/l	1.16	1,265,655.19	8.891E+00	Pulse	0.20	3
Cu	63	45	2	481.947	ug/l	1.40	888,868.24	6.244E+00	Pulse	0.20	3
Cu	65	45	2	481.420	ug/l	1.70	437,639.13	3.074E+00	Pulse	0.20	3
Zn	66	45	2	5102.283	ug/l	1.45	1,576,579.61	1.108E+01	Analog	0.20	3
As	75	45	2	109.838	ug/l	1.57	21,113.04	1.483E-01	Pulse	0.50	3
Se	78	45	2	6.987	ug/l	7.07	131.67	9.255E-04	Pulse	1.00	3
Se	78	45	3	1.241	ug/l	11.82	87.67	2.686E-04	Pulse	1.00	3
Sr	88	45	1	585.923	ug/l	0.41	9,361,739.86	3.179E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	17.315	ug/l	1.77	48,270.87	1.078E-02	Pulse	0.10	3
Ag	107	115	1	0.365	ug/l	2.76	2,620.34	4.941E-04	Pulse	0.10	3
Cd	111	115	1	9.349	ug/l	1.10	14,829.78	2.796E-03	Pulse	0.25	3
Cd	111	115	2	9.829	ug/l	2.39	5,922.52	5.228E-03	Pulse	0.25	3
Sn	117	115	1	9.505	ug/l	1.93	14,660.69	2.764E-03	Pulse	0.10	3
Sn	118	115	1	9.340	ug/l	1.30	46,737.36	8.812E-03	Pulse	0.10	3
Sn	118	115	2	9.511	ug/l	3.84	13,082.68	1.155E-02	Pulse	0.10	3
Sn	119	115	1	9.857	ug/l	0.75	17,940.73	3.383E-03	Pulse	0.10	3
Sb	121	159	1	2.312	ug/l	2.52	14,987.71	1.575E-03	Pulse	0.10	3
Ba	137	159	1	134.600	ug/l	0.71	373,323.75	3.923E-02	Pulse	0.10	3
Tl	205	209	1	0.551	ug/l	1.67	10,043.80	1.816E-03	Pulse	0.10	3
Pb	208	209	1	126.168	ug/l	0.14	2,697,505.20	4.877E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,427,167.79	1.18	66.7	Analog	0.10	3
1	Sc	45	2,944,539.85	0.62	81.3	Analog	0.10	3
2	Sc	45	142,376.06	1.80	81.0	Pulse	0.10	3
3	Sc	45	326,626.35	1.07	88.9	Pulse	0.10	3
1	Ge	72	605,041.41	0.60	79.0	Pulse	0.10	3
2	Ge	72	91,808.90	0.40	79.9	Pulse	0.10	3
3	Ge	72	157,568.76	1.12	85.1	Pulse	0.10	3
1	Rh	103	4,478,313.58	0.93	81.8	Analog	0.10	3
2	Rh	103	2,583,946.94	0.24	81.3	Analog	0.10	3
1	In	115	5,303,579.98	0.75	88.8	Analog	0.10	3
2	In	115	1,132,834.69	0.70	81.1	Pulse	0.10	3
1	Tb	159	9,516,955.48	0.69	98.5	Analog	0.10	3
2	Tb	159	5,207,949.51	0.24	94.0	Analog	0.10	3
1	Ho	165	9,232,571.11	1.16	99.1	Analog	0.10	3
2	Ho	165	5,217,401.80	0.30	95.5	Analog	0.10	3
1	Bi	209	5,531,612.62	1.18	96.8	Analog	0.10	3
2	Bi	209	3,563,032.13	0.29	92.1	Analog	0.10	3

Quantitation Report

File Name	065SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 2:41
Sample Name	MP68736-SD2
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	2.075	ug/l	4.41	640.02	3.847E-04	Pulse	0.25	3
B	11	6	1	69.327	ug/l	1.24	20,686.26	1.244E-02	Pulse	0.15	3
Na	23	45	1	58888.297	ug/l	0.57	74,225,902.23	2.363E+01	Analog	0.10	3
Na	23	45	2	62045.474	ug/l	1.39	2,918,251.00	1.852E+01	Analog	0.20	3
Mg	24	45	1	17060.716	ug/l	1.16	14,300,935.20	4.552E+00	Analog	0.10	3
Mg	24	45	2	17092.295	ug/l	0.84	407,770.33	2.588E+00	Pulse	0.20	3
Al	27	45	1	82929.016	ug/l	1.22	91,903,165.30	2.926E+01	Analog	0.10	3
Al	27	45	2	81497.353	ug/l	0.32	700,452.83	4.446E+00	Pulse	0.20	3
K	39	45	1	10871.804	ug/l	1.41	17,142,958.08	5.457E+00	Analog	0.10	3
K	39	45	2	10693.560	ug/l	1.89	244,604.55	1.553E+00	Pulse	0.20	3
Ca	43	45	1	83390.766	ug/l	0.70	253,543.23	8.071E-02	Pulse	1.50	3
Ca	43	45	2	86798.106	ug/l	1.18	6,079.78	3.858E-02	Pulse	1.50	3
Ca	44	45	1	84504.681	ug/l	0.99	4,190,612.23	1.334E+00	Analog	0.10	3
Ca	44	45	2	84996.026	ug/l	1.32	105,367.24	6.688E-01	Pulse	0.20	3
Ti	47	45	1	940.008	ug/l	0.86	137,734.64	4.385E-02	Pulse	0.10	3
Ti	47	45	2	902.187	ug/l	1.72	8,373.90	5.315E-02	Pulse	0.20	3
V	51	45	2	188.133	ug/l	0.29	53,050.13	3.367E-01	Pulse	0.20	3
Cr	52	45	2	329.783	ug/l	0.82	121,234.59	7.695E-01	Pulse	0.20	3
Mn	55	45	2	1455.589	ug/l	1.84	288,430.50	1.831E+00	Pulse	0.20	3
Fe	56	45	2	61608.848	ug/l	1.63	17,232,334.74	1.094E+02	Analog	0.20	3
Co	59	45	2	46.593	ug/l	1.04	26,772.08	1.699E-01	Pulse	0.20	3
Ni	60	45	2	1996.405	ug/l	2.20	303,565.35	1.927E+00	Pulse	0.20	3
Cu	63	45	2	536.603	ug/l	1.30	219,242.24	1.392E+00	Pulse	0.20	3
Cu	65	45	2	537.537	ug/l	0.87	108,256.20	6.871E-01	Pulse	0.20	3
Zn	66	45	2	6079.520	ug/l	0.71	416,053.50	2.641E+00	Pulse	0.20	3
As	75	45	2	121.285	ug/l	1.70	5,168.86	3.281E-02	Pulse	0.50	3
Se	78	45	2	8.296	ug/l	16.56	45.33	2.875E-04	Pulse	1.00	3
Se	78	45	3	1.594	ug/l	0.90	26.33	7.374E-05	Pulse	1.00	3
Sr	88	45	1	627.073	ug/l	0.90	2,138,174.08	6.807E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	15.988	ug/l	3.40	10,550.53	2.006E-03	Pulse	0.10	3
Ag	107	115	1	0.325	ug/l	22.37	646.70	1.052E-04	Pulse	0.10	3
Cd	111	115	1	9.795	ug/l	6.66	3,621.81	5.895E-04	Pulse	0.25	3
Cd	111	115	2	10.487	ug/l	3.14	1,477.43	1.119E-03	Pulse	0.25	3
Sn	117	115	1	8.544	ug/l	7.17	3,193.78	5.198E-04	Pulse	0.10	3
Sn	118	115	1	8.863	ug/l	1.83	10,687.37	1.739E-03	Pulse	0.10	3
Sn	118	115	2	8.855	ug/l	5.66	2,980.40	2.259E-03	Pulse	0.10	3
Sn	119	115	1	9.822	ug/l	3.97	4,364.12	7.103E-04	Pulse	0.10	3
Sb	121	159	1	1.854	ug/l	7.84	4,337.45	4.169E-04	Pulse	0.10	3
Ba	137	159	1	140.887	ug/l	1.46	86,089.07	8.275E-03	Pulse	0.10	3
Tl	205	209	1	0.934	ug/l	12.88	4,931.01	7.918E-04	Pulse	0.10	3
Pb	208	209	1	121.846	ug/l	0.58	587,034.11	9.429E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,663,416.18	1.10	77.8	Analog	0.10	3
1	Sc	45	3,141,399.85	0.26	86.7	Analog	0.10	3
2	Sc	45	157,564.93	1.33	89.6	Pulse	0.10	3
3	Sc	45	357,077.74	1.39	97.1	Pulse	0.10	3
1	Ge	72	692,880.77	0.18	90.5	Pulse	0.10	3
2	Ge	72	108,271.72	0.84	94.2	Pulse	0.10	3
3	Ge	72	179,889.70	1.37	97.2	Pulse	0.10	3
1	Rh	103	5,256,815.34	1.26	96.1	Analog	0.10	3
2	Rh	103	3,065,701.52	0.40	96.5	Analog	0.10	3
1	In	115	6,144,400.91	0.36	102.8	Analog	0.10	3
2	In	115	1,319,752.49	0.94	94.5	Pulse	0.10	3
1	Tb	159	10,403,176.93	0.62	107.7	Analog	0.10	3
2	Tb	159	5,678,761.58	0.42	102.5	Analog	0.10	3
1	Ho	165	10,082,089.23	0.57	108.2	Analog	0.10	3
2	Ho	165	5,694,243.66	0.60	104.2	Analog	0.10	3
1	Bi	209	6,225,716.99	1.08	108.9	Analog	0.10	3
2	Bi	209	4,075,803.48	0.58	105.4	Analog	0.10	3

Quantitation Report

File Name	066SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 2:46
Sample Name	C25285-1
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.094	ug/l	11.97	148.00	9.690E-05	Pulse	0.25	3
B	11	6	1	58.446	ug/l	3.27	74,067.52	4.848E-02	Pulse	0.15	3
Na	23	45	1	4272.104	ug/l	0.73	23,411,814.65	8.601E+00	Analog	0.10	3
Na	23	45	2	4392.474	ug/l	2.85	890,043.42	6.581E+00	Pulse	0.20	3
Mg	24	45	1	2193.240	ug/l	0.96	7,965,918.21	2.926E+00	Analog	0.10	3
Mg	24	45	2	2200.470	ug/l	2.44	225,337.04	1.666E+00	Pulse	0.20	3
Al	27	45	1	2691.808	ug/l	0.64	12,927,787.73	4.749E+00	Analog	0.10	3
Al	27	45	2	2619.943	ug/l	2.60	96,658.99	7.147E-01	Pulse	0.20	3
K	39	45	1	2566.747	ug/l	0.42	17,397,113.49	6.391E+00	Analog	0.10	3
K	39	45	2	2524.262	ug/l	2.72	246,885.09	1.825E+00	Pulse	0.20	3
Ca	43	45	1	15332.563	ug/l	0.63	201,976.61	7.420E-02	Pulse	1.50	3
Ca	43	45	2	16039.831	ug/l	0.97	4,823.37	3.565E-02	Pulse	1.50	3
Ca	44	45	1	15692.772	ug/l	0.83	3,371,732.34	1.239E+00	Analog	0.10	3
Ca	44	45	2	15492.493	ug/l	3.04	82,434.64	6.095E-01	Pulse	0.20	3
Ti	47	45	1	139.902	ug/l	1.69	88,829.81	3.263E-02	Pulse	0.10	3
Ti	47	45	2	139.960	ug/l	2.75	5,577.77	4.124E-02	Pulse	0.20	3
V	51	45	2	10.652	ug/l	1.29	13,065.38	9.658E-02	Pulse	0.20	3
Cr	52	45	2	45.106	ug/l	1.39	71,455.73	5.283E-01	Pulse	0.20	3
Mn	55	45	2	117.634	ug/l	3.11	100,074.27	7.400E-01	Pulse	0.20	3
Fe	56	45	2	6987.885	ug/l	2.03	8,390,958.62	6.204E+01	Analog	0.20	3
Co	59	45	2	6.645	ug/l	3.48	16,390.09	1.212E-01	Pulse	0.20	3
Ni	60	45	2	18.327	ug/l	3.01	12,121.32	8.963E-02	Pulse	0.20	3
Cu	63	45	2	56.303	ug/l	3.03	98,823.62	7.307E-01	Pulse	0.20	3
Cu	65	45	2	57.287	ug/l	3.23	49,556.45	3.665E-01	Pulse	0.20	3
Zn	66	45	2	3915.173	ug/l	2.42	1,149,427.90	8.499E+00	Pulse	0.20	3
As	75	45	2	2.867	ug/l	6.11	532.68	3.939E-03	Pulse	0.50	3
Se	78	45	2	0.040	ug/l	203.01	12.67	9.352E-05	Pulse	1.00	3
Se	78	45	3	0.355	ug/l	27.47	25.33	8.134E-05	Pulse	1.00	3
Sr	88	45	1	81.397	ug/l	0.76	1,202,626.49	4.418E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.974	ug/l	6.44	5,924.66	1.246E-03	Pulse	0.10	3
Ag	107	115	1	0.087	ug/l	16.99	743.38	1.342E-04	Pulse	0.10	3
Cd	111	115	1	1.914	ug/l	3.23	3,191.04	5.761E-04	Pulse	0.25	3
Cd	111	115	2	2.026	ug/l	6.83	1,298.74	1.081E-03	Pulse	0.25	3
Sn	117	115	1	20.426	ug/l	2.02	32,728.12	5.908E-03	Pulse	0.10	3
Sn	118	115	1	20.579	ug/l	1.45	107,002.78	1.932E-02	Pulse	0.10	3
Sn	118	115	2	20.534	ug/l	1.36	29,759.13	2.478E-02	Pulse	0.10	3
Sn	119	115	1	20.562	ug/l	1.35	38,819.04	7.007E-03	Pulse	0.10	3
Sb	121	159	1	1.098	ug/l	1.80	8,332.53	8.508E-04	Pulse	0.10	3
Ba	137	159	1	68.237	ug/l	0.84	195,157.60	1.993E-02	Pulse	0.10	3
Tl	205	209	1	0.197	ug/l	5.20	4,807.66	8.209E-04	Pulse	0.10	3
Pb	208	209	1	50.736	ug/l	0.72	1,149,002.30	1.962E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,527,997.01	0.66	71.5	Analog	0.10	3
1	Sc	45	2,722,019.75	0.53	75.2	Analog	0.10	3
2	Sc	45	135,288.18	1.99	76.9	Pulse	0.10	3
3	Sc	45	311,278.26	0.47	84.7	Pulse	0.10	3
1	Ge	72	625,185.39	0.86	81.7	Pulse	0.10	3
2	Ge	72	97,568.80	1.88	84.9	Pulse	0.10	3
3	Ge	72	165,701.12	0.30	89.5	Pulse	0.10	3
1	Rh	103	4,753,208.47	0.94	86.9	Analog	0.10	3
2	Rh	103	2,826,594.64	1.03	89.0	Analog	0.10	3
1	In	115	5,539,501.25	0.49	92.7	Analog	0.10	3
2	In	115	1,201,194.47	0.38	86.0	Pulse	0.10	3
1	Tb	159	9,793,977.98	0.95	101.4	Analog	0.10	3
2	Tb	159	5,409,656.58	0.36	97.6	Analog	0.10	3
1	Ho	165	9,506,162.77	0.44	102.0	Analog	0.10	3
2	Ho	165	5,390,092.42	1.22	98.6	Analog	0.10	3
1	Bi	209	5,856,878.66	0.22	102.5	Analog	0.10	3
2	Bi	209	3,800,154.01	0.51	98.3	Analog	0.10	3

Quantitation Report

File Name	067SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 2:51
Sample Name	C25285-2
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.008	ug/l	33.78	32.00	2.014E-05	Pulse	0.25	3
B	11	6	1	55.487	ug/l	1.80	73,192.60	4.609E-02	Pulse	0.15	3
Na	23	45	1	6669.215	ug/l	1.00	38,040,669.43	1.340E+01	Analog	0.10	3
Na	23	45	2	7070.107	ug/l	0.22	1,486,889.72	1.057E+01	Analog	0.20	3
Mg	24	45	1	2510.513	ug/l	0.90	9,509,050.27	3.350E+00	Analog	0.10	3
Mg	24	45	2	2530.139	ug/l	0.23	269,484.66	1.916E+00	Pulse	0.20	3
Al	27	45	1	275.976	ug/l	0.31	1,385,854.15	4.882E-01	Analog	0.10	3
Al	27	45	2	280.737	ug/l	3.65	10,793.70	7.673E-02	Pulse	0.20	3
K	39	45	1	2483.867	ug/l	0.46	17,584,568.07	6.194E+00	Analog	0.10	3
K	39	45	2	2441.878	ug/l	0.65	248,595.10	1.767E+00	Pulse	0.20	3
Ca	43	45	1	12327.181	ug/l	0.14	169,384.72	5.966E-02	Pulse	1.50	3
Ca	43	45	2	12983.245	ug/l	0.44	4,059.61	2.886E-02	Pulse	1.50	3
Ca	44	45	1	12522.348	ug/l	0.51	2,806,819.75	9.886E-01	Analog	0.10	3
Ca	44	45	2	12536.434	ug/l	1.17	69,389.31	4.933E-01	Pulse	0.20	3
Ti	47	45	1	25.408	ug/l	72.02	16,804.62	5.943E-03	Pulse	0.10	3
Ti	47	45	2	14.670	ug/l	10.97	611.69	4.348E-03	Pulse	0.20	3
V	51	45	2	4.901	ug/l	4.26	6,384.68	4.539E-02	Pulse	0.20	3
Cr	52	45	2	15.251	ug/l	0.51	25,725.22	1.829E-01	Pulse	0.20	3
Mn	55	45	2	25.792	ug/l	0.86	22,864.50	1.625E-01	Pulse	0.20	3
Fe	56	45	2	1638.802	ug/l	0.13	2,048,436.01	1.456E+01	Analog	0.20	3
Co	59	45	2	0.712	ug/l	4.59	1,838.48	1.307E-02	Pulse	0.20	3
Ni	60	45	2	4.367	ug/l	3.69	3,137.02	2.230E-02	Pulse	0.20	3
Cu	63	45	2	17.960	ug/l	1.64	32,930.03	2.341E-01	Pulse	0.20	3
Cu	65	45	2	18.103	ug/l	1.55	16,358.44	1.163E-01	Pulse	0.20	3
Zn	66	45	2	1178.671	ug/l	0.54	360,090.45	2.560E+00	Pulse	0.20	3
As	75	45	2	2.302	ug/l	16.31	446.68	3.176E-03	Pulse	0.50	3
Se	78	45	2	0.069	ug/l	615.32	13.67	9.706E-05	Pulse	1.00	3
Se	78	45	3	0.256	ug/l	19.75	19.67	6.051E-05	Pulse	1.00	3
Sr	88	45	1	104.193	ug/l	0.41	1,605,475.19	5.655E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.662	ug/l	17.10	2,123.56	4.308E-04	Pulse	0.10	3
Ag	107	115	1	0.121	ug/l	22.84	1,010.08	1.774E-04	Pulse	0.10	3
Cd	111	115	1	2.230	ug/l	6.60	3,820.52	6.703E-04	Pulse	0.25	3
Cd	111	115	2	2.309	ug/l	3.95	1,521.43	1.232E-03	Pulse	0.25	3
Sn	117	115	1	9.550	ug/l	2.02	15,825.17	2.777E-03	Pulse	0.10	3
Sn	118	115	1	9.563	ug/l	2.25	51,391.50	9.020E-03	Pulse	0.10	3
Sn	118	115	2	9.543	ug/l	1.41	14,310.39	1.159E-02	Pulse	0.10	3
Sn	119	115	1	9.664	ug/l	2.22	18,901.97	3.317E-03	Pulse	0.10	3
Sb	121	159	1	0.539	ug/l	2.36	5,117.73	5.173E-04	Pulse	0.10	3
Ba	137	159	1	35.202	ug/l	0.16	102,062.40	1.032E-02	Pulse	0.10	3
Tl	205	209	1	0.119	ug/l	10.69	3,510.57	6.019E-04	Pulse	0.10	3
Pb	208	209	1	18.408	ug/l	1.09	415,565.48	7.126E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,588,201.34	1.34	74.3	Analog	0.10	3
1	Sc	45	2,838,987.25	0.90	78.4	Analog	0.10	3
2	Sc	45	140,671.46	0.28	80.0	Pulse	0.10	3
3	Sc	45	324,947.90	0.20	88.4	Pulse	0.10	3
1	Ge	72	659,154.65	0.49	86.1	Pulse	0.10	3
2	Ge	72	98,614.30	1.01	85.8	Pulse	0.10	3
3	Ge	72	172,299.18	0.78	93.1	Pulse	0.10	3
1	Rh	103	4,928,138.26	0.20	90.1	Analog	0.10	3
2	Rh	103	2,884,469.54	0.96	90.8	Analog	0.10	3
1	In	115	5,697,908.98	0.88	95.4	Analog	0.10	3
2	In	115	1,235,185.99	0.12	88.4	Pulse	0.10	3
1	Tb	159	9,891,305.68	1.06	102.4	Analog	0.10	3
2	Tb	159	5,515,257.83	1.10	99.5	Analog	0.10	3
1	Ho	165	9,682,954.65	1.56	103.9	Analog	0.10	3
2	Ho	165	5,504,549.92	0.25	100.7	Analog	0.10	3
1	Bi	209	5,831,586.79	0.40	102.0	Analog	0.10	3
2	Bi	209	3,879,214.73	0.17	100.3	Analog	0.10	3

Quantitation Report

File Name	068SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 2:56
Sample Name	C25285-3
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.090	ug/l	39.87	134.67	9.379E-05	Pulse	0.25	3
B	11	6	1	103.776	ug/l	3.54	122,271.78	8.513E-02	Pulse	0.15	3
Na	23	45	1	99428.938	ug/l	2.52	549,883,965.14	1.991E+02	Analog	0.10	3
Na	23	45	2	109530.201	ug/l	1.36	22,517,884.67	1.632E+02	Analog	0.20	3
Mg	24	45	1	5839.297	ug/l	1.76	21,512,539.68	7.790E+00	Analog	0.10	3
Mg	24	45	2	5887.712	ug/l	1.47	615,020.15	4.457E+00	Pulse	0.20	3
Al	27	45	1	2928.064	ug/l	1.30	14,265,390.62	5.166E+00	Analog	0.10	3
Al	27	45	2	2854.700	ug/l	0.81	107,454.18	7.787E-01	Pulse	0.20	3
K	39	45	1	16947.592	ug/l	1.31	112,192,834.99	4.063E+01	Analog	0.10	3
K	39	45	2	16846.047	ug/l	0.67	1,650,613.67	1.196E+01	Analog	0.20	3
Ca	43	45	1	56734.176	ug/l	0.85	757,909.91	2.745E-01	Pulse	1.50	3
Ca	43	45	2	59166.419	ug/l	1.53	18,140.01	1.315E-01	Pulse	1.50	3
Ca	44	45	1	57439.926	ug/l	0.59	12,513,495.65	4.531E+00	Analog	0.10	3
Ca	44	45	2	57200.351	ug/l	1.28	310,451.49	2.250E+00	Pulse	0.20	3
Ti	47	45	1	191.254	ug/l	1.19	123,167.07	4.460E-02	Pulse	0.10	3
Ti	47	45	2	182.306	ug/l	1.55	7,410.13	5.370E-02	Pulse	0.20	3
V	51	45	2	259.687	ug/l	1.30	319,187.14	2.313E+00	Pulse	0.20	3
Cr	52	45	2	237.946	ug/l	1.47	380,711.45	2.759E+00	Pulse	0.20	3
Mn	55	45	2	299.916	ug/l	1.11	260,256.27	1.886E+00	Pulse	0.20	3
Fe	56	45	2	18105.606	ug/l	0.86	22,176,683.84	1.607E+02	Analog	0.20	3
Co	59	45	2	13.952	ug/l	1.53	35,097.70	2.544E-01	Pulse	0.20	3
Ni	60	45	2	210.844	ug/l	1.59	140,480.23	1.018E+00	Pulse	0.20	3
Cu	63	45	2	213.520	ug/l	1.47	381,811.00	2.767E+00	Pulse	0.20	3
Cu	65	45	2	213.029	ug/l	2.15	187,754.96	1.361E+00	Pulse	0.20	3
Zn	66	45	2	10179.365	ug/l	0.84	3,048,625.27	2.209E+01	Analog	0.20	3
As	75	45	2	64.690	ug/l	3.64	12,055.85	8.738E-02	Pulse	0.50	3
Se	78	45	2	1.034	ug/l	27.96	29.33	2.126E-04	Pulse	1.00	3
Se	78	45	3	1.167	ug/l	7.18	78.00	2.529E-04	Pulse	1.00	3
Sr	88	45	1	368.403	ug/l	1.04	5,520,489.92	1.999E+00	Analog	0.10	3
Mo	95	103	1	3.387	ug/l	1.69	9,633.26	2.124E-03	Pulse	0.10	3
Ag	107	115	1	0.359	ug/l	1.99	2,623.66	4.862E-04	Pulse	0.10	3
Cd	111	115	1	13.197	ug/l	2.28	21,289.16	3.945E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	13.007	ug/l	1.43	8,035.48	6.917E-03	Pulse	0.25	3
Sn	117	115	1	213.405	ug/l	0.88	331,658.20	6.147E-02	Pulse	0.10	3
Sn	118	115	1	212.597	ug/l	1.13	1,072,585.97	1.988E-01	Pulse	0.10	3
Sn	118	115	2	218.316	ug/l	1.17	304,529.56	2.621E-01	Pulse	0.10	3
Sn	119	115	1	213.772	ug/l	0.85	390,796.40	7.243E-02	Pulse	0.10	3
Sb	121	159	1	3.545	ug/l	3.72	22,249.86	2.310E-03	Pulse	0.10	3
Ba	137	159	1	200.367	ug/l	1.33	562,059.05	5.836E-02	Pulse	0.10	3
Tl	205	209	1	0.151	ug/l	12.18	3,820.65	6.919E-04	Pulse	0.10	3
Pb	208	209	1	244.351	ug/l	0.58	5,212,238.78	9.443E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,436,296.46	0.13	67.2	Analog	0.10	3
1	Sc	45	2,761,425.90	0.79	76.2	Analog	0.10	3
2	Sc	45	137,989.66	0.76	78.5	Pulse	0.10	3
3	Sc	45	308,497.74	0.59	83.9	Pulse	0.10	3
1	Ge	72	612,297.93	0.43	80.0	Pulse	0.10	3
2	Ge	72	95,392.61	1.15	83.0	Pulse	0.10	3
3	Ge	72	159,648.84	1.10	86.3	Pulse	0.10	3
1	Rh	103	4,534,520.98	0.82	82.9	Analog	0.10	3
2	Rh	103	2,653,260.07	0.46	83.5	Analog	0.10	3
1	In	115	5,395,735.59	0.22	90.3	Analog	0.10	3
2	In	115	1,161,736.39	0.29	83.2	Pulse	0.10	3
1	Tb	159	9,632,380.69	1.12	99.7	Analog	0.10	3
2	Tb	159	5,265,998.67	0.34	95.0	Analog	0.10	3
1	Ho	165	9,356,451.74	0.64	100.4	Analog	0.10	3
2	Ho	165	5,261,708.05	0.33	96.3	Analog	0.10	3
1	Bi	209	5,519,718.46	0.97	96.6	Analog	0.10	3
2	Bi	209	3,577,594.42	0.93	92.5	Analog	0.10	3

Quantitation Report

File Name	069SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 3:01
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	48.195	ug/l	1.38	149,160.80	8.633E-02	Pulse	0.25	3
B	11	6	1	50.038	ug/l	0.91	141,914.34	8.214E-02	Pulse	0.15	3
Na	23	45	1	4606.786	ug/l	0.15	57,844,580.80	1.849E+01	Analog	0.10	3
Na	23	45	2	4860.435	ug/l	0.89	2,231,870.59	1.452E+01	Analog	0.20	3
Mg	24	45	1	4699.926	ug/l	0.27	39,220,566.08	1.254E+01	Analog	0.10	3
Mg	24	45	2	4644.201	ug/l	0.41	1,080,966.05	7.032E+00	Pulse	0.20	3
Al	27	45	1	4728.265	ug/l	0.41	52,171,612.55	1.668E+01	Analog	0.10	3
Al	27	45	2	4641.602	ug/l	1.43	389,216.01	2.532E+00	Pulse	0.20	3
K	39	45	1	4944.073	ug/l	0.93	74,507,087.22	2.382E+01	Analog	0.10	3
K	39	45	2	4764.253	ug/l	0.89	1,042,710.53	6.783E+00	Pulse	0.20	3
Ca	43	45	1	4900.567	ug/l	0.23	148,389.86	4.744E-02	Pulse	1.50	3
Ca	43	45	2	5204.839	ug/l	1.61	3,557.27	2.314E-02	Pulse	1.50	3
Ca	44	45	1	4977.150	ug/l	0.46	2,458,608.03	7.861E-01	Analog	0.10	3
Ca	44	45	2	4957.861	ug/l	1.76	59,979.52	3.902E-01	Pulse	0.20	3
Ti	47	45	1	47.176	ug/l	2.38	68,860.28	2.201E-02	Pulse	0.10	3
Ti	47	45	2	48.518	ug/l	3.26	4,395.66	2.860E-02	Pulse	0.20	3
V	51	45	2	49.148	ug/l	1.44	134,764.06	8.767E-01	Pulse	0.20	3
Cr	52	45	2	47.935	ug/l	0.94	171,487.08	1.116E+00	Pulse	0.20	3
Mn	55	45	2	47.673	ug/l	1.36	92,212.74	5.999E-01	Pulse	0.20	3
Fe	56	45	2	5070.264	ug/l	1.29	13,838,204.79	9.002E+01	Analog	0.20	3
Co	59	45	2	47.978	ug/l	0.58	268,853.23	1.749E+00	Pulse	0.20	3
Ni	60	45	2	47.865	ug/l	0.43	71,166.49	4.629E-01	Pulse	0.20	3
Cu	63	45	2	48.779	ug/l	1.10	194,477.52	1.265E+00	Pulse	0.20	3
Cu	65	45	2	48.438	ug/l	1.38	95,186.02	6.192E-01	Pulse	0.20	3
Zn	66	45	2	49.094	ug/l	0.21	33,021.88	2.148E-01	Pulse	0.20	3
As	75	45	2	49.141	ug/l	0.23	20,403.48	1.327E-01	Pulse	0.50	3
Se	78	45	2	47.688	ug/l	4.56	1,769.10	1.151E-02	Pulse	1.00	3
Se	78	45	3	47.378	ug/l	1.89	6,821.11	2.003E-02	Pulse	1.00	3
Sr	88	45	1	52.739	ug/l	0.50	1,790,531.22	5.725E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	48.533	ug/l	1.61	307,418.50	6.034E-02	Pulse	0.10	3
Ag	107	115	1	45.270	ug/l	1.27	683,741.84	1.172E-01	Pulse	0.10	3
Cd	111	115	1	47.131	ug/l	1.75	164,217.97	2.815E-02	Pulse	0.25	3
Cd	111	115	2	47.947	ug/l	1.00	64,841.25	5.096E-02	Pulse	0.25	3
Sn	117	115	1	49.720	ug/l	2.10	167,142.78	2.866E-02	Pulse	0.10	3
Sn	118	115	1	49.429	ug/l	1.40	539,432.97	9.248E-02	Pulse	0.10	3
Sn	118	115	2	49.908	ug/l	0.86	152,580.11	1.199E-01	Pulse	0.10	3
Sn	119	115	1	50.002	ug/l	1.82	197,771.38	3.391E-02	Pulse	0.10	3
Sb	121	159	1	52.144	ug/l	1.04	623,017.05	6.240E-02	Pulse	0.10	3
Ba	137	159	1	47.182	ug/l	1.07	274,828.36	2.753E-02	Pulse	0.10	3
Tl	205	209	1	45.862	ug/l	2.29	1,505,406.85	2.585E-01	Analog	0.10	3
Pb	208	209	1	48.381	ug/l	0.86	2,178,420.61	3.740E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,727,808.09	0.46	80.8	Analog	0.10	3
1	Sc	45	3,127,656.62	0.61	86.4	Analog	0.10	3
2	Sc	45	153,732.60	0.99	87.4	Pulse	0.10	3
3	Sc	45	340,483.26	0.64	92.6	Pulse	0.10	3
1	Ge	72	672,989.26	0.35	87.9	Pulse	0.10	3
2	Ge	72	104,638.28	0.76	91.0	Pulse	0.10	3
3	Ge	72	174,631.12	0.68	94.4	Pulse	0.10	3
1	Rh	103	5,095,300.03	0.59	93.1	Analog	0.10	3
2	Rh	103	2,990,174.02	0.18	94.1	Analog	0.10	3
1	In	115	5,833,205.77	0.82	97.6	Analog	0.10	3
2	In	115	1,272,406.49	0.62	91.1	Pulse	0.10	3
1	Tb	159	9,985,325.69	1.47	103.4	Analog	0.10	3
2	Tb	159	5,501,733.25	0.39	99.3	Analog	0.10	3
1	Ho	165	9,626,866.31	0.59	103.3	Analog	0.10	3
2	Ho	165	5,483,560.54	1.06	100.4	Analog	0.10	3
1	Bi	209	5,824,247.62	0.52	101.9	Analog	0.10	3
2	Bi	209	3,820,985.99	0.82	98.8	Analog	0.10	3

Quantitation Report

File Name	070SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 3:06
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.002	ug/l	-88.32	16.00	8.883E-06	Pulse	0.25	3
B	11	6	1	1.540	ug/l	8.50	6,670.38	3.715E-03	Pulse	0.15	3
Na	23	45	1	-0.837	ug/l	-22.16	141,029.47	4.372E-02	Pulse	0.10	3
Na	23	45	2	0.301	ug/l	159.96	6,244.61	3.913E-02	Pulse	0.20	3
Mg	24	45	1	0.011	ug/l	76.94	1,980.20	6.139E-04	Pulse	0.10	3
Mg	24	45	2	-0.077	ug/l	-95.04	50.00	3.126E-04	Pulse	0.20	3
Al	27	45	1	0.021	ug/l	106.68	4,707.50	1.460E-03	Pulse	0.10	3
Al	27	45	2	0.185	ug/l	69.07	41.67	2.619E-04	Pulse	0.20	3
K	39	45	1	-4.073	ug/l	-6.39	841,134.02	2.608E-01	Pulse	0.10	3
K	39	45	2	0.003	ug/l	20730.99	6,202.94	3.886E-02	Pulse	0.20	3
Ca	43	45	1	-0.816	ug/l	-17.84	88.00	2.728E-05	Pulse	1.50	3
Ca	43	45	2	0.322	ug/l	621.34	2.22	1.406E-05	Pulse	1.50	3
Ca	44	45	1	-2.486	ug/l	-6.08	1,843.50	5.715E-04	Pulse	0.10	3
Ca	44	45	2	-0.546	ug/l	-271.53	26.67	1.658E-04	Pulse	0.20	3
Ti	47	45	1	-0.007	ug/l	-112.38	53.33	1.653E-05	Pulse	0.10	3
Ti	47	45	2	-0.030	ug/l	-103.66	1.67	1.062E-05	Pulse	0.20	3
V	51	45	2	-0.024	ug/l	-34.49	213.34	1.335E-03	Pulse	0.20	3
Cr	52	45	2	-0.010	ug/l	-131.79	991.72	6.211E-03	Pulse	0.20	3
Mn	55	45	2	-0.011	ug/l	-90.34	35.00	2.173E-04	Pulse	0.20	3
Fe	56	45	2	0.259	ug/l	47.84	3,303.73	2.071E-02	Pulse	0.20	3
Co	59	45	2	-0.001	ug/l	-48.17	8.33	5.213E-05	Pulse	0.20	3
Ni	60	45	2	-0.023	ug/l	-136.28	161.67	1.012E-03	Pulse	0.20	3
Cu	63	45	2	-0.016	ug/l	-24.53	168.33	1.056E-03	Pulse	0.20	3
Cu	65	45	2	-0.012	ug/l	-45.78	88.33	5.539E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.138	ug/l	-37.78	176.67	1.108E-03	Pulse	0.20	3
As	75	45	2	0.010	ug/l	160.48	15.33	9.548E-05	Pulse	0.50	3
Se	78	45	2	-0.137	ug/l	-96.18	9.00	5.591E-05	Pulse	1.00	3
Se	78	45	3	0.030	ug/l	124.68	6.67	1.896E-05	Pulse	1.00	3
Sr	88	45	1	0.002	ug/l	122.09	620.04	1.923E-04	Pulse	0.10	3
Mo	95	103	1	0.049	ug/l	17.81	430.03	8.026E-05	Pulse	0.10	3
Ag	107	115	1	0.000	ug/l	1480.13	130.01	2.149E-05	Pulse	0.10	3
Cd	111	115	1	-0.001	ug/l	-264.50	24.00	3.968E-06	Pulse	0.25	3
Cd	111	115	2	0.002	ug/l	161.42	9.33	6.937E-06	Pulse	0.25	3
Sn	117	115	1	0.331	ug/l	23.64	1,323.45	2.186E-04	Pulse	0.10	3
Sn	118	115	1	0.299	ug/l	6.61	3,887.28	6.420E-04	Pulse	0.10	3
Sn	118	115	2	0.265	ug/l	18.49	1,036.75	7.689E-04	Pulse	0.10	3
Sn	119	115	1	0.281	ug/l	10.41	1,426.79	2.357E-04	Pulse	0.10	3
Sb	121	159	1	-0.025	ug/l	-35.51	1,670.17	1.656E-04	Pulse	0.10	3
Ba	137	159	1	0.027	ug/l	144.89	963.40	9.557E-05	Pulse	0.10	3
Tl	205	209	1	0.257	ug/l	7.29	10,200.60	1.711E-03	Pulse	0.10	3
Pb	208	209	1	0.000	ug/l	320.56	793.38	1.329E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,795,849.49	1.31	84.0	Analog	0.10	3
1	Sc	45	3,225,563.28	0.21	89.1	Analog	0.10	3
2	Sc	45	159,656.31	2.18	90.8	Pulse	0.10	3
3	Sc	45	352,069.01	0.97	95.8	Pulse	0.10	3
1	Ge	72	707,430.98	0.88	92.4	Pulse	0.10	3
2	Ge	72	108,782.28	0.96	94.7	Pulse	0.10	3
3	Ge	72	179,833.95	1.51	97.2	Pulse	0.10	3
1	Rh	103	5,352,733.05	1.12	97.8	Analog	0.10	3
2	Rh	103	3,155,410.37	0.23	99.3	Analog	0.10	3
1	In	115	6,055,265.70	0.63	101.3	Analog	0.10	3
2	In	115	1,347,802.76	0.55	96.5	Pulse	0.10	3
1	Tb	159	10,085,236.31	0.34	104.4	Analog	0.10	3
2	Tb	159	5,596,632.21	0.16	101.0	Analog	0.10	3
1	Ho	165	9,730,492.15	0.38	104.5	Analog	0.10	3
2	Ho	165	5,575,245.34	0.74	102.0	Analog	0.10	3
1	Bi	209	5,965,267.41	0.99	104.4	Analog	0.10	3
2	Bi	209	4,000,298.17	0.55	103.5	Analog	0.10	3

Quantitation Report

File Name	071SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 3:12
Sample Name	C25285-4 4
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.086	ug/l	25.08	132.00	9.002E-05	Pulse	0.25	3
B	11	6	1	87.036	ug/l	1.04	105,021.58	7.159E-02	Pulse	0.15	3
Na	23	45	1	37873.000	ug/l	1.72	208,265,956.90	7.588E+01	Analog	0.10	3
Na	23	45	2	42209.827	ug/l	0.66	8,618,926.12	6.291E+01	Analog	0.20	3
Mg	24	45	1	4412.595	ug/l	1.02	16,158,526.84	5.887E+00	Analog	0.10	3
Mg	24	45	2	4380.153	ug/l	0.79	454,307.52	3.316E+00	Pulse	0.20	3
Al	27	45	1	2925.722	ug/l	0.87	14,168,068.54	5.162E+00	Analog	0.10	3
Al	27	45	2	2831.126	ug/l	1.42	105,802.14	7.723E-01	Pulse	0.20	3
K	39	45	1	7434.828	ug/l	0.78	49,355,574.26	1.798E+01	Analog	0.10	3
K	39	45	2	7032.459	ug/l	0.56	687,201.60	5.016E+00	Pulse	0.20	3
Ca	43	45	1	41421.733	ug/l	0.73	550,048.26	2.004E-01	Pulse	1.50	3
Ca	43	45	2	42478.995	ug/l	2.14	12,929.87	9.439E-02	Pulse	1.50	3
Ca	44	45	1	41765.199	ug/l	0.63	9,044,286.53	3.295E+00	Analog	0.10	3
Ca	44	45	2	41321.775	ug/l	0.50	222,672.45	1.625E+00	Pulse	0.20	3
Ti	47	45	1	192.688	ug/l	0.93	123,342.84	4.494E-02	Pulse	0.10	3
Ti	47	45	2	188.973	ug/l	3.46	7,625.23	5.567E-02	Pulse	0.20	3
V	51	45	2	239.119	ug/l	0.74	291,818.61	2.130E+00	Pulse	0.20	3
Cr	52	45	2	222.818	ug/l	0.59	354,012.96	2.584E+00	Pulse	0.20	3
Mn	55	45	2	292.056	ug/l	1.26	251,608.70	1.837E+00	Pulse	0.20	3
Fe	56	45	2	24720.721	ug/l	1.00	30,060,187.05	2.194E+02	Analog	0.20	3
Co	59	45	2	17.470	ug/l	2.06	43,626.21	3.185E-01	Pulse	0.20	3
Ni	60	45	2	170.408	ug/l	1.31	112,754.05	8.231E-01	Pulse	0.20	3
Cu	63	45	2	187.265	ug/l	0.52	332,494.04	2.427E+00	Pulse	0.20	3
Cu	65	45	2	188.129	ug/l	0.91	164,638.04	1.202E+00	Pulse	0.20	3
Zn	66	45	2	8637.610	ug/l	1.17	2,568,239.70	1.875E+01	Analog	0.20	3
As	75	45	2	39.695	ug/l	0.76	7,349.05	5.365E-02	Pulse	0.50	3
Se	78	45	2	0.844	ug/l	7.58	26.00	1.898E-04	Pulse	1.00	3
Se	78	45	3	0.804	ug/l	26.41	53.67	1.763E-04	Pulse	1.00	3
Sr	88	45	1	248.279	ug/l	0.53	3,698,009.95	1.347E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	2.205	ug/l	4.00	6,411.51	1.390E-03	Pulse	0.10	3
Ag	107	115	1	0.498	ug/l	7.10	3,627.22	6.654E-04	Pulse	0.10	3
Cd	111	115	1	12.318	ug/l	1.07	20,079.60	3.683E-03	Pulse	0.25	3
Cd	111	115	2	12.700	ug/l	3.50	7,982.12	6.754E-03	Pulse	0.25	3
Sn	117	115	1	125.516	ug/l	1.40	197,162.77	3.616E-02	Pulse	0.10	3
Sn	118	115	1	123.292	ug/l	1.33	628,705.86	1.153E-01	Pulse	0.10	3
Sn	118	115	2	127.553	ug/l	1.07	181,091.68	1.532E-01	Pulse	0.10	3
Sn	119	115	1	122.428	ug/l	1.13	226,250.01	4.150E-02	Pulse	0.10	3
Sb	121	159	1	2.959	ug/l	1.01	18,842.00	1.961E-03	Pulse	0.10	3
Ba	137	159	1	180.818	ug/l	0.94	506,200.50	5.267E-02	Pulse	0.10	3
Tl	205	209	1	0.246	ug/l	11.95	5,321.20	9.572E-04	Pulse	0.10	3
Pb	208	209	1	224.749	ug/l	0.70	4,828,565.42	8.686E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,466,842.60	0.56	68.6	Analog	0.10	3
1	Sc	45	2,744,733.08	0.30	75.8	Analog	0.10	3
2	Sc	45	136,997.48	0.94	77.9	Pulse	0.10	3
3	Sc	45	304,148.79	1.16	82.7	Pulse	0.10	3
1	Ge	72	616,945.34	0.81	80.6	Pulse	0.10	3
2	Ge	72	94,045.22	1.04	81.8	Pulse	0.10	3
3	Ge	72	159,908.49	0.38	86.4	Pulse	0.10	3
1	Rh	103	4,614,194.20	0.10	84.3	Analog	0.10	3
2	Rh	103	2,717,614.85	0.44	85.5	Analog	0.10	3
1	In	115	5,452,148.24	0.51	91.2	Analog	0.10	3
2	In	115	1,182,032.77	0.48	84.6	Pulse	0.10	3
1	Tb	159	9,610,436.52	0.83	99.5	Analog	0.10	3
2	Tb	159	5,267,499.30	0.26	95.0	Analog	0.10	3
1	Ho	165	9,314,050.90	1.11	100.0	Analog	0.10	3
2	Ho	165	5,275,321.38	0.51	96.5	Analog	0.10	3
1	Bi	209	5,559,212.83	0.68	97.3	Analog	0.10	3
2	Bi	209	3,607,717.24	0.38	93.3	Analog	0.10	3

Quantitation Report

File Name	072SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 3:17
Sample Name	C25285-5
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.062	ug/l	19.33	112.00	6.864E-05	Pulse	0.25	3
B	11	6	1	57.971	ug/l	1.05	78,480.35	4.809E-02	Pulse	0.15	3
Na	23	45	1	503.817	ug/l	0.72	3,052,202.14	1.056E+00	Analog	0.10	3
Na	23	45	2	505.381	ug/l	1.10	111,778.07	7.911E-01	Pulse	0.20	3
Mg	24	45	1	2.887	ug/l	3.38	12,825.60	4.436E-03	Pulse	0.10	3
Mg	24	45	2	2.610	ug/l	9.01	340.01	2.406E-03	Pulse	0.20	3
Al	27	45	1	7.195	ug/l	3.85	40,694.82	1.408E-02	Pulse	0.10	3
Al	27	45	2	13.759	ug/l	81.17	552.23	3.914E-03	Pulse	0.20	3
K	39	45	1	3.362	ug/l	30.36	833,088.24	2.882E-01	Pulse	0.10	3
K	39	45	2	7.662	ug/l	34.00	6,256.29	4.428E-02	Pulse	0.20	3
Ca	43	45	1	130.854	ug/l	2.65	1,931.45	6.681E-04	Pulse	1.50	3
Ca	43	45	2	136.513	ug/l	25.30	44.67	3.159E-04	Pulse	1.50	3
Ca	44	45	1	132.108	ug/l	2.87	32,906.98	1.138E-02	Pulse	0.10	3
Ca	44	45	2	128.183	ug/l	9.21	741.70	5.250E-03	Pulse	0.20	3
Ti	47	45	1	0.281	ug/l	21.34	246.68	8.533E-05	Pulse	0.10	3
Ti	47	45	2	0.265	ug/l	91.03	15.00	1.063E-04	Pulse	0.20	3
V	51	45	2	0.698	ug/l	4.62	1,126.73	7.974E-03	Pulse	0.20	3
Cr	52	45	2	2.659	ug/l	3.88	5,255.94	3.720E-02	Pulse	0.20	3
Mn	55	45	2	0.122	ug/l	49.25	160.00	1.132E-03	Pulse	0.20	3
Fe	56	45	2	16.596	ug/l	1.38	23,089.76	1.634E-01	Pulse	0.20	3
Co	59	45	2	0.030	ug/l	6.36	90.00	6.369E-04	Pulse	0.20	3
Ni	60	45	2	0.294	ug/l	23.41	375.01	2.655E-03	Pulse	0.20	3
Cu	63	45	2	3.928	ug/l	2.22	7,396.80	5.235E-02	Pulse	0.20	3
Cu	65	45	2	4.013	ug/l	1.64	3,720.49	2.633E-02	Pulse	0.20	3
Zn	66	45	2	10.540	ug/l	8.24	3,473.77	2.458E-02	Pulse	0.20	3
As	75	45	2	0.148	ug/l	90.82	38.00	2.693E-04	Pulse	0.50	3
Se	78	45	2	-0.288	ug/l	-42.76	7.67	5.426E-05	Pulse	1.00	3
Se	78	45	3	0.034	ug/l	152.91	4.33	1.363E-05	Pulse	1.00	3
Sr	88	45	1	0.268	ug/l	6.47	4,680.85	1.619E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.441	ug/l	9.91	1,463.46	2.935E-04	Pulse	0.10	3
Ag	107	115	1	0.061	ug/l	1.71	573.37	9.988E-05	Pulse	0.10	3
Cd	111	115	1	-0.009	ug/l	-55.84	10.67	1.862E-06	Pulse	0.25	3
Cd	111	115	2	-0.003	ug/l	-1.67	4.00	3.252E-06	Pulse	0.25	3
Sn	117	115	1	2.383	ug/l	10.25	4,100.70	7.141E-04	Pulse	0.10	3
Sn	118	115	1	2.473	ug/l	4.47	13,743.16	2.394E-03	Pulse	0.10	3
Sn	118	115	2	1.555	ug/l	12.05	2,460.30	1.999E-03	Pulse	0.10	3
Sn	119	115	1	2.417	ug/l	2.71	4,957.62	8.635E-04	Pulse	0.10	3
Sb	121	159	1	0.032	ug/l	93.31	2,113.56	2.149E-04	Pulse	0.10	3
Ba	137	159	1	0.257	ug/l	22.11	1,523.47	1.549E-04	Pulse	0.10	3
Tl	205	209	1	0.108	ug/l	10.25	3,313.83	5.713E-04	Pulse	0.10	3
Pb	208	209	1	0.045	ug/l	13.93	1,756.77	3.029E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,631,826.88	0.66	76.3	Analog	0.10	3
1	Sc	45	2,890,888.71	0.32	79.8	Analog	0.10	3
2	Sc	45	141,297.99	0.37	80.4	Pulse	0.10	3
3	Sc	45	318,438.89	1.11	86.6	Pulse	0.10	3
1	Ge	72	664,856.61	0.63	86.8	Pulse	0.10	3
2	Ge	72	99,214.79	0.67	86.3	Pulse	0.10	3
3	Ge	72	170,918.68	0.24	92.4	Pulse	0.10	3
1	Rh	103	4,984,991.80	0.58	91.1	Analog	0.10	3
2	Rh	103	2,894,703.50	0.17	91.1	Analog	0.10	3
1	In	115	5,740,692.92	0.57	96.1	Analog	0.10	3
2	In	115	1,229,930.93	0.80	88.1	Pulse	0.10	3
1	Tb	159	9,833,584.02	0.20	101.8	Analog	0.10	3
2	Tb	159	5,427,443.46	0.58	97.9	Analog	0.10	3
1	Ho	165	9,561,956.11	0.37	102.6	Analog	0.10	3
2	Ho	165	5,423,534.92	0.72	99.3	Analog	0.10	3
1	Bi	209	5,799,733.66	0.31	101.5	Analog	0.10	3
2	Bi	209	3,829,225.67	1.06	99.0	Analog	0.10	3

Quantitation Report

File Name	073SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 3:22
Sample Name	C25285-6
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.088	ug/l	28.29	150.67	9.171E-05	Pulse	0.25	3
B	11	6	1	77.533	ug/l	0.27	105,030.21	6.391E-02	Pulse	0.15	3
Na	23	45	1	10117.716	ug/l	0.70	58,389,049.13	2.030E+01	Analog	0.10	3
Na	23	45	2	10422.858	ug/l	0.66	2,184,157.57	1.556E+01	Analog	0.20	3
Mg	24	45	1	407.647	ug/l	0.60	1,565,464.19	5.444E-01	Analog	0.10	3
Mg	24	45	2	392.006	ug/l	1.35	41,699.95	2.972E-01	Pulse	0.20	3
Al	27	45	1	557.411	ug/l	0.42	2,831,228.40	9.846E-01	Analog	0.10	3
Al	27	45	2	540.963	ug/l	4.87	20,719.68	1.477E-01	Pulse	0.20	3
K	39	45	1	2101.875	ug/l	1.11	15,196,405.19	5.285E+00	Analog	0.10	3
K	39	45	2	2027.462	ug/l	0.73	206,828.51	1.474E+00	Pulse	0.20	3
Ca	43	45	1	11749.215	ug/l	0.65	163,532.70	5.687E-02	Pulse	1.50	3
Ca	43	45	2	11840.207	ug/l	3.36	3,692.86	2.632E-02	Pulse	1.50	3
Ca	44	45	1	11866.040	ug/l	0.76	2,694,101.31	9.369E-01	Analog	0.10	3
Ca	44	45	2	11549.564	ug/l	2.68	63,766.90	4.545E-01	Pulse	0.20	3
Ti	47	45	1	30.435	ug/l	2.46	20,457.86	7.114E-03	Pulse	0.10	3
Ti	47	45	2	32.030	ug/l	7.36	1,326.75	9.459E-03	Pulse	0.20	3
V	51	45	2	6.124	ug/l	0.35	7,897.04	5.627E-02	Pulse	0.20	3
Cr	52	45	2	7.479	ug/l	3.43	13,045.35	9.297E-02	Pulse	0.20	3
Mn	55	45	2	38.789	ug/l	3.11	34,270.85	2.443E-01	Pulse	0.20	3
Fe	56	45	2	1197.892	ug/l	0.52	1,494,324.35	1.065E+01	Analog	0.20	3
Co	59	45	2	0.610	ug/l	5.46	1,571.77	1.120E-02	Pulse	0.20	3
Ni	60	45	2	3.535	ug/l	5.03	2,565.25	1.829E-02	Pulse	0.20	3
Cu	63	45	2	9.799	ug/l	1.62	18,018.40	1.284E-01	Pulse	0.20	3
Cu	65	45	2	10.281	ug/l	0.24	9,311.14	6.635E-02	Pulse	0.20	3
Zn	66	45	2	104.318	ug/l	3.50	32,003.12	2.281E-01	Pulse	0.20	3
As	75	45	2	6.403	ug/l	4.85	1,222.06	8.711E-03	Pulse	0.50	3
Se	78	45	2	-0.165	ug/l	-114.82	9.67	6.904E-05	Pulse	1.00	3
Se	78	45	3	0.216	ug/l	31.25	16.33	5.208E-05	Pulse	1.00	3
Sr	88	45	1	15.265	ug/l	0.28	238,655.58	8.299E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.534	ug/l	11.02	1,683.50	3.512E-04	Pulse	0.10	3
Ag	107	115	1	0.035	ug/l	11.96	373.35	6.683E-05	Pulse	0.10	3
Cd	111	115	1	0.449	ug/l	4.60	774.70	1.387E-04	Pulse	0.25	3
Cd	111	115	2	0.452	ug/l	7.92	298.68	2.450E-04	Pulse	0.25	3
Sn	117	115	1	2.530	ug/l	4.59	4,224.07	7.561E-04	Pulse	0.10	3
Sn	118	115	1	2.387	ug/l	1.44	12,925.76	2.314E-03	Pulse	0.10	3
Sn	118	115	2	2.292	ug/l	7.00	3,517.21	2.884E-03	Pulse	0.10	3
Sn	119	115	1	2.505	ug/l	2.13	4,991.00	8.934E-04	Pulse	0.10	3
Sb	121	159	1	0.247	ug/l	16.59	3,260.45	3.429E-04	Pulse	0.10	3
Ba	137	159	1	15.302	ug/l	2.90	43,074.24	4.531E-03	Pulse	0.10	3
Tl	205	209	1	0.070	ug/l	19.52	2,623.68	4.644E-04	Pulse	0.10	3
Pb	208	209	1	5.594	ug/l	0.40	122,802.33	2.175E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,643,374.22	0.21	76.9	Analog	0.10	3
1	Sc	45	2,875,649.23	0.19	79.4	Analog	0.10	3
2	Sc	45	140,338.48	1.25	79.8	Pulse	0.10	3
3	Sc	45	313,390.14	1.47	85.3	Pulse	0.10	3
1	Ge	72	647,419.52	0.21	84.6	Pulse	0.10	3
2	Ge	72	97,766.95	0.29	85.1	Pulse	0.10	3
3	Ge	72	164,873.36	0.85	89.1	Pulse	0.10	3
1	Rh	103	4,795,209.82	0.83	87.6	Analog	0.10	3
2	Rh	103	2,808,860.90	0.38	88.4	Analog	0.10	3
1	In	115	5,586,517.71	0.06	93.5	Analog	0.10	3
2	In	115	1,219,346.47	0.54	87.3	Pulse	0.10	3
1	Tb	159	9,507,997.36	0.82	98.4	Analog	0.10	3
2	Tb	159	5,285,951.59	0.65	95.4	Analog	0.10	3
1	Ho	165	9,284,254.65	0.57	99.7	Analog	0.10	3
2	Ho	165	5,291,156.38	0.56	96.8	Analog	0.10	3
1	Bi	209	5,647,107.62	0.94	98.8	Analog	0.10	3
2	Bi	209	3,729,264.42	0.26	96.4	Analog	0.10	3

Quantitation Report

File Name	074SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 3:27
Sample Name	C25285-7
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.080	ug/l	27.60	138.67	8.491E-05	Pulse	0.25	3
B	11	6	1	58.225	ug/l	0.94	79,107.93	4.830E-02	Pulse	0.15	3
Na	23	45	1	1560.520	ug/l	2.23	9,030,417.16	3.172E+00	Analog	0.10	3
Na	23	45	2	1539.812	ug/l	0.71	322,453.11	2.332E+00	Pulse	0.20	3
Mg	24	45	1	85.845	ug/l	1.52	327,759.22	1.151E-01	Pulse	0.10	3
Mg	24	45	2	86.062	ug/l	1.22	9,067.58	6.558E-02	Pulse	0.20	3
Al	27	45	1	127.622	ug/l	1.74	644,919.68	2.265E-01	Pulse	0.10	3
Al	27	45	2	125.648	ug/l	1.39	4,760.76	3.443E-02	Pulse	0.20	3
K	39	45	1	391.793	ug/l	2.03	3,454,060.47	1.213E+00	Analog	0.10	3
K	39	45	2	376.345	ug/l	0.58	42,208.65	3.052E-01	Pulse	0.20	3
Ca	43	45	1	2129.678	ug/l	1.90	29,433.27	1.034E-02	Pulse	1.50	3
Ca	43	45	2	2178.439	ug/l	2.55	670.91	4.853E-03	Pulse	1.50	3
Ca	44	45	1	2142.672	ug/l	1.88	483,953.64	1.700E-01	Pulse	0.10	3
Ca	44	45	2	2118.367	ug/l	2.58	11,547.60	8.353E-02	Pulse	0.20	3
Ti	47	45	1	6.525	ug/l	4.55	4,387.44	1.541E-03	Pulse	0.10	3
Ti	47	45	2	5.027	ug/l	26.18	208.34	1.508E-03	Pulse	0.20	3
V	51	45	2	1.396	ug/l	9.43	1,960.16	1.418E-02	Pulse	0.20	3
Cr	52	45	2	2.971	ug/l	1.69	5,644.41	4.081E-02	Pulse	0.20	3
Mn	55	45	2	3.306	ug/l	4.72	2,923.65	2.115E-02	Pulse	0.20	3
Fe	56	45	2	227.682	ug/l	2.17	281,630.21	2.037E+00	Pulse	0.20	3
Co	59	45	2	0.115	ug/l	22.67	303.34	2.190E-03	Pulse	0.20	3
Ni	60	45	2	0.882	ug/l	17.74	758.37	5.491E-03	Pulse	0.20	3
Cu	63	45	2	6.129	ug/l	2.64	11,179.01	8.086E-02	Pulse	0.20	3
Cu	65	45	2	6.154	ug/l	8.92	5,531.06	4.000E-02	Pulse	0.20	3
Zn	66	45	2	23.058	ug/l	1.25	7,156.70	5.175E-02	Pulse	0.20	3
As	75	45	2	0.630	ug/l	18.54	127.33	9.198E-04	Pulse	0.50	3
Se	78	45	2	-0.038	ug/l	-443.03	11.67	8.425E-05	Pulse	1.00	3
Se	78	45	3	0.101	ug/l	44.09	8.67	2.771E-05	Pulse	1.00	3
Sr	88	45	1	3.902	ug/l	2.68	60,748.87	2.134E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.439	ug/l	10.48	1,396.78	2.921E-04	Pulse	0.10	3
Ag	107	115	1	0.007	ug/l	79.01	163.34	2.977E-05	Pulse	0.10	3
Cd	111	115	1	0.222	ug/l	14.45	388.01	7.080E-05	Pulse	0.25	3
Cd	111	115	2	0.245	ug/l	28.79	164.00	1.348E-04	Pulse	0.25	3
Sn	117	115	1	0.532	ug/l	4.88	993.40	1.812E-04	Pulse	0.10	3
Sn	118	115	1	0.576	ug/l	6.60	3,403.84	6.208E-04	Pulse	0.10	3
Sn	118	115	2	0.491	ug/l	10.94	880.07	7.234E-04	Pulse	0.10	3
Sn	119	115	1	0.541	ug/l	2.02	1,253.44	2.284E-04	Pulse	0.10	3
Sb	121	159	1	0.029	ug/l	110.36	2,003.55	2.131E-04	Pulse	0.10	3
Ba	137	159	1	4.961	ug/l	1.79	14,340.50	1.523E-03	Pulse	0.10	3
Tl	205	209	1	0.048	ug/l	21.06	2,246.94	4.022E-04	Pulse	0.10	3
Pb	208	209	1	1.192	ug/l	3.02	26,416.88	4.736E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,637,930.72	1.92	76.6	Analog	0.10	3
1	Sc	45	2,848,046.00	1.83	78.6	Analog	0.10	3
2	Sc	45	138,282.03	1.33	78.6	Pulse	0.10	3
3	Sc	45	313,220.23	0.72	85.2	Pulse	0.10	3
1	Ge	72	646,851.78	0.91	84.5	Pulse	0.10	3
2	Ge	72	97,803.18	0.45	85.1	Pulse	0.10	3
3	Ge	72	166,180.37	0.46	89.8	Pulse	0.10	3
1	Rh	103	4,785,170.87	2.28	87.5	Analog	0.10	3
2	Rh	103	2,825,123.19	0.15	88.9	Analog	0.10	3
1	In	115	5,486,525.18	1.90	91.8	Analog	0.10	3
2	In	115	1,217,112.82	0.92	87.1	Pulse	0.10	3
1	Tb	159	9,413,077.57	2.16	97.4	Analog	0.10	3
2	Tb	159	5,312,155.76	0.44	95.9	Analog	0.10	3
1	Ho	165	9,160,709.03	2.68	98.3	Analog	0.10	3
2	Ho	165	5,323,033.46	0.63	97.4	Analog	0.10	3
1	Bi	209	5,580,540.96	2.29	97.6	Analog	0.10	3
2	Bi	209	3,759,018.27	0.63	97.2	Analog	0.10	3

Quantitation Report

File Name	075SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 3:32
Sample Name	C25285-8
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.031	ug/l	78.21	68.00	4.049E-05	Pulse	0.25	3
B	11	6	1	54.579	ug/l	0.50	75,826.12	4.535E-02	Pulse	0.15	3
Na	23	45	1	5553.225	ug/l	0.30	32,067,865.35	1.117E+01	Analog	0.10	3
Na	23	45	2	5527.490	ug/l	1.61	1,139,395.37	8.272E+00	Pulse	0.20	3
Mg	24	45	1	894.056	ug/l	0.47	3,427,016.72	1.193E+00	Analog	0.10	3
Mg	24	45	2	870.770	ug/l	1.31	90,852.28	6.596E-01	Pulse	0.20	3
Al	27	45	1	130.088	ug/l	4.80	662,884.57	2.308E-01	Pulse	0.10	3
Al	27	45	2	120.081	ug/l	5.39	4,532.36	3.291E-02	Pulse	0.20	3
K	39	45	1	7063.988	ug/l	0.52	49,107,630.93	1.710E+01	Analog	0.10	3
K	39	45	2	6820.467	ug/l	0.84	670,309.99	4.866E+00	Pulse	0.20	3
Ca	43	45	1	2756.434	ug/l	0.89	38,395.03	1.337E-02	Pulse	1.50	3
Ca	43	45	2	2843.139	ug/l	2.98	871.80	6.330E-03	Pulse	1.50	3
Ca	44	45	1	2746.750	ug/l	0.68	624,981.47	2.176E-01	Pulse	0.10	3
Ca	44	45	2	2723.462	ug/l	0.62	14,783.48	1.073E-01	Pulse	0.20	3
Ti	47	45	1	25.188	ug/l	29.81	16,929.94	5.891E-03	Pulse	0.10	3
Ti	47	45	2	37.793	ug/l	31.49	1,538.96	1.116E-02	Pulse	0.20	3
V	51	45	2	2.680	ug/l	5.77	3,528.78	2.562E-02	Pulse	0.20	3
Cr	52	45	2	42.491	ug/l	1.01	68,599.76	4.980E-01	Pulse	0.20	3
Mn	55	45	2	13.536	ug/l	1.56	11,774.38	8.547E-02	Pulse	0.20	3
Fe	56	45	2	829.891	ug/l	0.63	1,016,855.43	7.382E+00	Pulse	0.20	3
Co	59	45	2	0.371	ug/l	3.86	943.38	6.847E-03	Pulse	0.20	3
Ni	60	45	2	6.703	ug/l	1.78	4,624.07	3.357E-02	Pulse	0.20	3
Cu	63	45	2	12.155	ug/l	2.39	21,886.59	1.589E-01	Pulse	0.20	3
Cu	65	45	2	12.390	ug/l	1.69	10,993.91	7.982E-02	Pulse	0.20	3
Zn	66	45	2	313.656	ug/l	0.49	94,005.82	6.824E-01	Pulse	0.20	3
As	75	45	2	75.017	ug/l	1.12	13,956.03	1.013E-01	Pulse	0.50	3
Se	78	45	2	-0.093	ug/l	-399.00	10.67	7.762E-05	Pulse	1.00	3
Se	78	45	3	0.121	ug/l	19.76	9.67	3.185E-05	Pulse	1.00	3
Sr	88	45	1	13.456	ug/l	1.20	210,169.00	7.318E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.571	ug/l	4.74	4,754.20	9.959E-04	Pulse	0.10	3
Ag	107	115	1	0.028	ug/l	28.84	316.68	5.778E-05	Pulse	0.10	3
Cd	111	115	1	20.966	ug/l	1.16	34,380.20	6.266E-03	Pulse	0.25	3
Cd	111	115	2	21.257	ug/l	2.20	13,539.30	1.130E-02	Pulse	0.25	3
Sn	117	115	1	2.776	ug/l	4.41	4,537.50	8.271E-04	Pulse	0.10	3
Sn	118	115	1	2.754	ug/l	2.26	14,574.01	2.656E-03	Pulse	0.10	3
Sn	118	115	2	2.629	ug/l	2.73	3,940.67	3.289E-03	Pulse	0.10	3
Sn	119	115	1	2.771	ug/l	5.50	5,394.50	9.834E-04	Pulse	0.10	3
Sb	121	159	1	0.155	ug/l	23.85	2,723.67	2.885E-04	Pulse	0.10	3
Ba	137	159	1	25.260	ug/l	1.01	70,086.01	7.427E-03	Pulse	0.10	3
Tl	205	209	1	0.032	ug/l	5.95	2,020.23	3.575E-04	Pulse	0.10	3
Pb	208	209	1	5.757	ug/l	0.40	126,462.80	2.237E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,671,985.85	1.49	78.2	Analog	0.10	3
1	Sc	45	2,872,003.81	0.37	79.3	Analog	0.10	3
2	Sc	45	137,750.85	0.84	78.3	Pulse	0.10	3
3	Sc	45	303,504.77	0.31	82.6	Pulse	0.10	3
1	Ge	72	642,694.49	0.29	83.9	Pulse	0.10	3
2	Ge	72	94,919.25	0.56	82.6	Pulse	0.10	3
3	Ge	72	161,393.84	0.85	87.2	Pulse	0.10	3
1	Rh	103	4,774,078.99	0.08	87.3	Analog	0.10	3
2	Rh	103	2,809,735.69	0.73	88.4	Analog	0.10	3
1	In	115	5,486,780.67	0.88	91.8	Analog	0.10	3
2	In	115	1,198,150.23	0.38	85.8	Pulse	0.10	3
1	Tb	159	9,436,134.03	0.99	97.7	Analog	0.10	3
2	Tb	159	5,276,998.57	1.38	95.2	Analog	0.10	3
1	Ho	165	9,213,022.57	0.67	98.9	Analog	0.10	3
2	Ho	165	5,262,561.49	0.77	96.3	Analog	0.10	3
1	Bi	209	5,652,217.62	1.34	98.9	Analog	0.10	3
2	Bi	209	3,734,001.40	0.71	96.6	Analog	0.10	3

Quantitation Report

File Name	076SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 3:37
Sample Name	C25285-9
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.188	ug/l	22.12	270.67	1.818E-04	Pulse	0.25	3
B	11	6	1	95.282	ug/l	2.34	116,336.84	7.826E-02	Pulse	0.15	3
Na	23	45	1	44921.684	ug/l	0.60	248,320,649.63	8.999E+01	Analog	0.10	3
Na	23	45	2	55900.187	ug/l	16.95	10,008,381.73	8.331E+01	Analog	0.20	3
Mg	24	45	1	6697.685	ug/l	0.31	24,657,935.47	8.935E+00	Analog	0.10	3
Mg	24	45	2	8005.607	ug/l	17.11	727,966.50	6.061E+00	Pulse	0.20	3
Al	27	45	1	6275.519	ug/l	0.33	30,549,852.88	1.107E+01	Analog	0.10	3
Al	27	45	2	7415.711	ug/l	16.92	243,009.21	2.023E+00	Pulse	0.20	3
K	39	45	1	17031.474	ug/l	0.63	112,672,118.32	4.083E+01	Analog	0.10	3
K	39	45	2	20367.548	ug/l	17.85	1,735,030.08	1.445E+01	Analog	0.20	3
Ca	43	45	1	132264.560	ug/l	0.51	1,765,564.33	6.398E-01	Analog	1.50	3
Ca	43	45	2	159289.060	ug/l	16.63	42,532.53	3.539E-01	Pulse	1.50	3
Ca	44	45	1	135458.026	ug/l	0.84	29,484,378.73	1.068E+01	Analog	0.10	3
Ca	44	45	2	155504.185	ug/l	17.07	734,704.89	6.116E+00	Pulse	0.20	3
Ti	47	45	1	403.863	ug/l	0.25	259,856.66	9.416E-02	Pulse	0.10	3
Ti	47	45	2	450.244	ug/l	18.41	15,906.27	1.326E-01	Pulse	0.20	3
V	51	45	2	43.832	ug/l	18.03	47,047.03	3.919E-01	Pulse	0.20	3
Cr	52	45	2	170.832	ug/l	18.13	237,930.07	1.983E+00	Pulse	0.20	3
Mn	55	45	2	297.752	ug/l	18.20	224,680.51	1.873E+00	Pulse	0.20	3
Fe	56	45	2	20994.142	ug/l	18.06	22,363,029.67	1.864E+02	Analog	0.20	3
Co	59	45	2	5.891	ug/l	16.77	12,913.61	1.075E-01	Pulse	0.20	3
Ni	60	45	2	71.078	ug/l	18.04	41,293.72	3.440E-01	Pulse	0.20	3
Cu	63	45	2	52.974	ug/l	17.40	82,574.97	6.876E-01	Pulse	0.20	3
Cu	65	45	2	53.634	ug/l	15.39	41,288.76	3.431E-01	Pulse	0.20	3
Zn	66	45	2	1941.079	ug/l	17.24	506,163.21	4.214E+00	Pulse	0.20	3
As	75	45	2	20.292	ug/l	17.95	3,295.69	2.746E-02	Pulse	0.50	3
Se	78	45	2	0.273	ug/l	48.61	14.67	1.214E-04	Pulse	1.00	3
Se	78	45	3	0.369	ug/l	33.37	25.67	8.442E-05	Pulse	1.00	3
Sr	88	45	1	811.542	ug/l	0.53	12,152,036.90	4.403E+00	Analog	0.10	3
Mo	95	103	1	6.199	ug/l	1.71	16,829.34	3.872E-03	Pulse	0.10	3
Ag	107	115	1	0.181	ug/l	5.18	1,316.77	2.556E-04	Pulse	0.10	3
Cd	111	115	1	2.054	ug/l	3.43	3,183.03	6.180E-04	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	2.245	ug/l	20.92	1,228.06	1.198E-03	Pulse	0.25	3
Sn	117	115	1	3.083	ug/l	4.18	4,717.56	9.156E-04	Pulse	0.10	3
Sn	118	115	1	2.917	ug/l	4.15	14,473.82	2.809E-03	Pulse	0.10	3
Sn	118	115	2	3.294	ug/l	22.08	4,180.73	4.087E-03	Pulse	0.10	3
Sn	119	115	1	3.098	ug/l	3.40	5,637.92	1.094E-03	Pulse	0.10	3
Sb	121	159	1	1.568	ug/l	2.74	10,357.08	1.131E-03	Pulse	0.10	3
Ba	137	159	1	214.460	ug/l	1.16	571,975.23	6.246E-02	Pulse	0.10	3
Tl	205	209	1	0.103	ug/l	14.25	2,897.08	5.564E-04	Pulse	0.10	3
Pb	208	209	1	18.011	ug/l	0.54	363,084.39	6.972E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,486,798.82	1.23	69.5	Analog	0.10	3
1	Sc	45	2,759,590.90	1.35	76.2	Analog	0.10	3
2	Sc	45	122,195.65	14.92	69.5	Pulse	0.10	3
3	Sc	45	304,882.38	2.74	82.9	Pulse	0.10	3
1	Ge	72	593,342.46	0.89	77.5	Pulse	0.10	3
2	Ge	72	85,052.23	14.10	74.0	Pulse	0.10	3
3	Ge	72	155,944.62	2.91	84.3	Pulse	0.10	3
1	Rh	103	4,347,270.98	0.94	79.5	Analog	0.10	3
2	Rh	103	2,339,935.95	13.62	73.6	Analog	0.10	3
1	In	115	5,151,279.06	0.87	86.2	Analog	0.10	3
2	In	115	1,043,283.69	13.70	74.7	Pulse	0.10	3
1	Tb	159	9,158,226.95	1.06	94.8	Analog	0.10	3
2	Tb	159	4,633,385.97	14.82	83.6	Analog	0.10	3
1	Ho	165	8,902,111.12	1.34	95.6	Analog	0.10	3
2	Ho	165	4,666,475.24	13.95	85.4	Analog	0.10	3
1	Bi	209	5,207,480.75	0.78	91.1	Analog	0.10	3
2	Bi	209	3,143,726.62	14.52	81.3	Analog	0.10	3

Quantitation Report

File Name	077SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 3:43
Sample Name	C25285-10
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.031	ug/l	33.54	66.67	4.110E-05	Pulse	0.25	3
B	11	6	1	62.947	ug/l	0.60	84,562.31	5.212E-02	Pulse	0.15	3
Na	23	45	1	6076.087	ug/l	0.48	34,533,544.48	1.221E+01	Analog	0.10	3
Na	23	45	2	6173.397	ug/l	1.88	1,239,862.64	9.234E+00	Pulse	0.20	3
Mg	24	45	1	1546.318	ug/l	0.96	5,834,531.16	2.063E+00	Analog	0.10	3
Mg	24	45	2	1533.736	ug/l	1.38	155,946.86	1.161E+00	Pulse	0.20	3
Al	27	45	1	2006.874	ug/l	0.90	10,013,053.19	3.541E+00	Analog	0.10	3
Al	27	45	2	1935.594	ug/l	1.87	70,901.81	5.281E-01	Pulse	0.20	3
K	39	45	1	2950.504	ug/l	0.59	20,655,890.52	7.305E+00	Analog	0.10	3
K	39	45	2	2845.675	ug/l	1.49	275,656.36	2.053E+00	Pulse	0.20	3
Ca	43	45	1	5671.441	ug/l	0.51	77,671.81	2.747E-02	Pulse	1.50	3
Ca	43	45	2	5743.009	ug/l	1.01	1,715.20	1.277E-02	Pulse	1.50	3
Ca	44	45	1	5744.026	ug/l	1.19	1,283,822.87	4.540E-01	Mix	0.10	3
Ca	44	45	2	5856.811	ug/l	1.37	30,957.44	2.306E-01	Pulse	0.20	3
Ti	47	45	1	106.102	ug/l	1.55	69,992.89	2.475E-02	Pulse	0.10	3
Ti	47	45	2	100.655	ug/l	3.47	3,983.93	2.966E-02	Pulse	0.20	3
V	51	45	2	8.553	ug/l	1.80	10,460.16	7.789E-02	Pulse	0.20	3
Cr	52	45	2	104.262	ug/l	1.15	162,826.46	1.213E+00	Pulse	0.20	3
Mn	55	45	2	87.593	ug/l	1.82	74,001.63	5.511E-01	Pulse	0.20	3
Fe	56	45	2	6657.620	ug/l	1.99	7,936,045.72	5.911E+01	Analog	0.20	3
Co	59	45	2	17.130	ug/l	1.41	41,930.31	3.123E-01	Pulse	0.20	3
Ni	60	45	2	41.858	ug/l	1.81	27,274.60	2.031E-01	Pulse	0.20	3
Cu	63	45	2	36.314	ug/l	0.21	63,360.35	4.718E-01	Pulse	0.20	3
Cu	65	45	2	36.767	ug/l	2.12	31,612.50	2.355E-01	Pulse	0.20	3
Zn	66	45	2	1445.873	ug/l	1.19	421,578.65	3.140E+00	Pulse	0.20	3
As	75	45	2	3.876	ug/l	4.85	712.02	5.300E-03	Pulse	0.50	3
Se	78	45	2	0.152	ug/l	172.09	14.33	1.070E-04	Pulse	1.00	3
Se	78	45	3	0.221	ug/l	7.76	15.67	5.304E-05	Pulse	1.00	3
Sr	88	45	1	38.156	ug/l	0.93	585,868.64	2.072E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.665	ug/l	3.59	4,920.95	1.054E-03	Pulse	0.10	3
Ag	107	115	1	0.126	ug/l	14.61	990.08	1.848E-04	Pulse	0.10	3
Cd	111	115	1	1.838	ug/l	4.94	2,965.65	5.534E-04	Pulse	0.25	3
Cd	111	115	2	1.806	ug/l	5.62	1,122.72	9.642E-04	Pulse	0.25	3
Sn	117	115	1	3.863	ug/l	4.96	6,108.14	1.140E-03	Pulse	0.10	3
Sn	118	115	1	3.764	ug/l	1.00	19,292.68	3.600E-03	Pulse	0.10	3
Sn	118	115	2	3.741	ug/l	8.01	5,381.11	4.623E-03	Pulse	0.10	3
Sn	119	115	1	3.946	ug/l	5.59	7,402.08	1.381E-03	Pulse	0.10	3
Sb	121	159	1	0.562	ug/l	1.64	4,927.65	5.309E-04	Pulse	0.10	3
Ba	137	159	1	55.050	ug/l	1.44	149,356.23	1.609E-02	Pulse	0.10	3
Tl	205	209	1	0.042	ug/l	32.95	2,130.24	3.849E-04	Pulse	0.10	3
Pb	208	209	1	10.694	ug/l	1.18	229,318.88	4.145E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,622,501.05	0.27	75.9	Analog	0.10	3
1	Sc	45	2,827,662.15	0.35	78.1	Analog	0.10	3
2	Sc	45	134,286.29	1.30	76.4	Pulse	0.10	3
3	Sc	45	295,327.70	1.52	80.3	Pulse	0.10	3
1	Ge	72	619,616.83	1.21	80.9	Pulse	0.10	3
2	Ge	72	92,727.04	1.26	80.7	Pulse	0.10	3
3	Ge	72	155,596.58	0.67	84.1	Pulse	0.10	3
1	Rh	103	4,669,330.24	0.17	85.3	Analog	0.10	3
2	Rh	103	2,728,942.04	1.05	85.9	Analog	0.10	3
1	In	115	5,358,909.83	0.39	89.7	Analog	0.10	3
2	In	115	1,164,273.40	0.45	83.4	Pulse	0.10	3
1	Tb	159	9,282,115.70	0.39	96.1	Analog	0.10	3
2	Tb	159	5,201,972.22	0.57	93.9	Analog	0.10	3
1	Ho	165	9,065,065.49	0.40	97.3	Analog	0.10	3
2	Ho	165	5,202,419.51	0.69	95.2	Analog	0.10	3
1	Bi	209	5,532,457.84	0.69	96.8	Analog	0.10	3
2	Bi	209	3,645,330.68	0.23	94.3	Analog	0.10	3

Quantitation Report

File Name	078SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 3:48
Sample Name	C25285-11
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.089	ug/l	27.48	138.67	9.248E-05	Pulse	0.25	3
B	11	6	1	92.925	ug/l	1.67	114,294.01	7.636E-02	Pulse	0.15	3
Na	23	45	1	24015.942	ug/l	1.17	131,089,788.04	4.813E+01	Analog	0.10	3
Na	23	45	2	26843.934	ug/l	0.45	5,255,057.53	4.003E+01	Analog	0.20	3
Mg	24	45	1	4751.809	ug/l	0.71	17,265,925.99	6.340E+00	Analog	0.10	3
Mg	24	45	2	4864.834	ug/l	1.48	483,525.16	3.683E+00	Pulse	0.20	3
Al	27	45	1	4288.377	ug/l	0.79	20,604,522.61	7.565E+00	Analog	0.10	3
Al	27	45	2	4279.598	ug/l	0.68	153,260.83	1.167E+00	Pulse	0.20	3
K	39	45	1	11532.716	ug/l	0.44	75,546,362.21	2.774E+01	Analog	0.10	3
K	39	45	2	11334.421	ug/l	0.77	1,058,331.39	8.061E+00	Pulse	0.20	3
Ca	43	45	1	16402.482	ug/l	0.36	216,184.72	7.938E-02	Pulse	1.50	3
Ca	43	45	2	17072.385	ug/l	2.84	4,980.75	3.794E-02	Pulse	1.50	3
Ca	44	45	1	16462.256	ug/l	0.77	3,538,928.80	1.299E+00	Analog	0.10	3
Ca	44	45	2	16513.985	ug/l	1.22	85,295.68	6.497E-01	Pulse	0.20	3
Ti	47	45	1	238.573	ug/l	1.55	151,510.94	5.563E-02	Pulse	0.10	3
Ti	47	45	2	251.942	ug/l	3.21	9,741.83	7.421E-02	Pulse	0.20	3
V	51	45	2	19.969	ug/l	0.09	23,568.74	1.795E-01	Pulse	0.20	3
Cr	52	45	2	264.008	ug/l	1.26	401,815.85	3.061E+00	Pulse	0.20	3
Mn	55	45	2	199.392	ug/l	1.69	164,633.02	1.254E+00	Pulse	0.20	3
Fe	56	45	2	13978.263	ug/l	1.10	16,290,559.76	1.241E+02	Analog	0.20	3
Co	59	45	2	54.092	ug/l	0.76	129,450.04	9.859E-01	Pulse	0.20	3
Ni	60	45	2	98.704	ug/l	1.17	62,658.96	4.773E-01	Pulse	0.20	3
Cu	63	45	2	91.631	ug/l	0.30	156,021.01	1.188E+00	Pulse	0.20	3
Cu	65	45	2	91.708	ug/l	0.96	76,961.34	5.862E-01	Pulse	0.20	3
Zn	66	45	2	3510.672	ug/l	0.97	1,000,516.21	7.621E+00	Pulse	0.20	3
As	75	45	2	13.266	ug/l	6.88	2,358.86	1.797E-02	Pulse	0.50	3
Se	78	45	2	0.107	ug/l	242.11	13.33	1.016E-04	Pulse	1.00	3
Se	78	45	3	0.211	ug/l	45.43	15.00	5.093E-05	Pulse	1.00	3
Sr	88	45	1	118.172	ug/l	0.57	1,746,754.04	6.414E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	3.845	ug/l	3.39	10,824.07	2.409E-03	Pulse	0.10	3
Ag	107	115	1	0.217	ug/l	9.72	1,576.80	3.025E-04	Pulse	0.10	3
Cd	111	115	1	4.582	ug/l	1.92	7,159.08	1.373E-03	Pulse	0.25	3
Cd	111	115	2	4.670	ug/l	3.45	2,852.30	2.487E-03	Pulse	0.25	3
Sn	117	115	1	6.663	ug/l	5.16	10,150.37	1.946E-03	Pulse	0.10	3
Sn	118	115	1	6.656	ug/l	2.91	32,868.69	6.304E-03	Pulse	0.10	3
Sn	118	115	2	6.962	ug/l	1.04	9,736.77	8.488E-03	Pulse	0.10	3
Sn	119	115	1	6.972	ug/l	1.57	12,545.49	2.406E-03	Pulse	0.10	3
Sb	121	159	1	1.061	ug/l	2.82	7,665.53	8.287E-04	Pulse	0.10	3
Ba	137	159	1	108.962	ug/l	0.33	293,951.96	3.177E-02	Pulse	0.10	3
Tl	205	209	1	0.099	ug/l	18.15	2,973.76	5.439E-04	Pulse	0.10	3
Pb	208	209	1	22.894	ug/l	0.66	484,215.82	8.859E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,496,931.57	1.21	70.0	Analog	0.10	3
1	Sc	45	2,723,497.46	0.49	75.2	Analog	0.10	3
2	Sc	45	131,295.28	1.27	74.7	Pulse	0.10	3
3	Sc	45	294,232.85	0.71	80.0	Pulse	0.10	3
1	Ge	72	598,877.28	1.31	78.2	Pulse	0.10	3
2	Ge	72	91,500.06	2.36	79.6	Pulse	0.10	3
3	Ge	72	154,184.04	1.44	83.3	Pulse	0.10	3
1	Rh	103	4,492,866.70	1.18	82.1	Analog	0.10	3
2	Rh	103	2,640,946.42	0.39	83.1	Analog	0.10	3
1	In	115	5,214,647.89	0.93	87.3	Analog	0.10	3
2	In	115	1,147,079.05	0.44	82.1	Pulse	0.10	3
1	Tb	159	9,251,822.57	1.17	95.8	Analog	0.10	3
2	Tb	159	5,116,690.24	0.61	92.3	Analog	0.10	3
1	Ho	165	9,031,452.16	0.84	97.0	Analog	0.10	3
2	Ho	165	5,119,899.30	0.37	93.7	Analog	0.10	3
1	Bi	209	5,465,463.46	0.86	95.6	Analog	0.10	3
2	Bi	209	3,530,059.63	0.45	91.3	Analog	0.10	3

Quantitation Report

File Name	079SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 3:53
Sample Name	C25285-12
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.053	ug/l	16.17	90.67	6.068E-05	Pulse	0.25	3
B	11	6	1	130.036	ug/l	1.78	158,912.12	1.064E-01	Pulse	0.15	3
Na	23	45	1	30851.110	ug/l	0.75	168,708,984.15	6.182E+01	Analog	0.10	3
Na	23	45	2	32890.732	ug/l	0.82	6,494,415.32	4.903E+01	Analog	0.20	3
Mg	24	45	1	7828.050	ug/l	1.69	28,498,918.74	1.044E+01	Analog	0.10	3
Mg	24	45	2	7827.567	ug/l	1.14	784,857.54	5.926E+00	Pulse	0.20	3
Al	27	45	1	1841.593	ug/l	1.32	8,868,316.95	3.250E+00	Analog	0.10	3
Al	27	45	2	1811.362	ug/l	1.43	65,454.76	4.942E-01	Pulse	0.20	3
K	39	45	1	8243.887	ug/l	1.22	54,330,369.19	1.991E+01	Analog	0.10	3
K	39	45	2	7955.414	ug/l	1.23	750,918.30	5.670E+00	Pulse	0.20	3
Ca	43	45	1	23004.721	ug/l	0.88	303,787.25	1.113E-01	Pulse	1.50	3
Ca	43	45	2	24471.750	ug/l	1.42	7,202.89	5.438E-02	Pulse	1.50	3
Ca	44	45	1	23254.571	ug/l	0.78	5,008,688.26	1.835E+00	Analog	0.10	3
Ca	44	45	2	23528.210	ug/l	0.56	122,596.94	9.256E-01	Pulse	0.20	3
Ti	47	45	1	103.007	ug/l	1.85	65,589.23	2.403E-02	Pulse	0.10	3
Ti	47	45	2	105.266	ug/l	1.40	4,108.93	3.102E-02	Pulse	0.20	3
V	51	45	2	14.792	ug/l	0.82	17,673.00	1.334E-01	Pulse	0.20	3
Cr	52	45	2	263.288	ug/l	1.22	404,284.14	3.052E+00	Pulse	0.20	3
Mn	55	45	2	125.872	ug/l	2.10	104,867.27	7.918E-01	Pulse	0.20	3
Fe	56	45	2	10366.698	ug/l	0.95	12,189,205.65	9.203E+01	Analog	0.20	3
Co	59	45	2	22.172	ug/l	0.96	53,537.06	4.042E-01	Pulse	0.20	3
Ni	60	45	2	83.916	ug/l	0.47	53,771.03	4.060E-01	Pulse	0.20	3
Cu	63	45	2	79.539	ug/l	1.94	136,642.22	1.032E+00	Pulse	0.20	3
Cu	65	45	2	80.798	ug/l	2.37	68,412.24	5.166E-01	Pulse	0.20	3
Zn	66	45	2	2551.470	ug/l	1.30	733,648.82	5.539E+00	Pulse	0.20	3
As	75	45	2	7.432	ug/l	13.10	1,336.73	1.010E-02	Pulse	0.50	3
Se	78	45	2	0.457	ug/l	120.19	19.00	1.435E-04	Pulse	1.00	3
Se	78	45	3	0.208	ug/l	5.47	14.67	5.041E-05	Pulse	1.00	3
Sr	88	45	1	260.115	ug/l	0.94	3,852,206.71	1.412E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	6.877	ug/l	1.45	18,865.02	4.293E-03	Pulse	0.10	3
Ag	107	115	1	0.190	ug/l	11.21	1,376.79	2.664E-04	Pulse	0.10	3
Cd	111	115	1	5.333	ug/l	3.08	8,251.59	1.597E-03	Pulse	0.25	3
Cd	111	115	2	5.259	ug/l	1.42	3,179.03	2.799E-03	Pulse	0.25	3
Sn	117	115	1	2.590	ug/l	7.18	3,997.32	7.737E-04	Pulse	0.10	3
Sn	118	115	1	2.533	ug/l	0.34	12,658.89	2.450E-03	Pulse	0.10	3
Sn	118	115	2	2.572	ug/l	11.34	3,657.24	3.220E-03	Pulse	0.10	3
Sn	119	115	1	2.745	ug/l	8.11	5,034.36	9.745E-04	Pulse	0.10	3
Sb	121	159	1	0.741	ug/l	4.19	5,807.99	6.376E-04	Pulse	0.10	3
Ba	137	159	1	93.711	ug/l	0.78	249,026.07	2.734E-02	Pulse	0.10	3
Tl	205	209	1	0.058	ug/l	28.29	2,293.62	4.304E-04	Pulse	0.10	3
Pb	208	209	1	41.940	ug/l	0.55	864,337.05	1.622E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,494,159.23	0.38	69.9	Analog	0.10	3
1	Sc	45	2,729,341.94	1.33	75.4	Analog	0.10	3
2	Sc	45	132,457.91	1.05	75.3	Pulse	0.10	3
3	Sc	45	291,055.91	1.36	79.2	Pulse	0.10	3
1	Ge	72	603,584.96	0.44	78.8	Pulse	0.10	3
2	Ge	72	90,890.50	2.26	79.1	Pulse	0.10	3
3	Ge	72	153,322.32	0.83	82.9	Pulse	0.10	3
1	Rh	103	4,393,853.06	0.69	80.3	Analog	0.10	3
2	Rh	103	2,607,586.11	0.51	82.1	Analog	0.10	3
1	In	115	5,166,648.42	0.33	86.5	Analog	0.10	3
2	In	115	1,135,744.93	0.65	81.3	Pulse	0.10	3
1	Tb	159	9,109,437.99	0.93	94.3	Analog	0.10	3
2	Tb	159	5,082,934.82	0.31	91.7	Analog	0.10	3
1	Ho	165	8,894,078.83	0.68	95.5	Analog	0.10	3
2	Ho	165	5,114,091.07	1.39	93.6	Analog	0.10	3
1	Bi	209	5,329,317.21	0.87	93.2	Analog	0.10	3
2	Bi	209	3,522,940.37	1.05	91.1	Analog	0.10	3

Quantitation Report

File Name	080SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 3:58
Sample Name	C25285-13
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.059	ug/l	25.48	98.67	6.618E-05	Pulse	0.25	3
B	11	6	1	133.391	ug/l	0.49	162,726.06	1.091E-01	Pulse	0.15	3
Na	23	45	1	31916.884	ug/l	0.55	173,679,404.08	6.395E+01	Analog	0.10	3
Na	23	45	2	34519.093	ug/l	1.64	6,770,874.27	5.146E+01	Analog	0.20	3
Mg	24	45	1	7820.331	ug/l	1.78	28,331,542.08	1.043E+01	Analog	0.10	3
Mg	24	45	2	7971.325	ug/l	2.07	793,999.23	6.035E+00	Pulse	0.20	3
Al	27	45	1	1311.433	ug/l	1.19	6,285,526.37	2.315E+00	Analog	0.10	3
Al	27	45	2	1298.381	ug/l	0.94	46,617.82	3.543E-01	Pulse	0.20	3
K	39	45	1	8103.112	ug/l	0.77	53,154,794.21	1.957E+01	Analog	0.10	3
K	39	45	2	7858.503	ug/l	1.51	736,996.16	5.601E+00	Pulse	0.20	3
Ca	43	45	1	23841.506	ug/l	0.83	313,284.89	1.154E-01	Pulse	1.50	3
Ca	43	45	2	25207.135	ug/l	2.64	7,370.30	5.602E-02	Pulse	1.50	3
Ca	44	45	1	24032.605	ug/l	0.43	5,150,486.90	1.896E+00	Analog	0.10	3
Ca	44	45	2	24322.229	ug/l	1.20	125,901.50	9.568E-01	Pulse	0.20	3
Ti	47	45	1	89.510	ug/l	14.68	56,701.38	2.089E-02	Pulse	0.10	3
Ti	47	45	2	79.966	ug/l	7.47	3,100.57	2.357E-02	Pulse	0.20	3
V	51	45	2	13.306	ug/l	1.40	15,816.13	1.202E-01	Pulse	0.20	3
Cr	52	45	2	283.772	ug/l	1.69	432,820.37	3.289E+00	Pulse	0.20	3
Mn	55	45	2	118.974	ug/l	2.51	98,473.23	7.484E-01	Pulse	0.20	3
Fe	56	45	2	8086.444	ug/l	1.62	9,446,125.90	7.179E+01	Analog	0.20	3
Co	59	45	2	21.374	ug/l	1.55	51,271.55	3.896E-01	Pulse	0.20	3
Ni	60	45	2	68.557	ug/l	1.17	43,671.45	3.319E-01	Pulse	0.20	3
Cu	63	45	2	64.402	ug/l	2.00	109,954.99	8.357E-01	Pulse	0.20	3
Cu	65	45	2	64.320	ug/l	1.73	54,127.65	4.114E-01	Pulse	0.20	3
Zn	66	45	2	2134.836	ug/l	1.65	609,872.13	4.635E+00	Pulse	0.20	3
As	75	45	2	6.277	ug/l	3.63	1,124.05	8.542E-03	Pulse	0.50	3
Se	78	45	2	0.335	ug/l	91.13	17.00	1.289E-04	Pulse	1.00	3
Se	78	45	3	0.217	ug/l	20.13	15.00	5.211E-05	Pulse	1.00	3
Sr	88	45	1	274.506	ug/l	1.11	4,045,281.40	1.490E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	4.207	ug/l	0.70	11,521.24	2.634E-03	Pulse	0.10	3
Ag	107	115	1	0.175	ug/l	0.37	1,276.76	2.481E-04	Pulse	0.10	3
Cd	111	115	1	5.209	ug/l	3.69	8,028.83	1.560E-03	Pulse	0.25	3
Cd	111	115	2	5.160	ug/l	0.69	3,108.35	2.747E-03	Pulse	0.25	3
Sn	117	115	1	1.991	ug/l	2.97	3,093.75	6.011E-04	Pulse	0.10	3
Sn	118	115	1	2.054	ug/l	1.83	10,307.04	2.003E-03	Pulse	0.10	3
Sn	118	115	2	1.994	ug/l	6.41	2,860.37	2.527E-03	Pulse	0.10	3
Sn	119	115	1	2.203	ug/l	5.62	4,070.70	7.911E-04	Pulse	0.10	3
Sb	121	159	1	0.658	ug/l	9.98	5,337.75	5.880E-04	Pulse	0.10	3
Ba	137	159	1	79.498	ug/l	0.59	210,620.96	2.320E-02	Pulse	0.10	3
Tl	205	209	1	0.063	ug/l	45.80	2,366.95	4.440E-04	Pulse	0.10	3
Pb	208	209	1	16.388	ug/l	1.07	337,967.07	6.345E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,491,929.21	0.59	69.8	Analog	0.10	3
1	Sc	45	2,715,836.73	0.94	75.0	Analog	0.10	3
2	Sc	45	131,595.00	1.09	74.8	Pulse	0.10	3
3	Sc	45	287,852.93	0.42	78.3	Pulse	0.10	3
1	Ge	72	596,381.53	1.19	77.9	Pulse	0.10	3
2	Ge	72	89,170.49	0.87	77.6	Pulse	0.10	3
3	Ge	72	151,855.68	1.04	82.1	Pulse	0.10	3
1	Rh	103	4,374,613.69	0.81	80.0	Analog	0.10	3
2	Rh	103	2,583,006.42	0.66	81.3	Analog	0.10	3
1	In	115	5,146,655.11	0.49	86.1	Analog	0.10	3
2	In	115	1,131,573.79	0.79	81.0	Pulse	0.10	3
1	Tb	159	9,077,913.20	0.61	94.0	Analog	0.10	3
2	Tb	159	5,075,251.28	0.31	91.6	Analog	0.10	3
1	Ho	165	8,849,578.62	1.21	95.0	Analog	0.10	3
2	Ho	165	5,083,099.61	0.19	93.0	Analog	0.10	3
1	Bi	209	5,325,954.71	0.73	93.2	Analog	0.10	3
2	Bi	209	3,491,029.53	0.21	90.3	Analog	0.10	3

Quantitation Report

File Name	081SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 4:03
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	47.611	ug/l	1.84	144,131.07	8.529E-02	Pulse	0.25	3
B	11	6	1	49.498	ug/l	0.73	137,338.78	8.126E-02	Pulse	0.15	3
Na	23	45	1	4686.732	ug/l	0.81	56,692,750.82	1.881E+01	Analog	0.10	3
Na	23	45	2	4911.015	ug/l	1.11	2,093,714.09	1.467E+01	Analog	0.20	3
Mg	24	45	1	4756.775	ug/l	0.12	38,242,921.93	1.269E+01	Analog	0.10	3
Mg	24	45	2	4717.329	ug/l	1.31	1,019,382.62	7.142E+00	Pulse	0.20	3
Al	27	45	1	4783.239	ug/l	0.87	50,844,174.24	1.687E+01	Analog	0.10	3
Al	27	45	2	4725.868	ug/l	0.83	367,950.39	2.578E+00	Pulse	0.20	3
K	39	45	1	4939.140	ug/l	0.69	71,708,605.60	2.380E+01	Analog	0.10	3
K	39	45	2	4800.535	ug/l	0.92	975,450.76	6.834E+00	Pulse	0.20	3
Ca	43	45	1	4924.171	ug/l	0.63	143,642.40	4.767E-02	Pulse	1.50	3
Ca	43	45	2	5260.150	ug/l	1.67	3,337.89	2.339E-02	Pulse	1.50	3
Ca	44	45	1	4993.357	ug/l	0.30	2,376,334.45	7.886E-01	Analog	0.10	3
Ca	44	45	2	5014.062	ug/l	0.32	56,325.07	3.946E-01	Pulse	0.20	3
Ti	47	45	1	47.657	ug/l	1.65	67,009.43	2.224E-02	Pulse	0.10	3
Ti	47	45	2	46.814	ug/l	2.36	3,938.88	2.760E-02	Pulse	0.20	3
V	51	45	2	49.113	ug/l	0.32	125,047.03	8.761E-01	Pulse	0.20	3
Cr	52	45	2	48.452	ug/l	0.81	160,927.89	1.127E+00	Pulse	0.20	3
Mn	55	45	2	47.808	ug/l	0.46	85,865.00	6.016E-01	Pulse	0.20	3
Fe	56	45	2	5105.355	ug/l	0.96	12,937,648.98	9.064E+01	Analog	0.20	3
Co	59	45	2	47.959	ug/l	0.37	249,530.15	1.748E+00	Pulse	0.20	3
Ni	60	45	2	47.416	ug/l	0.38	65,458.15	4.586E-01	Pulse	0.20	3
Cu	63	45	2	47.757	ug/l	1.12	176,786.93	1.239E+00	Pulse	0.20	3
Cu	65	45	2	47.466	ug/l	1.38	86,609.09	6.068E-01	Pulse	0.20	3
Zn	66	45	2	48.582	ug/l	0.36	30,341.78	2.126E-01	Pulse	0.20	3
As	75	45	2	49.275	ug/l	1.34	18,994.45	1.331E-01	Pulse	0.50	3
Se	78	45	2	47.860	ug/l	2.61	1,648.76	1.155E-02	Pulse	1.00	3
Se	78	45	3	49.748	ug/l	1.26	6,448.96	2.104E-02	Pulse	1.00	3
Sr	88	45	1	51.445	ug/l	0.32	1,682,691.43	5.584E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	48.412	ug/l	0.99	286,233.67	6.019E-02	Pulse	0.10	3
Ag	107	115	1	45.333	ug/l	1.19	638,035.03	1.174E-01	Pulse	0.10	3
Cd	111	115	1	46.869	ug/l	0.22	152,175.14	2.800E-02	Pulse	0.25	3
Cd	111	115	2	47.735	ug/l	1.36	61,275.40	5.074E-02	Pulse	0.25	3
Sn	117	115	1	47.919	ug/l	0.66	150,115.31	2.762E-02	Pulse	0.10	3
Sn	118	115	1	47.715	ug/l	0.30	485,257.49	8.928E-02	Pulse	0.10	3
Sn	118	115	2	48.377	ug/l	2.06	140,408.69	1.162E-01	Pulse	0.10	3
Sn	119	115	1	47.893	ug/l	0.75	176,522.62	3.248E-02	Pulse	0.10	3
Sb	121	159	1	51.883	ug/l	0.71	573,374.73	6.209E-02	Pulse	0.10	3
Ba	137	159	1	47.104	ug/l	2.13	253,757.76	2.748E-02	Pulse	0.10	3
Tl	205	209	1	44.710	ug/l	1.45	1,365,904.87	2.520E-01	Mix	0.10	3
Pb	208	209	1	48.297	ug/l	0.89	2,024,068.85	3.734E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,690,092.88	0.85	79.0	Analog	0.10	3
1	Sc	45	3,013,202.25	1.23	83.2	Analog	0.10	3
2	Sc	45	142,732.15	0.57	81.2	Pulse	0.10	3
3	Sc	45	306,569.88	0.63	83.4	Pulse	0.10	3
1	Ge	72	638,808.03	1.27	83.4	Pulse	0.10	3
2	Ge	72	97,554.48	1.38	84.9	Pulse	0.10	3
3	Ge	72	158,800.57	0.97	85.8	Pulse	0.10	3
1	Rh	103	4,755,446.60	1.24	86.9	Analog	0.10	3
2	Rh	103	2,803,372.98	0.48	88.2	Analog	0.10	3
1	In	115	5,435,387.98	1.16	91.0	Analog	0.10	3
2	In	115	1,207,749.73	0.73	86.5	Pulse	0.10	3
1	Tb	159	9,235,144.86	0.96	95.6	Analog	0.10	3
2	Tb	159	5,202,701.07	0.54	93.9	Analog	0.10	3
1	Ho	165	8,910,195.91	0.27	95.6	Analog	0.10	3
2	Ho	165	5,171,832.53	0.35	94.6	Analog	0.10	3
1	Bi	209	5,421,081.79	0.74	94.9	Analog	0.10	3
2	Bi	209	3,575,771.72	0.73	92.5	Analog	0.10	3

Quantitation Report

File Name	082SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 4:08
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.002	ug/l	-59.11	16.00	9.207E-06	Pulse	0.25	3
B	11	6	1	2.190	ug/l	4.67	8,282.24	4.766E-03	Pulse	0.15	3
Na	23	45	1	-1.068	ug/l	-9.64	131,088.15	4.279E-02	Pulse	0.10	3
Na	23	45	2	-0.158	ug/l	-80.82	5,529.36	3.776E-02	Pulse	0.20	3
Mg	24	45	1	0.028	ug/l	62.35	2,016.88	6.585E-04	Pulse	0.10	3
Mg	24	45	2	-0.006	ug/l	-1186.81	61.67	4.211E-04	Pulse	0.20	3
Al	27	45	1	-0.014	ug/l	-319.55	4,090.65	1.336E-03	Pulse	0.10	3
Al	27	45	2	0.040	ug/l	658.83	26.67	1.831E-04	Pulse	0.20	3
K	39	45	1	-2.341	ug/l	-9.77	824,089.75	2.690E-01	Pulse	0.10	3
K	39	45	2	-0.054	ug/l	-579.80	5,677.76	3.878E-02	Pulse	0.20	3
Ca	43	45	1	-1.219	ug/l	-30.60	71.55	2.338E-05	Pulse	1.50	3
Ca	43	45	2	0.250	ug/l	828.37	2.00	1.374E-05	Pulse	1.50	3
Ca	44	45	1	-2.537	ug/l	-7.65	1,726.83	5.636E-04	Pulse	0.10	3
Ca	44	45	2	1.522	ug/l	152.02	48.33	3.284E-04	Pulse	0.20	3
Ti	47	45	1	-0.003	ug/l	-1847.11	56.67	1.843E-05	Pulse	0.10	3
Ti	47	45	2	-0.009	ug/l	-736.58	3.33	2.296E-05	Pulse	0.20	3
V	51	45	2	0.008	ug/l	302.04	278.34	1.901E-03	Pulse	0.20	3
Cr	52	45	2	0.016	ug/l	175.00	998.39	6.818E-03	Pulse	0.20	3
Mn	55	45	2	-0.015	ug/l	-54.14	25.00	1.708E-04	Pulse	0.20	3
Fe	56	45	2	0.276	ug/l	3.52	3,077.01	2.102E-02	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	191.66	20.00	1.364E-04	Pulse	0.20	3
Ni	60	45	2	-0.003	ug/l	-600.93	176.67	1.208E-03	Pulse	0.20	3
Cu	63	45	2	-0.018	ug/l	-32.73	145.00	9.903E-04	Pulse	0.20	3
Cu	65	45	2	-0.018	ug/l	-15.02	70.00	4.782E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.119	ug/l	25.19	325.01	2.221E-03	Pulse	0.20	3
As	75	45	2	0.016	ug/l	91.49	16.67	1.136E-04	Pulse	0.50	3
Se	78	45	2	-0.047	ug/l	-160.76	11.33	7.755E-05	Pulse	1.00	3
Se	78	45	3	0.030	ug/l	108.71	6.00	1.921E-05	Pulse	1.00	3
Sr	88	45	1	-0.001	ug/l	-305.98	496.69	1.620E-04	Pulse	0.10	3
Mo	95	103	1	0.044	ug/l	30.61	370.02	7.450E-05	Pulse	0.10	3
Ag	107	115	1	-0.001	ug/l	-369.04	106.67	1.922E-05	Pulse	0.10	3
Cd	111	115	1	0.001	ug/l	256.93	26.67	4.804E-06	Pulse	0.25	3
Cd	111	115	2	-0.001	ug/l	-335.40	5.33	4.246E-06	Pulse	0.25	3
Sn	117	115	1	0.056	ug/l	35.72	333.35	6.003E-05	Pulse	0.10	3
Sn	118	115	1	0.071	ug/l	27.10	1,200.09	2.162E-04	Pulse	0.10	3
Sn	118	115	2	0.112	ug/l	24.01	506.70	4.031E-04	Pulse	0.10	3
Sn	119	115	1	0.055	ug/l	48.81	456.69	8.226E-05	Pulse	0.10	3
Sb	121	159	1	-0.056	ug/l	-19.45	1,186.76	1.289E-04	Pulse	0.10	3
Ba	137	159	1	0.038	ug/l	64.70	940.07	1.021E-04	Pulse	0.10	3
Tl	205	209	1	0.282	ug/l	10.43	10,220.65	1.853E-03	Pulse	0.10	3
Pb	208	209	1	-0.001	ug/l	-194.82	686.71	1.245E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,737,838.82	0.73	81.3	Analog	0.10	3
1	Sc	45	3,063,360.89	1.09	84.6	Analog	0.10	3
2	Sc	45	146,406.21	1.42	83.3	Pulse	0.10	3
3	Sc	45	313,588.95	0.93	85.3	Pulse	0.10	3
1	Ge	72	658,139.02	0.59	86.0	Pulse	0.10	3
2	Ge	72	100,475.79	1.01	87.4	Pulse	0.10	3
3	Ge	72	162,430.14	1.95	87.8	Pulse	0.10	3
1	Rh	103	4,970,738.68	0.59	90.8	Analog	0.10	3
2	Rh	103	2,910,520.58	0.67	91.6	Analog	0.10	3
1	In	115	5,552,170.62	0.37	92.9	Analog	0.10	3
2	In	115	1,256,986.64	0.32	90.0	Pulse	0.10	3
1	Tb	159	9,208,104.66	0.12	95.3	Analog	0.10	3
2	Tb	159	5,251,865.75	0.60	94.8	Analog	0.10	3
1	Ho	165	8,885,414.87	0.51	95.4	Analog	0.10	3
2	Ho	165	5,213,532.53	0.59	95.4	Analog	0.10	3
1	Bi	209	5,516,330.33	0.13	96.5	Analog	0.10	3
2	Bi	209	3,708,704.95	0.30	95.9	Analog	0.10	3

Quantitation Report

File Name	083SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 4:13
Sample Name	C25285-14 4
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.006	ug/l	124.68	30.67	1.872E-05	Pulse	0.25	3
B	11	6	1	53.829	ug/l	0.84	73,235.09	4.475E-02	Pulse	0.15	3
Na	23	45	1	2207.472	ug/l	0.53	12,504,774.39	4.467E+00	Analog	0.10	3
Na	23	45	2	2184.265	ug/l	1.02	437,207.38	3.292E+00	Pulse	0.20	3
Mg	24	45	1	363.519	ug/l	0.55	1,359,192.69	4.855E-01	Analog	0.10	3
Mg	24	45	2	355.287	ug/l	2.86	35,774.85	2.694E-01	Pulse	0.20	3
Al	27	45	1	269.031	ug/l	0.55	1,332,274.67	4.759E-01	Analog	0.10	3
Al	27	45	2	264.046	ug/l	2.93	9,584.58	7.218E-02	Pulse	0.20	3
K	39	45	1	1282.402	ug/l	1.09	9,331,707.99	3.333E+00	Analog	0.10	3
K	39	45	2	1213.151	ug/l	1.65	119,195.71	8.975E-01	Pulse	0.20	3
Ca	43	45	1	4652.786	ug/l	1.12	63,101.17	2.254E-02	Pulse	1.50	3
Ca	43	45	2	4717.339	ug/l	7.99	1,393.84	1.049E-02	Pulse	1.50	3
Ca	44	45	1	4687.435	ug/l	0.07	1,037,721.70	3.707E-01	Pulse	0.10	3
Ca	44	45	2	4510.519	ug/l	1.02	23,588.62	1.776E-01	Pulse	0.20	3
Ti	47	45	1	21.315	ug/l	15.29	13,981.19	4.989E-03	Pulse	0.10	3
Ti	47	45	2	21.554	ug/l	4.05	846.71	6.374E-03	Pulse	0.20	3
V	51	45	2	2.744	ug/l	3.74	3,477.12	2.619E-02	Pulse	0.20	3
Cr	52	45	2	29.835	ug/l	2.62	46,695.94	3.516E-01	Pulse	0.20	3
Mn	55	45	2	27.880	ug/l	2.33	23,328.38	1.757E-01	Pulse	0.20	3
Fe	56	45	2	2643.730	ug/l	0.95	3,118,791.93	2.348E+01	Analog	0.20	3
Co	59	45	2	1.180	ug/l	3.57	2,866.97	2.159E-02	Pulse	0.20	3
Ni	60	45	2	16.014	ug/l	3.07	10,421.83	7.847E-02	Pulse	0.20	3
Cu	63	45	2	40.574	ug/l	0.36	69,996.93	5.270E-01	Pulse	0.20	3
Cu	65	45	2	40.357	ug/l	1.11	34,314.61	2.584E-01	Pulse	0.20	3
Zn	66	45	2	303.985	ug/l	1.52	87,855.82	6.614E-01	Pulse	0.20	3
As	75	45	2	8.940	ug/l	2.45	1,612.09	1.213E-02	Pulse	0.50	3
Se	78	45	2	2.610	ug/l	33.97	53.33	4.013E-04	Pulse	1.00	3
Se	78	45	3	2.518	ug/l	8.41	155.33	5.385E-04	Pulse	1.00	3
Sr	88	45	1	14.232	ug/l	1.43	216,633.88	7.739E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	5.391	ug/l	1.62	15,438.01	3.369E-03	Pulse	0.10	3
Ag	107	115	1	0.018	ug/l	28.70	233.34	4.447E-05	Pulse	0.10	3
Cd	111	115	1	4.523	ug/l	2.07	7,101.69	1.355E-03	Pulse	0.25	3
Cd	111	115	2	4.570	ug/l	6.76	2,836.31	2.433E-03	Pulse	0.25	3
Sn	117	115	1	4.455	ug/l	1.92	6,868.45	1.311E-03	Pulse	0.10	3
Sn	118	115	1	4.496	ug/l	3.54	22,450.16	4.285E-03	Pulse	0.10	3
Sn	118	115	2	4.373	ug/l	4.29	6,271.52	5.382E-03	Pulse	0.10	3
Sn	119	115	1	4.486	ug/l	1.55	8,199.13	1.564E-03	Pulse	0.10	3
Sb	121	159	1	2.239	ug/l	3.35	13,889.99	1.531E-03	Pulse	0.10	3
Ba	137	159	1	19.518	ug/l	1.55	52,222.61	5.757E-03	Pulse	0.10	3
Tl	205	209	1	0.274	ug/l	5.83	5,567.93	1.036E-03	Pulse	0.10	3
Pb	208	209	1	8.536	ug/l	0.73	177,840.17	3.311E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,636,650.63	0.36	76.5	Analog	0.10	3
1	Sc	45	2,799,552.04	1.10	77.3	Analog	0.10	3
2	Sc	45	132,821.51	1.22	75.5	Pulse	0.10	3
3	Sc	45	288,653.15	1.33	78.5	Pulse	0.10	3
1	Ge	72	617,672.00	0.82	80.7	Pulse	0.10	3
2	Ge	72	90,343.32	0.88	78.6	Pulse	0.10	3
3	Ge	72	154,295.58	1.21	83.4	Pulse	0.10	3
1	Rh	103	4,581,701.91	0.86	83.7	Analog	0.10	3
2	Rh	103	2,680,767.67	0.36	84.4	Analog	0.10	3
1	In	115	5,241,094.06	1.45	87.7	Analog	0.10	3
2	In	115	1,165,470.10	0.38	83.4	Pulse	0.10	3
1	Tb	159	9,071,758.41	0.67	93.9	Analog	0.10	3
2	Tb	159	5,085,644.41	0.88	91.8	Analog	0.10	3
1	Ho	165	8,834,111.74	0.85	94.8	Analog	0.10	3
2	Ho	165	5,061,631.49	0.42	92.6	Analog	0.10	3
1	Bi	209	5,370,958.46	1.52	94.0	Analog	0.10	3
2	Bi	209	3,578,873.38	0.93	92.6	Analog	0.10	3

Quantitation Report

File Name	084SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 4:19
Sample Name	C25285-15
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.008	ug/l	52.75	30.67	2.035E-05	Pulse	0.25	3
B	11	6	1	35.819	ug/l	1.25	45,405.35	3.019E-02	Pulse	0.15	3
Na	23	45	1	27868.002	ug/l	0.54	150,212,814.43	5.584E+01	Analog	0.10	3
Na	23	45	2	29787.233	ug/l	2.26	5,816,899.70	4.441E+01	Analog	0.20	3
Mg	24	45	1	3288.067	ug/l	0.66	11,800,202.74	4.387E+00	Analog	0.10	3
Mg	24	45	2	3263.120	ug/l	2.17	323,603.06	2.471E+00	Pulse	0.20	3
Al	27	45	1	532.008	ug/l	0.43	2,527,812.67	9.398E-01	Analog	0.10	3
Al	27	45	2	521.362	ug/l	5.24	18,637.27	1.424E-01	Pulse	0.20	3
K	39	45	1	13344.911	ug/l	0.14	86,218,145.38	3.205E+01	Analog	0.10	3
K	39	45	2	12980.592	ug/l	2.31	1,208,470.56	9.226E+00	Pulse	0.20	3
Ca	43	45	1	19855.898	ug/l	0.57	258,447.40	9.608E-02	Pulse	1.50	3
Ca	43	45	2	20594.785	ug/l	3.42	5,993.97	4.577E-02	Pulse	1.50	3
Ca	44	45	1	19898.537	ug/l	0.73	4,224,247.12	1.570E+00	Analog	0.10	3
Ca	44	45	2	19956.669	ug/l	2.78	102,827.07	7.851E-01	Pulse	0.20	3
Ti	47	45	1	28.000	ug/l	1.75	17,610.04	6.547E-03	Pulse	0.10	3
Ti	47	45	2	27.243	ug/l	2.05	1,055.06	8.049E-03	Pulse	0.20	3
V	51	45	2	11.873	ug/l	3.89	14,069.51	1.074E-01	Pulse	0.20	3
Cr	52	45	2	25.297	ug/l	3.02	39,171.61	2.991E-01	Pulse	0.20	3
Mn	55	45	2	31.824	ug/l	2.84	26,254.42	2.005E-01	Pulse	0.20	3
Fe	56	45	2	2081.514	ug/l	2.44	2,421,949.29	1.849E+01	Analog	0.20	3
Co	59	45	2	3.390	ug/l	0.41	8,107.15	6.187E-02	Pulse	0.20	3
Ni	60	45	2	9.974	ug/l	2.26	6,464.72	4.934E-02	Pulse	0.20	3
Cu	63	45	2	16.904	ug/l	0.87	28,879.03	2.204E-01	Pulse	0.20	3
Cu	65	45	2	17.472	ug/l	2.26	14,708.42	1.123E-01	Pulse	0.20	3
Zn	66	45	2	241.143	ug/l	2.50	68,770.55	5.251E-01	Pulse	0.20	3
As	75	45	2	9.749	ug/l	1.05	1,733.44	1.323E-02	Pulse	0.50	3
Se	78	45	2	0.215	ug/l	107.04	15.00	1.145E-04	Pulse	1.00	3
Se	78	45	3	0.376	ug/l	21.73	24.33	8.578E-05	Pulse	1.00	3
Sr	88	45	1	127.867	ug/l	0.37	1,866,644.61	6.940E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.309	ug/l	9.51	3,617.24	8.327E-04	Pulse	0.10	3
Ag	107	115	1	0.147	ug/l	2.90	1,080.07	2.115E-04	Pulse	0.10	3
Cd	111	115	1	2.273	ug/l	1.79	3,489.77	6.833E-04	Pulse	0.25	3
Cd	111	115	2	2.344	ug/l	7.07	1,405.42	1.251E-03	Pulse	0.25	3
Sn	117	115	1	1.563	ug/l	3.70	2,440.30	4.779E-04	Pulse	0.10	3
Sn	118	115	1	1.523	ug/l	2.14	7,688.82	1.506E-03	Pulse	0.10	3
Sn	118	115	2	1.531	ug/l	7.07	2,213.58	1.971E-03	Pulse	0.10	3
Sn	119	115	1	1.687	ug/l	2.99	3,147.12	6.164E-04	Pulse	0.10	3
Sb	121	159	1	1.041	ug/l	4.58	7,305.27	8.164E-04	Pulse	0.10	3
Ba	137	159	1	52.419	ug/l	1.10	137,170.30	1.533E-02	Pulse	0.10	3
Tl	205	209	1	0.091	ug/l	12.46	2,763.71	5.229E-04	Pulse	0.10	3
Pb	208	209	1	5.732	ug/l	1.80	117,708.14	2.228E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,504,388.10	1.43	70.4	Analog	0.10	3
1	Sc	45	2,689,854.34	0.25	74.3	Analog	0.10	3
2	Sc	45	131,030.24	2.48	74.5	Pulse	0.10	3
3	Sc	45	284,256.36	1.70	77.3	Pulse	0.10	3
1	Ge	72	593,374.73	1.10	77.5	Pulse	0.10	3
2	Ge	72	89,579.17	1.30	77.9	Pulse	0.10	3
3	Ge	72	150,567.03	0.65	81.4	Pulse	0.10	3
1	Rh	103	4,346,040.15	1.04	79.4	Analog	0.10	3
2	Rh	103	2,569,304.49	0.43	80.9	Analog	0.10	3
1	In	115	5,106,608.11	1.17	85.5	Analog	0.10	3
2	In	115	1,123,528.19	0.69	80.4	Pulse	0.10	3
1	Tb	159	8,950,307.78	1.06	92.6	Analog	0.10	3
2	Tb	159	5,007,729.93	0.22	90.4	Analog	0.10	3
1	Ho	165	8,724,624.04	0.85	93.7	Analog	0.10	3
2	Ho	165	5,009,055.24	0.09	91.7	Analog	0.10	3
1	Bi	209	5,283,770.76	0.75	92.4	Analog	0.10	3
2	Bi	209	3,484,730.47	0.38	90.1	Analog	0.10	3

Quantitation Report

File Name	085SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 4:24
Sample Name	C25285-16
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.651	ug/l	3.16	2,292.19	1.492E-03	Pulse	0.25	3
B	11	6	1	69.339	ug/l	2.92	88,002.26	5.729E-02	Pulse	0.15	3
Na	23	45	1	21438.419	ug/l	0.87	125,391,488.13	4.297E+01	Analog	0.10	3
Na	23	45	2	23219.113	ug/l	1.37	4,787,456.60	3.463E+01	Analog	0.20	3
Mg	24	45	1	13146.363	ug/l	1.02	51,173,469.24	1.754E+01	Analog	0.10	3
Mg	24	45	2	13712.898	ug/l	1.29	1,435,291.43	1.038E+01	Analog	0.20	3
Al	27	45	1	64518.177	ug/l	1.30	332,050,981.72	1.138E+02	Analog	0.10	3
Al	27	45	2	66791.454	ug/l	0.79	2,518,784.13	1.822E+01	Analog	0.20	3
K	39	45	1	7907.631	ug/l	0.87	55,752,545.83	1.911E+01	Analog	0.10	3
K	39	45	2	7811.845	ug/l	1.57	769,830.98	5.568E+00	Pulse	0.20	3
Ca	43	45	1	88171.030	ug/l	0.68	1,244,572.97	4.265E-01	Pulse	1.50	3
Ca	43	45	2	93098.929	ug/l	0.94	28,602.28	2.069E-01	Pulse	1.50	3
Ca	44	45	1	89711.990	ug/l	1.02	20,650,361.78	7.077E+00	Analog	0.10	3
Ca	44	45	2	91145.789	ug/l	1.38	495,674.76	3.585E+00	Pulse	0.20	3
Ti	47	45	1	1790.328	ug/l	0.46	1,217,857.01	4.174E-01	Pulse	0.10	3
Ti	47	45	2	1825.995	ug/l	0.68	74,340.74	5.376E-01	Pulse	0.20	3
V	51	45	2	230.564	ug/l	1.73	283,992.05	2.054E+00	Pulse	0.20	3
Cr	52	45	2	1559.069	ug/l	1.54	2,494,643.09	1.804E+01	Analog	0.20	3
Mn	55	45	2	1450.362	ug/l	1.93	1,260,887.43	9.120E+00	Pulse	0.20	3
Fe	56	45	2	132584.501	ug/l	1.24	162,711,357.57	1.177E+03	Analog	0.20	3
Co	59	45	2	87.465	ug/l	1.58	220,412.48	1.594E+00	Pulse	0.20	3
Ni	60	45	2	1091.598	ug/l	0.88	728,113.16	5.266E+00	Pulse	0.20	3
Cu	63	45	2	728.540	ug/l	0.90	1,304,995.81	9.438E+00	Pulse	0.20	3
Cu	65	45	2	736.984	ug/l	1.18	650,668.51	4.706E+00	Pulse	0.20	3
Zn	66	45	2	11502.364	ug/l	1.69	3,451,687.86	2.497E+01	Analog	0.20	3
As	75	45	2	97.471	ug/l	0.65	18,200.88	1.316E-01	Pulse	0.50	3
Se	78	45	2	6.005	ug/l	12.39	111.67	8.080E-04	Pulse	1.00	3
Se	78	45	3	1.214	ug/l	1.98	78.67	2.630E-04	Pulse	1.00	3
Sr	88	45	1	423.820	ug/l	1.84	6,710,563.23	2.300E+00	Analog	0.10	3
Mo	95	103	1	35.545	ug/l	0.58	96,058.55	2.211E-02	Pulse	0.10	3
Ag	107	115	1	10.442	ug/l	0.99	69,630.53	1.354E-02	Pulse	0.10	3
Cd	111	115	1	12.553	ug/l	2.07	19,305.25	3.753E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	12.723	ug/l	0.54	7,653.95	6.766E-03	Pulse	0.25	3
Sn	117	115	1	43.590	ug/l	0.49	64,687.34	1.258E-02	Pulse	0.10	3
Sn	118	115	1	44.190	ug/l	0.68	212,857.40	4.138E-02	Pulse	0.10	3
Sn	118	115	2	45.728	ug/l	1.96	62,233.81	5.501E-02	Pulse	0.10	3
Sn	119	115	1	44.307	ug/l	2.26	77,404.17	1.505E-02	Pulse	0.10	3
Sb	121	159	1	7.020	ug/l	3.86	40,012.11	4.383E-03	Pulse	0.10	3
Ba	137	159	1	927.504	ug/l	0.51	2,463,669.81	2.698E-01	Analog	0.10	3
Tl	205	209	1	0.331	ug/l	5.43	6,264.94	1.198E-03	Pulse	0.10	3
Pb	208	209	1	638.283	ug/l	0.23	12,895,439.08	2.467E+00	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,536,536.05	1.20	71.9	Analog	0.10	3
1	Sc	45	2,918,055.69	1.35	80.6	Analog	0.10	3
2	Sc	45	138,277.71	1.20	78.6	Pulse	0.10	3
3	Sc	45	299,167.66	0.53	81.4	Pulse	0.10	3
1	Ge	72	593,431.84	0.99	77.5	Pulse	0.10	3
2	Ge	72	92,277.88	1.83	80.3	Pulse	0.10	3
3	Ge	72	149,658.26	1.06	80.9	Pulse	0.10	3
1	Rh	103	4,345,205.98	1.34	79.4	Analog	0.10	3
2	Rh	103	2,625,261.00	0.33	82.6	Analog	0.10	3
1	In	115	5,143,206.69	1.01	86.1	Analog	0.10	3
2	In	115	1,131,262.12	0.31	81.0	Pulse	0.10	3
1	Tb	159	9,129,763.61	1.30	94.5	Analog	0.10	3
2	Tb	159	5,103,371.07	1.17	92.1	Analog	0.10	3
1	Ho	165	8,901,662.78	0.79	95.6	Analog	0.10	3
2	Ho	165	5,091,781.28	1.03	93.2	Analog	0.10	3
1	Bi	209	5,228,277.63	2.03	91.5	Analog	0.10	3
2	Bi	209	3,446,432.66	0.23	89.1	Analog	0.10	3

Quantitation Report

File Name	086SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 4:29
Sample Name	C25285-18
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.196	ug/l	19.97	301.34	1.882E-04	Pulse	0.25	3
B	11	6	1	56.398	ug/l	1.20	75,094.47	4.682E-02	Pulse	0.15	3
Na	23	45	1	16438.191	ug/l	0.54	95,143,385.25	3.296E+01	Analog	0.10	3
Na	23	45	2	17425.349	ug/l	1.83	3,607,819.63	2.600E+01	Analog	0.20	3
Mg	24	45	1	3354.613	ug/l	1.44	12,919,688.98	4.476E+00	Analog	0.10	3
Mg	24	45	2	3319.607	ug/l	1.20	348,830.28	2.513E+00	Pulse	0.20	3
Al	27	45	1	6416.217	ug/l	0.82	32,672,490.35	1.132E+01	Analog	0.10	3
Al	27	45	2	6240.177	ug/l	1.89	236,225.37	1.702E+00	Pulse	0.20	3
K	39	45	1	5178.870	ug/l	0.79	36,402,381.96	1.261E+01	Analog	0.10	3
K	39	45	2	5035.044	ug/l	1.65	499,989.33	3.603E+00	Pulse	0.20	3
Ca	43	45	1	24197.762	ug/l	0.29	337,981.73	1.171E-01	Pulse	1.50	3
Ca	43	45	2	25130.333	ug/l	1.91	7,750.91	5.585E-02	Pulse	1.50	3
Ca	44	45	1	24661.259	ug/l	1.13	5,617,645.75	1.946E+00	Analog	0.10	3
Ca	44	45	2	24415.579	ug/l	0.92	133,308.20	9.605E-01	Pulse	0.20	3
Ti	47	45	1	348.626	ug/l	1.34	234,652.31	8.129E-02	Pulse	0.10	3
Ti	47	45	2	352.962	ug/l	0.92	14,428.19	1.039E-01	Pulse	0.20	3
V	51	45	2	23.598	ug/l	1.79	29,398.18	2.118E-01	Pulse	0.20	3
Cr	52	45	2	113.760	ug/l	2.49	183,543.60	1.323E+00	Pulse	0.20	3
Mn	55	45	2	239.041	ug/l	1.78	208,645.62	1.503E+00	Pulse	0.20	3
Fe	56	45	2	16349.965	ug/l	1.63	20,142,810.12	1.451E+02	Analog	0.20	3
Co	59	45	2	6.111	ug/l	1.37	15,469.17	1.115E-01	Pulse	0.20	3
Ni	60	45	2	44.367	ug/l	2.46	29,867.38	2.152E-01	Pulse	0.20	3
Cu	63	45	2	89.466	ug/l	1.31	161,037.08	1.160E+00	Pulse	0.20	3
Cu	65	45	2	89.936	ug/l	0.30	79,796.42	5.749E-01	Pulse	0.20	3
Zn	66	45	2	1482.448	ug/l	0.88	446,785.76	3.219E+00	Pulse	0.20	3
As	75	45	2	4.302	ug/l	6.00	815.36	5.876E-03	Pulse	0.50	3
Se	78	45	2	0.405	ug/l	85.59	19.00	1.372E-04	Pulse	1.00	3
Se	78	45	3	0.221	ug/l	64.28	16.33	5.306E-05	Pulse	1.00	3
Sr	88	45	1	96.903	ug/l	0.96	1,518,239.20	5.260E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	3.101	ug/l	5.74	9,249.72	1.946E-03	Pulse	0.10	3
Ag	107	115	1	0.367	ug/l	8.07	2,717.00	4.966E-04	Pulse	0.10	3
Cd	111	115	1	2.137	ug/l	3.85	3,516.44	6.427E-04	Pulse	0.25	3
Cd	111	115	2	2.183	ug/l	12.17	1,380.09	1.165E-03	Pulse	0.25	3
Sn	117	115	1	9.708	ug/l	4.25	15,444.79	2.823E-03	Pulse	0.10	3
Sn	118	115	1	9.332	ug/l	1.75	48,175.10	8.804E-03	Pulse	0.10	3
Sn	118	115	2	9.708	ug/l	0.94	13,969.99	1.178E-02	Pulse	0.10	3
Sn	119	115	1	9.610	ug/l	3.61	18,054.32	3.299E-03	Pulse	0.10	3
Sb	121	159	1	3.670	ug/l	1.11	22,693.80	2.385E-03	Pulse	0.10	3
Ba	137	159	1	150.547	ug/l	0.71	417,461.22	4.387E-02	Pulse	0.10	3
Tl	205	209	1	0.157	ug/l	3.77	3,930.67	7.077E-04	Pulse	0.10	3
Pb	208	209	1	184.121	ug/l	0.63	3,951,547.28	7.116E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,603,924.68	1.46	75.0	Analog	0.10	3
1	Sc	45	2,886,670.06	0.06	79.7	Analog	0.10	3
2	Sc	45	138,802.61	1.23	78.9	Pulse	0.10	3
3	Sc	45	306,266.43	1.47	83.3	Pulse	0.10	3
1	Ge	72	630,861.85	0.96	82.4	Pulse	0.10	3
2	Ge	72	96,693.04	1.73	84.1	Pulse	0.10	3
3	Ge	72	161,450.52	1.51	87.2	Pulse	0.10	3
1	Rh	103	4,752,636.70	0.41	86.9	Analog	0.10	3
2	Rh	103	2,755,537.36	0.21	86.7	Analog	0.10	3
1	In	115	5,471,969.84	0.41	91.6	Analog	0.10	3
2	In	115	1,185,472.45	0.49	84.9	Pulse	0.10	3
1	Tb	159	9,516,546.31	0.53	98.5	Analog	0.10	3
2	Tb	159	5,253,997.42	0.30	94.8	Analog	0.10	3
1	Ho	165	9,259,990.07	0.33	99.4	Analog	0.10	3
2	Ho	165	5,235,886.90	0.67	95.8	Analog	0.10	3
1	Bi	209	5,553,380.96	1.28	97.2	Analog	0.10	3
2	Bi	209	3,627,722.45	0.11	93.8	Analog	0.10	3

Quantitation Report

File Name	087SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 4:34
Sample Name	C25285-19
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.389	ug/l	6.12	585.35	3.616E-04	Pulse	0.25	3
B	11	6	1	63.574	ug/l	2.24	85,214.50	5.263E-02	Pulse	0.15	3
Na	23	45	1	19683.293	ug/l	0.73	115,068,871.62	3.946E+01	Analog	0.10	3
Na	23	45	2	20583.926	ug/l	0.92	4,257,614.83	3.070E+01	Analog	0.20	3
Mg	24	45	1	4775.624	ug/l	1.20	18,580,688.89	6.371E+00	Analog	0.10	3
Mg	24	45	2	4703.637	ug/l	0.85	493,861.70	3.561E+00	Pulse	0.20	3
Al	27	45	1	12298.254	ug/l	0.82	63,264,179.06	2.169E+01	Analog	0.10	3
Al	27	45	2	12109.040	ug/l	0.93	458,035.74	3.303E+00	Pulse	0.20	3
K	39	45	1	6139.812	ug/l	0.79	43,448,752.69	1.490E+01	Analog	0.10	3
K	39	45	2	5949.327	ug/l	1.15	589,360.45	4.250E+00	Pulse	0.20	3
Ca	43	45	1	30721.631	ug/l	0.83	433,484.66	1.486E-01	Pulse	1.50	3
Ca	43	45	2	32016.416	ug/l	1.72	9,867.36	7.115E-02	Pulse	1.50	3
Ca	44	45	1	31238.897	ug/l	0.57	7,188,336.14	2.465E+00	Analog	0.10	3
Ca	44	45	2	31318.302	ug/l	0.61	170,854.30	1.232E+00	Pulse	0.20	3
Ti	47	45	1	723.737	ug/l	1.84	492,081.31	1.687E-01	Pulse	0.10	3
Ti	47	45	2	719.395	ug/l	0.30	29,379.68	2.118E-01	Pulse	0.20	3
V	51	45	2	38.957	ug/l	2.63	48,340.78	3.485E-01	Pulse	0.20	3
Cr	52	45	2	160.302	ug/l	1.12	258,086.02	1.861E+00	Pulse	0.20	3
Mn	55	45	2	417.422	ug/l	0.91	364,037.96	2.625E+00	Pulse	0.20	3
Fe	56	45	2	25552.898	ug/l	0.80	31,455,709.53	2.268E+02	Analog	0.20	3
Co	59	45	2	11.773	ug/l	1.54	29,767.31	2.147E-01	Pulse	0.20	3
Ni	60	45	2	63.278	ug/l	1.51	42,493.48	3.064E-01	Pulse	0.20	3
Cu	63	45	2	105.472	ug/l	1.64	189,656.25	1.368E+00	Pulse	0.20	3
Cu	65	45	2	106.044	ug/l	1.15	93,989.35	6.777E-01	Pulse	0.20	3
Zn	66	45	2	1619.493	ug/l	0.93	487,673.64	3.517E+00	Pulse	0.20	3
As	75	45	2	6.111	ug/l	4.27	1,153.39	8.317E-03	Pulse	0.50	3
Se	78	45	2	0.803	ug/l	61.89	25.67	1.849E-04	Pulse	1.00	3
Se	78	45	3	0.382	ug/l	36.15	26.67	8.717E-05	Pulse	1.00	3
Sr	88	45	1	110.107	ug/l	0.31	1,742,770.44	5.976E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	4.519	ug/l	2.90	13,322.69	2.827E-03	Pulse	0.10	3
Ag	107	115	1	0.295	ug/l	3.67	2,196.91	4.026E-04	Pulse	0.10	3
Cd	111	115	1	2.157	ug/l	4.40	3,539.12	6.486E-04	Pulse	0.25	3
Cd	111	115	2	2.153	ug/l	13.14	1,342.75	1.149E-03	Pulse	0.25	3
Sn	117	115	1	11.289	ug/l	3.14	17,884.11	3.278E-03	Pulse	0.10	3
Sn	118	115	1	10.974	ug/l	1.54	56,418.98	1.034E-02	Pulse	0.10	3
Sn	118	115	2	11.325	ug/l	3.00	16,042.07	1.372E-02	Pulse	0.10	3
Sn	119	115	1	11.261	ug/l	0.26	21,051.43	3.858E-03	Pulse	0.10	3
Sb	121	159	1	1.822	ug/l	4.07	11,991.72	1.282E-03	Pulse	0.10	3
Ba	137	159	1	210.669	ug/l	0.27	573,823.63	6.135E-02	Pulse	0.10	3
Tl	205	209	1	0.144	ug/l	2.17	3,663.94	6.722E-04	Pulse	0.10	3
Pb	208	209	1	109.168	ug/l	0.20	2,299,860.74	4.220E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,619,610.02	1.48	75.7	Analog	0.10	3
1	Sc	45	2,916,326.10	0.15	80.5	Analog	0.10	3
2	Sc	45	138,688.35	0.93	78.9	Pulse	0.10	3
3	Sc	45	305,695.38	0.31	83.2	Pulse	0.10	3
1	Ge	72	634,907.09	0.80	82.9	Pulse	0.10	3
2	Ge	72	95,043.47	1.17	82.7	Pulse	0.10	3
3	Ge	72	158,882.67	0.76	85.9	Pulse	0.10	3
1	Rh	103	4,712,301.49	0.47	86.1	Analog	0.10	3
2	Rh	103	2,714,435.90	0.22	85.4	Analog	0.10	3
1	In	115	5,456,612.34	1.02	91.3	Analog	0.10	3
2	In	115	1,168,935.13	0.27	83.7	Pulse	0.10	3
1	Tb	159	9,352,722.78	0.58	96.8	Analog	0.10	3
2	Tb	159	5,224,564.82	0.27	94.3	Analog	0.10	3
1	Ho	165	9,088,441.74	0.40	97.6	Analog	0.10	3
2	Ho	165	5,210,957.01	0.84	95.4	Analog	0.10	3
1	Bi	209	5,450,373.04	0.54	95.4	Analog	0.10	3
2	Bi	209	3,574,379.01	0.14	92.4	Analog	0.10	3

Quantitation Report

File Name	088SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 4:39
Sample Name	C25285-20
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.073	ug/l	16.68	128.00	7.890E-05	Pulse	0.25	3
B	11	6	1	56.697	ug/l	1.60	76,375.90	4.706E-02	Pulse	0.15	3
Na	23	45	1	815.910	ug/l	2.04	4,821,679.10	1.681E+00	Analog	0.10	3
Na	23	45	2	815.233	ug/l	0.12	174,053.52	1.253E+00	Pulse	0.20	3
Mg	24	45	1	92.081	ug/l	0.38	354,100.33	1.234E-01	Pulse	0.10	3
Mg	24	45	2	93.498	ug/l	2.09	9,893.06	7.121E-02	Pulse	0.20	3
Al	27	45	1	42.043	ug/l	2.24	216,769.31	7.554E-02	Pulse	0.10	3
Al	27	45	2	39.300	ug/l	2.42	1,511.77	1.088E-02	Pulse	0.20	3
K	39	45	1	50.372	ug/l	7.05	1,147,764.88	4.001E-01	Pulse	0.10	3
K	39	45	2	61.018	ug/l	4.30	11,399.10	8.205E-02	Pulse	0.20	3
Ca	43	45	1	3316.280	ug/l	1.21	46,122.59	1.608E-02	Pulse	1.50	3
Ca	43	45	2	3477.920	ug/l	1.99	1,075.37	7.740E-03	Pulse	1.50	3
Ca	44	45	1	3332.896	ug/l	0.56	756,973.04	2.638E-01	Pulse	0.10	3
Ca	44	45	2	3279.364	ug/l	0.86	17,951.66	1.292E-01	Pulse	0.20	3
Ti	47	45	1	0.503	ug/l	19.72	393.36	1.369E-04	Pulse	0.10	3
Ti	47	45	2	0.596	ug/l	58.98	28.33	2.038E-04	Pulse	0.20	3
V	51	45	2	1.545	ug/l	2.59	2,155.18	1.551E-02	Pulse	0.20	3
Cr	52	45	2	2.757	ug/l	4.13	5,325.96	3.834E-02	Pulse	0.20	3
Mn	55	45	2	2.106	ug/l	3.05	1,890.15	1.360E-02	Pulse	0.20	3
Fe	56	45	2	55.773	ug/l	2.41	71,018.84	5.111E-01	Pulse	0.20	3
Co	59	45	2	0.088	ug/l	15.77	236.67	1.702E-03	Pulse	0.20	3
Ni	60	45	2	1.840	ug/l	9.72	1,405.09	1.011E-02	Pulse	0.20	3
Cu	63	45	2	5.404	ug/l	4.26	9,931.52	7.146E-02	Pulse	0.20	3
Cu	65	45	2	5.494	ug/l	0.45	4,972.51	3.579E-02	Pulse	0.20	3
Zn	66	45	2	16.464	ug/l	4.33	5,200.93	3.744E-02	Pulse	0.20	3
As	75	45	2	0.201	ug/l	29.48	47.33	3.408E-04	Pulse	0.50	3
Se	78	45	2	-0.120	ug/l	-130.38	10.33	7.445E-05	Pulse	1.00	3
Se	78	45	3	0.075	ug/l	74.66	6.67	2.212E-05	Pulse	1.00	3
Sr	88	45	1	4.083	ug/l	0.55	64,038.21	2.232E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.530	ug/l	7.94	1,703.50	3.490E-04	Pulse	0.10	3
Ag	107	115	1	0.000	ug/l	-1140.32	116.67	2.075E-05	Pulse	0.10	3
Cd	111	115	1	0.009	ug/l	70.19	40.00	7.100E-06	Pulse	0.25	3
Cd	111	115	2	-0.003	ug/l	-395.39	4.00	3.336E-06	Pulse	0.25	3
Sn	117	115	1	0.391	ug/l	13.74	790.05	1.404E-04	Pulse	0.10	3
Sn	118	115	1	0.388	ug/l	4.78	2,503.64	4.448E-04	Pulse	0.10	3
Sn	118	115	2	0.346	ug/l	14.85	663.38	5.487E-04	Pulse	0.10	3
Sn	119	115	1	0.424	ug/l	14.02	1,063.40	1.889E-04	Pulse	0.10	3
Sb	121	159	1	-0.052	ug/l	-61.26	1,596.82	1.648E-04	Pulse	0.10	3
Ba	137	159	1	0.817	ug/l	7.04	3,077.13	3.177E-04	Pulse	0.10	3
Tl	205	209	1	0.007	ug/l	72.55	1,616.82	2.847E-04	Pulse	0.10	3
Pb	208	209	1	0.193	ug/l	2.71	4,967.19	8.744E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,622,746.08	0.59	75.9	Analog	0.10	3
1	Sc	45	2,869,131.52	1.12	79.2	Analog	0.10	3
2	Sc	45	138,951.00	0.85	79.0	Pulse	0.10	3
3	Sc	45	302,304.37	0.81	82.2	Pulse	0.10	3
1	Ge	72	654,032.00	0.56	85.4	Pulse	0.10	3
2	Ge	72	96,981.37	1.59	84.4	Pulse	0.10	3
3	Ge	72	162,655.26	0.17	87.9	Pulse	0.10	3
1	Rh	103	4,880,051.18	0.49	89.2	Analog	0.10	3
2	Rh	103	2,826,535.48	0.31	89.0	Analog	0.10	3
1	In	115	5,627,869.04	0.69	94.2	Analog	0.10	3
2	In	115	1,209,367.52	1.06	86.6	Pulse	0.10	3
1	Tb	159	9,687,603.40	0.57	100.3	Analog	0.10	3
2	Tb	159	5,330,259.30	1.16	96.2	Analog	0.10	3
1	Ho	165	9,329,606.53	0.51	100.2	Analog	0.10	3
2	Ho	165	5,319,352.22	0.42	97.3	Analog	0.10	3
1	Bi	209	5,680,755.75	0.71	99.4	Analog	0.10	3
2	Bi	209	3,768,045.88	0.44	97.4	Analog	0.10	3

Quantitation Report

File Name	089SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 4:44
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	48.181	ug/l	1.53	146,418.53	8.631E-02	Pulse	0.25	3
B	11	6	1	50.361	ug/l	1.33	140,232.99	8.266E-02	Pulse	0.15	3
Na	23	45	1	4657.976	ug/l	2.89	57,114,307.48	1.870E+01	Analog	0.10	3
Na	23	45	2	4932.083	ug/l	0.82	2,129,613.82	1.473E+01	Analog	0.20	3
Mg	24	45	1	4720.874	ug/l	2.59	38,473,351.92	1.260E+01	Analog	0.10	3
Mg	24	45	2	4714.192	ug/l	1.59	1,031,751.03	7.138E+00	Pulse	0.20	3
Al	27	45	1	4730.778	ug/l	2.96	50,975,539.24	1.669E+01	Analog	0.10	3
Al	27	45	2	4705.914	ug/l	1.46	371,079.10	2.567E+00	Pulse	0.20	3
K	39	45	1	4941.595	ug/l	2.95	72,726,577.25	2.381E+01	Analog	0.10	3
K	39	45	2	4818.059	ug/l	0.84	991,532.82	6.859E+00	Pulse	0.20	3
Ca	43	45	1	4925.009	ug/l	2.40	145,644.31	4.768E-02	Pulse	1.50	3
Ca	43	45	2	5279.828	ug/l	2.06	3,393.24	2.347E-02	Pulse	1.50	3
Ca	44	45	1	4971.200	ug/l	2.91	2,398,096.42	7.852E-01	Analog	0.10	3
Ca	44	45	2	5039.441	ug/l	1.15	57,333.54	3.966E-01	Pulse	0.20	3
Ti	47	45	1	46.729	ug/l	1.93	66,611.55	2.181E-02	Pulse	0.10	3
Ti	47	45	2	46.268	ug/l	2.93	3,942.21	2.727E-02	Pulse	0.20	3
V	51	45	2	49.516	ug/l	1.61	127,676.87	8.833E-01	Pulse	0.20	3
Cr	52	45	2	48.786	ug/l	1.00	164,106.28	1.135E+00	Pulse	0.20	3
Mn	55	45	2	48.475	ug/l	1.05	88,172.25	6.100E-01	Pulse	0.20	3
Fe	56	45	2	5140.307	ug/l	1.20	13,192,781.47	9.127E+01	Analog	0.20	3
Co	59	45	2	48.268	ug/l	1.11	254,341.83	1.759E+00	Pulse	0.20	3
Ni	60	45	2	47.993	ug/l	1.66	67,097.95	4.642E-01	Pulse	0.20	3
Cu	63	45	2	48.244	ug/l	0.38	180,881.64	1.251E+00	Pulse	0.20	3
Cu	65	45	2	48.185	ug/l	0.76	89,043.73	6.160E-01	Pulse	0.20	3
Zn	66	45	2	48.250	ug/l	0.63	30,521.99	2.111E-01	Pulse	0.20	3
As	75	45	2	50.000	ug/l	0.82	19,521.09	1.350E-01	Pulse	0.50	3
Se	78	45	2	49.220	ug/l	3.10	1,717.10	1.188E-02	Pulse	1.00	3
Se	78	45	3	48.717	ug/l	2.35	6,519.33	2.060E-02	Pulse	1.00	3
Sr	88	45	1	52.426	ug/l	1.72	1,738,398.41	5.691E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	47.965	ug/l	2.44	293,403.59	5.963E-02	Pulse	0.10	3
Ag	107	115	1	45.201	ug/l	1.53	662,001.81	1.170E-01	Pulse	0.10	3
Cd	111	115	1	46.915	ug/l	1.20	158,517.31	2.803E-02	Pulse	0.25	3
Cd	111	115	2	47.621	ug/l	1.03	61,872.21	5.062E-02	Pulse	0.25	3
Sn	117	115	1	47.955	ug/l	3.20	156,306.71	2.764E-02	Pulse	0.10	3
Sn	118	115	1	47.667	ug/l	1.58	504,421.92	8.919E-02	Pulse	0.10	3
Sn	118	115	2	48.584	ug/l	1.31	142,699.69	1.167E-01	Pulse	0.10	3
Sn	119	115	1	47.702	ug/l	2.53	182,949.52	3.235E-02	Pulse	0.10	3
Sb	121	159	1	51.921	ug/l	2.15	598,476.54	6.213E-02	Pulse	0.10	3
Ba	137	159	1	47.099	ug/l	2.56	264,655.01	2.748E-02	Pulse	0.10	3
Tl	205	209	1	45.510	ug/l	2.72	1,432,598.68	2.565E-01	Analog	0.10	3
Pb	208	209	1	48.464	ug/l	2.16	2,092,833.22	3.747E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,696,554.90	0.54	79.3	Analog	0.10	3
1	Sc	45	3,055,432.04	1.91	84.4	Analog	0.10	3
2	Sc	45	144,560.73	0.63	82.2	Pulse	0.10	3
3	Sc	45	316,478.00	1.02	86.1	Pulse	0.10	3
1	Ge	72	657,899.18	1.59	85.9	Pulse	0.10	3
2	Ge	72	96,585.74	0.78	84.0	Pulse	0.10	3
3	Ge	72	162,687.51	1.36	87.9	Pulse	0.10	3
1	Rh	103	4,921,926.39	2.06	90.0	Analog	0.10	3
2	Rh	103	2,838,434.85	0.09	89.3	Analog	0.10	3
1	In	115	5,656,726.76	1.50	94.7	Analog	0.10	3
2	In	115	1,222,456.23	1.12	87.5	Pulse	0.10	3
1	Tb	159	9,634,583.19	1.81	99.7	Analog	0.10	3
2	Tb	159	5,297,947.63	0.87	95.6	Analog	0.10	3
1	Ho	165	9,279,449.65	1.90	99.6	Analog	0.10	3
2	Ho	165	5,262,343.67	0.22	96.3	Analog	0.10	3
1	Bi	209	5,587,051.79	1.56	97.8	Analog	0.10	3
2	Bi	209	3,617,615.47	0.46	93.6	Analog	0.10	3

Quantitation Report

File Name	090SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 4:50
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.004	ug/l	-35.84	12.00	6.741E-06	Pulse	0.25	3
B	11	6	1	1.830	ug/l	1.38	7,459.57	4.184E-03	Pulse	0.15	3
Na	23	45	1	-1.653	ug/l	-6.70	127,827.66	4.046E-02	Pulse	0.10	3
Na	23	45	2	-1.032	ug/l	-6.10	5,405.97	3.516E-02	Pulse	0.20	3
Mg	24	45	1	0.039	ug/l	45.77	2,173.58	6.881E-04	Pulse	0.10	3
Mg	24	45	2	0.052	ug/l	207.19	78.33	5.088E-04	Pulse	0.20	3
Al	27	45	1	0.027	ug/l	109.20	4,677.51	1.480E-03	Pulse	0.10	3
Al	27	45	2	0.121	ug/l	126.59	35.00	2.271E-04	Pulse	0.20	3
K	39	45	1	-4.143	ug/l	-11.06	822,873.76	2.604E-01	Pulse	0.10	3
K	39	45	2	0.354	ug/l	187.36	6,051.22	3.936E-02	Pulse	0.20	3
Ca	43	45	1	-0.815	ug/l	-26.89	86.22	2.729E-05	Pulse	1.50	3
Ca	43	45	2	-0.880	ug/l	-193.33	1.34	8.713E-06	Pulse	1.50	3
Ca	44	45	1	-2.398	ug/l	-14.47	1,850.18	5.855E-04	Pulse	0.10	3
Ca	44	45	2	-0.860	ug/l	-74.52	21.67	1.410E-04	Pulse	0.20	3
Ti	47	45	1	0.026	ug/l	115.39	100.00	3.164E-05	Pulse	0.10	3
Ti	47	45	2	-0.011	ug/l	-572.85	3.33	2.178E-05	Pulse	0.20	3
V	51	45	2	0.053	ug/l	26.42	416.68	2.709E-03	Pulse	0.20	3
Cr	52	45	2	-0.005	ug/l	-351.08	971.71	6.322E-03	Pulse	0.20	3
Mn	55	45	2	-0.007	ug/l	-150.88	41.67	2.712E-04	Pulse	0.20	3
Fe	56	45	2	0.341	ug/l	26.95	3,407.07	2.217E-02	Pulse	0.20	3
Co	59	45	2	-0.002	ug/l	-57.98	5.00	3.272E-05	Pulse	0.20	3
Ni	60	45	2	-0.008	ug/l	-236.04	178.34	1.159E-03	Pulse	0.20	3
Cu	63	45	2	-0.021	ug/l	-11.16	141.67	9.211E-04	Pulse	0.20	3
Cu	65	45	2	-0.023	ug/l	-31.68	63.33	4.113E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.090	ug/l	-119.28	201.67	1.315E-03	Pulse	0.20	3
As	75	45	2	0.002	ug/l	979.87	11.33	7.352E-05	Pulse	0.50	3
Se	78	45	2	-0.135	ug/l	-80.56	8.67	5.631E-05	Pulse	1.00	3
Se	78	45	3	0.014	ug/l	228.80	4.00	1.212E-05	Pulse	1.00	3
Sr	88	45	1	0.000	ug/l	-1673.24	526.70	1.666E-04	Pulse	0.10	3
Mo	95	103	1	0.036	ug/l	8.16	333.35	6.423E-05	Pulse	0.10	3
Ag	107	115	1	-0.001	ug/l	-225.86	113.34	1.948E-05	Pulse	0.10	3
Cd	111	115	1	0.001	ug/l	178.57	30.67	5.268E-06	Pulse	0.25	3
Cd	111	115	2	-0.002	ug/l	-182.74	4.00	3.099E-06	Pulse	0.25	3
Sn	117	115	1	0.064	ug/l	46.53	376.69	6.470E-05	Pulse	0.10	3
Sn	118	115	1	0.074	ug/l	16.51	1,286.78	2.211E-04	Pulse	0.10	3
Sn	118	115	2	0.097	ug/l	20.39	476.70	3.674E-04	Pulse	0.10	3
Sn	119	115	1	0.070	ug/l	21.39	540.03	9.281E-05	Pulse	0.10	3
Sb	121	159	1	-0.033	ug/l	-26.05	1,506.81	1.565E-04	Pulse	0.10	3
Ba	137	159	1	0.006	ug/l	290.32	803.39	8.347E-05	Pulse	0.10	3
Tl	205	209	1	0.251	ug/l	1.92	9,553.43	1.678E-03	Pulse	0.10	3
Pb	208	209	1	0.004	ug/l	42.96	900.05	1.581E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,783,021.69	0.76	83.4	Analog	0.10	3
1	Sc	45	3,159,623.08	0.43	87.2	Analog	0.10	3
2	Sc	45	153,748.06	1.00	87.4	Pulse	0.10	3
3	Sc	45	330,020.65	0.19	89.8	Pulse	0.10	3
1	Ge	72	682,456.29	1.19	89.1	Pulse	0.10	3
2	Ge	72	102,943.96	1.90	89.6	Pulse	0.10	3
3	Ge	72	170,804.49	0.96	92.3	Pulse	0.10	3
1	Rh	103	5,189,159.92	0.73	94.8	Analog	0.10	3
2	Rh	103	3,019,084.95	1.21	95.0	Analog	0.10	3
1	In	115	5,818,486.90	0.41	97.4	Analog	0.10	3
2	In	115	1,296,847.03	0.70	92.8	Pulse	0.10	3
1	Tb	159	9,625,723.40	0.24	99.6	Analog	0.10	3
2	Tb	159	5,410,536.79	0.14	97.6	Analog	0.10	3
1	Ho	165	9,272,172.57	0.41	99.5	Analog	0.10	3
2	Ho	165	5,343,083.46	0.92	97.8	Analog	0.10	3
1	Bi	209	5,692,763.46	0.36	99.6	Analog	0.10	3
2	Bi	209	3,789,567.86	0.39	98.0	Analog	0.10	3

Quantitation Report

File Name	091SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 4:55
Sample Name	mp68812-mb1 2
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.010	ug/l	-145.44	17.33	9.394E-06	Pulse	0.25	3
B	11	6	1	7.449	ug/l	17.78	6,694.08	3.634E-03	Pulse	0.15	3
Na	23	45	1	0.570	ug/l	49.41	154,365.29	4.753E-02	Pulse	0.10	3
Na	23	45	2	1.564	ug/l	84.73	6,187.91	3.917E-02	Pulse	0.20	3
Mg	24	45	1	1.871	ug/l	10.31	5,141.03	1.583E-03	Pulse	0.10	3
Mg	24	45	2	2.411	ug/l	27.55	183.34	1.160E-03	Pulse	0.20	3
Al	27	45	1	8.364	ug/l	2.38	23,664.31	7.287E-03	Pulse	0.10	3
Al	27	45	2	7.702	ug/l	28.71	158.34	1.001E-03	Pulse	0.20	3
K	39	45	1	-7.312	ug/l	-13.13	887,292.41	2.732E-01	Pulse	0.10	3
K	39	45	2	9.086	ug/l	18.36	6,544.73	4.143E-02	Pulse	0.20	3
Ca	43	45	1	4.521	ug/l	50.03	142.67	4.392E-05	Pulse	1.50	3
Ca	43	45	2	9.534	ug/l	198.39	3.33	2.110E-05	Pulse	1.50	3
Ca	44	45	1	-1.495	ug/l	-161.74	2,977.06	9.166E-04	Pulse	0.10	3
Ca	44	45	2	-1.211	ug/l	-720.96	30.00	1.897E-04	Pulse	0.20	3
Ti	47	45	1	0.328	ug/l	12.02	163.34	5.030E-05	Pulse	0.10	3
Ti	47	45	2	0.295	ug/l	181.64	10.00	6.312E-05	Pulse	0.20	3
V	51	45	2	0.093	ug/l	9.88	330.01	2.089E-03	Pulse	0.20	3
Cr	52	45	2	1.517	ug/l	9.25	2,126.84	1.346E-02	Pulse	0.20	3
Mn	55	45	2	0.011	ug/l	542.15	61.67	3.901E-04	Pulse	0.20	3
Fe	56	45	2	12.453	ug/l	5.84	9,528.02	6.032E-02	Pulse	0.20	3
Co	59	45	2	0.036	ug/l	77.03	55.00	3.489E-04	Pulse	0.20	3
Ni	60	45	2	-0.007	ug/l	-2476.29	193.34	1.224E-03	Pulse	0.20	3
Cu	63	45	2	0.053	ug/l	80.34	275.01	1.740E-03	Pulse	0.20	3
Cu	65	45	2	0.036	ug/l	92.15	126.67	8.021E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.453	ug/l	74.40	331.68	2.099E-03	Pulse	0.20	3
As	75	45	2	0.059	ug/l	38.16	16.00	1.012E-04	Pulse	0.50	3
Se	78	45	2	-0.091	ug/l	-213.94	13.33	8.438E-05	Pulse	1.00	3
Se	78	45	3	0.079	ug/l	24.91	4.33	1.307E-05	Pulse	1.00	3
Sr	88	45	1	0.007	ug/l	75.04	593.37	1.827E-04	Pulse	0.10	3
Mo	95	103	1	0.078	ug/l	21.37	203.34	3.890E-05	Pulse	0.10	3
Ag	107	115	1	0.006	ug/l	285.92	140.01	2.397E-05	Pulse	0.10	3
Cd	111	115	1	-0.016	ug/l	-41.26	14.67	2.521E-06	Pulse	0.25	3
Cd	111	115	2	-0.018	ug/l	-45.88	1.33	1.005E-06	Pulse	0.25	3
Sn	117	115	1	14.598	ug/l	1.52	9,950.14	1.709E-03	Pulse	0.10	3
Sn	118	115	1	14.140	ug/l	1.23	31,265.40	5.369E-03	Pulse	0.10	3
Sn	118	115	2	14.081	ug/l	6.15	9,106.30	6.893E-03	Pulse	0.10	3
Sn	119	115	1	14.413	ug/l	1.40	11,631.48	1.997E-03	Pulse	0.10	3
Sb	121	159	1	-0.260	ug/l	-26.28	1,273.44	1.337E-04	Pulse	0.10	3
Ba	137	159	1	0.234	ug/l	35.76	1,023.41	1.074E-04	Pulse	0.10	3
Tl	205	209	1	0.290	ug/l	7.15	3,370.53	5.931E-04	Pulse	0.10	3
Pb	208	209	1	0.013	ug/l	40.14	850.05	1.495E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,842,421.46	0.49	86.2	Analog	0.10	3
1	Sc	45	3,247,701.93	0.31	89.7	Analog	0.10	3
2	Sc	45	157,971.85	0.53	89.8	Pulse	0.10	3
3	Sc	45	331,501.27	0.56	90.2	Pulse	0.10	3
1	Ge	72	694,785.09	0.75	90.8	Pulse	0.10	3
2	Ge	72	106,752.14	0.80	92.9	Pulse	0.10	3
3	Ge	72	172,067.34	0.74	93.0	Pulse	0.10	3
1	Rh	103	5,229,414.82	0.46	95.6	Analog	0.10	3
2	Rh	103	3,059,372.66	0.52	96.3	Analog	0.10	3
1	In	115	5,822,911.57	1.35	97.4	Analog	0.10	3
2	In	115	1,321,334.42	0.50	94.6	Pulse	0.10	3
1	Tb	159	9,531,889.86	1.14	98.7	Analog	0.10	3
2	Tb	159	5,405,070.54	0.67	97.5	Analog	0.10	3
1	Ho	165	9,136,438.82	0.99	98.1	Analog	0.10	3
2	Ho	165	5,391,354.71	0.28	98.7	Analog	0.10	3
1	Bi	209	5,682,824.08	0.71	99.4	Analog	0.10	3
2	Bi	209	3,842,465.26	0.53	99.4	Analog	0.10	3

Quantitation Report

File Name	092SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 5:00
Sample Name	mp68812-b1 2
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	105.025	ug/l	2.31	14,003.21	7.537E-03	Pulse	0.25	3
B	11	6	1	31.637	ug/l	6.24	6,076.80	3.271E-03	Pulse	0.15	3
Na	23	45	1	12646.173	ug/l	0.40	6,854,839.48	2.073E+00	Analog	0.10	3
Na	23	45	2	12334.699	ug/l	1.69	240,150.62	1.508E+00	Pulse	0.20	3
Mg	24	45	1	13159.022	ug/l	0.66	4,646,573.78	1.405E+00	Analog	0.10	3
Mg	24	45	2	12605.556	ug/l	2.43	121,624.62	7.638E-01	Pulse	0.20	3
Al	27	45	1	57017.904	ug/l	0.21	26,613,973.77	8.047E+00	Analog	0.10	3
Al	27	45	2	55825.822	ug/l	2.48	193,967.44	1.218E+00	Pulse	0.20	3
K	39	45	1	13186.657	ug/l	0.48	9,233,436.32	2.792E+00	Analog	0.10	3
K	39	45	2	12443.251	ug/l	3.13	118,366.96	7.434E-01	Pulse	0.20	3
Ca	43	45	1	13260.473	ug/l	0.82	17,087.80	5.167E-03	Pulse	1.50	3
Ca	43	45	2	13377.277	ug/l	2.69	380.67	2.390E-03	Pulse	1.50	3
Ca	44	45	1	13127.039	ug/l	0.82	277,138.15	8.379E-02	Pulse	0.10	3
Ca	44	45	2	12595.660	ug/l	3.94	6,343.01	3.984E-02	Pulse	0.20	3
Ti	47	45	1	1.641	ug/l	38.61	166.67	5.032E-05	Pulse	0.10	3
Ti	47	45	2	1.890	ug/l	176.96	11.67	7.288E-05	Pulse	0.20	3
V	51	45	2	1067.114	ug/l	2.20	121,275.11	7.616E-01	Pulse	0.20	3
Cr	52	45	2	448.072	ug/l	1.14	67,062.03	4.211E-01	Pulse	0.20	3
Mn	55	45	2	1060.465	ug/l	2.21	84,995.61	5.338E-01	Pulse	0.20	3
Fe	56	45	2	58666.328	ug/l	2.00	6,635,623.65	4.167E+01	Analog	0.20	3
Co	59	45	2	1047.608	ug/l	2.58	243,213.40	1.528E+00	Pulse	0.20	3
Ni	60	45	2	1062.716	ug/l	2.23	65,484.84	4.113E-01	Pulse	0.20	3
Cu	63	45	2	533.554	ug/l	2.40	88,265.97	5.543E-01	Pulse	0.20	3
Cu	65	45	2	543.752	ug/l	2.11	44,336.82	2.784E-01	Pulse	0.20	3
Zn	66	45	2	1125.754	ug/l	2.25	31,393.68	1.972E-01	Pulse	0.20	3
As	75	45	2	4530.572	ug/l	1.93	77,905.27	4.893E-01	Pulse	0.50	3
Se	78	45	2	4651.719	ug/l	3.65	7,109.90	4.466E-02	Pulse	1.00	3
Se	78	45	3	4535.669	ug/l	1.53	24,873.26	7.670E-02	Pulse	1.00	3
Sr	88	45	1	0.774	ug/l	8.66	1,666.82	5.039E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.529	ug/l	29.57	236.68	4.577E-05	Pulse	0.10	3
Ag	107	115	1	109.067	ug/l	1.28	64,564.90	1.132E-02	Pulse	0.10	3
Cd	111	115	1	107.555	ug/l	3.24	14,691.00	2.574E-03	Pulse	0.25	3
Cd	111	115	2	108.002	ug/l	3.24	6,055.92	4.596E-03	Pulse	0.25	3
Sn	117	115	1	24.497	ug/l	8.41	3,380.51	5.921E-04	Pulse	0.10	3
Sn	118	115	1	25.747	ug/l	1.66	11,457.95	2.008E-03	Pulse	0.10	3
Sn	118	115	2	25.519	ug/l	5.43	3,403.82	2.584E-03	Pulse	0.10	3
Sn	119	115	1	25.668	ug/l	7.00	4,224.06	7.405E-04	Pulse	0.10	3
Sb	121	159	1	1227.160	ug/l	1.53	549,549.64	5.875E-02	Pulse	0.10	3
Ba	137	159	1	4266.163	ug/l	1.23	929,257.85	9.934E-02	Pulse	0.10	3
Tl	205	209	1	4019.701	ug/l	1.07	4,996,420.76	9.055E-01	Analog	0.10	3
Pb	208	209	1	1070.647	ug/l	0.77	1,826,926.92	3.311E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,857,687.02	0.59	86.9	Analog	0.10	3
1	Sc	45	3,307,307.87	0.99	91.3	Analog	0.10	3
2	Sc	45	159,254.17	1.20	90.6	Pulse	0.10	3
3	Sc	45	324,304.34	0.62	88.2	Pulse	0.10	3
1	Ge	72	697,402.88	0.38	91.1	Pulse	0.10	3
2	Ge	72	107,168.44	0.87	93.2	Pulse	0.10	3
3	Ge	72	167,233.22	0.82	90.4	Pulse	0.10	3
1	Rh	103	5,169,728.88	1.06	94.5	Analog	0.10	3
2	Rh	103	3,026,440.48	0.69	95.3	Analog	0.10	3
1	In	115	5,706,120.75	1.24	95.5	Analog	0.10	3
2	In	115	1,317,593.73	0.45	94.3	Mix	0.10	3
1	Tb	159	9,354,367.15	0.70	96.8	Analog	0.10	3
2	Tb	159	5,332,892.01	0.31	96.2	Analog	0.10	3
1	Ho	165	8,971,113.20	0.58	96.3	Analog	0.10	3
2	Ho	165	5,282,016.38	0.40	96.7	Analog	0.10	3
1	Bi	209	5,518,005.12	0.89	96.5	Analog	0.10	3
2	Bi	209	3,707,564.63	0.16	95.9	Analog	0.10	3

Quantitation Report

File Name	093SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 5:05
Sample Name	mp68812-s1
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	116.191	ug/l	3.57	15,303.00	8.337E-03	Pulse	0.25	3
B	11	6	1	32.321	ug/l	2.67	6,085.70	3.316E-03	Pulse	0.15	3
Na	23	45	1	13681.522	ug/l	1.44	7,305,562.60	2.239E+00	Analog	0.10	3
Na	23	45	2	12999.107	ug/l	2.92	247,067.92	1.587E+00	Pulse	0.20	3
Mg	24	45	1	25628.619	ug/l	0.95	8,928,182.16	2.736E+00	Analog	0.10	3
Mg	24	45	2	23932.586	ug/l	2.28	225,662.74	1.450E+00	Pulse	0.20	3
Al	27	45	1	120568.922	ug/l	0.89	55,527,890.84	1.701E+01	Analog	0.10	3
Al	27	45	2	115349.678	ug/l	2.47	391,772.80	2.517E+00	Pulse	0.20	3
K	39	45	1	26352.420	ug/l	0.93	17,295,570.57	5.300E+00	Analog	0.10	3
K	39	45	2	25363.239	ug/l	2.19	229,589.09	1.475E+00	Pulse	0.20	3
Ca	43	45	1	24828.173	ug/l	0.71	31,471.15	9.643E-03	Pulse	1.50	3
Ca	43	45	2	24897.861	ug/l	4.57	690.68	4.438E-03	Pulse	1.50	3
Ca	44	45	1	24531.734	ug/l	0.90	508,335.50	1.558E-01	Pulse	0.10	3
Ca	44	45	2	24723.234	ug/l	1.78	12,141.30	7.800E-02	Pulse	0.20	3
Ti	47	45	1	1056.903	ug/l	1.38	64,389.15	1.973E-02	Pulse	0.10	3
Ti	47	45	2	1015.961	ug/l	5.32	3,732.17	2.396E-02	Pulse	0.20	3
V	51	45	2	1171.330	ug/l	2.53	130,104.03	8.359E-01	Pulse	0.20	3
Cr	52	45	2	530.524	ug/l	3.14	77,423.43	4.974E-01	Pulse	0.20	3
Mn	55	45	2	1938.890	ug/l	3.03	151,859.94	9.757E-01	Pulse	0.20	3
Fe	56	45	2	114424.205	ug/l	2.23	12,649,569.81	8.127E+01	Analog	0.20	3
Co	59	45	2	1097.255	ug/l	2.05	249,037.55	1.600E+00	Pulse	0.20	3
Ni	60	45	2	1136.834	ug/l	0.61	68,485.74	4.399E-01	Pulse	0.20	3
Cu	63	45	2	591.462	ug/l	2.28	95,627.79	6.144E-01	Pulse	0.20	3
Cu	65	45	2	591.909	ug/l	2.89	47,167.85	3.030E-01	Pulse	0.20	3
Zn	66	45	2	1304.777	ug/l	3.05	35,523.90	2.282E-01	Pulse	0.20	3
As	75	45	2	4620.150	ug/l	1.90	77,666.77	4.989E-01	Pulse	0.50	3
Se	78	45	2	4741.759	ug/l	0.20	7,086.89	4.552E-02	Pulse	1.00	3
Se	78	45	3	4606.678	ug/l	0.77	24,863.26	7.790E-02	Pulse	1.00	3
Sr	88	45	1	75.406	ug/l	0.80	107,370.73	3.290E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.315	ug/l	50.24	176.68	3.517E-05	Pulse	0.10	3
Ag	107	115	1	111.645	ug/l	0.85	64,565.95	1.158E-02	Pulse	0.10	3
Cd	111	115	1	111.140	ug/l	2.68	14,824.46	2.660E-03	Pulse	0.25	3
Cd	111	115	2	110.199	ug/l	2.55	6,017.23	4.689E-03	Pulse	0.25	3
Sn	117	115	1	25.877	ug/l	1.68	3,477.18	6.239E-04	Pulse	0.10	3
Sn	118	115	1	26.160	ug/l	1.45	11,364.52	2.039E-03	Pulse	0.10	3
Sn	118	115	2	26.862	ug/l	5.82	3,480.53	2.713E-03	Pulse	0.10	3
Sn	119	115	1	27.118	ug/l	5.44	4,347.47	7.797E-04	Pulse	0.10	3
Sb	121	159	1	981.382	ug/l	1.56	429,289.19	4.702E-02	Pulse	0.10	3
Ba	137	159	1	4947.575	ug/l	1.20	1,051,690.27	1.152E-01	Pulse	0.10	3
Tl	205	209	1	4184.851	ug/l	0.58	5,093,917.01	9.427E-01	Analog	0.10	3
Pb	208	209	1	1150.754	ug/l	0.28	1,922,955.10	3.559E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,835,352.94	0.42	85.8	Analog	0.10	3
1	Sc	45	3,263,643.70	0.34	90.1	Analog	0.10	3
2	Sc	45	155,691.12	1.72	88.5	Pulse	0.10	3
3	Sc	45	319,169.28	0.78	86.8	Pulse	0.10	3
1	Ge	72	677,059.81	0.52	88.4	Pulse	0.10	3
2	Ge	72	103,806.49	0.74	90.3	Pulse	0.10	3
3	Ge	72	165,961.00	0.10	89.7	Pulse	0.10	3
1	Rh	103	5,020,354.40	0.62	91.8	Analog	0.10	3
2	Rh	103	2,943,016.41	0.36	92.6	Analog	0.10	3
1	In	115	5,574,263.31	1.37	93.3	Analog	0.10	3
2	In	115	1,283,170.89	0.23	91.9	Pulse	0.10	3
1	Tb	159	9,129,779.65	0.73	94.5	Analog	0.10	3
2	Tb	159	5,233,388.46	0.51	94.4	Analog	0.10	3
1	Ho	165	8,736,931.74	0.42	93.8	Analog	0.10	3
2	Ho	165	5,189,127.74	1.21	95.0	Analog	0.10	3
1	Bi	209	5,403,707.00	0.29	94.5	Analog	0.10	3
2	Bi	209	3,645,468.18	0.25	94.3	Analog	0.10	3

Quantitation Report

File Name	094SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 5:10
Sample Name	mp68812-s2
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	103.693	ug/l	2.71	13,765.66	7.442E-03	Pulse	0.25	3
B	11	6	1	29.479	ug/l	6.56	5,792.24	3.132E-03	Pulse	0.15	3
Na	23	45	1	12273.790	ug/l	0.48	6,553,714.49	2.013E+00	Analog	0.10	3
Na	23	45	2	11905.048	ug/l	1.43	226,347.41	1.457E+00	Pulse	0.20	3
Mg	24	45	1	20831.252	ug/l	0.23	7,239,621.14	2.224E+00	Analog	0.10	3
Mg	24	45	2	19997.312	ug/l	0.64	188,212.89	1.211E+00	Pulse	0.20	3
Al	27	45	1	99706.152	ug/l	0.26	45,809,117.65	1.407E+01	Analog	0.10	3
Al	27	45	2	97988.079	ug/l	0.47	332,190.67	2.138E+00	Pulse	0.20	3
K	39	45	1	22615.479	ug/l	0.29	14,936,269.36	4.588E+00	Analog	0.10	3
K	39	45	2	21882.961	ug/l	1.13	198,537.38	1.278E+00	Pulse	0.20	3
Ca	43	45	1	18988.660	ug/l	1.21	24,036.94	7.383E-03	Pulse	1.50	3
Ca	43	45	2	19410.361	ug/l	4.29	538.01	3.463E-03	Pulse	1.50	3
Ca	44	45	1	19118.059	ug/l	0.88	395,864.59	1.216E-01	Pulse	0.10	3
Ca	44	45	2	18847.107	ug/l	1.53	9,246.09	5.951E-02	Pulse	0.20	3
Ti	47	45	1	963.562	ug/l	1.23	58,567.82	1.799E-02	Pulse	0.10	3
Ti	47	45	2	956.361	ug/l	2.82	3,503.78	2.255E-02	Pulse	0.20	3
V	51	45	2	1067.315	ug/l	1.04	118,350.64	7.618E-01	Pulse	0.20	3
Cr	52	45	2	472.931	ug/l	2.17	68,998.43	4.441E-01	Pulse	0.20	3
Mn	55	45	2	2371.546	ug/l	1.06	185,386.89	1.193E+00	Pulse	0.20	3
Fe	56	45	2	106161.184	ug/l	0.41	11,713,861.08	7.540E+01	Analog	0.20	3
Co	59	45	2	1010.118	ug/l	0.86	228,826.54	1.473E+00	Pulse	0.20	3
Ni	60	45	2	1028.341	ug/l	0.33	61,835.89	3.980E-01	Pulse	0.20	3
Cu	63	45	2	528.692	ug/l	1.22	85,345.60	5.493E-01	Pulse	0.20	3
Cu	65	45	2	540.267	ug/l	1.10	42,981.53	2.767E-01	Pulse	0.20	3
Zn	66	45	2	1165.048	ug/l	1.33	31,690.89	2.040E-01	Pulse	0.20	3
As	75	45	2	4284.819	ug/l	0.84	71,888.46	4.627E-01	Pulse	0.50	3
Se	78	45	2	4475.480	ug/l	2.39	6,676.05	4.297E-02	Pulse	1.00	3
Se	78	45	3	4428.682	ug/l	1.51	23,662.82	7.489E-02	Pulse	1.00	3
Sr	88	45	1	53.103	ug/l	1.61	75,588.49	2.322E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.465	ug/l	18.14	213.34	4.261E-05	Pulse	0.10	3
Ag	107	115	1	105.006	ug/l	1.21	60,308.82	1.090E-02	Pulse	0.10	3
Cd	111	115	1	100.146	ug/l	1.13	13,268.40	2.397E-03	Pulse	0.25	3
Cd	111	115	2	99.812	ug/l	2.16	5,443.68	4.248E-03	Pulse	0.25	3
Sn	117	115	1	23.762	ug/l	2.85	3,183.78	5.752E-04	Pulse	0.10	3
Sn	118	115	1	24.678	ug/l	5.33	10,670.70	1.928E-03	Pulse	0.10	3
Sn	118	115	2	24.161	ug/l	2.99	3,143.78	2.453E-03	Pulse	0.10	3
Sn	119	115	1	24.725	ug/l	10.85	3,957.31	7.149E-04	Pulse	0.10	3
Sb	121	159	1	875.893	ug/l	0.18	377,274.06	4.199E-02	Pulse	0.10	3
Ba	137	159	1	4327.156	ug/l	0.21	905,339.44	1.008E-01	Pulse	0.10	3
Tl	205	209	1	3841.512	ug/l	2.08	4,631,390.35	8.654E-01	Analog	0.10	3
Pb	208	209	1	1060.030	ug/l	0.43	1,754,648.97	3.278E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,849,626.25	0.42	86.5	Analog	0.10	3
1	Sc	45	3,255,664.95	0.45	89.9	Analog	0.10	3
2	Sc	45	155,362.85	0.55	88.4	Pulse	0.10	3
3	Sc	45	315,960.71	0.61	86.0	Pulse	0.10	3
1	Ge	72	679,823.25	0.36	88.8	Pulse	0.10	3
2	Ge	72	104,759.16	1.64	91.2	Pulse	0.10	3
3	Ge	72	160,638.49	1.24	86.8	Pulse	0.10	3
1	Rh	103	5,007,566.18	0.51	91.5	Analog	0.10	3
2	Rh	103	2,945,136.31	0.89	92.7	Analog	0.10	3
1	In	115	5,535,401.99	0.16	92.6	Analog	0.10	3
2	In	115	1,281,712.94	1.27	91.8	Pulse	0.10	3
1	Tb	159	8,984,681.95	0.56	93.0	Analog	0.10	3
2	Tb	159	5,218,466.17	0.43	94.2	Analog	0.10	3
1	Ho	165	8,720,594.25	0.19	93.6	Analog	0.10	3
2	Ho	165	5,149,318.15	0.33	94.2	Analog	0.10	3
1	Bi	209	5,352,667.84	0.91	93.7	Analog	0.10	3
2	Bi	209	3,624,104.95	0.61	93.7	Analog	0.10	3

Quantitation Report

File Name	095SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 5:15
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.002	ug/l	-51.54	16.00	8.818E-06	Pulse	0.25	3
B	11	6	1	0.597	ug/l	1.46	3,976.13	2.191E-03	Pulse	0.15	3
Na	23	45	1	-2.684	ug/l	-2.81	117,092.44	3.633E-02	Pulse	0.10	3
Na	23	45	2	-2.315	ug/l	-16.60	4,824.11	3.134E-02	Pulse	0.20	3
Mg	24	45	1	-0.058	ug/l	-15.39	1,383.45	4.291E-04	Pulse	0.10	3
Mg	24	45	2	-0.041	ug/l	-244.60	56.67	3.677E-04	Pulse	0.20	3
Al	27	45	1	0.042	ug/l	21.94	4,944.26	1.534E-03	Pulse	0.10	3
Al	27	45	2	0.081	ug/l	304.05	31.67	2.053E-04	Pulse	0.20	3
K	39	45	1	-3.322	ug/l	-11.10	852,094.44	2.644E-01	Pulse	0.10	3
K	39	45	2	-0.995	ug/l	-47.73	5,764.43	3.745E-02	Pulse	0.20	3
Ca	43	45	1	-1.063	ug/l	-13.34	80.22	2.489E-05	Pulse	1.50	3
Ca	43	45	2	-0.243	ug/l	-833.77	1.78	1.154E-05	Pulse	1.50	3
Ca	44	45	1	-2.918	ug/l	-13.91	1,623.48	5.035E-04	Pulse	0.10	3
Ca	44	45	2	-0.310	ug/l	-280.78	28.33	1.843E-04	Pulse	0.20	3
Ti	47	45	1	-0.009	ug/l	-77.20	50.00	1.553E-05	Pulse	0.10	3
Ti	47	45	2	-0.030	ug/l	-106.01	1.67	1.077E-05	Pulse	0.20	3
V	51	45	2	0.041	ug/l	50.40	383.34	2.492E-03	Pulse	0.20	3
Cr	52	45	2	0.257	ug/l	5.16	1,908.48	1.240E-02	Pulse	0.20	3
Mn	55	45	2	-0.021	ug/l	-32.60	15.00	9.746E-05	Pulse	0.20	3
Fe	56	45	2	0.939	ug/l	2.43	5,044.21	3.277E-02	Pulse	0.20	3
Co	59	45	2	0.000	ug/l	785.35	15.00	9.753E-05	Pulse	0.20	3
Ni	60	45	2	-0.039	ug/l	-41.42	133.33	8.663E-04	Pulse	0.20	3
Cu	63	45	2	-0.021	ug/l	-30.77	143.33	9.318E-04	Pulse	0.20	3
Cu	65	45	2	-0.017	ug/l	-31.20	76.67	4.980E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.273	ug/l	-14.40	80.00	5.195E-04	Pulse	0.20	3
As	75	45	2	0.045	ug/l	11.57	29.33	1.905E-04	Pulse	0.50	3
Se	78	45	2	-0.108	ug/l	-38.51	9.67	6.281E-05	Pulse	1.00	3
Se	78	45	3	0.103	ug/l	30.94	16.00	5.006E-05	Pulse	1.00	3
Sr	88	45	1	0.000	ug/l	-421.97	523.36	1.624E-04	Pulse	0.10	3
Mo	95	103	1	-0.001	ug/l	-214.38	90.00	1.770E-05	Pulse	0.10	3
Ag	107	115	1	-0.001	ug/l	-247.84	106.67	1.893E-05	Pulse	0.10	3
Cd	111	115	1	-0.005	ug/l	-22.96	8.00	1.417E-06	Pulse	0.25	3
Cd	111	115	2	0.000	ug/l	1396.91	6.67	5.135E-06	Pulse	0.25	3
Sn	117	115	1	0.015	ug/l	63.62	206.68	3.671E-05	Pulse	0.10	3
Sn	118	115	1	0.012	ug/l	33.70	593.37	1.053E-04	Pulse	0.10	3
Sn	118	115	2	0.036	ug/l	39.84	286.68	2.208E-04	Pulse	0.10	3
Sn	119	115	1	0.051	ug/l	61.92	446.69	7.938E-05	Pulse	0.10	3
Sb	121	159	1	0.050	ug/l	41.52	2,346.94	2.560E-04	Pulse	0.10	3
Ba	137	159	1	0.056	ug/l	4.19	1,033.41	1.126E-04	Pulse	0.10	3
Tl	205	209	1	0.495	ug/l	6.73	16,546.56	3.053E-03	Pulse	0.10	3
Pb	208	209	1	0.002	ug/l	113.09	800.04	1.476E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,815,044.52	0.50	84.9	Analog	0.10	3
1	Sc	45	3,223,463.91	0.92	89.0	Analog	0.10	3
2	Sc	45	153,917.09	0.52	87.5	Pulse	0.10	3
3	Sc	45	319,471.19	0.21	86.9	Pulse	0.10	3
1	Ge	72	685,860.53	1.11	89.6	Pulse	0.10	3
2	Ge	72	105,205.56	1.30	91.5	Pulse	0.10	3
3	Ge	72	166,327.52	0.63	89.9	Pulse	0.10	3
1	Rh	103	5,079,180.44	0.60	92.8	Analog	0.10	3
2	Rh	103	2,989,403.19	0.75	94.1	Analog	0.10	3
1	In	115	5,632,865.15	0.61	94.3	Analog	0.10	3
2	In	115	1,298,132.55	0.04	92.9	Pulse	0.10	3
1	Tb	159	9,174,168.20	1.44	95.0	Analog	0.10	3
2	Tb	159	5,295,011.17	0.29	95.5	Analog	0.10	3
1	Ho	165	8,860,774.03	0.89	95.1	Analog	0.10	3
2	Ho	165	5,223,236.17	0.82	95.6	Analog	0.10	3
1	Bi	209	5,419,858.04	0.10	94.8	Analog	0.10	3
2	Bi	209	3,675,695.26	0.33	95.1	Analog	0.10	3

Quantitation Report

File Name	096SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 5:20
Sample Name	f99982-8
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	3.525	ug/l	3.48	2,298.86	1.276E-03	Pulse	0.25	3
B	11	6	1	4.423	ug/l	8.17	4,785.28	2.655E-03	Pulse	0.15	3
Na	23	45	1	353.368	ug/l	0.71	1,057,459.99	3.301E-01	Pulse	0.10	3
Na	23	45	2	341.821	ug/l	2.30	37,279.96	2.419E-01	Pulse	0.20	3
Mg	24	45	1	6316.122	ug/l	1.11	10,799,255.67	3.371E+00	Analog	0.10	3
Mg	24	45	2	6032.782	ug/l	1.39	281,574.74	1.827E+00	Pulse	0.20	3
Al	27	45	1	30020.999	ug/l	0.66	67,859,758.99	2.118E+01	Analog	0.10	3
Al	27	45	2	29431.330	ug/l	0.92	494,844.69	3.211E+00	Pulse	0.20	3
K	39	45	1	5649.840	ug/l	0.65	18,135,508.06	5.661E+00	Analog	0.10	3
K	39	45	2	5412.819	ug/l	0.71	242,161.83	1.571E+00	Pulse	0.20	3
Ca	43	45	1	7023.898	ug/l	0.65	43,651.37	1.363E-02	Pulse	1.50	3
Ca	43	45	2	7451.717	ug/l	3.32	1,022.48	6.635E-03	Pulse	1.50	3
Ca	44	45	1	6970.950	ug/l	1.15	707,651.81	2.209E-01	Pulse	0.10	3
Ca	44	45	2	7082.756	ug/l	3.26	17,200.79	1.116E-01	Pulse	0.20	3
Ti	47	45	1	785.738	ug/l	0.34	234,779.26	7.329E-02	Pulse	0.10	3
Ti	47	45	2	792.270	ug/l	1.60	14,383.08	9.333E-02	Pulse	0.20	3
V	51	45	2	61.552	ug/l	0.86	34,048.58	2.209E-01	Pulse	0.20	3
Cr	52	45	2	52.488	ug/l	1.53	38,428.23	2.493E-01	Pulse	0.20	3
Mn	55	45	2	706.517	ug/l	1.43	273,896.88	1.777E+00	Pulse	0.20	3
Fe	56	45	2	47219.668	ug/l	1.48	25,837,703.78	1.677E+02	Analog	0.20	3
Co	59	45	2	20.086	ug/l	1.79	22,580.79	1.465E-01	Pulse	0.20	3
Ni	60	45	2	41.776	ug/l	3.24	12,611.71	8.183E-02	Pulse	0.20	3
Cu	63	45	2	30.597	ug/l	1.03	24,657.05	1.600E-01	Pulse	0.20	3
Cu	65	45	2	30.372	ug/l	2.10	12,064.62	7.828E-02	Pulse	0.20	3
Zn	66	45	2	80.256	ug/l	5.85	10,995.56	7.138E-02	Pulse	0.20	3
As	75	45	2	7.109	ug/l	3.84	602.02	3.907E-03	Pulse	0.50	3
Se	78	45	2	3.837	ug/l	7.37	42.00	2.725E-04	Pulse	1.00	3
Se	78	45	3	0.985	ug/l	41.46	28.33	8.960E-05	Pulse	1.00	3
Sr	88	45	1	50.453	ug/l	0.88	351,338.07	1.097E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.977	ug/l	11.94	1,300.10	2.625E-04	Pulse	0.10	3
Ag	107	115	1	0.062	ug/l	7.69	293.34	5.340E-05	Pulse	0.10	3
Cd	111	115	1	0.062	ug/l	24.41	65.33	1.189E-05	Pulse	0.25	3
Cd	111	115	2	0.092	ug/l	52.19	30.67	2.440E-05	Pulse	0.25	3
Sn	117	115	1	28.859	ug/l	2.51	18,418.18	3.351E-03	Pulse	0.10	3
Sn	118	115	1	28.934	ug/l	0.58	59,895.17	1.090E-02	Pulse	0.10	3
Sn	118	115	2	28.649	ug/l	2.43	17,446.96	1.389E-02	Pulse	0.10	3
Sn	119	115	1	29.318	ug/l	1.52	22,069.61	4.016E-03	Pulse	0.10	3
Sb	121	159	1	0.267	ug/l	69.91	2,346.94	2.595E-04	Pulse	0.10	3
Ba	137	159	1	272.220	ug/l	0.53	287,317.71	3.175E-02	Pulse	0.10	3
Tl	205	209	1	1.080	ug/l	7.68	7,955.79	1.482E-03	Pulse	0.10	3
Pb	208	209	1	28.999	ug/l	1.55	241,276.03	4.495E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,802,258.60	1.16	84.3	Analog	0.10	3
1	Sc	45	3,203,638.80	0.24	88.5	Analog	0.10	3
2	Sc	45	154,125.06	1.44	87.7	Pulse	0.10	3
3	Sc	45	315,577.68	0.88	85.8	Pulse	0.10	3
1	Ge	72	669,773.40	0.39	87.5	Pulse	0.10	3
2	Ge	72	102,790.16	2.12	89.4	Pulse	0.10	3
3	Ge	72	161,467.03	1.71	87.3	Pulse	0.10	3
1	Rh	103	4,954,771.80	0.37	90.6	Analog	0.10	3
2	Rh	103	2,903,275.48	0.22	91.4	Analog	0.10	3
1	In	115	5,495,062.22	0.80	92.0	Analog	0.10	3
2	In	115	1,256,589.01	0.76	90.0	Pulse	0.10	3
1	Tb	159	9,049,568.41	0.68	93.7	Analog	0.10	3
2	Tb	159	5,189,665.24	0.58	93.6	Analog	0.10	3
1	Ho	165	8,707,261.33	0.35	93.5	Analog	0.10	3
2	Ho	165	5,163,022.01	0.52	94.5	Analog	0.10	3
1	Bi	209	5,367,704.71	0.36	93.9	Analog	0.10	3
2	Bi	209	3,613,287.13	0.56	93.4	Analog	0.10	3

Quantitation Report

File Name	097SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 5:25
Sample Name	f99982-2
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.996	ug/l	7.72	1,329.41	7.282E-04	Pulse	0.25	3
B	11	6	1	4.853	ug/l	4.69	5,103.12	2.795E-03	Pulse	0.15	3
Na	23	45	1	236.156	ug/l	1.45	760,113.63	2.362E-01	Pulse	0.10	3
Na	23	45	2	237.539	ug/l	1.32	27,477.90	1.798E-01	Pulse	0.20	3
Mg	24	45	1	5693.548	ug/l	0.67	9,778,714.64	3.039E+00	Analog	0.10	3
Mg	24	45	2	5486.986	ug/l	1.89	253,977.26	1.662E+00	Pulse	0.20	3
Al	27	45	1	25506.422	ug/l	0.42	57,915,854.14	1.800E+01	Analog	0.10	3
Al	27	45	2	25153.794	ug/l	1.41	419,428.21	2.744E+00	Pulse	0.20	3
K	39	45	1	4820.671	ug/l	1.04	15,675,843.10	4.871E+00	Analog	0.10	3
K	39	45	2	4660.168	ug/l	1.58	207,583.65	1.358E+00	Pulse	0.20	3
Ca	43	45	1	4693.613	ug/l	0.53	29,338.66	9.117E-03	Pulse	1.50	3
Ca	43	45	2	5093.583	ug/l	4.42	693.80	4.539E-03	Pulse	1.50	3
Ca	44	45	1	4727.541	ug/l	0.44	483,092.69	1.501E-01	Pulse	0.10	3
Ca	44	45	2	4896.859	ug/l	2.26	11,806.05	7.725E-02	Pulse	0.20	3
Ti	47	45	1	1048.239	ug/l	1.20	314,611.67	9.776E-02	Pulse	0.10	3
Ti	47	45	2	1062.162	ug/l	3.94	19,116.47	1.251E-01	Pulse	0.20	3
V	51	45	2	64.207	ug/l	1.29	35,214.28	2.304E-01	Pulse	0.20	3
Cr	52	45	2	62.935	ug/l	0.87	45,504.31	2.977E-01	Pulse	0.20	3
Mn	55	45	2	619.243	ug/l	0.74	238,114.01	1.558E+00	Pulse	0.20	3
Fe	56	45	2	47695.510	ug/l	1.45	25,883,064.61	1.694E+02	Analog	0.20	3
Co	59	45	2	22.618	ug/l	1.46	25,214.47	1.650E-01	Pulse	0.20	3
Ni	60	45	2	39.597	ug/l	2.00	11,864.51	7.763E-02	Pulse	0.20	3
Cu	63	45	2	41.937	ug/l	1.50	33,432.63	2.187E-01	Pulse	0.20	3
Cu	65	45	2	42.122	ug/l	2.14	16,548.62	1.083E-01	Pulse	0.20	3
Zn	66	45	2	178.524	ug/l	1.32	23,947.81	1.567E-01	Pulse	0.20	3
As	75	45	2	8.830	ug/l	10.21	739.36	4.837E-03	Pulse	0.50	3
Se	78	45	2	3.106	ug/l	15.10	36.33	2.376E-04	Pulse	1.00	3
Se	78	45	3	0.806	ug/l	25.80	23.00	7.447E-05	Pulse	1.00	3
Sr	88	45	1	36.667	ug/l	1.78	256,643.55	7.975E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	2.295	ug/l	4.42	2,933.71	5.899E-04	Pulse	0.10	3
Ag	107	115	1	0.045	ug/l	65.15	243.34	4.419E-05	Pulse	0.10	3
Cd	111	115	1	0.251	ug/l	12.03	189.34	3.447E-05	Pulse	0.25	3
Cd	111	115	2	0.211	ug/l	52.34	62.67	4.955E-05	Pulse	0.25	3
Sn	117	115	1	77.744	ug/l	0.54	49,361.84	8.981E-03	Pulse	0.10	3
Sn	118	115	1	77.407	ug/l	1.02	159,490.83	2.902E-02	Pulse	0.10	3
Sn	118	115	2	76.017	ug/l	2.19	46,161.98	3.662E-02	Pulse	0.10	3
Sn	119	115	1	77.372	ug/l	1.09	57,837.10	1.052E-02	Pulse	0.10	3
Sb	121	159	1	0.778	ug/l	11.40	3,463.85	3.813E-04	Pulse	0.10	3
Ba	137	159	1	224.611	ug/l	0.88	238,125.79	2.621E-02	Pulse	0.10	3
Tl	205	209	1	0.729	ug/l	8.08	5,808.05	1.086E-03	Pulse	0.10	3
Pb	208	209	1	117.856	ug/l	0.72	974,612.94	1.823E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,826,083.56	1.10	85.4	Analog	0.10	3
1	Sc	45	3,218,152.45	0.62	88.9	Analog	0.10	3
2	Sc	45	152,865.33	1.99	86.9	Pulse	0.10	3
3	Sc	45	309,312.40	0.93	84.1	Pulse	0.10	3
1	Ge	72	673,501.14	0.54	88.0	Pulse	0.10	3
2	Ge	72	103,034.91	1.14	89.6	Pulse	0.10	3
3	Ge	72	161,752.11	0.93	87.4	Pulse	0.10	3
1	Rh	103	4,972,198.57	0.86	90.9	Analog	0.10	3
2	Rh	103	2,883,136.62	0.12	90.7	Analog	0.10	3
1	In	115	5,496,030.79	1.31	92.0	Analog	0.10	3
2	In	115	1,260,655.49	1.27	90.3	Pulse	0.10	3
1	Tb	159	9,085,308.82	0.90	94.0	Analog	0.10	3
2	Tb	159	5,191,654.30	0.49	93.7	Analog	0.10	3
1	Ho	165	8,722,023.62	0.68	93.6	Analog	0.10	3
2	Ho	165	5,124,074.72	0.47	93.8	Analog	0.10	3
1	Bi	209	5,346,503.46	0.38	93.5	Analog	0.10	3
2	Bi	209	3,606,602.55	0.07	93.3	Analog	0.10	3

Quantitation Report

File Name	098SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 5:30
Sample Name	f99982-4
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	2.034	ug/l	3.60	1,356.08	7.416E-04	Pulse	0.25	3
B	11	6	1	3.711	ug/l	4.44	4,434.04	2.425E-03	Pulse	0.15	3
Na	23	45	1	503.168	ug/l	0.93	1,456,128.52	4.501E-01	Analog	0.10	3
Na	23	45	2	484.329	ug/l	1.04	51,156.34	3.268E-01	Pulse	0.20	3
Mg	24	45	1	5793.532	ug/l	0.97	10,004,217.98	3.092E+00	Analog	0.10	3
Mg	24	45	2	5565.729	ug/l	1.73	263,845.87	1.686E+00	Pulse	0.20	3
Al	27	45	1	22579.424	ug/l	0.48	51,546,469.23	1.593E+01	Analog	0.10	3
Al	27	45	2	22249.618	ug/l	1.70	379,942.12	2.427E+00	Pulse	0.20	3
K	39	45	1	3317.524	ug/l	0.32	11,128,739.00	3.440E+00	Analog	0.10	3
K	39	45	2	3174.375	ug/l	2.19	146,744.09	9.376E-01	Pulse	0.20	3
Ca	43	45	1	6208.574	ug/l	0.44	38,979.70	1.205E-02	Pulse	1.50	3
Ca	43	45	2	6461.139	ug/l	2.59	900.69	5.755E-03	Pulse	1.50	3
Ca	44	45	1	6174.158	ug/l	0.81	633,349.73	1.958E-01	Pulse	0.10	3
Ca	44	45	2	6321.959	ug/l	2.61	15,599.22	9.967E-02	Pulse	0.20	3
Ti	47	45	1	975.637	ug/l	1.65	294,388.78	9.099E-02	Pulse	0.10	3
Ti	47	45	2	952.594	ug/l	4.31	17,564.58	1.122E-01	Pulse	0.20	3
V	51	45	2	54.579	ug/l	2.49	30,690.35	1.961E-01	Pulse	0.20	3
Cr	52	45	2	38.291	ug/l	1.98	28,743.48	1.836E-01	Pulse	0.20	3
Mn	55	45	2	563.723	ug/l	1.81	221,972.91	1.418E+00	Pulse	0.20	3
Fe	56	45	2	67638.952	ug/l	0.98	37,590,398.61	2.402E+02	Analog	0.20	3
Co	59	45	2	16.227	ug/l	2.92	18,529.01	1.184E-01	Pulse	0.20	3
Ni	60	45	2	29.476	ug/l	2.80	9,094.35	5.810E-02	Pulse	0.20	3
Cu	63	45	2	33.121	ug/l	1.62	27,089.29	1.731E-01	Pulse	0.20	3
Cu	65	45	2	32.334	ug/l	2.50	13,035.39	8.329E-02	Pulse	0.20	3
Zn	66	45	2	155.944	ug/l	0.60	21,457.62	1.371E-01	Pulse	0.20	3
As	75	45	2	7.996	ug/l	10.20	686.69	4.386E-03	Pulse	0.50	3
Se	78	45	2	4.148	ug/l	19.82	45.00	2.875E-04	Pulse	1.00	3
Se	78	45	3	0.627	ug/l	17.61	19.00	5.932E-05	Pulse	1.00	3
Sr	88	45	1	42.162	ug/l	0.28	296,602.31	9.167E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.879	ug/l	15.14	1,183.43	2.381E-04	Pulse	0.10	3
Ag	107	115	1	0.076	ug/l	33.70	333.35	6.043E-05	Pulse	0.10	3
Cd	111	115	1	0.169	ug/l	10.47	136.00	2.463E-05	Pulse	0.25	3
Cd	111	115	2	0.095	ug/l	61.41	32.00	2.491E-05	Pulse	0.25	3
Sn	117	115	1	30.038	ug/l	3.99	19,265.78	3.487E-03	Pulse	0.10	3
Sn	118	115	1	29.268	ug/l	0.52	60,899.08	1.102E-02	Pulse	0.10	3
Sn	118	115	2	28.344	ug/l	2.27	17,623.81	1.374E-02	Pulse	0.10	3
Sn	119	115	1	29.537	ug/l	2.86	22,346.50	4.046E-03	Pulse	0.10	3
Sb	121	159	1	0.229	ug/l	59.36	2,256.94	2.504E-04	Pulse	0.10	3
Ba	137	159	1	210.698	ug/l	1.05	221,591.74	2.459E-02	Pulse	0.10	3
Tl	205	209	1	0.457	ug/l	12.03	4,167.41	7.802E-04	Pulse	0.10	3
Pb	208	209	1	34.859	ug/l	0.75	288,429.86	5.401E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,828,381.41	0.64	85.5	Analog	0.10	3
1	Sc	45	3,235,406.83	0.38	89.3	Analog	0.10	3
2	Sc	45	156,530.72	0.71	89.0	Pulse	0.10	3
3	Sc	45	320,307.93	0.41	87.1	Pulse	0.10	3
1	Ge	72	676,007.49	0.64	88.3	Pulse	0.10	3
2	Ge	72	103,913.26	0.76	90.4	Pulse	0.10	3
3	Ge	72	162,126.13	0.99	87.6	Pulse	0.10	3
1	Rh	103	4,969,131.49	0.50	90.8	Analog	0.10	3
2	Rh	103	2,934,561.73	0.11	92.4	Analog	0.10	3
1	In	115	5,523,700.25	0.92	92.4	Analog	0.10	3
2	In	115	1,282,735.23	0.48	91.8	Pulse	0.10	3
1	Tb	159	9,010,761.32	0.44	93.3	Analog	0.10	3
2	Tb	159	5,229,793.46	1.00	94.4	Analog	0.10	3
1	Ho	165	8,742,563.41	0.39	93.8	Analog	0.10	3
2	Ho	165	5,170,265.96	0.79	94.6	Analog	0.10	3
1	Bi	209	5,340,579.09	0.38	93.4	Analog	0.10	3
2	Bi	209	3,600,422.55	0.14	93.1	Analog	0.10	3

Quantitation Report

File Name	099SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 5:35
Sample Name	f99982-6
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.503	ug/l	7.19	1,020.05	5.516E-04	Pulse	0.25	3
B	11	6	1	3.656	ug/l	8.45	4,454.03	2.408E-03	Pulse	0.15	3
Na	23	45	1	211.777	ug/l	0.58	707,082.12	2.167E-01	Pulse	0.10	3
Na	23	45	2	208.010	ug/l	2.58	25,040.66	1.622E-01	Pulse	0.20	3
Mg	24	45	1	4345.409	ug/l	0.71	7,568,424.89	2.319E+00	Analog	0.10	3
Mg	24	45	2	4109.017	ug/l	0.44	192,191.80	1.245E+00	Pulse	0.20	3
Al	27	45	1	19906.888	ug/l	0.63	45,836,127.65	1.405E+01	Analog	0.10	3
Al	27	45	2	19448.786	ug/l	0.76	327,657.21	2.122E+00	Pulse	0.20	3
K	39	45	1	3951.650	ug/l	0.23	13,195,126.47	4.044E+00	Analog	0.10	3
K	39	45	2	3779.360	ug/l	1.07	171,220.42	1.109E+00	Pulse	0.20	3
Ca	43	45	1	4722.731	ug/l	0.62	29,933.70	9.173E-03	Pulse	1.50	3
Ca	43	45	2	5074.307	ug/l	2.36	698.24	4.522E-03	Pulse	1.50	3
Ca	44	45	1	4707.654	ug/l	0.66	487,808.72	1.495E-01	Pulse	0.10	3
Ca	44	45	2	4627.326	ug/l	0.14	11,274.01	7.301E-02	Pulse	0.20	3
Ti	47	45	1	695.178	ug/l	0.52	211,592.73	6.484E-02	Pulse	0.10	3
Ti	47	45	2	699.237	ug/l	2.56	12,718.38	8.238E-02	Pulse	0.20	3
V	51	45	2	41.933	ug/l	2.98	23,321.68	1.511E-01	Pulse	0.20	3
Cr	52	45	2	36.488	ug/l	3.50	27,062.41	1.753E-01	Pulse	0.20	3
Mn	55	45	2	300.466	ug/l	0.78	116,747.48	7.561E-01	Pulse	0.20	3
Fe	56	45	2	23563.844	ug/l	0.98	12,920,593.56	8.368E+01	Analog	0.20	3
Co	59	45	2	10.946	ug/l	1.46	12,338.14	7.989E-02	Pulse	0.20	3
Ni	60	45	2	26.304	ug/l	3.55	8,025.42	5.198E-02	Pulse	0.20	3
Cu	63	45	2	16.167	ug/l	1.94	13,163.83	8.523E-02	Pulse	0.20	3
Cu	65	45	2	15.537	ug/l	5.50	6,239.64	4.039E-02	Pulse	0.20	3
Zn	66	45	2	58.240	ug/l	1.60	8,072.15	5.227E-02	Pulse	0.20	3
As	75	45	2	3.395	ug/l	16.89	293.34	1.902E-03	Pulse	0.50	3
Se	78	45	2	1.934	ug/l	19.97	28.00	1.814E-04	Pulse	1.00	3
Se	78	45	3	0.387	ug/l	81.13	12.33	3.906E-05	Pulse	1.00	3
Sr	88	45	1	35.333	ug/l	0.77	250,789.28	7.685E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.088	ug/l	0.40	1,446.80	2.899E-04	Pulse	0.10	3
Ag	107	115	1	0.081	ug/l	22.83	346.68	6.279E-05	Pulse	0.10	3
Cd	111	115	1	0.057	ug/l	87.16	62.67	1.133E-05	Pulse	0.25	3
Cd	111	115	2	0.101	ug/l	47.31	33.33	2.628E-05	Pulse	0.25	3
Sn	117	115	1	32.353	ug/l	3.87	20,734.36	3.754E-03	Pulse	0.10	3
Sn	118	115	1	32.770	ug/l	0.64	68,124.86	1.233E-02	Pulse	0.10	3
Sn	118	115	2	31.841	ug/l	2.61	19,559.36	1.542E-02	Pulse	0.10	3
Sn	119	115	1	32.788	ug/l	1.71	24,777.11	4.486E-03	Pulse	0.10	3
Sb	121	159	1	0.399	ug/l	6.19	2,630.34	2.910E-04	Pulse	0.10	3
Ba	137	159	1	154.396	ug/l	0.67	163,084.77	1.804E-02	Pulse	0.10	3
Tl	205	209	1	0.431	ug/l	3.35	4,017.36	7.519E-04	Pulse	0.10	3
Pb	208	209	1	20.919	ug/l	0.28	173,426.13	3.246E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,849,674.98	0.62	86.5	Analog	0.10	3
1	Sc	45	3,263,238.81	0.07	90.1	Analog	0.10	3
2	Sc	45	154,425.28	1.30	87.8	Pulse	0.10	3
3	Sc	45	314,599.24	1.19	85.6	Pulse	0.10	3
1	Ge	72	683,776.50	0.31	89.3	Pulse	0.10	3
2	Ge	72	103,601.37	0.29	90.1	Pulse	0.10	3
3	Ge	72	162,749.37	0.95	87.9	Pulse	0.10	3
1	Rh	103	4,990,724.82	0.55	91.2	Analog	0.10	3
2	Rh	103	2,921,832.77	0.72	92.0	Analog	0.10	3
1	In	115	5,523,327.00	0.40	92.4	Analog	0.10	3
2	In	115	1,268,594.87	0.11	90.8	Pulse	0.10	3
1	Tb	159	9,039,111.32	0.48	93.6	Analog	0.10	3
2	Tb	159	5,228,565.55	0.72	94.3	Analog	0.10	3
1	Ho	165	8,726,569.25	0.22	93.7	Analog	0.10	3
2	Ho	165	5,144,906.80	0.38	94.2	Analog	0.10	3
1	Bi	209	5,342,307.63	0.87	93.5	Analog	0.10	3
2	Bi	209	3,637,735.26	0.29	94.1	Analog	0.10	3

Quantitation Report

File Name	100SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 5:41
Sample Name	f99982-10
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.945	ug/l	2.69	1,289.40	7.097E-04	Pulse	0.25	3
B	11	6	1	3.027	ug/l	30.17	4,001.08	2.204E-03	Pulse	0.15	3
Na	23	45	1	254.918	ug/l	0.71	817,514.39	2.512E-01	Pulse	0.10	3
Na	23	45	2	258.602	ug/l	1.06	29,716.67	1.923E-01	Pulse	0.20	3
Mg	24	45	1	4629.353	ug/l	0.72	8,039,929.26	2.471E+00	Analog	0.10	3
Mg	24	45	2	4477.658	ug/l	1.34	209,529.78	1.356E+00	Pulse	0.20	3
Al	27	45	1	21049.393	ug/l	1.19	48,329,005.95	1.485E+01	Analog	0.10	3
Al	27	45	2	20936.432	ug/l	1.95	352,877.48	2.284E+00	Pulse	0.20	3
K	39	45	1	4195.236	ug/l	0.61	13,912,621.87	4.276E+00	Analog	0.10	3
K	39	45	2	4055.336	ug/l	0.88	183,395.80	1.187E+00	Pulse	0.20	3
Ca	43	45	1	5656.834	ug/l	0.09	35,729.85	1.098E-02	Pulse	1.50	3
Ca	43	45	2	5906.296	ug/l	6.34	813.35	5.262E-03	Pulse	1.50	3
Ca	44	45	1	5641.144	ug/l	0.44	582,262.30	1.789E-01	Pulse	0.10	3
Ca	44	45	2	5692.801	ug/l	1.18	13,869.35	8.977E-02	Pulse	0.20	3
Ti	47	45	1	772.893	ug/l	0.33	234,572.31	7.209E-02	Pulse	0.10	3
Ti	47	45	2	766.613	ug/l	5.39	13,947.78	9.031E-02	Pulse	0.20	3
V	51	45	2	50.597	ug/l	0.79	28,104.14	1.819E-01	Pulse	0.20	3
Cr	52	45	2	36.881	ug/l	2.38	27,364.63	1.771E-01	Pulse	0.20	3
Mn	55	45	2	328.233	ug/l	1.66	127,592.86	8.259E-01	Pulse	0.20	3
Fe	56	45	2	25313.773	ug/l	0.70	13,887,610.21	8.989E+01	Analog	0.20	3
Co	59	45	2	10.695	ug/l	3.49	12,057.95	7.805E-02	Pulse	0.20	3
Ni	60	45	2	21.736	ug/l	1.51	6,669.82	4.317E-02	Pulse	0.20	3
Cu	63	45	2	17.416	ug/l	3.03	14,166.32	9.170E-02	Pulse	0.20	3
Cu	65	45	2	17.377	ug/l	2.76	6,966.62	4.509E-02	Pulse	0.20	3
Zn	66	45	2	67.256	ug/l	2.65	9,282.81	6.009E-02	Pulse	0.20	3
As	75	45	2	4.146	ug/l	6.10	356.68	2.307E-03	Pulse	0.50	3
Se	78	45	2	2.423	ug/l	21.37	31.67	2.048E-04	Pulse	1.00	3
Se	78	45	3	1.364	ug/l	26.61	38.00	1.216E-04	Pulse	1.00	3
Sr	88	45	1	40.039	ug/l	0.58	283,315.10	8.707E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.592	ug/l	4.78	826.72	1.666E-04	Pulse	0.10	3
Ag	107	115	1	0.053	ug/l	52.80	266.68	4.871E-05	Pulse	0.10	3
Cd	111	115	1	0.132	ug/l	26.57	110.67	2.019E-05	Pulse	0.25	3
Cd	111	115	2	0.102	ug/l	42.52	33.33	2.654E-05	Pulse	0.25	3
Sn	117	115	1	29.241	ug/l	3.49	18,621.68	3.395E-03	Pulse	0.10	3
Sn	118	115	1	28.824	ug/l	0.67	59,570.42	1.086E-02	Pulse	0.10	3
Sn	118	115	2	27.582	ug/l	2.30	16,806.24	1.337E-02	Pulse	0.10	3
Sn	119	115	1	29.001	ug/l	2.76	21,795.75	3.973E-03	Pulse	0.10	3
Sb	121	159	1	0.204	ug/l	51.10	2,193.57	2.443E-04	Pulse	0.10	3
Ba	137	159	1	166.562	ug/l	0.50	174,807.76	1.946E-02	Pulse	0.10	3
Tl	205	209	1	0.847	ug/l	12.05	6,468.36	1.220E-03	Pulse	0.10	3
Pb	208	209	1	19.956	ug/l	0.73	164,150.18	3.097E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,816,965.73	1.07	85.0	Analog	0.10	3
1	Sc	45	3,253,973.49	0.38	89.8	Analog	0.10	3
2	Sc	45	154,506.55	1.23	87.9	Pulse	0.10	3
3	Sc	45	312,465.71	0.16	85.0	Pulse	0.10	3
1	Ge	72	675,244.31	0.79	88.2	Pulse	0.10	3
2	Ge	72	102,310.69	0.45	89.0	Pulse	0.10	3
3	Ge	72	160,578.94	0.50	86.8	Pulse	0.10	3
1	Rh	103	4,963,023.26	0.07	90.7	Analog	0.10	3
2	Rh	103	2,909,038.71	0.47	91.6	Analog	0.10	3
1	In	115	5,485,753.23	0.98	91.8	Analog	0.10	3
2	In	115	1,256,567.69	0.36	90.0	Pulse	0.10	3
1	Tb	159	8,984,006.32	1.06	93.0	Analog	0.10	3
2	Tb	159	5,175,640.44	0.46	93.4	Analog	0.10	3
1	Ho	165	8,670,354.25	0.83	93.1	Analog	0.10	3
2	Ho	165	5,130,763.47	0.92	93.9	Analog	0.10	3
1	Bi	209	5,299,695.96	0.69	92.7	Analog	0.10	3
2	Bi	209	3,606,922.86	0.87	93.3	Analog	0.10	3

Quantitation Report

File Name	101SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 5:46
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	48.162	ug/l	1.95	155,134.79	8.627E-02	Pulse	0.25	3
B	11	6	1	46.924	ug/l	1.58	138,647.24	7.710E-02	Pulse	0.15	3
Na	23	45	1	4734.635	ug/l	1.72	60,576,405.76	1.901E+01	Analog	0.10	3
Na	23	45	2	4864.212	ug/l	0.79	2,175,150.49	1.453E+01	Analog	0.20	3
Mg	24	45	1	4844.479	ug/l	1.79	41,195,820.22	1.293E+01	Analog	0.10	3
Mg	24	45	2	4663.815	ug/l	0.26	1,057,139.57	7.061E+00	Pulse	0.20	3
Al	27	45	1	4865.918	ug/l	1.50	54,713,357.52	1.717E+01	Analog	0.10	3
Al	27	45	2	4794.382	ug/l	1.06	391,542.43	2.615E+00	Pulse	0.20	3
K	39	45	1	5016.089	ug/l	1.48	77,021,465.52	2.417E+01	Analog	0.10	3
K	39	45	2	4878.420	ug/l	0.53	1,039,667.93	6.945E+00	Pulse	0.20	3
Ca	43	45	1	4965.577	ug/l	1.71	153,217.78	4.807E-02	Pulse	1.50	3
Ca	43	45	2	5314.420	ug/l	1.84	3,536.82	2.363E-02	Pulse	1.50	3
Ca	44	45	1	5026.956	ug/l	1.32	2,530,541.06	7.939E-01	Analog	0.10	3
Ca	44	45	2	5174.628	ug/l	0.77	60,974.59	4.073E-01	Pulse	0.20	3
Ti	47	45	1	48.251	ug/l	1.38	71,762.40	2.252E-02	Pulse	0.10	3
Ti	47	45	2	48.354	ug/l	3.30	4,267.31	2.850E-02	Pulse	0.20	3
V	51	45	2	48.783	ug/l	0.76	130,285.11	8.702E-01	Pulse	0.20	3
Cr	52	45	2	47.979	ug/l	1.36	167,144.98	1.117E+00	Pulse	0.20	3
Mn	55	45	2	47.986	ug/l	1.13	90,390.61	6.038E-01	Pulse	0.20	3
Fe	56	45	2	5061.579	ug/l	0.77	13,453,328.13	8.987E+01	Analog	0.20	3
Co	59	45	2	47.303	ug/l	1.44	258,116.29	1.724E+00	Pulse	0.20	3
Ni	60	45	2	47.462	ug/l	0.15	68,724.65	4.590E-01	Pulse	0.20	3
Cu	63	45	2	47.884	ug/l	0.36	185,930.03	1.242E+00	Pulse	0.20	3
Cu	65	45	2	47.926	ug/l	0.92	91,728.43	6.127E-01	Pulse	0.20	3
Zn	66	45	2	48.367	ug/l	1.95	31,680.88	2.116E-01	Pulse	0.20	3
As	75	45	2	48.981	ug/l	1.53	19,802.72	1.323E-01	Pulse	0.50	3
Se	78	45	2	47.581	ug/l	0.72	1,719.43	1.149E-02	Pulse	1.00	3
Se	78	45	3	49.093	ug/l	0.89	6,397.27	2.076E-02	Pulse	1.00	3
Sr	88	45	1	49.753	ug/l	1.21	1,721,405.03	5.401E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	48.679	ug/l	0.42	292,017.86	6.052E-02	Pulse	0.10	3
Ag	107	115	1	46.130	ug/l	0.46	646,850.54	1.195E-01	Pulse	0.10	3
Cd	111	115	1	47.050	ug/l	1.03	152,195.26	2.811E-02	Pulse	0.25	3
Cd	111	115	2	47.149	ug/l	0.61	61,598.01	5.011E-02	Pulse	0.25	3
Sn	117	115	1	47.954	ug/l	1.73	149,682.25	2.764E-02	Pulse	0.10	3
Sn	118	115	1	47.599	ug/l	0.41	482,292.19	8.906E-02	Pulse	0.10	3
Sn	118	115	2	47.714	ug/l	2.32	140,909.94	1.147E-01	Pulse	0.10	3
Sn	119	115	1	47.650	ug/l	0.36	174,986.99	3.231E-02	Pulse	0.10	3
Sb	121	159	1	52.965	ug/l	1.05	568,597.11	6.338E-02	Pulse	0.10	3
Ba	137	159	1	48.266	ug/l	0.52	252,609.21	2.816E-02	Pulse	0.10	3
Tl	205	209	1	45.419	ug/l	2.16	1,321,319.70	2.560E-01	Pulse	0.10	3
Pb	208	209	1	48.326	ug/l	0.19	1,928,728.15	3.736E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,798,481.68	1.36	84.1	Analog	0.10	3
1	Sc	45	3,187,583.18	1.23	88.0	Analog	0.10	3
2	Sc	45	149,711.86	1.37	85.1	Pulse	0.10	3
3	Sc	45	308,158.78	1.12	83.8	Pulse	0.10	3
1	Ge	72	661,640.98	1.20	86.4	Pulse	0.10	3
2	Ge	72	99,734.94	1.46	86.8	Pulse	0.10	3
3	Ge	72	157,855.11	1.26	85.3	Pulse	0.10	3
1	Rh	103	4,825,133.05	0.76	88.2	Analog	0.10	3
2	Rh	103	2,834,897.46	0.13	89.2	Analog	0.10	3
1	In	115	5,415,331.78	0.60	90.6	Analog	0.10	3
2	In	115	1,229,207.40	1.16	88.0	Pulse	0.10	3
1	Tb	159	8,971,860.70	0.67	92.9	Analog	0.10	3
2	Tb	159	5,136,304.40	0.44	92.7	Analog	0.10	3
1	Ho	165	8,628,362.37	0.29	92.6	Analog	0.10	3
2	Ho	165	5,077,629.92	0.25	92.9	Analog	0.10	3
1	Bi	209	5,162,507.21	0.70	90.3	Analog	0.10	3
2	Bi	209	3,480,723.49	0.70	90.0	Analog	0.10	3

Quantitation Report

File Name	102SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 5:51
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.002	ug/l	-117.75	18.67	1.023E-05	Pulse	0.25	3
B	11	6	1	0.962	ug/l	0.77	5,080.88	2.782E-03	Pulse	0.15	3
Na	23	45	1	-2.897	ug/l	-5.38	114,211.02	3.547E-02	Pulse	0.10	3
Na	23	45	2	-2.936	ug/l	-25.36	4,580.70	2.949E-02	Pulse	0.20	3
Mg	24	45	1	0.033	ug/l	8.95	2,163.56	6.719E-04	Pulse	0.10	3
Mg	24	45	2	0.049	ug/l	180.03	78.33	5.042E-04	Pulse	0.20	3
Al	27	45	1	0.041	ug/l	93.88	4,920.91	1.528E-03	Pulse	0.10	3
Al	27	45	2	0.296	ug/l	101.22	50.00	3.225E-04	Pulse	0.20	3
K	39	45	1	-1.851	ug/l	-46.85	873,700.79	2.714E-01	Pulse	0.10	3
K	39	45	2	-0.198	ug/l	-156.20	5,994.52	3.858E-02	Pulse	0.20	3
Ca	43	45	1	-0.968	ug/l	-16.96	83.11	2.581E-05	Pulse	1.50	3
Ca	43	45	2	-1.232	ug/l	-44.99	1.11	7.147E-06	Pulse	1.50	3
Ca	44	45	1	-2.736	ug/l	-8.60	1,713.50	5.321E-04	Pulse	0.10	3
Ca	44	45	2	-0.609	ug/l	-65.69	25.00	1.608E-04	Pulse	0.20	3
Ti	47	45	1	0.002	ug/l	931.49	66.67	2.066E-05	Pulse	0.10	3
Ti	47	45	2	-0.030	ug/l	-105.00	1.67	1.070E-05	Pulse	0.20	3
V	51	45	2	0.021	ug/l	149.14	331.68	2.135E-03	Pulse	0.20	3
Cr	52	45	2	0.021	ug/l	121.86	1,076.72	6.932E-03	Pulse	0.20	3
Mn	55	45	2	-0.019	ug/l	-7.72	18.33	1.180E-04	Pulse	0.20	3
Fe	56	45	2	0.458	ug/l	12.09	3,765.51	2.424E-02	Pulse	0.20	3
Co	59	45	2	0.000	ug/l	1187.96	15.00	9.632E-05	Pulse	0.20	3
Ni	60	45	2	-0.032	ug/l	-65.93	145.00	9.332E-04	Pulse	0.20	3
Cu	63	45	2	-0.026	ug/l	-25.43	121.67	7.825E-04	Pulse	0.20	3
Cu	65	45	2	-0.014	ug/l	-160.51	81.67	5.267E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.151	ug/l	-21.07	163.33	1.052E-03	Pulse	0.20	3
As	75	45	2	0.011	ug/l	99.71	15.33	9.855E-05	Pulse	0.50	3
Se	78	45	2	0.095	ug/l	125.82	17.33	1.115E-04	Pulse	1.00	3
Se	78	45	3	0.040	ug/l	29.98	7.33	2.314E-05	Pulse	1.00	3
Sr	88	45	1	0.001	ug/l	326.70	563.37	1.751E-04	Pulse	0.10	3
Mo	95	103	1	0.063	ug/l	23.38	486.70	9.719E-05	Pulse	0.10	3
Ag	107	115	1	0.002	ug/l	157.71	146.67	2.663E-05	Pulse	0.10	3
Cd	111	115	1	-0.003	ug/l	-43.64	16.00	2.897E-06	Pulse	0.25	3
Cd	111	115	2	-0.003	ug/l	-128.00	2.67	2.039E-06	Pulse	0.25	3
Sn	117	115	1	0.062	ug/l	30.21	350.02	6.345E-05	Pulse	0.10	3
Sn	118	115	1	0.075	ug/l	26.82	1,223.44	2.221E-04	Pulse	0.10	3
Sn	118	115	2	0.091	ug/l	27.44	456.69	3.520E-04	Pulse	0.10	3
Sn	119	115	1	0.080	ug/l	22.74	546.70	9.927E-05	Pulse	0.10	3
Sb	121	159	1	0.010	ug/l	227.68	1,856.86	2.071E-04	Pulse	0.10	3
Ba	137	159	1	0.006	ug/l	243.30	750.05	8.373E-05	Pulse	0.10	3
Tl	205	209	1	0.269	ug/l	11.16	9,436.78	1.782E-03	Pulse	0.10	3
Pb	208	209	1	-0.002	ug/l	-92.07	586.70	1.108E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,826,691.20	1.01	85.4	Analog	0.10	3
1	Sc	45	3,220,127.04	1.26	88.9	Analog	0.10	3
2	Sc	45	155,380.58	0.70	88.4	Pulse	0.10	3
3	Sc	45	317,385.36	0.97	86.3	Pulse	0.10	3
1	Ge	72	674,625.02	1.10	88.1	Pulse	0.10	3
2	Ge	72	104,451.09	1.71	90.9	Pulse	0.10	3
3	Ge	72	162,313.67	0.69	87.7	Pulse	0.10	3
1	Rh	103	5,005,055.44	1.02	91.5	Analog	0.10	3
2	Rh	103	2,967,595.16	1.69	93.4	Analog	0.10	3
1	In	115	5,513,113.00	1.37	92.3	Analog	0.10	3
2	In	115	1,296,768.82	0.85	92.8	Pulse	0.10	3
1	Tb	159	8,963,805.08	1.09	92.8	Analog	0.10	3
2	Tb	159	5,236,085.44	0.92	94.5	Analog	0.10	3
1	Ho	165	8,658,717.58	1.59	92.9	Analog	0.10	3
2	Ho	165	5,169,710.44	1.61	94.6	Analog	0.10	3
1	Bi	209	5,298,213.88	0.76	92.7	Analog	0.10	3
2	Bi	209	3,645,595.26	1.11	94.3	Analog	0.10	3

Quantitation Report

File Name	103SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 5:56
Sample Name	CRI 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.560	ug/l	6.97	1,872.14	1.016E-03	Pulse	0.25	3
B	11	6	1	5.025	ug/l	1.63	17,226.85	9.350E-03	Pulse	0.15	3
Na	23	45	1	250.344	ug/l	0.76	3,422,805.57	1.050E+00	Analog	0.10	3
Na	23	45	2	239.026	ug/l	1.05	116,571.46	7.504E-01	Pulse	0.20	3
Mg	24	45	1	258.129	ug/l	0.93	2,247,824.29	6.893E-01	Analog	0.10	3
Mg	24	45	2	247.621	ug/l	0.74	58,308.64	3.753E-01	Pulse	0.20	3
Al	27	45	1	25.095	ug/l	1.61	293,220.80	8.991E-02	Pulse	0.10	3
Al	27	45	2	26.030	ug/l	7.99	2,230.20	1.436E-02	Pulse	0.20	3
K	39	45	1	264.466	ug/l	1.06	5,020,636.28	1.540E+00	Analog	0.10	3
K	39	45	2	255.984	ug/l	2.01	62,330.92	4.012E-01	Pulse	0.20	3
Ca	43	45	1	262.859	ug/l	2.12	8,407.22	2.578E-03	Pulse	1.50	3
Ca	43	45	2	282.676	ug/l	5.44	197.11	1.269E-03	Pulse	1.50	3
Ca	44	45	1	258.115	ug/l	0.80	135,937.89	4.168E-02	Pulse	0.10	3
Ca	44	45	2	278.195	ug/l	1.09	3,432.09	2.209E-02	Pulse	0.20	3
Ti	47	45	1	0.765	ug/l	14.05	1,226.77	3.764E-04	Pulse	0.10	3
Ti	47	45	2	0.954	ug/l	53.34	91.67	5.901E-04	Pulse	0.20	3
V	51	45	2	1.072	ug/l	3.01	3,237.05	2.084E-02	Pulse	0.20	3
Cr	52	45	2	1.078	ug/l	1.65	4,875.81	3.138E-02	Pulse	0.20	3
Mn	55	45	2	0.544	ug/l	6.91	1,118.40	7.201E-03	Pulse	0.20	3
Fe	56	45	2	28.093	ug/l	0.83	79,980.96	5.148E-01	Pulse	0.20	3
Co	59	45	2	0.572	ug/l	0.97	3,252.06	2.093E-02	Pulse	0.20	3
Ni	60	45	2	1.212	ug/l	11.81	2,008.49	1.293E-02	Pulse	0.20	3
Cu	63	45	2	1.099	ug/l	9.45	4,654.09	2.994E-02	Pulse	0.20	3
Cu	65	45	2	1.059	ug/l	4.82	2,211.85	1.424E-02	Pulse	0.20	3
Zn	66	45	2	2.586	ug/l	13.45	2,008.50	1.293E-02	Pulse	0.20	3
As	75	45	2	0.520	ug/l	1.25	228.67	1.472E-03	Pulse	0.50	3
Se	78	45	2	0.400	ug/l	20.36	28.67	1.845E-04	Pulse	1.00	3
Se	78	45	3	0.523	ug/l	13.89	72.00	2.275E-04	Pulse	1.00	3
Sr	88	45	1	4.959	ug/l	0.84	176,063.77	5.398E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.037	ug/l	5.89	6,591.64	1.308E-03	Pulse	0.10	3
Ag	107	115	1	0.559	ug/l	5.75	8,192.46	1.468E-03	Pulse	0.10	3
Cd	111	115	1	0.488	ug/l	4.01	1,650.78	2.957E-04	Pulse	0.25	3
Cd	111	115	2	0.538	ug/l	7.15	744.03	5.765E-04	Pulse	0.25	3
Sn	117	115	1	4.795	ug/l	2.19	15,571.60	2.789E-03	Pulse	0.10	3
Sn	118	115	1	4.661	ug/l	2.26	49,104.08	8.795E-03	Pulse	0.10	3
Sn	118	115	2	4.635	ug/l	3.34	14,530.57	1.126E-02	Pulse	0.10	3
Sn	119	115	1	4.812	ug/l	5.19	18,448.20	3.304E-03	Pulse	0.10	3
Sb	121	159	1	0.605	ug/l	4.87	8,225.79	9.171E-04	Pulse	0.10	3
Ba	137	159	1	1.136	ug/l	1.91	6,648.35	7.411E-04	Pulse	0.10	3
Tl	205	209	1	0.544	ug/l	3.27	17,767.99	3.331E-03	Pulse	0.10	3
Pb	208	209	1	0.543	ug/l	4.23	23,068.15	4.324E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,842,406.94	1.24	86.2	Analog	0.10	3
1	Sc	45	3,261,305.37	0.86	90.1	Analog	0.10	3
2	Sc	45	155,360.78	0.75	88.4	Pulse	0.10	3
3	Sc	45	316,594.70	0.69	86.1	Pulse	0.10	3
1	Ge	72	681,635.46	0.06	89.0	Pulse	0.10	3
2	Ge	72	103,762.78	0.67	90.3	Pulse	0.10	3
3	Ge	72	163,105.90	1.31	88.1	Pulse	0.10	3
1	Rh	103	5,041,030.24	0.80	92.1	Analog	0.10	3
2	Rh	103	2,952,981.00	0.14	92.9	Analog	0.10	3
1	In	115	5,583,530.37	0.66	93.4	Analog	0.10	3
2	In	115	1,290,695.88	1.04	92.4	Pulse	0.10	3
1	Tb	159	8,970,419.87	0.63	92.8	Analog	0.10	3
2	Tb	159	5,213,837.42	0.97	94.1	Analog	0.10	3
1	Ho	165	8,721,485.91	0.29	93.6	Analog	0.10	3
2	Ho	165	5,157,531.90	0.22	94.4	Analog	0.10	3
1	Bi	209	5,334,915.96	0.31	93.3	Analog	0.10	3
2	Bi	209	3,623,997.45	0.48	93.7	Analog	0.10	3

Quantitation Report

File Name	104SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 6:01
Sample Name	mp68805-mb1 2
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.004	ug/l	-234.22	17.33	9.765E-06	Pulse	0.25	3
B	11	6	1	0.950	ug/l	15.35	3,527.12	1.993E-03	Pulse	0.15	3
Na	23	45	1	-4.833	ug/l	-6.57	114,771.29	3.740E-02	Pulse	0.10	3
Na	23	45	2	-4.074	ug/l	-45.57	4,660.75	3.217E-02	Pulse	0.20	3
Mg	24	45	1	0.458	ug/l	5.87	3,667.22	1.195E-03	Pulse	0.10	3
Mg	24	45	2	0.334	ug/l	108.67	98.33	6.825E-04	Pulse	0.20	3
Al	27	45	1	1.928	ug/l	2.99	14,687.01	4.786E-03	Pulse	0.10	3
Al	27	45	2	2.644	ug/l	29.42	128.34	8.824E-04	Pulse	0.20	3
K	39	45	1	-4.189	ug/l	-11.18	829,304.52	2.702E-01	Pulse	0.10	3
K	39	45	2	-2.040	ug/l	-33.26	5,427.65	3.741E-02	Pulse	0.20	3
Ca	43	45	1	3.352	ug/l	13.21	157.78	5.139E-05	Pulse	1.50	3
Ca	43	45	2	4.637	ug/l	158.16	3.33	2.293E-05	Pulse	1.50	3
Ca	44	45	1	1.904	ug/l	53.69	3,417.16	1.114E-03	Pulse	0.10	3
Ca	44	45	2	1.680	ug/l	201.32	40.00	2.748E-04	Pulse	0.20	3
Ti	47	45	1	0.232	ug/l	24.57	226.68	7.383E-05	Pulse	0.10	3
Ti	47	45	2	0.134	ug/l	170.71	10.00	6.772E-05	Pulse	0.20	3
V	51	45	2	0.330	ug/l	26.58	680.03	4.699E-03	Pulse	0.20	3
Cr	52	45	2	0.348	ug/l	25.78	1,516.77	1.047E-02	Pulse	0.20	3
Mn	55	45	2	0.168	ug/l	27.15	206.67	1.421E-03	Pulse	0.20	3
Fe	56	45	2	9.555	ug/l	0.96	14,640.05	1.009E-01	Pulse	0.20	3
Co	59	45	2	0.003	ug/l	117.84	21.67	1.492E-04	Pulse	0.20	3
Ni	60	45	2	0.063	ug/l	111.49	223.34	1.540E-03	Pulse	0.20	3
Cu	63	45	2	0.228	ug/l	12.49	640.03	4.418E-03	Pulse	0.20	3
Cu	65	45	2	0.288	ug/l	31.91	370.01	2.553E-03	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.883	ug/l	27.91	526.69	3.623E-03	Pulse	0.20	3
As	75	45	2	0.211	ug/l	23.35	51.33	3.541E-04	Pulse	0.50	3
Se	78	45	2	-0.028	ug/l	-817.10	12.33	8.540E-05	Pulse	1.00	3
Se	78	45	3	0.076	ug/l	67.46	6.67	2.235E-05	Pulse	1.00	3
Sr	88	45	1	0.009	ug/l	38.11	670.04	2.184E-04	Pulse	0.10	3
Mo	95	103	1	0.104	ug/l	10.30	410.02	8.435E-05	Pulse	0.10	3
Ag	107	115	1	0.000	ug/l	-3856.05	113.34	2.087E-05	Pulse	0.10	3
Cd	111	115	1	-0.004	ug/l	-88.46	17.33	3.190E-06	Pulse	0.25	3
Cd	111	115	2	-0.001	ug/l	-1477.30	5.33	4.294E-06	Pulse	0.25	3
Sn	117	115	1	0.512	ug/l	12.90	953.39	1.753E-04	Pulse	0.10	3
Sn	118	115	1	0.492	ug/l	4.53	2,950.40	5.426E-04	Pulse	0.10	3
Sn	118	115	2	0.570	ug/l	16.69	1,000.07	8.181E-04	Pulse	0.10	3
Sn	119	115	1	0.497	ug/l	1.06	1,160.09	2.134E-04	Pulse	0.10	3
Sb	121	159	1	0.192	ug/l	20.99	2,833.70	3.103E-04	Pulse	0.10	3
Ba	137	159	1	0.113	ug/l	41.73	1,033.41	1.131E-04	Pulse	0.10	3
Tl	205	209	1	0.135	ug/l	15.79	3,497.22	6.470E-04	Pulse	0.10	3
Pb	208	209	1	0.038	ug/l	11.83	1,486.76	2.751E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,769,230.91	0.84	82.7	Analog	0.10	3
1	Sc	45	3,069,374.12	1.23	84.8	Analog	0.10	3
2	Sc	45	145,086.98	2.69	82.5	Pulse	0.10	3
3	Sc	45	298,541.18	0.36	81.2	Pulse	0.10	3
1	Ge	72	668,488.17	1.17	87.3	Pulse	0.10	3
2	Ge	72	100,486.29	1.81	87.4	Pulse	0.10	3
3	Ge	72	159,080.75	1.29	86.0	Pulse	0.10	3
1	Rh	103	4,862,717.84	0.74	88.9	Analog	0.10	3
2	Rh	103	2,871,061.52	2.02	90.4	Analog	0.10	3
1	In	115	5,437,210.69	0.40	91.0	Analog	0.10	3
2	In	115	1,221,973.46	1.60	87.5	Mix	0.10	3
1	Tb	159	9,131,989.45	0.87	94.5	Analog	0.10	3
2	Tb	159	5,200,610.96	1.69	93.8	Analog	0.10	3
1	Ho	165	8,881,742.78	0.52	95.3	Analog	0.10	3
2	Ho	165	5,186,368.68	1.85	94.9	Analog	0.10	3
1	Bi	209	5,403,939.29	0.49	94.6	Analog	0.10	3
2	Bi	209	3,654,135.89	2.16	94.5	Analog	0.10	3

Quantitation Report

File Name	105SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 6:06
Sample Name	mp68805-lc1
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	476.781	ug/l	0.87	703,815.46	4.270E-01	Pulse	0.25	3
B	11	6	1	5.928	ug/l	2.98	9,918.71	6.018E-03	Pulse	0.15	3
Na	23	45	1	9136.883	ug/l	0.57	53,034,574.21	1.834E+01	Analog	0.10	3
Na	23	45	2	9400.142	ug/l	1.00	1,901,716.27	1.404E+01	Analog	0.20	3
Mg	24	45	1	5196.551	ug/l	0.67	20,047,236.79	6.933E+00	Analog	0.10	3
Mg	24	45	2	5016.876	ug/l	1.05	514,421.66	3.798E+00	Pulse	0.20	3
Al	27	45	1	4712.129	ug/l	0.89	24,037,265.48	8.313E+00	Analog	0.10	3
Al	27	45	2	4562.039	ug/l	1.56	168,545.26	1.244E+00	Pulse	0.20	3
K	39	45	1	9701.196	ug/l	0.85	67,598,505.66	2.338E+01	Analog	0.10	3
K	39	45	2	9285.051	ug/l	0.44	895,391.34	6.611E+00	Pulse	0.20	3
Ca	43	45	1	5310.711	ug/l	0.52	74,381.02	2.572E-02	Pulse	1.50	3
Ca	43	45	2	5182.544	ug/l	2.02	1,561.19	1.153E-02	Pulse	1.50	3
Ca	44	45	1	5324.577	ug/l	0.30	1,217,134.88	4.209E-01	Pulse	0.10	3
Ca	44	45	2	5248.338	ug/l	1.44	27,985.53	2.066E-01	Pulse	0.20	3
Ti	47	45	1	441.327	ug/l	0.63	297,544.03	1.029E-01	Pulse	0.10	3
Ti	47	45	2	435.309	ug/l	0.57	17,364.31	1.282E-01	Pulse	0.20	3
V	51	45	2	500.802	ug/l	0.08	604,032.63	4.459E+00	Pulse	0.20	3
Cr	52	45	2	497.077	ug/l	0.48	779,763.27	5.757E+00	Pulse	0.20	3
Mn	55	45	2	496.920	ug/l	0.67	423,255.90	3.125E+00	Pulse	0.20	3
Fe	56	45	2	5541.028	ug/l	1.08	6,663,385.32	4.920E+01	Analog	0.20	3
Co	59	45	2	489.346	ug/l	0.91	1,207,947.40	8.919E+00	Pulse	0.20	3
Ni	60	45	2	491.213	ug/l	1.74	321,026.90	2.370E+00	Pulse	0.20	3
Cu	63	45	2	496.635	ug/l	1.16	871,467.33	6.434E+00	Pulse	0.20	3
Cu	65	45	2	496.152	ug/l	0.91	429,137.74	3.168E+00	Pulse	0.20	3
Zn	66	45	2	449.951	ug/l	1.14	132,500.22	9.782E-01	Pulse	0.20	3
As	75	45	2	462.517	ug/l	0.35	84,563.15	6.243E-01	Pulse	0.50	3
Se	78	45	2	427.791	ug/l	0.89	6,951.83	5.132E-02	Pulse	1.00	3
Se	78	45	3	432.950	ug/l	0.60	26,049.75	9.152E-02	Pulse	1.00	3
Sr	88	45	1	0.131	ug/l	12.63	2,543.65	8.796E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	445.525	ug/l	1.49	1,277,276.15	2.769E-01	Pulse	0.10	3
Ag	107	115	1	192.311	ug/l	1.22	1,313,558.29	2.490E-01	Pulse	0.10	3
Cd	111	115	1	466.185	ug/l	0.94	734,552.00	1.392E-01	Pulse	0.25	3
Cd	111	115	2	471.230	ug/l	1.06	286,343.56	2.504E-01	Pulse	0.25	3
Sn	117	115	1	0.278	ug/l	13.58	570.03	1.080E-04	Pulse	0.10	3
Sn	118	115	1	0.263	ug/l	11.65	1,733.50	3.285E-04	Pulse	0.10	3
Sn	118	115	2	0.323	ug/l	18.92	596.71	5.217E-04	Pulse	0.10	3
Sn	119	115	1	0.273	ug/l	13.48	726.71	1.378E-04	Pulse	0.10	3
Sb	121	159	1	512.033	ug/l	0.71	2,770,834.85	3.056E-01	Analog	0.10	3
Ba	137	159	1	470.756	ug/l	1.43	1,242,043.97	1.370E-01	Pulse	0.10	3
Tl	205	209	1	488.498	ug/l	0.89	7,257,682.18	1.375E+00	Analog	0.10	3
Pb	208	209	1	501.514	ug/l	0.36	10,226,603.49	1.938E+00	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,648,460.22	1.23	77.1	Analog	0.10	3
1	Sc	45	2,891,564.75	0.61	79.8	Analog	0.10	3
2	Sc	45	135,448.97	0.81	77.0	Pulse	0.10	3
3	Sc	45	284,650.46	1.01	77.4	Pulse	0.10	3
1	Ge	72	649,843.40	0.42	84.9	Pulse	0.10	3
2	Ge	72	94,647.76	1.28	82.4	Pulse	0.10	3
3	Ge	72	153,770.37	0.59	83.1	Pulse	0.10	3
1	Rh	103	4,613,677.01	1.08	84.3	Analog	0.10	3
2	Rh	103	2,686,754.54	1.37	84.6	Analog	0.10	3
1	In	115	5,276,339.09	0.71	88.3	Analog	0.10	3
2	In	115	1,143,511.14	0.22	81.9	Pulse	0.10	3
1	Tb	159	9,067,179.66	1.30	93.8	Analog	0.10	3
2	Tb	159	5,115,330.13	0.34	92.3	Analog	0.10	3
1	Ho	165	8,847,481.74	0.68	95.0	Analog	0.10	3
2	Ho	165	5,092,764.40	0.75	93.2	Analog	0.10	3
1	Bi	209	5,276,691.07	0.84	92.3	Analog	0.10	3
2	Bi	209	3,500,248.07	0.35	90.5	Analog	0.10	3

Quantitation Report

File Name	106SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 6:11
Sample Name	mp68805-s1
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	121.578	ug/l	0.63	37,409.03	2.179E-02	Pulse	0.25	3
B	11	6	1	1698.032	ug/l	1.13	473,547.84	2.758E-01	Pulse	0.15	3
Na	23	45	1	437669.077	ug/l	0.56	564,740,698.25	1.753E+02	Analog	0.10	3
Na	23	45	2	440301.249	ug/l	0.78	20,593,007.19	1.312E+02	Analog	0.20	3
Mg	24	45	1	240232.628	ug/l	0.77	206,479,603.59	6.409E+01	Analog	0.10	3
Mg	24	45	2	236592.580	ug/l	1.15	5,621,496.59	3.582E+01	Analog	0.20	3
Al	27	45	1	611141.983	ug/l	0.52	694,506,629.65	2.156E+02	Analog	0.10	3
Al	27	45	2	613828.478	ug/l	0.43	5,254,838.46	3.348E+01	Analog	0.20	3
K	39	45	1	32686.594	ug/l	0.40	51,041,670.91	1.584E+01	Analog	0.10	3
K	39	45	2	31564.230	ug/l	0.40	707,340.98	4.507E+00	Pulse	0.20	3
Ca	43	45	1	246775.652	ug/l	0.36	769,160.78	2.388E-01	Pulse	1.50	3
Ca	43	45	2	250922.803	ug/l	0.93	17,500.89	1.115E-01	Pulse	1.50	3
Ca	44	45	1	249328.936	ug/l	0.34	12,673,335.23	3.934E+00	Analog	0.10	3
Ca	44	45	2	246244.270	ug/l	0.51	304,029.59	1.937E+00	Pulse	0.20	3
Ti	47	45	1	28.345	ug/l	2.05	4,320.75	1.341E-03	Pulse	0.10	3
Ti	47	45	2	27.482	ug/l	11.35	258.34	1.647E-03	Pulse	0.20	3
V	51	45	2	840.448	ug/l	0.55	235,090.11	1.498E+00	Pulse	0.20	3
Cr	52	45	2	399.358	ug/l	1.03	146,025.91	9.305E-01	Pulse	0.20	3
Mn	55	45	2	19080.922	ug/l	0.22	3,766,016.61	2.400E+01	Analog	0.20	3
Fe	56	45	2	317917.647	ug/l	0.35	88,576,018.68	5.644E+02	Analog	0.20	3
Co	59	45	2	1164.626	ug/l	0.72	666,263.82	4.245E+00	Pulse	0.20	3
Ni	60	45	2	1359.050	ug/l	1.01	205,928.30	1.312E+00	Pulse	0.20	3
Cu	63	45	2	272.734	ug/l	0.92	111,121.33	7.080E-01	Pulse	0.20	3
Cu	65	45	2	273.789	ug/l	2.03	54,975.35	3.503E-01	Pulse	0.20	3
Zn	66	45	2	2723.010	ug/l	1.16	185,761.46	1.184E+00	Pulse	0.20	3
As	75	45	2	2273.061	ug/l	0.87	96,307.55	6.137E-01	Pulse	0.50	3
Se	78	45	2	2182.573	ug/l	2.12	8,218.09	5.237E-02	Pulse	1.00	3
Se	78	45	3	2097.925	ug/l	0.85	29,268.51	8.869E-02	Pulse	1.00	3
Sr	88	45	1	1238.194	ug/l	1.51	4,329,459.41	1.344E+00	Analog	0.10	3
Mo	95	103	1	1.060	ug/l	11.45	706.72	1.512E-04	Pulse	0.10	3
Ag	107	115	1	53.352	ug/l	0.69	74,227.46	1.383E-02	Pulse	0.10	3
Cd	111	115	1	96.390	ug/l	0.49	30,916.89	5.762E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	94.696	ug/l	1.81	12,383.64	1.007E-02	Pulse	0.25	3
Sn	117	115	1	0.520	ug/l	12.69	310.01	5.780E-05	Pulse	0.10	3
Sn	118	115	1	0.569	ug/l	22.14	1,013.40	1.889E-04	Pulse	0.10	3
Sn	118	115	2	0.426	ug/l	35.53	290.01	2.359E-04	Pulse	0.10	3
Sn	119	115	1	0.829	ug/l	32.51	543.36	1.013E-04	Pulse	0.10	3
Sb	121	159	1	620.385	ug/l	0.70	683,160.25	7.420E-02	Pulse	0.10	3
Ba	137	159	1	2178.570	ug/l	0.48	1,167,445.37	1.268E-01	Pulse	0.10	3
Tl	205	209	1	2173.675	ug/l	2.11	6,320,600.32	1.224E+00	Analog	0.10	3
Pb	208	209	1	609.586	ug/l	0.92	2,432,838.33	4.712E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,716,853.26	1.13	80.3	Analog	0.10	3
1	Sc	45	3,221,383.08	1.20	88.9	Analog	0.10	3
2	Sc	45	156,944.85	0.56	89.3	Pulse	0.10	3
3	Sc	45	329,999.46	0.15	89.8	Pulse	0.10	3
1	Ge	72	650,325.11	1.56	84.9	Pulse	0.10	3
2	Ge	72	105,101.51	1.45	91.4	Pulse	0.10	3
3	Ge	72	163,282.06	0.98	88.2	Pulse	0.10	3
1	Rh	103	4,672,498.79	1.22	85.4	Analog	0.10	3
2	Rh	103	2,780,083.19	0.54	87.5	Analog	0.10	3
1	In	115	5,365,903.86	1.24	89.8	Analog	0.10	3
2	In	115	1,229,946.83	0.41	88.1	Pulse	0.10	3
1	Tb	159	9,206,424.86	1.03	95.3	Analog	0.10	3
2	Tb	159	5,313,349.30	0.88	95.9	Analog	0.10	3
1	Ho	165	8,968,158.20	1.57	96.3	Analog	0.10	3
2	Ho	165	5,274,470.86	1.03	96.5	Analog	0.10	3
1	Bi	209	5,162,872.63	1.59	90.3	Analog	0.10	3
2	Bi	209	3,535,627.13	0.77	91.4	Analog	0.10	3

Quantitation Report

File Name	107SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 6:16
Sample Name	mp68805-s2
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	118.675	ug/l	1.54	35,614.43	2.127E-02	Pulse	0.25	3
B	11	6	1	1730.119	ug/l	2.72	470,479.01	2.810E-01	Pulse	0.15	3
Na	23	45	1	410181.918	ug/l	1.06	537,270,245.33	1.643E+02	Analog	0.10	3
Na	23	45	2	425560.864	ug/l	0.50	20,017,485.95	1.268E+02	Analog	0.20	3
Mg	24	45	1	220996.389	ug/l	0.67	192,806,770.46	5.896E+01	Analog	0.10	3
Mg	24	45	2	227313.883	ug/l	0.25	5,431,965.13	3.441E+01	Analog	0.20	3
Al	27	45	1	562776.148	ug/l	0.50	649,178,670.33	1.985E+02	Analog	0.10	3
Al	27	45	2	579193.018	ug/l	0.67	4,986,575.24	3.159E+01	Analog	0.20	3
K	39	45	1	31168.326	ug/l	0.33	49,445,789.26	1.512E+01	Analog	0.10	3
K	39	45	2	30259.489	ug/l	0.67	682,217.96	4.322E+00	Pulse	0.20	3
Ca	43	45	1	232282.203	ug/l	0.41	734,899.08	2.248E-01	Pulse	1.50	3
Ca	43	45	2	239223.828	ug/l	0.92	16,780.38	1.063E-01	Pulse	1.50	3
Ca	44	45	1	236331.407	ug/l	0.37	12,193,477.74	3.729E+00	Analog	0.10	3
Ca	44	45	2	231280.493	ug/l	2.03	287,176.60	1.819E+00	Pulse	0.20	3
Ti	47	45	1	26.395	ug/l	8.09	4,087.33	1.250E-03	Pulse	0.10	3
Ti	47	45	2	20.142	ug/l	5.76	191.67	1.214E-03	Pulse	0.20	3
V	51	45	2	808.754	ug/l	1.41	227,525.20	1.442E+00	Pulse	0.20	3
Cr	52	45	2	384.291	ug/l	1.07	141,357.32	8.956E-01	Pulse	0.20	3
Mn	55	45	2	18126.345	ug/l	1.28	3,597,899.53	2.280E+01	Analog	0.20	3
Fe	56	45	2	303016.955	ug/l	0.91	84,903,622.07	5.379E+02	Analog	0.20	3
Co	59	45	2	1125.955	ug/l	1.36	647,795.06	4.104E+00	Pulse	0.20	3
Ni	60	45	2	1314.719	ug/l	0.93	200,355.41	1.269E+00	Pulse	0.20	3
Cu	63	45	2	259.267	ug/l	0.76	106,242.50	6.731E-01	Pulse	0.20	3
Cu	65	45	2	261.342	ug/l	1.05	52,783.22	3.344E-01	Pulse	0.20	3
Zn	66	45	2	2635.507	ug/l	1.54	180,827.84	1.146E+00	Pulse	0.20	3
As	75	45	2	2205.698	ug/l	0.83	93,987.42	5.955E-01	Pulse	0.50	3
Se	78	45	2	2138.642	ug/l	0.20	8,099.37	5.131E-02	Pulse	1.00	3
Se	78	45	3	2013.556	ug/l	1.58	29,062.16	8.513E-02	Pulse	1.00	3
Sr	88	45	1	1217.936	ug/l	0.58	4,322,356.19	1.322E+00	Analog	0.10	3
Mo	95	103	1	0.528	ug/l	17.73	420.02	8.509E-05	Pulse	0.10	3
Ag	107	115	1	51.199	ug/l	0.41	76,267.13	1.328E-02	Pulse	0.10	3
Cd	111	115	1	88.624	ug/l	1.96	30,429.39	5.298E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	90.754	ug/l	1.32	12,095.45	9.650E-03	Pulse	0.25	3
Sn	117	115	1	0.473	ug/l	48.63	316.69	5.508E-05	Pulse	0.10	3
Sn	118	115	1	0.498	ug/l	25.26	1,010.08	1.757E-04	Pulse	0.10	3
Sn	118	115	2	0.264	ug/l	129.56	246.68	1.971E-04	Pulse	0.10	3
Sn	119	115	1	0.790	ug/l	25.90	566.70	9.871E-05	Pulse	0.10	3
Sb	121	159	1	591.419	ug/l	0.72	696,971.16	7.075E-02	Pulse	0.10	3
Ba	137	159	1	2044.164	ug/l	0.80	1,172,255.84	1.190E-01	Pulse	0.10	3
Tl	205	209	1	2076.233	ug/l	2.09	6,397,127.20	1.169E+00	Analog	0.10	3
Pb	208	209	1	575.639	ug/l	0.71	2,434,923.32	4.450E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,674,703.88	1.15	78.3	Analog	0.10	3
1	Sc	45	3,269,865.78	0.83	90.3	Analog	0.10	3
2	Sc	45	157,837.66	0.20	89.8	Pulse	0.10	3
3	Sc	45	341,429.29	1.31	92.9	Pulse	0.10	3
1	Ge	72	678,618.35	0.51	88.6	Pulse	0.10	3
2	Ge	72	106,916.43	0.85	93.0	Pulse	0.10	3
3	Ge	72	169,897.61	0.54	91.8	Pulse	0.10	3
1	Rh	103	4,931,294.20	1.20	90.1	Analog	0.10	3
2	Rh	103	2,880,457.87	0.85	90.7	Analog	0.10	3
1	In	115	5,744,530.56	0.87	96.1	Analog	0.10	3
2	In	115	1,253,318.46	0.98	89.7	Pulse	0.10	3
1	Tb	159	9,851,816.93	0.62	102.0	Analog	0.10	3
2	Tb	159	5,477,957.83	0.73	98.8	Analog	0.10	3
1	Ho	165	9,488,538.40	0.47	101.9	Analog	0.10	3
2	Ho	165	5,433,500.96	0.42	99.4	Analog	0.10	3
1	Bi	209	5,471,718.04	1.02	95.7	Analog	0.10	3
2	Bi	209	3,635,952.55	0.54	94.0	Analog	0.10	3

Quantitation Report

File Name	108SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 6:22
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.003	ug/l	196.31	33.33	1.846E-05	Pulse	0.25	3
B	11	6	1	4.459	ug/l	4.08	15,218.25	8.436E-03	Pulse	0.15	3
Na	23	45	1	0.105	ug/l	148.20	156,257.96	4.750E-02	Pulse	0.10	3
Na	23	45	2	0.977	ug/l	26.77	6,569.73	4.115E-02	Pulse	0.20	3
Mg	24	45	1	0.186	ug/l	15.10	3,557.21	1.081E-03	Pulse	0.10	3
Mg	24	45	2	0.192	ug/l	50.95	115.00	7.209E-04	Pulse	0.20	3
Al	27	45	1	0.564	ug/l	23.53	11,101.87	3.374E-03	Pulse	0.10	3
Al	27	45	2	0.950	ug/l	66.04	108.34	6.796E-04	Pulse	0.20	3
K	39	45	1	-6.469	ug/l	-1.58	820,387.05	2.494E-01	Pulse	0.10	3
K	39	45	2	-0.815	ug/l	-94.93	6,019.52	3.771E-02	Pulse	0.20	3
Ca	43	45	1	-0.843	ug/l	-32.26	88.89	2.701E-05	Pulse	1.50	3
Ca	43	45	2	-1.588	ug/l	-90.46	0.89	5.567E-06	Pulse	1.50	3
Ca	44	45	1	-2.281	ug/l	-21.46	1,986.88	6.039E-04	Pulse	0.10	3
Ca	44	45	2	-1.060	ug/l	-99.64	20.00	1.253E-04	Pulse	0.20	3
Ti	47	45	1	0.023	ug/l	177.89	100.00	3.043E-05	Pulse	0.10	3
Ti	47	45	2	-0.048	ug/l	0.00	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	0.061	ug/l	7.80	453.35	2.839E-03	Pulse	0.20	3
Cr	52	45	2	0.025	ug/l	55.96	1,121.73	7.027E-03	Pulse	0.20	3
Mn	55	45	2	0.008	ug/l	127.42	73.33	4.589E-04	Pulse	0.20	3
Fe	56	45	2	1.610	ug/l	2.20	7,134.99	4.468E-02	Pulse	0.20	3
Co	59	45	2	0.004	ug/l	32.93	40.00	2.503E-04	Pulse	0.20	3
Ni	60	45	2	-0.029	ug/l	-69.99	153.33	9.595E-04	Pulse	0.20	3
Cu	63	45	2	-0.023	ug/l	-13.21	140.00	8.766E-04	Pulse	0.20	3
Cu	65	45	2	-0.020	ug/l	-6.24	73.33	4.592E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.275	ug/l	-13.47	81.67	5.122E-04	Pulse	0.20	3
As	75	45	2	0.027	ug/l	26.80	22.67	1.420E-04	Pulse	0.50	3
Se	78	45	2	-0.057	ug/l	-167.48	12.00	7.518E-05	Pulse	1.00	3
Se	78	45	3	0.044	ug/l	46.71	8.67	2.499E-05	Pulse	1.00	3
Sr	88	45	1	0.002	ug/l	39.11	616.71	1.875E-04	Pulse	0.10	3
Mo	95	103	1	0.000	ug/l	-1804.95	103.34	1.899E-05	Pulse	0.10	3
Ag	107	115	1	0.000	ug/l	528.05	136.67	2.234E-05	Pulse	0.10	3
Cd	111	115	1	-0.001	ug/l	-176.11	22.67	3.704E-06	Pulse	0.25	3
Cd	111	115	2	0.000	ug/l	1898.40	6.67	4.978E-06	Pulse	0.25	3
Sn	117	115	1	-0.005	ug/l	-33.22	153.34	2.506E-05	Pulse	0.10	3
Sn	118	115	1	0.000	ug/l	1752.87	506.70	8.281E-05	Pulse	0.10	3
Sn	118	115	2	-0.015	ug/l	-112.62	130.01	9.710E-05	Pulse	0.10	3
Sn	119	115	1	0.018	ug/l	72.14	350.02	5.720E-05	Pulse	0.10	3
Sb	121	159	1	0.015	ug/l	45.98	2,113.56	2.132E-04	Pulse	0.10	3
Ba	137	159	1	0.033	ug/l	24.42	983.40	9.922E-05	Pulse	0.10	3
Tl	205	209	1	0.678	ug/l	4.74	24,066.97	4.085E-03	Pulse	0.10	3
Pb	208	209	1	0.001	ug/l	284.37	820.05	1.392E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,804,476.62	1.08	84.4	Analog	0.10	3
1	Sc	45	3,289,917.35	0.35	90.8	Analog	0.10	3
2	Sc	45	159,667.26	0.66	90.8	Pulse	0.10	3
3	Sc	45	346,625.79	0.70	94.3	Pulse	0.10	3
1	Ge	72	718,042.07	0.38	93.8	Pulse	0.10	3
2	Ge	72	107,865.97	0.24	93.9	Pulse	0.10	3
3	Ge	72	177,738.49	1.71	96.0	Pulse	0.10	3
1	Rh	103	5,438,398.46	0.64	99.4	Analog	0.10	3
2	Rh	103	3,125,945.58	0.42	98.4	Analog	0.10	3
1	In	115	6,119,235.11	0.09	102.4	Analog	0.10	3
2	In	115	1,337,028.16	0.50	95.7	Pulse	0.10	3
1	Tb	159	9,912,406.52	0.52	102.6	Analog	0.10	3
2	Tb	159	5,541,537.63	0.22	100.0	Analog	0.10	3
1	Ho	165	9,669,633.60	0.95	103.8	Analog	0.10	3
2	Ho	165	5,496,750.54	0.22	100.6	Analog	0.10	3
1	Bi	209	5,891,770.54	0.11	103.1	Analog	0.10	3
2	Bi	209	3,889,805.36	0.55	100.6	Analog	0.10	3

Quantitation Report

File Name	109SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 6:27
Sample Name	jb24613-6
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	61.962	ug/l	1.04	74,136.94	5.550E-02	Pulse	0.25	3
B	11	6	1	1891.354	ug/l	2.79	2,044,137.56	1.530E+00	Analog	0.15	3
Na	23	45	1	317602.998	ug/l	0.76	2,033,573,463.03	6.360E+02	Analog	0.10	3
Na	23	45	2	350270.162	ug/l	1.67	82,141,998.77	5.218E+02	Analog	0.20	3
Mg	24	45	1	158219.680	ug/l	0.56	674,926,563.27	2.111E+02	Analog	0.10	3
Mg	24	45	2	169477.063	ug/l	1.61	20,195,487.62	1.283E+02	Analog	0.20	3
Al	27	45	1	447355.727	ug/l	1.22	2,523,038,362.40	7.891E+02	Analog	0.10	3
Al	27	45	2	472726.656	ug/l	0.91	20,297,264.70	1.289E+02	Analog	0.20	3
K	39	45	1	5074.298	ug/l	0.29	39,527,516.91	1.236E+01	Analog	0.10	3
K	39	45	2	5144.721	ug/l	1.33	579,370.45	3.680E+00	Pulse	0.20	3
Ca	43	45	1	173607.270	ug/l	0.47	2,685,414.17	8.398E-01	Analog	1.50	3
Ca	43	45	2	181762.167	ug/l	1.20	63,577.88	4.039E-01	Pulse	1.50	3
Ca	44	45	1	174613.680	ug/l	0.21	44,041,754.35	1.377E+01	Analog	0.10	3
Ca	44	45	2	176745.773	ug/l	1.33	1,094,388.13	6.952E+00	Pulse	0.20	3
Ti	47	45	1	22.827	ug/l	1.81	17,079.45	5.341E-03	Pulse	0.10	3
Ti	47	45	2	20.377	ug/l	7.45	948.38	6.028E-03	Pulse	0.20	3
V	51	45	2	254.527	ug/l	1.67	356,937.11	2.267E+00	Pulse	0.20	3
Cr	52	45	2	151.233	ug/l	1.30	276,463.56	1.756E+00	Pulse	0.20	3
Mn	55	45	2	14592.487	ug/l	1.51	14,444,733.54	9.175E+01	Analog	0.20	3
Fe	56	45	2	245542.689	ug/l	1.88	343,082,808.22	2.179E+03	Analog	0.20	3
Co	59	45	2	518.589	ug/l	1.59	1,487,850.92	9.451E+00	Analog	0.20	3
Ni	60	45	2	641.038	ug/l	1.47	486,895.33	3.093E+00	Pulse	0.20	3
Cu	63	45	2	8.265	ug/l	2.77	17,087.55	1.085E-01	Pulse	0.20	3
Cu	65	45	2	8.265	ug/l	2.22	8,420.66	5.348E-02	Pulse	0.20	3
Zn	66	45	2	1577.140	ug/l	1.32	539,132.79	3.425E+00	Pulse	0.20	3
As	75	45	2	60.267	ug/l	2.69	12,816.45	8.141E-02	Pulse	0.50	3
Se	78	45	2	69.595	ug/l	3.04	1,326.06	8.424E-03	Pulse	1.00	3
Se	78	45	3	7.693	ug/l	4.83	551.68	1.632E-03	Pulse	1.00	3
Sr	88	45	1	1044.070	ug/l	1.06	18,115,723.06	5.665E+00	Analog	0.10	3
Mo	95	103	1	0.284	ug/l	9.48	843.40	1.959E-04	Pulse	0.10	3
Ag	107	115	1	0.101	ug/l	9.37	790.06	1.524E-04	Pulse	0.10	3
Cd	111	115	1	33.857	ug/l	0.46	52,458.60	1.012E-02	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	33.665	ug/l	1.27	20,242.44	1.789E-02	Pulse	0.25	3
Sn	117	115	1	0.691	ug/l	9.49	1,176.75	2.268E-04	Pulse	0.10	3
Sn	118	115	1	0.592	ug/l	9.56	3,300.49	6.361E-04	Pulse	0.10	3
Sn	118	115	2	0.564	ug/l	7.61	916.73	8.101E-04	Pulse	0.10	3
Sn	119	115	1	0.873	ug/l	10.19	1,766.84	3.408E-04	Pulse	0.10	3
Sb	121	159	1	1.898	ug/l	2.00	12,778.94	1.328E-03	Pulse	0.10	3
Ba	137	159	1	16.489	ug/l	0.68	46,928.51	4.876E-03	Pulse	0.10	3
Tl	205	209	1	0.677	ug/l	5.37	10,550.83	2.171E-03	Pulse	0.10	3
Pb	208	209	1	40.194	ug/l	0.78	755,123.36	1.554E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,335,809.14	0.90	62.5	Analog	0.10	3
1	Sc	45	3,197,646.62	0.58	88.3	Analog	0.10	3
2	Sc	45	157,443.69	1.46	89.5	Pulse	0.10	3
3	Sc	45	337,893.41	0.70	91.9	Pulse	0.10	3
1	Ge	72	646,523.54	0.64	84.4	Pulse	0.10	3
2	Ge	72	107,192.23	0.71	93.3	Pulse	0.10	3
3	Ge	72	157,505.19	1.23	85.1	Pulse	0.10	3
1	Rh	103	4,305,415.77	0.52	78.7	Analog	0.10	3
2	Rh	103	2,498,978.61	0.38	78.6	Analog	0.10	3
1	In	115	5,186,209.86	1.25	86.8	Analog	0.10	3
2	In	115	1,131,279.99	0.64	81.0	Pulse	0.10	3
1	Tb	159	9,625,088.40	1.36	99.6	Analog	0.10	3
2	Tb	159	5,162,838.98	0.44	93.2	Analog	0.10	3
1	Ho	165	9,259,278.40	1.20	99.4	Analog	0.10	3
2	Ho	165	5,135,062.84	0.82	94.0	Analog	0.10	3
1	Bi	209	4,858,044.93	0.75	85.0	Analog	0.10	3
2	Bi	209	3,106,857.87	1.02	80.3	Analog	0.10	3

Quantitation Report

File Name	110SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 6:32
Sample Name	mp68805-sd1
Sample Type	Sample
Comment	
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	56.124	ug/l	4.46	15,996.99	1.007E-02	Pulse	0.25	3
B	11	6	1	1617.986	ug/l	4.56	417,765.22	2.629E-01	Pulse	0.15	3
Na	23	45	1	342472.206	ug/l	3.73	420,425,807.07	1.372E+02	Analog	0.10	3
Na	23	45	2	349670.609	ug/l	2.03	15,864,480.60	1.042E+02	Analog	0.20	3
Mg	24	45	1	172987.200	ug/l	3.76	141,444,817.89	4.615E+01	Analog	0.10	3
Mg	24	45	2	175075.912	ug/l	1.82	4,035,127.44	2.651E+01	Analog	0.20	3
Al	27	45	1	494345.992	ug/l	3.78	534,442,885.37	1.744E+02	Analog	0.10	3
Al	27	45	2	491970.903	ug/l	1.47	4,085,459.83	2.684E+01	Analog	0.20	3
K	39	45	1	5436.787	ug/l	4.19	8,792,507.99	2.869E+00	Analog	0.10	3
K	39	45	2	5180.136	ug/l	2.57	117,539.09	7.721E-01	Pulse	0.20	3
Ca	43	45	1	183409.356	ug/l	4.15	543,847.72	1.775E-01	Pulse	1.50	3
Ca	43	45	2	185134.134	ug/l	1.67	12,525.79	8.228E-02	Pulse	1.50	3
Ca	44	45	1	185146.742	ug/l	4.06	8,953,198.41	2.922E+00	Analog	0.10	3
Ca	44	45	2	179519.071	ug/l	1.65	215,016.36	1.412E+00	Pulse	0.20	3
Ti	47	45	1	24.966	ug/l	6.21	3,627.24	1.184E-03	Pulse	0.10	3
Ti	47	45	2	20.516	ug/l	10.32	188.34	1.236E-03	Pulse	0.20	3
V	51	45	2	260.831	ug/l	0.90	70,961.35	4.661E-01	Pulse	0.20	3
Cr	52	45	2	158.922	ug/l	2.44	56,959.47	3.742E-01	Pulse	0.20	3
Mn	55	45	2	15364.880	ug/l	1.32	2,941,693.71	1.932E+01	Analog	0.20	3
Fe	56	45	2	262329.251	ug/l	1.68	70,896,548.94	4.657E+02	Analog	0.20	3
Co	59	45	2	557.338	ug/l	1.72	309,281.92	2.032E+00	Pulse	0.20	3
Ni	60	45	2	723.691	ug/l	2.45	106,449.97	6.993E-01	Pulse	0.20	3
Cu	63	45	2	9.336	ug/l	7.61	3,903.88	2.565E-02	Pulse	0.20	3
Cu	65	45	2	9.517	ug/l	6.41	1,958.49	1.286E-02	Pulse	0.20	3
Zn	66	45	2	1873.931	ug/l	1.74	124,090.40	8.151E-01	Pulse	0.20	3
As	75	45	2	66.871	ug/l	2.94	2,758.25	1.812E-02	Pulse	0.50	3
Se	78	45	2	61.769	ug/l	10.08	238.67	1.568E-03	Pulse	1.00	3
Se	78	45	3	8.951	ug/l	9.24	132.33	3.847E-04	Pulse	1.00	3
Sr	88	45	1	1110.260	ug/l	4.48	3,692,354.63	1.205E+00	Analog	0.10	3
Mo	95	103	1	0.281	ug/l	46.51	263.35	5.440E-05	Pulse	0.10	3
Ag	107	115	1	0.086	ug/l	75.75	246.68	4.348E-05	Pulse	0.10	3
Cd	111	115	1	34.698	ug/l	3.29	11,824.57	2.077E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	34.492	ug/l	3.37	4,620.75	3.670E-03	Pulse	0.25	3
Sn	117	115	1	0.637	ug/l	33.42	366.68	6.455E-05	Pulse	0.10	3
Sn	118	115	1	0.574	ug/l	41.43	1,076.76	1.899E-04	Pulse	0.10	3
Sn	118	115	2	0.270	ug/l	75.59	250.01	1.985E-04	Pulse	0.10	3
Sn	119	115	1	0.533	ug/l	69.18	460.02	8.129E-05	Pulse	0.10	3
Sb	121	159	1	1.892	ug/l	11.26	4,137.36	4.215E-04	Pulse	0.10	3
Ba	137	159	1	17.020	ug/l	9.24	10,503.93	1.070E-03	Pulse	0.10	3
Tl	205	209	1	1.312	ug/l	17.27	5,554.59	1.005E-03	Pulse	0.10	3
Pb	208	209	1	37.173	ug/l	5.20	159,759.53	2.886E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,590,254.04	1.95	74.4	Analog	0.10	3
1	Sc	45	3,066,632.25	2.65	84.7	Analog	0.10	3
2	Sc	45	152,258.54	1.38	86.6	Pulse	0.10	3
3	Sc	45	344,074.12	2.00	93.6	Pulse	0.10	3
1	Ge	72	655,688.62	2.84	85.6	Pulse	0.10	3
2	Ge	72	103,361.06	0.97	89.9	Pulse	0.10	3
3	Ge	72	174,600.34	1.08	94.4	Pulse	0.10	3
1	Rh	103	4,824,382.22	3.13	88.2	Analog	0.10	3
2	Rh	103	2,871,122.67	0.54	90.4	Analog	0.10	3
1	In	115	5,697,583.59	3.31	95.3	Analog	0.10	3
2	In	115	1,258,963.77	0.61	90.1	Pulse	0.10	3
1	Tb	159	9,822,430.69	2.30	101.7	Analog	0.10	3
2	Tb	159	5,505,653.87	0.55	99.3	Analog	0.10	3
1	Ho	165	9,534,444.02	2.03	102.3	Analog	0.10	3
2	Ho	165	5,501,533.46	0.77	100.7	Analog	0.10	3
1	Bi	209	5,542,073.46	3.09	97.0	Analog	0.10	3
2	Bi	209	3,752,252.23	0.93	97.0	Analog	0.10	3

Quantitation Report

File Name	111SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 6:38
Sample Name	jb24613-1
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.007	ug/l	186.97	29.33	1.982E-05	Pulse	0.25	3
B	11	6	1	121.827	ug/l	0.51	148,013.22	9.972E-02	Pulse	0.15	3
Na	23	45	1	482229.313	ug/l	0.68	2,759,295,105.55	9.656E+02	Analog	0.10	3
Na	23	45	2	499243.979	ug/l	1.51	107,901,278.39	7.437E+02	Analog	0.20	3
Mg	24	45	1	50340.481	ug/l	1.93	191,924,110.47	6.716E+01	Analog	0.10	3
Mg	24	45	2	51086.054	ug/l	1.64	5,610,507.00	3.867E+01	Analog	0.20	3
Al	27	45	1	14.877	ug/l	2.37	78,953.24	2.763E-02	Pulse	0.10	3
Al	27	45	2	15.516	ug/l	15.47	636.69	4.393E-03	Pulse	0.20	3
K	39	45	1	2328.086	ug/l	2.01	16,642,011.00	5.823E+00	Analog	0.10	3
K	39	45	2	2305.341	ug/l	1.89	242,362.35	1.671E+00	Pulse	0.20	3
Ca	43	45	1	77090.022	ug/l	1.52	1,065,777.56	3.729E-01	Pulse	1.50	3
Ca	43	45	2	83836.474	ug/l	1.87	27,025.24	1.863E-01	Pulse	1.50	3
Ca	44	45	1	78717.974	ug/l	1.99	17,746,808.90	6.210E+00	Analog	0.10	3
Ca	44	45	2	79735.725	ug/l	1.76	455,008.95	3.136E+00	Pulse	0.20	3
Ti	47	45	1	1.373	ug/l	17.12	970.08	3.398E-04	Pulse	0.10	3
Ti	47	45	2	0.334	ug/l	113.43	18.33	1.267E-04	Pulse	0.20	3
V	51	45	2	2.568	ug/l	3.14	3,572.12	2.461E-02	Pulse	0.20	3
Cr	52	45	2	0.285	ug/l	24.28	1,411.75	9.736E-03	Pulse	0.20	3
Mn	55	45	2	22.868	ug/l	3.77	20,911.89	1.441E-01	Pulse	0.20	3
Fe	56	45	2	24.272	ug/l	2.10	33,592.82	2.315E-01	Pulse	0.20	3
Co	59	45	2	0.239	ug/l	6.30	645.02	4.443E-03	Pulse	0.20	3
Ni	60	45	2	0.394	ug/l	40.60	455.01	3.137E-03	Pulse	0.20	3
Cu	63	45	2	0.837	ug/l	7.60	1,786.80	1.231E-02	Pulse	0.20	3
Cu	65	45	2	0.795	ug/l	15.07	838.37	5.785E-03	Pulse	0.20	3
Zn	66	45	2	1.174	ug/l	27.23	616.69	4.255E-03	Pulse	0.20	3
As	75	45	2	0.844	ug/l	0.23	175.33	1.208E-03	Pulse	0.50	3
Se	78	45	2	0.160	ug/l	135.23	15.67	1.080E-04	Pulse	1.00	3
Se	78	45	3	0.268	ug/l	34.55	20.00	6.297E-05	Pulse	1.00	3
Sr	88	45	1	645.139	ug/l	2.38	10,004,749.65	3.501E+00	Analog	0.10	3
Mo	95	103	1	8.442	ug/l	2.57	22,766.94	5.265E-03	Pulse	0.10	3
Ag	107	115	1	0.016	ug/l	17.47	216.68	4.193E-05	Pulse	0.10	3
Cd	111	115	1	0.064	ug/l	15.87	121.33	2.348E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.022	ug/l	63.29	18.67	1.625E-05	Pulse	0.25	3
Sn	117	115	1	0.154	ug/l	24.54	373.35	7.220E-05	Pulse	0.10	3
Sn	118	115	1	0.154	ug/l	7.49	1,170.09	2.266E-04	Pulse	0.10	3
Sn	118	115	2	0.111	ug/l	74.77	306.68	2.667E-04	Pulse	0.10	3
Sn	119	115	1	0.654	ug/l	9.43	1,376.79	2.666E-04	Pulse	0.10	3
Sb	121	159	1	0.219	ug/l	18.78	2,963.73	3.261E-04	Pulse	0.10	3
Ba	137	159	1	325.531	ug/l	0.99	860,760.72	9.476E-02	Pulse	0.10	3
Tl	205	209	1	0.248	ug/l	5.94	4,720.93	9.629E-04	Pulse	0.10	3
Pb	208	209	1	0.296	ug/l	2.54	6,234.13	1.272E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,484,220.38	0.68	69.4	Analog	0.10	3
1	Sc	45	2,857,598.50	0.89	78.9	Analog	0.10	3
2	Sc	45	145,105.16	1.53	82.5	Pulse	0.10	3
3	Sc	45	317,537.35	0.54	86.4	Pulse	0.10	3
1	Ge	72	619,367.15	1.36	80.9	Pulse	0.10	3
2	Ge	72	95,459.01	1.14	83.1	Pulse	0.10	3
3	Ge	72	158,679.80	1.15	85.7	Pulse	0.10	3
1	Rh	103	4,324,734.93	1.21	79.0	Analog	0.10	3
2	Rh	103	2,556,595.79	0.43	80.5	Analog	0.10	3
1	In	115	5,165,619.48	1.13	86.4	Analog	0.10	3
2	In	115	1,148,822.07	0.58	82.3	Pulse	0.10	3
1	Tb	159	9,083,447.78	0.93	94.0	Analog	0.10	3
2	Tb	159	5,031,640.34	0.69	90.8	Analog	0.10	3
1	Ho	165	8,839,040.29	0.24	94.9	Analog	0.10	3
2	Ho	165	5,055,733.78	0.12	92.5	Analog	0.10	3
1	Bi	209	4,901,844.09	0.72	85.8	Analog	0.10	3
2	Bi	209	3,213,497.55	0.05	83.1	Analog	0.10	3

Quantitation Report

File Name	112SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 6:43
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.004	ug/l	-48.99	10.67	6.011E-06	Pulse	0.25	3
B	11	6	1	5.612	ug/l	3.42	18,296.99	1.030E-02	Pulse	0.15	3
Na	23	45	1	8.026	ug/l	7.60	252,250.45	7.921E-02	Pulse	0.10	3
Na	23	45	2	7.827	ug/l	7.79	9,372.77	6.155E-02	Pulse	0.20	3
Mg	24	45	1	0.561	ug/l	8.46	6,628.24	2.081E-03	Pulse	0.10	3
Mg	24	45	2	0.433	ug/l	31.73	165.01	1.085E-03	Pulse	0.20	3
Al	27	45	1	0.629	ug/l	9.19	11,477.65	3.605E-03	Pulse	0.10	3
Al	27	45	2	0.908	ug/l	18.53	100.00	6.563E-04	Pulse	0.20	3
K	39	45	1	-0.897	ug/l	-78.97	878,520.45	2.759E-01	Pulse	0.10	3
K	39	45	2	0.141	ug/l	141.55	5,946.16	3.906E-02	Pulse	0.20	3
Ca	43	45	1	-0.467	ug/l	-62.60	97.56	3.065E-05	Pulse	1.50	3
Ca	43	45	2	-1.849	ug/l	-53.55	0.67	4.409E-06	Pulse	1.50	3
Ca	44	45	1	-2.328	ug/l	-14.57	1,900.19	5.964E-04	Pulse	0.10	3
Ca	44	45	2	-0.980	ug/l	-75.09	20.00	1.316E-04	Pulse	0.20	3
Ti	47	45	1	-0.002	ug/l	-980.09	60.00	1.878E-05	Pulse	0.10	3
Ti	47	45	2	-0.029	ug/l	-110.03	1.67	1.102E-05	Pulse	0.20	3
V	51	45	2	0.218	ug/l	10.50	858.38	5.639E-03	Pulse	0.20	3
Cr	52	45	2	-0.035	ug/l	-14.75	856.71	5.628E-03	Pulse	0.20	3
Mn	55	45	2	0.021	ug/l	102.61	95.00	6.236E-04	Pulse	0.20	3
Fe	56	45	2	0.264	ug/l	19.83	3,165.37	2.080E-02	Pulse	0.20	3
Co	59	45	2	0.002	ug/l	104.27	23.33	1.528E-04	Pulse	0.20	3
Ni	60	45	2	-0.021	ug/l	-95.19	156.67	1.031E-03	Pulse	0.20	3
Cu	63	45	2	-0.027	ug/l	-14.90	118.33	7.775E-04	Pulse	0.20	3
Cu	65	45	2	-0.030	ug/l	-31.68	50.00	3.291E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.280	ug/l	-5.01	75.00	4.923E-04	Pulse	0.20	3
As	75	45	2	0.010	ug/l	30.42	14.67	9.638E-05	Pulse	0.50	3
Se	78	45	2	0.023	ug/l	288.61	14.33	9.421E-05	Pulse	1.00	3
Se	78	45	3	0.014	ug/l	89.86	4.00	1.226E-05	Pulse	1.00	3
Sr	88	45	1	0.001	ug/l	298.82	573.37	1.801E-04	Pulse	0.10	3
Mo	95	103	1	-0.001	ug/l	-869.52	96.67	1.864E-05	Pulse	0.10	3
Ag	107	115	1	-0.001	ug/l	-256.40	113.34	1.941E-05	Pulse	0.10	3
Cd	111	115	1	-0.003	ug/l	-69.85	17.33	2.969E-06	Pulse	0.25	3
Cd	111	115	2	-0.003	ug/l	-65.85	2.67	2.072E-06	Pulse	0.25	3
Sn	117	115	1	0.000	ug/l	9895.26	163.34	2.797E-05	Pulse	0.10	3
Sn	118	115	1	0.001	ug/l	1279.57	493.37	8.449E-05	Pulse	0.10	3
Sn	118	115	2	-0.014	ug/l	-95.93	130.01	1.010E-04	Pulse	0.10	3
Sn	119	115	1	-0.022	ug/l	-48.00	176.67	3.025E-05	Pulse	0.10	3
Sb	121	159	1	-0.051	ug/l	-28.51	1,293.44	1.346E-04	Pulse	0.10	3
Ba	137	159	1	0.029	ug/l	65.29	933.40	9.712E-05	Pulse	0.10	3
Tl	205	209	1	0.050	ug/l	11.28	3,133.80	5.496E-04	Pulse	0.10	3
Pb	208	209	1	-0.004	ug/l	-59.55	543.36	9.526E-05	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,776,933.71	1.49	83.1	Analog	0.10	3
1	Sc	45	3,184,511.31	1.09	87.9	Analog	0.10	3
2	Sc	45	152,235.61	1.15	86.6	Pulse	0.10	3
3	Sc	45	326,372.35	0.08	88.8	Pulse	0.10	3
1	Ge	72	689,847.33	0.76	90.1	Pulse	0.10	3
2	Ge	72	104,380.51	1.36	90.8	Pulse	0.10	3
3	Ge	72	169,571.10	1.15	91.6	Pulse	0.10	3
1	Rh	103	5,192,725.55	0.75	94.9	Analog	0.10	3
2	Rh	103	3,003,233.39	0.78	94.5	Analog	0.10	3
1	In	115	5,840,706.13	0.19	97.7	Analog	0.10	3
2	In	115	1,288,132.61	0.34	92.2	Pulse	0.10	3
1	Tb	159	9,610,281.32	0.30	99.5	Analog	0.10	3
2	Tb	159	5,365,680.13	0.66	96.8	Analog	0.10	3
1	Ho	165	9,276,315.28	0.34	99.6	Analog	0.10	3
2	Ho	165	5,336,179.09	0.83	97.7	Analog	0.10	3
1	Bi	209	5,702,197.62	0.44	99.8	Analog	0.10	3
2	Bi	209	3,808,956.51	0.20	98.5	Analog	0.10	3

Quantitation Report

File Name	113SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 6:48
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	47.537	ug/l	0.35	138,425.33	8.516E-02	Pulse	0.25	3
B	11	6	1	53.187	ug/l	1.22	141,802.03	8.723E-02	Pulse	0.15	3
Na	23	45	1	4677.824	ug/l	0.67	54,651,725.85	1.878E+01	Analog	0.10	3
Na	23	45	2	4788.644	ug/l	1.21	1,971,110.70	1.430E+01	Analog	0.20	3
Mg	24	45	1	4715.592	ug/l	0.56	36,617,021.12	1.258E+01	Analog	0.10	3
Mg	24	45	2	4620.962	ug/l	1.39	964,038.43	6.996E+00	Pulse	0.20	3
Al	27	45	1	4736.276	ug/l	0.50	48,629,009.28	1.671E+01	Analog	0.10	3
Al	27	45	2	4665.186	ug/l	1.63	350,653.51	2.545E+00	Pulse	0.20	3
K	39	45	1	4954.671	ug/l	1.12	69,479,435.63	2.387E+01	Analog	0.10	3
K	39	45	2	4790.223	ug/l	1.93	939,638.14	6.820E+00	Pulse	0.20	3
Ca	43	45	1	4907.195	ug/l	0.20	138,264.94	4.751E-02	Pulse	1.50	3
Ca	43	45	2	5233.991	ug/l	2.39	3,206.09	2.327E-02	Pulse	1.50	3
Ca	44	45	1	4985.582	ug/l	0.69	2,291,655.80	7.874E-01	Analog	0.10	3
Ca	44	45	2	5064.463	ug/l	1.38	54,930.70	3.986E-01	Pulse	0.20	3
Ti	47	45	1	47.179	ug/l	3.38	64,073.88	2.202E-02	Pulse	0.10	3
Ti	47	45	2	46.554	ug/l	6.41	3,778.83	2.744E-02	Pulse	0.20	3
V	51	45	2	49.841	ug/l	1.55	122,498.38	8.890E-01	Pulse	0.20	3
Cr	52	45	2	48.294	ug/l	1.68	154,853.28	1.124E+00	Pulse	0.20	3
Mn	55	45	2	48.204	ug/l	2.05	83,571.83	6.066E-01	Pulse	0.20	3
Fe	56	45	2	5121.633	ug/l	1.46	12,529,750.23	9.093E+01	Analog	0.20	3
Co	59	45	2	48.577	ug/l	1.35	243,995.15	1.771E+00	Pulse	0.20	3
Ni	60	45	2	48.483	ug/l	0.93	64,613.55	4.689E-01	Pulse	0.20	3
Cu	63	45	2	48.539	ug/l	1.87	173,454.17	1.259E+00	Pulse	0.20	3
Cu	65	45	2	48.988	ug/l	2.11	86,287.15	6.262E-01	Pulse	0.20	3
Zn	66	45	2	48.674	ug/l	2.31	29,343.18	2.130E-01	Pulse	0.20	3
As	75	45	2	49.979	ug/l	2.50	18,596.65	1.350E-01	Pulse	0.50	3
Se	78	45	2	49.933	ug/l	3.69	1,659.76	1.205E-02	Pulse	1.00	3
Se	78	45	3	49.577	ug/l	2.45	6,300.57	2.096E-02	Pulse	1.00	3
Sr	88	45	1	52.662	ug/l	0.85	1,663,667.27	5.716E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	47.908	ug/l	0.12	280,067.13	5.956E-02	Pulse	0.10	3
Ag	107	115	1	44.678	ug/l	0.90	627,874.00	1.157E-01	Pulse	0.10	3
Cd	111	115	1	46.954	ug/l	0.66	152,228.11	2.805E-02	Pulse	0.25	3
Cd	111	115	2	48.387	ug/l	0.58	60,746.60	5.143E-02	Pulse	0.25	3
Sn	117	115	1	47.695	ug/l	1.17	149,197.78	2.749E-02	Pulse	0.10	3
Sn	118	115	1	47.471	ug/l	1.06	482,060.79	8.882E-02	Pulse	0.10	3
Sn	118	115	2	48.663	ug/l	1.20	138,111.80	1.169E-01	Pulse	0.10	3
Sn	119	115	1	47.554	ug/l	1.16	175,020.95	3.225E-02	Pulse	0.10	3
Sb	121	159	1	51.976	ug/l	0.61	576,612.71	6.220E-02	Pulse	0.10	3
Ba	137	159	1	47.286	ug/l	0.66	255,735.76	2.759E-02	Pulse	0.10	3
Tl	205	209	1	44.996	ug/l	2.48	1,383,176.75	2.536E-01	Mix	0.10	3
Pb	208	209	1	48.005	ug/l	0.28	2,024,304.51	3.711E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,625,596.91	0.77	76.0	Analog	0.10	3
1	Sc	45	2,910,296.94	0.35	80.4	Analog	0.10	3
2	Sc	45	137,815.81	1.95	78.4	Pulse	0.10	3
3	Sc	45	300,544.00	0.80	81.8	Pulse	0.10	3
1	Ge	72	625,120.00	0.24	81.7	Pulse	0.10	3
2	Ge	72	92,907.87	1.08	80.8	Pulse	0.10	3
3	Ge	72	156,518.15	1.36	84.6	Pulse	0.10	3
1	Rh	103	4,702,263.16	0.62	85.9	Analog	0.10	3
2	Rh	103	2,742,268.60	0.74	86.3	Analog	0.10	3
1	In	115	5,427,318.56	0.44	90.8	Analog	0.10	3
2	In	115	1,181,161.83	0.24	84.6	Pulse	0.10	3
1	Tb	159	9,270,660.49	0.87	96.0	Analog	0.10	3
2	Tb	159	5,175,781.28	0.57	93.4	Analog	0.10	3
1	Ho	165	9,019,491.74	0.81	96.8	Analog	0.10	3
2	Ho	165	5,156,347.32	0.66	94.4	Analog	0.10	3
1	Bi	209	5,454,543.67	0.66	95.4	Analog	0.10	3
2	Bi	209	3,586,433.49	0.73	92.7	Analog	0.10	3

Quantitation Report

File Name	114SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 6:53
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.000	ug/l	1133.16	22.67	1.365E-05	Pulse	0.25	3
B	11	6	1	4.650	ug/l	2.54	14,519.88	8.745E-03	Pulse	0.15	3
Na	23	45	1	1.787	ug/l	3.68	160,574.28	5.423E-02	Pulse	0.10	3
Na	23	45	2	3.013	ug/l	26.71	6,774.82	4.721E-02	Pulse	0.20	3
Mg	24	45	1	0.376	ug/l	7.19	4,697.50	1.587E-03	Pulse	0.10	3
Mg	24	45	2	0.338	ug/l	30.24	135.00	9.421E-04	Pulse	0.20	3
Al	27	45	1	0.640	ug/l	3.00	10,783.88	3.642E-03	Pulse	0.10	3
Al	27	45	2	0.683	ug/l	10.88	76.67	5.340E-04	Pulse	0.20	3
K	39	45	1	-1.840	ug/l	-17.50	803,648.97	2.714E-01	Pulse	0.10	3
K	39	45	2	-0.276	ug/l	-328.72	5,522.68	3.847E-02	Pulse	0.20	3
Ca	43	45	1	-0.711	ug/l	-32.23	83.78	2.830E-05	Pulse	1.50	3
Ca	43	45	2	0.654	ug/l	496.77	2.22	1.553E-05	Pulse	1.50	3
Ca	44	45	1	-1.990	ug/l	-22.75	1,923.52	6.497E-04	Pulse	0.10	3
Ca	44	45	2	-0.562	ug/l	-309.46	23.33	1.645E-04	Pulse	0.20	3
Ti	47	45	1	0.013	ug/l	62.10	76.67	2.589E-05	Pulse	0.10	3
Ti	47	45	2	-0.048	ug/l	0.00	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	-0.008	ug/l	-65.07	233.34	1.623E-03	Pulse	0.20	3
Cr	52	45	2	-0.033	ug/l	-36.10	815.04	5.673E-03	Pulse	0.20	3
Mn	55	45	2	0.006	ug/l	141.98	61.67	4.311E-04	Pulse	0.20	3
Fe	56	45	2	0.704	ug/l	12.34	4,105.60	2.861E-02	Pulse	0.20	3
Co	59	45	2	0.004	ug/l	26.51	35.00	2.444E-04	Pulse	0.20	3
Ni	60	45	2	-0.040	ug/l	-46.47	121.67	8.503E-04	Pulse	0.20	3
Cu	63	45	2	-0.025	ug/l	-45.32	118.33	8.259E-04	Pulse	0.20	3
Cu	65	45	2	-0.026	ug/l	-74.54	55.00	3.839E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.155	ug/l	-6.59	148.34	1.032E-03	Pulse	0.20	3
As	75	45	2	-0.002	ug/l	-870.81	9.33	6.516E-05	Pulse	0.50	3
Se	78	45	2	-0.100	ug/l	-145.16	9.33	6.474E-05	Pulse	1.00	3
Se	78	45	3	0.031	ug/l	74.15	6.00	1.927E-05	Pulse	1.00	3
Sr	88	45	1	0.001	ug/l	97.30	516.70	1.745E-04	Pulse	0.10	3
Mo	95	103	1	0.044	ug/l	25.24	366.68	7.413E-05	Pulse	0.10	3
Ag	107	115	1	-0.001	ug/l	-207.23	110.00	1.957E-05	Pulse	0.10	3
Cd	111	115	1	-0.003	ug/l	-42.61	16.00	2.843E-06	Pulse	0.25	3
Cd	111	115	2	-0.003	ug/l	-138.76	2.67	2.134E-06	Pulse	0.25	3
Sn	117	115	1	0.051	ug/l	44.83	323.35	5.744E-05	Pulse	0.10	3
Sn	118	115	1	0.071	ug/l	13.61	1,206.76	2.147E-04	Pulse	0.10	3
Sn	118	115	2	0.065	ug/l	33.16	360.02	2.886E-04	Pulse	0.10	3
Sn	119	115	1	0.076	ug/l	48.60	543.36	9.654E-05	Pulse	0.10	3
Sb	121	159	1	-0.023	ug/l	-17.86	1,576.81	1.680E-04	Pulse	0.10	3
Ba	137	159	1	0.000	ug/l	-564.47	750.05	7.990E-05	Pulse	0.10	3
Tl	205	209	1	0.279	ug/l	2.84	10,380.70	1.836E-03	Pulse	0.10	3
Pb	208	209	1	0.000	ug/l	-456.85	713.37	1.261E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,660,418.08	0.85	77.7	Analog	0.10	3
1	Sc	45	2,961,054.02	0.28	81.8	Analog	0.10	3
2	Sc	45	143,612.76	2.69	81.7	Pulse	0.10	3
3	Sc	45	311,015.81	0.40	84.6	Pulse	0.10	3
1	Ge	72	648,615.81	1.76	84.7	Pulse	0.10	3
2	Ge	72	98,048.27	1.09	85.3	Pulse	0.10	3
3	Ge	72	164,799.46	0.39	89.1	Pulse	0.10	3
1	Rh	103	4,943,344.09	0.85	90.3	Analog	0.10	3
2	Rh	103	2,894,285.37	0.41	91.1	Analog	0.10	3
1	In	115	5,623,395.53	0.67	94.1	Analog	0.10	3
2	In	115	1,246,646.35	0.54	89.3	Pulse	0.10	3
1	Tb	159	9,388,104.65	0.93	97.2	Analog	0.10	3
2	Tb	159	5,253,913.57	0.51	94.8	Analog	0.10	3
1	Ho	165	9,108,330.70	1.68	97.8	Analog	0.10	3
2	Ho	165	5,255,585.44	0.48	96.2	Analog	0.10	3
1	Bi	209	5,654,500.54	1.09	98.9	Analog	0.10	3
2	Bi	209	3,729,569.32	0.67	96.5	Analog	0.10	3

Quantitation Report

File Name	115SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 6:58
Sample Name	mp68812-sd1
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	3.548	ug/l	4.32	464.01	2.673E-04	Pulse	0.25	3
B	11	6	1	86.933	ug/l	0.83	11,891.10	6.848E-03	Pulse	0.15	3
Na	23	45	1	543.593	ug/l	1.94	423,132.37	1.341E-01	Pulse	0.10	3
Na	23	45	2	619.076	ug/l	0.11	17,038.84	1.120E-01	Pulse	0.20	3
Mg	24	45	1	6144.582	ug/l	0.35	2,070,331.48	6.563E-01	Analog	0.10	3
Mg	24	45	2	5917.700	ug/l	2.58	54,566.47	3.588E-01	Pulse	0.20	3
Al	27	45	1	29397.044	ug/l	0.38	13,089,110.64	4.149E+00	Analog	0.10	3
Al	27	45	2	28526.030	ug/l	1.19	94,692.35	6.226E-01	Pulse	0.20	3
K	39	45	1	5525.543	ug/l	0.44	4,203,664.83	1.333E+00	Analog	0.10	3
K	39	45	2	5371.575	ug/l	2.03	52,169.74	3.430E-01	Pulse	0.20	3
Ca	43	45	1	6954.081	ug/l	0.27	8,599.54	2.726E-03	Pulse	1.50	3
Ca	43	45	2	7342.371	ug/l	9.02	200.45	1.318E-03	Pulse	1.50	3
Ca	44	45	1	6926.933	ug/l	0.70	140,910.00	4.467E-02	Pulse	0.10	3
Ca	44	45	2	6960.147	ug/l	3.54	3,363.73	2.211E-02	Pulse	0.20	3
Ti	47	45	1	775.142	ug/l	1.29	45,660.37	1.448E-02	Pulse	0.10	3
Ti	47	45	2	794.552	ug/l	3.73	2,850.31	1.874E-02	Pulse	0.20	3
V	51	45	2	60.158	ug/l	2.65	6,783.18	4.460E-02	Pulse	0.20	3
Cr	52	45	2	76.164	ug/l	3.76	11,699.32	7.693E-02	Pulse	0.20	3
Mn	55	45	2	706.409	ug/l	2.33	54,098.34	3.557E-01	Pulse	0.20	3
Fe	56	45	2	46910.304	ug/l	1.18	5,068,867.53	3.333E+01	Analog	0.20	3
Co	59	45	2	19.870	ug/l	3.96	4,419.01	2.906E-02	Pulse	0.20	3
Ni	60	45	2	41.825	ug/l	3.93	2,643.60	1.738E-02	Pulse	0.20	3
Cu	63	45	2	38.354	ug/l	4.60	6,266.31	4.121E-02	Pulse	0.20	3
Cu	65	45	2	37.491	ug/l	4.07	3,020.33	1.986E-02	Pulse	0.20	3
Zn	66	45	2	88.187	ug/l	2.68	2,588.59	1.702E-02	Pulse	0.20	3
As	75	45	2	7.312	ug/l	7.16	130.67	8.588E-04	Pulse	0.50	3
Se	78	45	2	2.847	ug/l	74.30	17.67	1.160E-04	Pulse	1.00	3
Se	78	45	3	0.715	ug/l	25.38	6.00	1.844E-05	Pulse	1.00	3
Sr	88	45	1	52.417	ug/l	1.07	72,299.51	2.292E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	7.864	ug/l	11.19	2,110.22	4.104E-04	Pulse	0.10	3
Ag	107	115	1	0.132	ug/l	13.66	200.01	3.473E-05	Pulse	0.10	3
Cd	111	115	1	-0.032	ug/l	-233.50	21.33	3.713E-06	Pulse	0.25	3
Cd	111	115	2	0.055	ug/l	200.07	9.33	7.132E-06	Pulse	0.25	3
Sn	117	115	1	23.038	ug/l	5.19	3,217.14	5.585E-04	Pulse	0.10	3
Sn	118	115	1	23.056	ug/l	3.76	10,407.17	1.807E-03	Pulse	0.10	3
Sn	118	115	2	21.611	ug/l	7.65	2,887.04	2.208E-03	Pulse	0.10	3
Sn	119	115	1	22.711	ug/l	2.86	3,803.94	6.604E-04	Pulse	0.10	3
Sb	121	159	1	-1.236	ug/l	-12.89	1,316.78	1.368E-04	Pulse	0.10	3
Ba	137	159	1	268.096	ug/l	0.17	60,846.74	6.318E-03	Pulse	0.10	3
Tl	205	209	1	2.366	ug/l	18.45	4,570.92	7.990E-04	Pulse	0.10	3
Pb	208	209	1	29.325	ug/l	1.42	52,608.73	9.194E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,736,351.14	0.91	81.2	Analog	0.10	3
1	Sc	45	3,154,393.91	0.33	87.1	Analog	0.10	3
2	Sc	45	152,116.86	1.35	86.5	Pulse	0.10	3
3	Sc	45	325,299.96	1.68	88.5	Pulse	0.10	3
1	Ge	72	680,275.22	0.62	88.9	Pulse	0.10	3
2	Ge	72	105,638.43	0.59	91.9	Pulse	0.10	3
3	Ge	72	169,837.69	1.32	91.8	Pulse	0.10	3
1	Rh	103	5,140,370.24	0.67	93.9	Analog	0.10	3
2	Rh	103	3,048,746.20	0.71	96.0	Analog	0.10	3
1	In	115	5,759,706.29	0.79	96.4	Analog	0.10	3
2	In	115	1,307,532.66	0.65	93.6	Pulse	0.10	3
1	Tb	159	9,630,427.77	0.61	99.7	Analog	0.10	3
2	Tb	159	5,370,873.88	0.14	96.9	Analog	0.10	3
1	Ho	165	9,269,430.28	0.64	99.5	Analog	0.10	3
2	Ho	165	5,368,013.46	0.57	98.2	Analog	0.10	3
1	Bi	209	5,721,810.33	0.29	100.1	Analog	0.10	3
2	Bi	209	3,836,461.30	0.51	99.2	Analog	0.10	3

Quantitation Report

File Name	116SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 7:03
Sample Name	jb24613-2 2
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.008	ug/l	120.20	29.33	2.058E-05	Pulse	0.25	3
B	11	6	1	92.806	ug/l	8.85	110,168.78	7.626E-02	Pulse	0.15	3
Na	23	45	1	391069.443	ug/l	10.38	2,189,719,860.71	7.830E+02	Analog	0.10	3
Na	23	45	2	386878.840	ug/l	1.19	83,726,277.09	5.763E+02	Analog	0.20	3
Mg	24	45	1	41548.040	ug/l	10.55	154,986,721.02	5.543E+01	Analog	0.10	3
Mg	24	45	2	39501.825	ug/l	1.09	4,344,043.06	2.990E+01	Analog	0.20	3
Al	27	45	1	29.641	ug/l	11.78	150,053.20	5.367E-02	Pulse	0.10	3
Al	27	45	2	30.121	ug/l	5.06	1,216.74	8.376E-03	Pulse	0.20	3
K	39	45	1	1228.475	ug/l	12.81	8,955,921.95	3.205E+00	Analog	0.10	3
K	39	45	2	1142.077	ug/l	0.37	123,081.34	8.472E-01	Pulse	0.20	3
Ca	43	45	1	63132.996	ug/l	10.90	853,815.08	3.054E-01	Pulse	1.50	3
Ca	43	45	2	64384.568	ug/l	1.78	20,782.40	1.431E-01	Pulse	1.50	3
Ca	44	45	1	63966.133	ug/l	10.80	14,107,582.71	5.046E+00	Analog	0.10	3
Ca	44	45	2	61333.230	ug/l	0.80	350,477.50	2.412E+00	Pulse	0.20	3
Ti	47	45	1	2.176	ug/l	14.44	1,486.80	5.269E-04	Pulse	0.10	3
Ti	47	45	2	0.799	ug/l	36.61	38.33	2.637E-04	Pulse	0.20	3
V	51	45	2	2.753	ug/l	3.54	3,815.53	2.626E-02	Pulse	0.20	3
Cr	52	45	2	0.311	ug/l	29.05	1,458.43	1.004E-02	Pulse	0.20	3
Mn	55	45	2	35.739	ug/l	1.15	32,701.02	2.251E-01	Pulse	0.20	3
Fe	56	45	2	53.670	ug/l	2.03	71,541.10	4.925E-01	Pulse	0.20	3
Co	59	45	2	0.225	ug/l	3.12	608.35	4.188E-03	Pulse	0.20	3
Ni	60	45	2	2.262	ug/l	4.25	1,765.13	1.215E-02	Pulse	0.20	3
Cu	63	45	2	0.686	ug/l	2.84	1,503.43	1.035E-02	Pulse	0.20	3
Cu	65	45	2	0.787	ug/l	6.13	833.37	5.738E-03	Pulse	0.20	3
Zn	66	45	2	4.417	ug/l	7.75	1,640.11	1.129E-02	Pulse	0.20	3
As	75	45	2	1.677	ug/l	16.23	338.67	2.333E-03	Pulse	0.50	3
Se	78	45	2	0.274	ug/l	136.29	17.67	1.215E-04	Pulse	1.00	3
Se	78	45	3	0.269	ug/l	31.52	20.00	6.322E-05	Pulse	1.00	3
Sr	88	45	1	494.607	ug/l	11.46	7,500,440.51	2.684E+00	Analog	0.10	3
Mo	95	103	1	5.871	ug/l	12.40	15,394.62	3.668E-03	Pulse	0.10	3
Ag	107	115	1	0.008	ug/l	53.68	160.01	3.199E-05	Pulse	0.10	3
Cd	111	115	1	0.020	ug/l	92.95	50.67	1.040E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.010	ug/l	65.10	12.00	1.021E-05	Pulse	0.25	3
Sn	117	115	1	0.356	ug/l	9.54	656.71	1.304E-04	Pulse	0.10	3
Sn	118	115	1	0.359	ug/l	9.16	2,090.23	4.179E-04	Pulse	0.10	3
Sn	118	115	2	0.367	ug/l	17.86	676.71	5.737E-04	Pulse	0.10	3
Sn	119	115	1	1.096	ug/l	14.08	2,073.56	4.163E-04	Pulse	0.10	3
Sb	121	159	1	0.223	ug/l	31.54	2,870.39	3.288E-04	Pulse	0.10	3
Ba	137	159	1	231.080	ug/l	11.17	587,537.92	6.729E-02	Pulse	0.10	3
Tl	205	209	1	0.194	ug/l	23.07	3,867.33	8.124E-04	Pulse	0.10	3
Pb	208	209	1	0.417	ug/l	14.28	8,287.96	1.739E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,451,536.97	8.26	67.9	Analog	0.10	3
1	Sc	45	2,813,115.69	8.68	77.7	Analog	0.10	3
2	Sc	45	145,281.48	0.85	82.6	Pulse	0.10	3
3	Sc	45	316,666.58	0.55	86.1	Pulse	0.10	3
1	Ge	72	616,268.48	7.10	80.5	Pulse	0.10	3
2	Ge	72	98,313.31	1.03	85.5	Pulse	0.10	3
3	Ge	72	162,099.91	0.70	87.6	Pulse	0.10	3
1	Rh	103	4,227,316.29	8.72	77.3	Analog	0.10	3
2	Rh	103	2,604,263.45	0.24	82.0	Analog	0.10	3
1	In	115	5,014,960.14	8.56	83.9	Analog	0.10	3
2	In	115	1,178,139.00	1.25	84.3	Pulse	0.10	3
1	Tb	159	8,789,647.79	9.00	91.0	Analog	0.10	3
2	Tb	159	5,129,030.34	1.03	92.5	Analog	0.10	3
1	Ho	165	8,555,433.41	9.17	91.8	Analog	0.10	3
2	Ho	165	5,156,815.03	0.40	94.4	Analog	0.10	3
1	Bi	209	4,798,726.81	8.38	84.0	Analog	0.10	3
2	Bi	209	3,296,963.81	0.38	85.3	Analog	0.10	3

Quantitation Report

File Name	117SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 7:09
Sample Name	jb24613-3
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.006	ug/l	131.66	29.33	1.880E-05	Pulse	0.25	3
B	11	6	1	102.372	ug/l	0.80	131,292.51	8.399E-02	Pulse	0.15	3
Na	23	45	1	223260.175	ug/l	0.17	1,319,480,753.67	4.471E+02	Analog	0.10	3
Na	23	45	2	231812.092	ug/l	1.99	49,571,459.26	3.453E+02	Analog	0.20	3
Mg	24	45	1	11960.986	ug/l	0.49	47,095,807.63	1.596E+01	Analog	0.10	3
Mg	24	45	2	11947.393	ug/l	4.13	1,297,924.20	9.044E+00	Mix	0.20	3
Al	27	45	1	4.996	ug/l	3.07	30,097.67	1.020E-02	Pulse	0.10	3
Al	27	45	2	5.377	ug/l	14.05	233.34	1.628E-03	Pulse	0.20	3
K	39	45	1	1680.954	ug/l	0.58	12,639,229.81	4.282E+00	Analog	0.10	3
K	39	45	2	1615.831	ug/l	2.65	169,727.45	1.183E+00	Pulse	0.20	3
Ca	43	45	1	21097.131	ug/l	0.30	301,303.94	1.021E-01	Pulse	1.50	3
Ca	43	45	2	22315.866	ug/l	1.18	7,119.52	4.959E-02	Pulse	1.50	3
Ca	44	45	1	21258.535	ug/l	0.39	4,951,687.11	1.678E+00	Analog	0.10	3
Ca	44	45	2	21594.941	ug/l	3.53	121,923.79	8.496E-01	Pulse	0.20	3
Ti	47	45	1	1.432	ug/l	10.90	1,043.41	3.536E-04	Pulse	0.10	3
Ti	47	45	2	0.063	ug/l	219.60	6.67	4.683E-05	Pulse	0.20	3
V	51	45	2	6.225	ug/l	2.70	8,207.19	5.717E-02	Pulse	0.20	3
Cr	52	45	2	0.584	ug/l	10.20	1,893.47	1.320E-02	Pulse	0.20	3
Mn	55	45	2	57.027	ug/l	2.60	51,518.64	3.589E-01	Pulse	0.20	3
Fe	56	45	2	10.194	ug/l	4.18	15,297.30	1.066E-01	Pulse	0.20	3
Co	59	45	2	0.255	ug/l	7.63	678.36	4.728E-03	Pulse	0.20	3
Ni	60	45	2	0.468	ug/l	6.17	501.69	3.496E-03	Pulse	0.20	3
Cu	63	45	2	0.862	ug/l	6.82	1,811.80	1.263E-02	Pulse	0.20	3
Cu	65	45	2	0.944	ug/l	7.74	966.72	6.738E-03	Pulse	0.20	3
Zn	66	45	2	1.172	ug/l	4.37	610.02	4.250E-03	Pulse	0.20	3
As	75	45	2	2.177	ug/l	7.57	432.01	3.008E-03	Pulse	0.50	3
Se	78	45	2	-0.122	ug/l	-139.37	10.67	7.417E-05	Pulse	1.00	3
Se	78	45	3	0.022	ug/l	149.80	3.33	1.093E-05	Pulse	1.00	3
Sr	88	45	1	162.083	ug/l	0.53	2,596,131.26	8.796E-01	Analog	0.10	3
Mo	95	103	1	6.173	ug/l	2.25	17,363.29	3.855E-03	Pulse	0.10	3
Ag	107	115	1	-0.002	ug/l	-162.65	96.67	1.816E-05	Pulse	0.10	3
Cd	111	115	1	0.078	ug/l	16.57	148.00	2.781E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.076	ug/l	42.66	53.33	4.534E-05	Pulse	0.25	3
Sn	117	115	1	0.156	ug/l	27.39	386.69	7.266E-05	Pulse	0.10	3
Sn	118	115	1	0.177	ug/l	33.83	1,320.12	2.478E-04	Pulse	0.10	3
Sn	118	115	2	0.217	ug/l	14.60	463.36	3.943E-04	Pulse	0.10	3
Sn	119	115	1	0.294	ug/l	8.64	770.06	1.446E-04	Pulse	0.10	3
Sb	121	159	1	0.156	ug/l	17.81	2,663.67	2.890E-04	Pulse	0.10	3
Ba	137	159	1	167.446	ug/l	0.51	449,734.28	4.878E-02	Pulse	0.10	3
Tl	205	209	1	0.109	ug/l	26.52	2,963.75	5.729E-04	Pulse	0.10	3
Pb	208	209	1	2.898	ug/l	0.19	58,597.90	1.133E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,563,139.25	0.65	73.1	Analog	0.10	3
1	Sc	45	2,951,472.77	0.26	81.5	Analog	0.10	3
2	Sc	45	143,573.95	1.79	81.7	Pulse	0.10	3
3	Sc	45	305,890.40	0.82	83.2	Pulse	0.10	3
1	Ge	72	645,320.21	0.50	84.3	Pulse	0.10	3
2	Ge	72	96,220.96	0.40	83.7	Pulse	0.10	3
3	Ge	72	159,087.40	1.31	86.0	Pulse	0.10	3
1	Rh	103	4,504,261.81	0.65	82.3	Analog	0.10	3
2	Rh	103	2,621,200.22	0.97	82.5	Analog	0.10	3
1	In	115	5,323,323.52	0.58	89.1	Analog	0.10	3
2	In	115	1,175,571.52	0.67	84.2	Pulse	0.10	3
1	Tb	159	9,219,471.95	0.56	95.4	Analog	0.10	3
2	Tb	159	5,190,668.78	0.47	93.7	Analog	0.10	3
1	Ho	165	8,996,745.49	0.09	96.6	Analog	0.10	3
2	Ho	165	5,194,569.40	0.20	95.1	Analog	0.10	3
1	Bi	209	5,173,459.72	0.26	90.5	Analog	0.10	3
2	Bi	209	3,422,800.05	0.45	88.5	Analog	0.10	3

Quantitation Report

File Name	118SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 7:14
Sample Name	jb24613-4
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	7.482	ug/l	2.22	9,838.96	6.713E-03	Pulse	0.25	3
B	11	6	1	29.430	ug/l	2.41	36,668.92	2.502E-02	Pulse	0.15	3
Na	23	45	1	35077.009	ug/l	0.28	189,263,410.51	7.028E+01	Analog	0.10	3
Na	23	45	2	38064.073	ug/l	3.07	7,303,834.06	5.674E+01	Analog	0.20	3
Mg	24	45	1	18215.976	ug/l	0.56	65,443,300.69	2.430E+01	Analog	0.10	3
Mg	24	45	2	18944.052	ug/l	2.75	1,846,131.80	1.434E+01	Analog	0.20	3
Al	27	45	1	21161.838	ug/l	0.42	100,523,091.83	3.733E+01	Analog	0.10	3
Al	27	45	2	20720.517	ug/l	2.49	727,588.30	5.651E+00	Pulse	0.20	3
K	39	45	1	1187.059	ug/l	1.19	8,365,584.67	3.106E+00	Analog	0.10	3
K	39	45	2	1154.020	ug/l	3.02	110,148.63	8.557E-01	Pulse	0.20	3
Ca	43	45	1	47432.162	ug/l	0.24	617,976.75	2.295E-01	Pulse	1.50	3
Ca	43	45	2	49482.314	ug/l	2.32	14,155.53	1.100E-01	Pulse	1.50	3
Ca	44	45	1	47628.699	ug/l	0.28	10,119,417.97	3.758E+00	Analog	0.10	3
Ca	44	45	2	48022.816	ug/l	2.20	243,194.94	1.889E+00	Pulse	0.20	3
Ti	47	45	1	2.586	ug/l	8.41	1,677.00	6.226E-04	Pulse	0.10	3
Ti	47	45	2	0.959	ug/l	2.64	40.00	3.107E-04	Pulse	0.20	3
V	51	45	2	1.084	ug/l	3.72	1,470.10	1.141E-02	Pulse	0.20	3
Cr	52	45	2	1.586	ug/l	2.46	3,192.04	2.479E-02	Pulse	0.20	3
Mn	55	45	2	3981.308	ug/l	2.48	3,222,865.68	2.503E+01	Analog	0.20	3
Fe	56	45	2	193.651	ug/l	3.19	223,346.74	1.735E+00	Pulse	0.20	3
Co	59	45	2	105.075	ug/l	3.05	246,539.00	1.915E+00	Pulse	0.20	3
Ni	60	45	2	38.091	ug/l	2.00	23,815.81	1.849E-01	Pulse	0.20	3
Cu	63	45	2	20.560	ug/l	2.75	34,474.84	2.678E-01	Pulse	0.20	3
Cu	65	45	2	20.605	ug/l	3.76	17,027.40	1.323E-01	Pulse	0.20	3
Zn	66	45	2	131.788	ug/l	3.84	37,040.33	2.877E-01	Pulse	0.20	3
As	75	45	2	3.631	ug/l	8.65	639.35	4.970E-03	Pulse	0.50	3
Se	78	45	2	10.906	ug/l	3.78	179.67	1.395E-03	Pulse	1.00	3
Se	78	45	3	1.243	ug/l	19.40	77.67	2.690E-04	Pulse	1.00	3
Sr	88	45	1	255.424	ug/l	0.32	3,732,731.30	1.386E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.101	ug/l	9.27	360.02	8.232E-05	Pulse	0.10	3
Ag	107	115	1	-0.004	ug/l	-89.05	83.33	1.604E-05	Pulse	0.10	3
Cd	111	115	1	63.247	ug/l	1.04	98,220.26	1.889E-02	Pulse	0.25	3
Cd	111	115	2	65.037	ug/l	1.14	39,093.77	3.456E-02	Pulse	0.25	3
Sn	117	115	1	0.077	ug/l	49.07	260.01	5.004E-05	Pulse	0.10	3
Sn	118	115	1	0.128	ug/l	12.41	1,050.07	2.019E-04	Pulse	0.10	3
Sn	118	115	2	0.053	ug/l	27.57	223.34	1.974E-04	Pulse	0.10	3
Sn	119	115	1	0.510	ug/l	5.15	1,133.42	2.180E-04	Pulse	0.10	3
Sb	121	159	1	0.027	ug/l	144.63	1,956.88	2.118E-04	Pulse	0.10	3
Ba	137	159	1	18.010	ug/l	0.96	49,125.77	5.318E-03	Pulse	0.10	3
Tl	205	209	1	0.196	ug/l	13.70	4,470.89	8.187E-04	Pulse	0.10	3
Pb	208	209	1	0.708	ug/l	0.90	15,633.91	2.864E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,465,801.52	0.89	68.6	Analog	0.10	3
1	Sc	45	2,693,046.52	0.41	74.4	Analog	0.10	3
2	Sc	45	128,789.59	2.42	73.2	Pulse	0.10	3
3	Sc	45	289,016.45	0.91	78.6	Pulse	0.10	3
1	Ge	72	606,327.79	1.51	79.2	Pulse	0.10	3
2	Ge	72	92,059.99	0.57	80.1	Pulse	0.10	3
3	Ge	72	154,580.69	0.60	83.5	Pulse	0.10	3
1	Rh	103	4,372,897.95	0.33	79.9	Analog	0.10	3
2	Rh	103	2,561,792.98	1.28	80.6	Analog	0.10	3
1	In	115	5,199,159.49	0.34	87.0	Analog	0.10	3
2	In	115	1,131,112.74	0.91	81.0	Pulse	0.10	3
1	Tb	159	9,237,499.65	0.99	95.6	Analog	0.10	3
2	Tb	159	5,140,577.63	0.61	92.8	Analog	0.10	3
1	Ho	165	9,010,773.20	0.25	96.7	Analog	0.10	3
2	Ho	165	5,146,703.98	0.12	94.2	Analog	0.10	3
1	Bi	209	5,459,329.29	0.60	95.5	Analog	0.10	3
2	Bi	209	3,562,856.09	0.47	92.1	Analog	0.10	3

Quantitation Report

File Name	119SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 7:19
Sample Name	jb24613-5
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	5.273	ug/l	4.22	6,490.67	4.735E-03	Pulse	0.25	3
B	11	6	1	79.476	ug/l	2.25	89,768.72	6.548E-02	Pulse	0.15	3
Na	23	45	1	190213.572	ug/l	1.49	1,044,162,064.44	3.809E+02	Analog	0.10	3
Na	23	45	2	210566.402	ug/l	0.85	43,499,467.68	3.137E+02	Analog	0.20	3
Mg	24	45	1	68985.691	ug/l	1.09	252,286,089.58	9.203E+01	Analog	0.10	3
Mg	24	45	2	74912.920	ug/l	1.47	7,862,973.63	5.671E+01	Analog	0.20	3
Al	27	45	1	571.418	ug/l	1.03	2,766,781.63	1.009E+00	Analog	0.10	3
Al	27	45	2	572.653	ug/l	0.23	21,680.92	1.563E-01	Pulse	0.20	3
K	39	45	1	3400.987	ug/l	0.94	22,966,217.99	8.378E+00	Analog	0.10	3
K	39	45	2	3321.515	ug/l	1.82	331,350.97	2.390E+00	Pulse	0.20	3
Ca	43	45	1	114222.707	ug/l	1.26	1,514,737.39	5.525E-01	Analog	1.50	3
Ca	43	45	2	120599.270	ug/l	1.57	37,155.17	2.680E-01	Pulse	1.50	3
Ca	44	45	1	115328.941	ug/l	1.07	24,939,680.46	9.097E+00	Analog	0.10	3
Ca	44	45	2	115983.599	ug/l	1.69	632,531.07	4.562E+00	Pulse	0.20	3
Ti	47	45	1	1.548	ug/l	4.70	1,043.41	3.807E-04	Pulse	0.10	3
Ti	47	45	2	0.597	ug/l	22.40	28.33	2.041E-04	Pulse	0.20	3
V	51	45	2	1.427	ug/l	11.09	2,005.17	1.446E-02	Pulse	0.20	3
Cr	52	45	2	0.559	ug/l	20.71	1,788.47	1.291E-02	Pulse	0.20	3
Mn	55	45	2	1249.385	ug/l	1.34	1,089,332.51	7.856E+00	Pulse	0.20	3
Fe	56	45	2	10079.411	ug/l	1.08	12,407,414.82	8.948E+01	Analog	0.20	3
Co	59	45	2	29.230	ug/l	1.28	73,881.61	5.328E-01	Pulse	0.20	3
Ni	60	45	2	32.342	ug/l	0.64	21,801.35	1.572E-01	Pulse	0.20	3
Cu	63	45	2	0.387	ug/l	2.05	898.38	6.479E-03	Pulse	0.20	3
Cu	65	45	2	0.335	ug/l	15.82	395.01	2.850E-03	Pulse	0.20	3
Zn	66	45	2	31.914	ug/l	2.82	9,839.81	7.097E-02	Pulse	0.20	3
As	75	45	2	4.316	ug/l	2.99	817.36	5.895E-03	Pulse	0.50	3
Se	78	45	2	8.144	ug/l	9.59	147.67	1.064E-03	Pulse	1.00	3
Se	78	45	3	0.965	ug/l	29.19	64.00	2.104E-04	Pulse	1.00	3
Sr	88	45	1	997.729	ug/l	1.18	14,840,808.95	5.414E+00	Analog	0.10	3
Mo	95	103	1	1.308	ug/l	0.91	3,577.22	8.324E-04	Pulse	0.10	3
Ag	107	115	1	0.009	ug/l	198.53	166.67	3.222E-05	Pulse	0.10	3
Cd	111	115	1	0.082	ug/l	17.30	149.33	2.897E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.072	ug/l	37.39	49.33	4.307E-05	Pulse	0.25	3
Sn	117	115	1	4.658	ug/l	5.52	7,051.89	1.369E-03	Pulse	0.10	3
Sn	118	115	1	4.329	ug/l	1.92	21,268.42	4.128E-03	Pulse	0.10	3
Sn	118	115	2	4.298	ug/l	6.12	6,071.42	5.292E-03	Pulse	0.10	3
Sn	119	115	1	4.385	ug/l	5.07	7,878.97	1.530E-03	Pulse	0.10	3
Sb	121	159	1	0.400	ug/l	10.61	4,047.34	4.340E-04	Pulse	0.10	3
Ba	137	159	1	22.142	ug/l	2.29	60,797.02	6.520E-03	Pulse	0.10	3
Tl	205	209	1	0.072	ug/l	28.18	2,430.31	4.690E-04	Pulse	0.10	3
Pb	208	209	1	0.679	ug/l	2.04	14,263.32	2.754E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,370,756.84	0.84	64.1	Analog	0.10	3
1	Sc	45	2,741,336.31	1.36	75.7	Analog	0.10	3
2	Sc	45	138,675.10	1.32	78.9	Pulse	0.10	3
3	Sc	45	303,841.19	0.60	82.7	Pulse	0.10	3
1	Ge	72	607,640.16	0.21	79.4	Pulse	0.10	3
2	Ge	72	95,708.08	1.13	83.3	Pulse	0.10	3
3	Ge	72	158,828.00	2.45	85.8	Pulse	0.10	3
1	Rh	103	4,297,682.12	1.37	78.5	Analog	0.10	3
2	Rh	103	2,566,397.05	0.09	80.8	Analog	0.10	3
1	In	115	5,151,426.02	1.01	86.2	Analog	0.10	3
2	In	115	1,147,271.88	1.01	82.1	Pulse	0.10	3
1	Tb	159	9,323,781.11	0.56	96.5	Analog	0.10	3
2	Tb	159	5,218,445.24	0.76	94.2	Analog	0.10	3
1	Ho	165	9,109,711.74	0.66	97.8	Analog	0.10	3
2	Ho	165	5,224,496.48	0.48	95.6	Analog	0.10	3
1	Bi	209	5,179,092.95	0.59	90.6	Analog	0.10	3
2	Bi	209	3,391,260.99	0.18	87.7	Analog	0.10	3

Quantitation Report

File Name	120SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 7:24
Sample Name	jb24613-7
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	2.797	ug/l	1.17	3,392.39	2.518E-03	Pulse	0.25	3
B	11	6	1	105.403	ug/l	1.43	116,438.58	8.644E-02	Pulse	0.15	3
Na	23	45	1	774855.771	ug/l	0.52	4,365,751,081.61	1.551E+03	Analog	0.10	3
Na	23	45	2	861513.132	ug/l	1.85	181,321,450.63	1.283E+03	Analog	0.20	3
Mg	24	45	1	266972.173	ug/l	1.81	1,002,222,838.40	3.561E+02	Analog	0.10	3
Mg	24	45	2	263658.371	ug/l	1.56	28,199,696.25	1.996E+02	Analog	0.20	3
Al	27	45	1	105.860	ug/l	0.79	529,318.48	1.881E-01	Pulse	0.10	3
Al	27	45	2	103.410	ug/l	1.72	4,008.88	2.836E-02	Pulse	0.20	3
K	39	45	1	1416.152	ug/l	0.83	10,276,040.26	3.652E+00	Analog	0.10	3
K	39	45	2	1376.265	ug/l	2.46	143,109.13	1.013E+00	Pulse	0.20	3
Ca	43	45	1	355598.807	ug/l	0.57	4,840,458.56	1.720E+00	Analog	1.50	3
Ca	43	45	2	370802.019	ug/l	1.42	116,406.46	8.239E-01	Pulse	1.50	3
Ca	44	45	1	354630.903	ug/l	0.20	78,713,690.49	2.797E+01	Analog	0.10	3
Ca	44	45	2	369974.309	ug/l	1.51	2,056,017.05	1.455E+01	Analog	0.20	3
Ti	47	45	1	3.040	ug/l	46.96	2,053.63	7.283E-04	Pulse	0.10	3
Ti	47	45	2	0.145	ug/l	85.44	10.00	7.103E-05	Pulse	0.20	3
V	51	45	2	0.991	ug/l	12.97	1,496.77	1.058E-02	Pulse	0.20	3
Cr	52	45	2	0.429	ug/l	2.98	1,611.78	1.141E-02	Pulse	0.20	3
Mn	55	45	2	24524.468	ug/l	1.31	21,788,357.17	1.542E+02	Analog	0.20	3
Fe	56	45	2	42653.202	ug/l	1.49	53,493,242.54	3.786E+02	Analog	0.20	3
Co	59	45	2	168.461	ug/l	1.64	433,806.41	3.070E+00	Pulse	0.20	3
Ni	60	45	2	96.300	ug/l	2.37	65,792.87	4.657E-01	Pulse	0.20	3
Cu	63	45	2	0.608	ug/l	17.04	1,318.42	9.342E-03	Pulse	0.20	3
Cu	65	45	2	0.650	ug/l	10.71	686.69	4.858E-03	Pulse	0.20	3
Zn	66	45	2	7.016	ug/l	4.95	2,393.57	1.693E-02	Pulse	0.20	3
As	75	45	2	2.891	ug/l	2.81	561.34	3.971E-03	Pulse	0.50	3
Se	78	45	2	3.310	ug/l	15.72	68.67	4.852E-04	Pulse	1.00	3
Se	78	45	3	0.501	ug/l	6.52	33.33	1.122E-04	Pulse	1.00	3
Sr	88	45	1	2575.636	ug/l	1.09	39,326,791.91	1.398E+01	Analog	0.10	3
Mo	95	103	1	1.421	ug/l	10.73	3,720.59	9.023E-04	Pulse	0.10	3
Ag	107	115	1	0.004	ug/l	217.52	126.67	2.579E-05	Pulse	0.10	3
Cd	111	115	1	0.010	ug/l	116.27	37.33	7.550E-06	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.007	ug/l	115.99	9.33	8.433E-06	Pulse	0.25	3
Sn	117	115	1	0.053	ug/l	130.06	213.34	4.314E-05	Pulse	0.10	3
Sn	118	115	1	0.091	ug/l	12.63	826.72	1.680E-04	Pulse	0.10	3
Sn	118	115	2	0.094	ug/l	23.77	273.35	2.461E-04	Pulse	0.10	3
Sn	119	115	1	0.561	ug/l	14.52	1,156.77	2.350E-04	Pulse	0.10	3
Sb	121	159	1	0.022	ug/l	241.81	1,830.21	2.086E-04	Pulse	0.10	3
Ba	137	159	1	24.469	ug/l	3.73	63,175.84	7.197E-03	Pulse	0.10	3
Tl	205	209	1	0.095	ug/l	34.42	2,456.98	5.340E-04	Pulse	0.10	3
Pb	208	209	1	1.193	ug/l	1.39	21,807.14	4.740E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,347,057.69	1.13	63.0	Analog	0.10	3
1	Sc	45	2,814,016.11	0.92	77.7	Analog	0.10	3
2	Sc	45	141,317.07	1.78	80.4	Pulse	0.10	3
3	Sc	45	297,115.20	0.18	80.8	Pulse	0.10	3
1	Ge	72	595,663.17	0.52	77.8	Pulse	0.10	3
2	Ge	72	90,869.68	1.02	79.1	Pulse	0.10	3
3	Ge	72	149,131.60	1.73	80.6	Pulse	0.10	3
1	Rh	103	4,125,049.00	1.14	75.4	Analog	0.10	3
2	Rh	103	2,415,242.57	0.71	76.0	Analog	0.10	3
1	In	115	4,924,223.04	1.56	82.4	Analog	0.10	3
2	In	115	1,110,212.30	1.01	79.5	Pulse	0.10	3
1	Tb	159	8,779,755.70	1.60	90.9	Analog	0.10	3
2	Tb	159	4,854,075.87	0.27	87.6	Analog	0.10	3
1	Ho	165	8,616,131.95	1.70	92.5	Analog	0.10	3
2	Ho	165	4,825,976.49	0.55	88.3	Analog	0.10	3
1	Bi	209	4,600,081.50	0.89	80.5	Analog	0.10	3
2	Bi	209	2,921,844.02	0.41	75.6	Analog	0.10	3

Quantitation Report

File Name	121SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 7:30
Sample Name	jb24613-8
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	32.779	ug/l	0.60	40,009.51	2.937E-02	Pulse	0.25	3
B	11	6	1	380.897	ug/l	1.85	421,243.26	3.092E-01	Pulse	0.15	3
Na	23	45	1	415596.984	ug/l	0.59	2,401,288,497.55	8.322E+02	Analog	0.10	3
Na	23	45	2	450316.267	ug/l	0.33	97,797,965.21	6.708E+02	Analog	0.20	3
Mg	24	45	1	98198.716	ug/l	0.44	378,007,994.37	1.310E+02	Analog	0.10	3
Mg	24	45	2	102777.942	ug/l	0.29	11,342,236.50	7.780E+01	Analog	0.20	3
Al	27	45	1	133200.508	ug/l	0.53	677,933,469.90	2.349E+02	Analog	0.10	3
Al	27	45	2	136969.939	ug/l	0.47	5,446,020.54	3.736E+01	Analog	0.20	3
K	39	45	1	10718.361	ug/l	0.37	74,451,522.22	2.580E+01	Analog	0.10	3
K	39	45	2	10656.708	ug/l	0.36	1,105,271.02	7.582E+00	Pulse	0.20	3
Ca	43	45	1	131951.465	ug/l	0.06	1,841,943.17	6.383E-01	Analog	1.50	3
Ca	43	45	2	140644.436	ug/l	0.71	45,557.29	3.125E-01	Pulse	1.50	3
Ca	44	45	1	133524.501	ug/l	0.20	30,393,857.05	1.053E+01	Analog	0.10	3
Ca	44	45	2	136211.819	ug/l	0.31	781,041.50	5.358E+00	Pulse	0.20	3
Ti	47	45	1	38.317	ug/l	4.17	25,824.23	8.952E-03	Pulse	0.10	3
Ti	47	45	2	33.531	ug/l	5.26	1,443.43	9.901E-03	Pulse	0.20	3
V	51	45	2	121.504	ug/l	0.50	157,925.68	1.083E+00	Pulse	0.20	3
Cr	52	45	2	58.779	ug/l	0.47	100,073.68	6.864E-01	Pulse	0.20	3
Mn	55	45	2	6070.926	ug/l	1.20	5,565,001.79	3.817E+01	Analog	0.20	3
Fe	56	45	2	269160.197	ug/l	1.18	348,285,034.81	2.389E+03	Analog	0.20	3
Co	59	45	2	216.165	ug/l	0.67	574,352.85	3.940E+00	Pulse	0.20	3
Ni	60	45	2	241.117	ug/l	0.71	169,711.76	1.164E+00	Pulse	0.20	3
Cu	63	45	2	2.877	ug/l	6.66	5,646.08	3.873E-02	Pulse	0.20	3
Cu	65	45	2	2.924	ug/l	6.75	2,825.30	1.938E-02	Pulse	0.20	3
Zn	66	45	2	302.635	ug/l	1.44	96,002.49	6.585E-01	Pulse	0.20	3
As	75	45	2	62.308	ug/l	2.38	12,270.01	8.417E-02	Pulse	0.50	3
Se	78	45	2	53.118	ug/l	3.27	940.36	6.450E-03	Pulse	1.00	3
Se	78	45	3	5.133	ug/l	7.11	345.34	1.091E-03	Pulse	1.00	3
Sr	88	45	1	1218.435	ug/l	0.90	19,079,411.38	6.611E+00	Analog	0.10	3
Mo	95	103	1	1.585	ug/l	8.36	4,334.08	1.004E-03	Pulse	0.10	3
Ag	107	115	1	0.016	ug/l	52.91	213.34	4.123E-05	Pulse	0.10	3
Cd	111	115	1	11.399	ug/l	2.00	17,607.25	3.409E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	11.703	ug/l	0.99	7,247.10	6.224E-03	Pulse	0.25	3
Sn	117	115	1	0.219	ug/l	17.10	470.03	9.093E-05	Pulse	0.10	3
Sn	118	115	1	0.174	ug/l	7.21	1,266.77	2.451E-04	Pulse	0.10	3
Sn	118	115	2	0.165	ug/l	13.35	386.69	3.320E-04	Pulse	0.10	3
Sn	119	115	1	0.173	ug/l	13.74	536.70	1.039E-04	Pulse	0.10	3
Sb	121	159	1	0.172	ug/l	18.50	2,823.70	2.983E-04	Pulse	0.10	3
Ba	137	159	1	17.760	ug/l	0.15	49,663.38	5.246E-03	Pulse	0.10	3
Tl	205	209	1	0.179	ug/l	9.04	3,800.62	7.703E-04	Pulse	0.10	3
Pb	208	209	1	12.779	ug/l	0.94	244,199.53	4.951E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,362,383.27	0.41	63.7	Analog	0.10	3
1	Sc	45	2,885,694.23	1.85	79.7	Analog	0.10	3
2	Sc	45	145,784.89	0.07	82.9	Pulse	0.10	3
3	Sc	45	316,355.38	0.65	86.1	Pulse	0.10	3
1	Ge	72	637,296.45	0.72	83.2	Pulse	0.10	3
2	Ge	72	107,269.09	0.41	93.3	Pulse	0.10	3
3	Ge	72	164,677.54	0.76	89.0	Pulse	0.10	3
1	Rh	103	4,312,986.29	1.43	78.8	Analog	0.10	3
2	Rh	103	2,606,407.46	0.11	82.0	Analog	0.10	3
1	In	115	5,165,800.42	2.12	86.5	Analog	0.10	3
2	In	115	1,164,399.21	0.60	83.4	Pulse	0.10	3
1	Tb	159	9,467,856.32	1.24	98.0	Analog	0.10	3
2	Tb	159	5,271,673.15	0.73	95.1	Analog	0.10	3
1	Ho	165	9,200,306.95	1.67	98.8	Analog	0.10	3
2	Ho	165	5,223,464.30	0.59	95.6	Analog	0.10	3
1	Bi	209	4,932,309.41	1.09	86.3	Analog	0.10	3
2	Bi	209	3,174,748.81	0.32	82.1	Analog	0.10	3

Quantitation Report

File Name	122SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 7:35
Sample Name	jb24613-9
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.407	ug/l	6.41	1,777.45	1.274E-03	Pulse	0.25	3
B	11	6	1	63.337	ug/l	1.07	73,161.40	5.243E-02	Pulse	0.15	3
Na	23	45	1	25812.386	ug/l	0.91	138,546,101.27	5.173E+01	Analog	0.10	3
Na	23	45	2	28451.391	ug/l	1.16	5,555,012.42	4.242E+01	Analog	0.20	3
Mg	24	45	1	8342.842	ug/l	0.64	29,809,370.39	1.113E+01	Analog	0.10	3
Mg	24	45	2	8553.058	ug/l	1.47	847,927.49	6.475E+00	Pulse	0.20	3
Al	27	45	1	8205.517	ug/l	0.75	38,766,666.09	1.447E+01	Analog	0.10	3
Al	27	45	2	8270.021	ug/l	0.98	295,391.79	2.256E+00	Pulse	0.20	3
K	39	45	1	4055.265	ug/l	0.72	26,609,699.60	9.935E+00	Analog	0.10	3
K	39	45	2	4037.782	ug/l	0.29	379,353.80	2.897E+00	Pulse	0.20	3
Ca	43	45	1	19596.227	ug/l	0.54	253,970.62	9.483E-02	Pulse	1.50	3
Ca	43	45	2	20482.768	ug/l	0.93	5,961.29	4.552E-02	Pulse	1.50	3
Ca	44	45	1	19843.591	ug/l	0.66	4,194,425.46	1.566E+00	Analog	0.10	3
Ca	44	45	2	19972.075	ug/l	1.08	102,893.90	7.857E-01	Pulse	0.20	3
Ti	47	45	1	16.154	ug/l	21.28	10,139.31	3.785E-03	Pulse	0.10	3
Ti	47	45	2	13.766	ug/l	25.67	535.03	4.081E-03	Pulse	0.20	3
V	51	45	2	1.781	ug/l	2.99	2,306.88	1.761E-02	Pulse	0.20	3
Cr	52	45	2	3.560	ug/l	2.23	6,237.97	4.763E-02	Pulse	0.20	3
Mn	55	45	2	898.066	ug/l	0.35	739,543.82	5.647E+00	Pulse	0.20	3
Fe	56	45	2	446.704	ug/l	0.75	521,332.94	3.981E+00	Pulse	0.20	3
Co	59	45	2	19.590	ug/l	1.95	46,763.21	3.571E-01	Pulse	0.20	3
Ni	60	45	2	27.286	ug/l	0.09	17,396.12	1.328E-01	Pulse	0.20	3
Cu	63	45	2	20.046	ug/l	0.60	34,197.44	2.611E-01	Pulse	0.20	3
Cu	65	45	2	19.693	ug/l	0.30	16,558.60	1.264E-01	Pulse	0.20	3
Zn	66	45	2	105.775	ug/l	1.70	30,288.40	2.313E-01	Pulse	0.20	3
As	75	45	2	2.253	ug/l	3.97	407.34	3.111E-03	Pulse	0.50	3
Se	78	45	2	2.615	ug/l	27.67	52.67	4.020E-04	Pulse	1.00	3
Se	78	45	3	0.781	ug/l	11.85	51.67	1.714E-04	Pulse	1.00	3
Sr	88	45	1	103.965	ug/l	1.07	1,511,279.20	5.643E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.094	ug/l	7.50	350.02	7.816E-05	Pulse	0.10	3
Ag	107	115	1	0.011	ug/l	57.47	183.35	3.495E-05	Pulse	0.10	3
Cd	111	115	1	40.728	ug/l	2.30	63,896.14	1.217E-02	Pulse	0.25	3
Cd	111	115	2	40.948	ug/l	1.17	25,353.81	2.176E-02	Pulse	0.25	3
Sn	117	115	1	0.132	ug/l	11.45	346.68	6.600E-05	Pulse	0.10	3
Sn	118	115	1	0.141	ug/l	22.53	1,123.42	2.140E-04	Pulse	0.10	3
Sn	118	115	2	0.118	ug/l	21.08	320.02	2.750E-04	Pulse	0.10	3
Sn	119	115	1	0.242	ug/l	10.72	666.71	1.270E-04	Pulse	0.10	3
Sb	121	159	1	1.064	ug/l	3.67	7,742.21	8.304E-04	Pulse	0.10	3
Ba	137	159	1	31.346	ug/l	2.75	85,740.58	9.197E-03	Pulse	0.10	3
Tl	205	209	1	0.124	ug/l	7.35	3,383.87	6.144E-04	Pulse	0.10	3
Pb	208	209	1	29.418	ug/l	0.38	626,720.24	1.138E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,395,332.18	0.61	65.3	Analog	0.10	3
1	Sc	45	2,678,297.67	0.21	74.0	Analog	0.10	3
2	Sc	45	130,960.64	0.84	74.5	Pulse	0.10	3
3	Sc	45	301,218.10	1.06	81.9	Pulse	0.10	3
1	Ge	72	608,377.53	0.42	79.5	Pulse	0.10	3
2	Ge	72	94,494.06	1.22	82.2	Pulse	0.10	3
3	Ge	72	162,795.70	1.70	88.0	Pulse	0.10	3
1	Rh	103	4,479,655.77	1.04	81.9	Analog	0.10	3
2	Rh	103	2,706,600.79	0.96	85.2	Analog	0.10	3
1	In	115	5,251,570.76	0.69	87.9	Analog	0.10	3
2	In	115	1,165,078.26	1.53	83.4	Pulse	0.10	3
1	Tb	159	9,323,367.99	0.45	96.5	Analog	0.10	3
2	Tb	159	5,252,522.22	1.52	94.8	Analog	0.10	3
1	Ho	165	9,138,140.49	0.69	98.1	Analog	0.10	3
2	Ho	165	5,289,685.96	0.51	96.8	Analog	0.10	3
1	Bi	209	5,506,987.21	0.31	96.4	Analog	0.10	3
2	Bi	209	3,652,964.53	0.61	94.5	Analog	0.10	3

Quantitation Report

File Name	123SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 7:40
Sample Name	jb24613-10
Sample Type	Sample
Comment	
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	4.689	ug/l	3.27	6,233.23	4.212E-03	Pulse	0.25	3
B	11	6	1	124.875	ug/l	1.98	151,208.90	1.022E-01	Pulse	0.15	3
Na	23	45	1	85083.886	ug/l	1.86	491,072,712.68	1.704E+02	Analog	0.10	3
Na	23	45	2	96610.758	ug/l	1.61	19,057,553.88	1.440E+02	Analog	0.20	3
Mg	24	45	1	10839.781	ug/l	1.37	41,675,966.05	1.446E+01	Analog	0.10	3
Mg	24	45	2	11291.602	ug/l	2.20	1,131,534.12	8.548E+00	Pulse	0.20	3
Al	27	45	1	5263.514	ug/l	1.41	26,759,687.10	9.285E+00	Analog	0.10	3
Al	27	45	2	5294.781	ug/l	1.20	191,208.77	1.444E+00	Pulse	0.20	3
K	39	45	1	2094.880	ug/l	0.89	15,182,316.85	5.268E+00	Analog	0.10	3
K	39	45	2	2082.318	ug/l	1.03	200,278.05	1.513E+00	Pulse	0.20	3
Ca	43	45	1	8218.015	ug/l	0.76	114,670.63	3.979E-02	Pulse	1.50	3
Ca	43	45	2	8904.661	ug/l	4.39	2,619.77	1.980E-02	Pulse	1.50	3
Ca	44	45	1	8425.187	ug/l	1.09	1,917,938.20	6.655E-01	Analog	0.10	3
Ca	44	45	2	8483.096	ug/l	2.17	44,193.79	3.339E-01	Pulse	0.20	3
Ti	47	45	1	3.443	ug/l	4.18	2,370.27	8.223E-04	Pulse	0.10	3
Ti	47	45	2	0.330	ug/l	80.94	16.67	1.255E-04	Pulse	0.20	3
V	51	45	2	1.883	ug/l	6.23	2,453.57	1.852E-02	Pulse	0.20	3
Cr	52	45	2	2.219	ug/l	5.80	4,250.63	3.212E-02	Pulse	0.20	3
Mn	55	45	2	575.367	ug/l	1.34	479,011.10	3.618E+00	Pulse	0.20	3
Fe	56	45	2	3802.025	ug/l	1.74	4,469,570.87	3.376E+01	Analog	0.20	3
Co	59	45	2	38.522	ug/l	2.41	92,945.75	7.022E-01	Pulse	0.20	3
Ni	60	45	2	49.013	ug/l	1.35	31,460.49	2.376E-01	Pulse	0.20	3
Cu	63	45	2	11.394	ug/l	2.51	19,730.50	1.491E-01	Pulse	0.20	3
Cu	65	45	2	11.673	ug/l	1.74	9,963.17	7.524E-02	Pulse	0.20	3
Zn	66	45	2	156.085	ug/l	2.12	45,068.86	3.405E-01	Pulse	0.20	3
As	75	45	2	1.224	ug/l	10.90	228.00	1.722E-03	Pulse	0.50	3
Se	78	45	2	2.180	ug/l	29.69	46.33	3.498E-04	Pulse	1.00	3
Se	78	45	3	0.548	ug/l	30.97	37.00	1.221E-04	Pulse	1.00	3
Sr	88	45	1	63.141	ug/l	1.27	987,831.68	3.428E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.039	ug/l	12.67	203.34	4.403E-05	Pulse	0.10	3
Ag	107	115	1	0.018	ug/l	72.99	243.35	4.487E-05	Pulse	0.10	3
Cd	111	115	1	36.850	ug/l	0.54	59,805.86	1.101E-02	Pulse	0.25	3
Cd	111	115	2	37.629	ug/l	0.44	23,007.56	2.000E-02	Pulse	0.25	3
Sn	117	115	1	0.059	ug/l	112.69	243.35	4.487E-05	Pulse	0.10	3
Sn	118	115	1	0.144	ug/l	9.49	1,180.09	2.172E-04	Pulse	0.10	3
Sn	118	115	2	0.091	ug/l	42.24	280.02	2.435E-04	Pulse	0.10	3
Sn	119	115	1	0.207	ug/l	15.45	626.70	1.154E-04	Pulse	0.10	3
Sb	121	159	1	0.015	ug/l	293.17	1,936.87	2.046E-04	Pulse	0.10	3
Ba	137	159	1	18.298	ug/l	1.24	51,152.07	5.402E-03	Pulse	0.10	3
Tl	205	209	1	0.262	ug/l	6.45	5,447.89	1.004E-03	Pulse	0.10	3
Pb	208	209	1	2.694	ug/l	2.23	57,184.40	1.054E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,479,697.53	0.40	69.2	Analog	0.10	3
1	Sc	45	2,882,238.60	1.12	79.6	Analog	0.10	3
2	Sc	45	132,417.86	2.26	75.3	Pulse	0.10	3
3	Sc	45	304,770.64	3.32	82.9	Pulse	0.10	3
1	Ge	72	635,190.68	0.82	83.0	Pulse	0.10	3
2	Ge	72	93,354.48	1.74	81.2	Pulse	0.10	3
3	Ge	72	160,672.65	3.62	86.8	Pulse	0.10	3
1	Rh	103	4,617,597.95	0.63	84.4	Analog	0.10	3
2	Rh	103	2,629,461.42	0.61	82.8	Analog	0.10	3
1	In	115	5,432,316.94	0.67	90.9	Analog	0.10	3
2	In	115	1,150,341.58	0.37	82.4	Pulse	0.10	3
1	Tb	159	9,468,931.73	0.35	98.0	Analog	0.10	3
2	Tb	159	5,161,471.17	0.12	93.1	Analog	0.10	3
1	Ho	165	9,182,769.65	0.36	98.6	Analog	0.10	3
2	Ho	165	5,180,102.01	0.29	94.8	Analog	0.10	3
1	Bi	209	5,426,976.38	0.28	95.0	Analog	0.10	3
2	Bi	209	3,544,520.26	0.43	91.7	Analog	0.10	3

Quantitation Report

File Name	124SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 7:45
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.001	ug/l	-179.61	18.67	1.106E-05	Pulse	0.25	3
B	11	6	1	2.810	ug/l	7.76	9,756.37	5.770E-03	Pulse	0.15	3
Na	23	45	1	7.610	ug/l	1.76	235,674.00	7.755E-02	Pulse	0.10	3
Na	23	45	2	9.482	ug/l	6.24	9,672.98	6.648E-02	Pulse	0.20	3
Mg	24	45	1	0.588	ug/l	9.59	6,544.85	2.154E-03	Pulse	0.10	3
Mg	24	45	2	0.412	ug/l	35.26	153.33	1.054E-03	Pulse	0.20	3
Al	27	45	1	0.323	ug/l	4.50	7,672.04	2.524E-03	Pulse	0.10	3
Al	27	45	2	0.940	ug/l	51.94	98.33	6.739E-04	Pulse	0.20	3
K	39	45	1	-6.306	ug/l	-3.66	760,217.46	2.501E-01	Pulse	0.10	3
K	39	45	2	-1.519	ug/l	-24.09	5,342.63	3.671E-02	Pulse	0.20	3
Ca	43	45	1	-0.718	ug/l	-13.04	85.78	2.822E-05	Pulse	1.50	3
Ca	43	45	2	5.430	ug/l	35.36	5.34	3.675E-05	Pulse	1.50	3
Ca	44	45	1	-2.235	ug/l	-25.28	1,856.84	6.111E-04	Pulse	0.10	3
Ca	44	45	2	0.000	ug/l	-923481.79	30.00	2.087E-04	Pulse	0.20	3
Ti	47	45	1	-0.012	ug/l	-241.40	43.33	1.423E-05	Pulse	0.10	3
Ti	47	45	2	-0.048	ug/l	0.00	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	0.146	ug/l	1.42	635.03	4.363E-03	Pulse	0.20	3
Cr	52	45	2	-0.048	ug/l	-44.12	778.37	5.343E-03	Pulse	0.20	3
Mn	55	45	2	0.032	ug/l	23.42	111.67	7.680E-04	Pulse	0.20	3
Fe	56	45	2	0.261	ug/l	14.07	3,018.67	2.075E-02	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	211.02	16.67	1.149E-04	Pulse	0.20	3
Ni	60	45	2	-0.046	ug/l	-25.22	115.00	7.893E-04	Pulse	0.20	3
Cu	63	45	2	-0.029	ug/l	-23.91	103.33	7.106E-04	Pulse	0.20	3
Cu	65	45	2	-0.029	ug/l	-33.02	50.00	3.432E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.311	ug/l	-5.43	51.67	3.552E-04	Pulse	0.20	3
As	75	45	2	0.025	ug/l	41.89	20.00	1.376E-04	Pulse	0.50	3
Se	78	45	2	-0.104	ug/l	-101.30	9.33	6.388E-05	Pulse	1.00	3
Se	78	45	3	0.005	ug/l	87.91	2.67	8.475E-06	Pulse	1.00	3
Sr	88	45	1	0.004	ug/l	83.16	653.37	2.149E-04	Pulse	0.10	3
Mo	95	103	1	-0.008	ug/l	-10.38	46.67	9.197E-06	Pulse	0.10	3
Ag	107	115	1	-0.003	ug/l	-33.93	70.00	1.213E-05	Pulse	0.10	3
Cd	111	115	1	-0.002	ug/l	-68.27	20.00	3.464E-06	Pulse	0.25	3
Cd	111	115	2	0.000	ug/l	1086.47	6.67	5.236E-06	Pulse	0.25	3
Sn	117	115	1	-0.019	ug/l	-57.31	96.67	1.671E-05	Pulse	0.10	3
Sn	118	115	1	-0.004	ug/l	-78.12	433.36	7.509E-05	Pulse	0.10	3
Sn	118	115	2	0.001	ug/l	1000.28	173.34	1.366E-04	Pulse	0.10	3
Sn	119	115	1	-0.005	ug/l	-117.24	240.01	4.156E-05	Pulse	0.10	3
Sb	121	159	1	-0.102	ug/l	-10.40	710.04	7.361E-05	Pulse	0.10	3
Ba	137	159	1	0.001	ug/l	885.59	780.05	8.081E-05	Pulse	0.10	3
Tl	205	209	1	0.001	ug/l	320.54	1,576.82	2.711E-04	Pulse	0.10	3
Pb	208	209	1	-0.005	ug/l	-10.07	540.03	9.287E-05	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,691,723.90	1.03	79.1	Analog	0.10	3
1	Sc	45	3,039,176.10	0.36	83.9	Analog	0.10	3
2	Sc	45	145,533.02	1.72	82.8	Pulse	0.10	3
3	Sc	45	314,910.78	1.30	85.7	Pulse	0.10	3
1	Ge	72	665,934.94	0.92	87.0	Pulse	0.10	3
2	Ge	72	100,898.58	0.63	87.8	Pulse	0.10	3
3	Ge	72	165,953.61	0.69	89.7	Pulse	0.10	3
1	Rh	103	5,070,858.46	1.07	92.7	Analog	0.10	3
2	Rh	103	2,945,543.29	1.02	92.7	Analog	0.10	3
1	In	115	5,772,301.35	0.84	96.6	Analog	0.10	3
2	In	115	1,267,449.48	1.49	90.7	Pulse	0.10	3
1	Tb	159	9,660,253.19	1.40	100.0	Analog	0.10	3
2	Tb	159	5,387,703.88	0.87	97.2	Analog	0.10	3
1	Ho	165	9,390,942.15	1.14	100.8	Analog	0.10	3
2	Ho	165	5,375,151.17	0.68	98.4	Analog	0.10	3
1	Bi	209	5,815,394.91	0.28	101.8	Analog	0.10	3
2	Bi	209	3,817,410.68	0.19	98.7	Analog	0.10	3

Quantitation Report

File Name	125SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 7:50
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	47.785	ug/l	2.54	139,258.50	8.560E-02	Pulse	0.25	3
B	11	6	1	50.721	ug/l	0.45	135,426.60	8.324E-02	Pulse	0.15	3
Na	23	45	1	4644.182	ug/l	1.34	54,792,739.18	1.864E+01	Analog	0.10	3
Na	23	45	2	4675.454	ug/l	1.10	1,956,863.46	1.397E+01	Analog	0.20	3
Mg	24	45	1	4710.603	ug/l	1.42	36,936,935.28	1.257E+01	Analog	0.10	3
Mg	24	45	2	4499.664	ug/l	1.01	954,486.68	6.813E+00	Pulse	0.20	3
Al	27	45	1	4745.863	ug/l	0.75	49,204,605.93	1.674E+01	Analog	0.10	3
Al	27	45	2	4554.313	ug/l	1.18	348,068.22	2.484E+00	Pulse	0.20	3
K	39	45	1	4946.851	ug/l	1.65	70,049,692.29	2.384E+01	Analog	0.10	3
K	39	45	2	4739.378	ug/l	0.43	945,404.55	6.748E+00	Pulse	0.20	3
Ca	43	45	1	4927.631	ug/l	0.73	140,200.68	4.771E-02	Pulse	1.50	3
Ca	43	45	2	5239.754	ug/l	1.85	3,263.88	2.330E-02	Pulse	1.50	3
Ca	44	45	1	4998.173	ug/l	0.71	2,319,943.09	7.894E-01	Analog	0.10	3
Ca	44	45	2	5041.418	ug/l	1.31	55,591.13	3.968E-01	Pulse	0.20	3
Ti	47	45	1	47.211	ug/l	1.49	64,740.49	2.203E-02	Pulse	0.10	3
Ti	47	45	2	46.540	ug/l	5.69	3,845.53	2.743E-02	Pulse	0.20	3
V	51	45	2	48.837	ug/l	1.45	122,052.04	8.712E-01	Pulse	0.20	3
Cr	52	45	2	48.018	ug/l	0.75	156,561.83	1.117E+00	Pulse	0.20	3
Mn	55	45	2	47.744	ug/l	0.74	84,169.84	6.008E-01	Pulse	0.20	3
Fe	56	45	2	5047.178	ug/l	1.11	12,554,854.39	8.961E+01	Analog	0.20	3
Co	59	45	2	47.523	ug/l	0.80	242,706.66	1.732E+00	Pulse	0.20	3
Ni	60	45	2	47.242	ug/l	1.02	64,014.12	4.569E-01	Pulse	0.20	3
Cu	63	45	2	48.275	ug/l	0.86	175,415.56	1.252E+00	Pulse	0.20	3
Cu	65	45	2	48.438	ug/l	0.79	86,757.89	6.192E-01	Pulse	0.20	3
Zn	66	45	2	49.224	ug/l	1.09	30,174.65	2.154E-01	Pulse	0.20	3
As	75	45	2	50.379	ug/l	0.88	19,062.52	1.361E-01	Pulse	0.50	3
Se	78	45	2	50.006	ug/l	3.27	1,690.43	1.207E-02	Pulse	1.00	3
Se	78	45	3	50.089	ug/l	2.04	6,406.61	2.118E-02	Pulse	1.00	3
Sr	88	45	1	52.998	ug/l	1.13	1,690,649.98	5.753E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	48.098	ug/l	1.71	287,097.61	5.980E-02	Pulse	0.10	3
Ag	107	115	1	45.436	ug/l	1.45	647,461.44	1.177E-01	Pulse	0.10	3
Cd	111	115	1	46.920	ug/l	0.60	154,245.68	2.803E-02	Pulse	0.25	3
Cd	111	115	2	47.348	ug/l	0.50	60,413.10	5.033E-02	Pulse	0.25	3
Sn	117	115	1	48.766	ug/l	1.45	154,680.52	2.811E-02	Pulse	0.10	3
Sn	118	115	1	47.856	ug/l	1.21	492,751.65	8.954E-02	Pulse	0.10	3
Sn	118	115	2	48.041	ug/l	1.74	138,572.79	1.154E-01	Pulse	0.10	3
Sn	119	115	1	47.891	ug/l	0.61	178,725.67	3.248E-02	Pulse	0.10	3
Sb	121	159	1	52.112	ug/l	1.67	585,627.13	6.236E-02	Pulse	0.10	3
Ba	137	159	1	47.343	ug/l	1.90	259,374.20	2.762E-02	Pulse	0.10	3
Tl	205	209	1	45.457	ug/l	1.61	1,411,998.05	2.562E-01	Analog	0.10	3
Pb	208	209	1	48.116	ug/l	0.71	2,050,252.35	3.720E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,626,889.76	0.64	76.1	Analog	0.10	3
1	Sc	45	2,938,785.48	0.46	81.1	Analog	0.10	3
2	Sc	45	140,110.82	1.30	79.7	Pulse	0.10	3
3	Sc	45	302,477.03	1.14	82.3	Pulse	0.10	3
1	Ge	72	632,163.88	0.24	82.6	Pulse	0.10	3
2	Ge	72	93,826.80	0.43	81.6	Pulse	0.10	3
3	Ge	72	158,184.42	0.44	85.5	Pulse	0.10	3
1	Rh	103	4,800,982.22	1.24	87.7	Analog	0.10	3
2	Rh	103	2,772,731.52	0.53	87.3	Analog	0.10	3
1	In	115	5,503,303.48	0.43	92.1	Analog	0.10	3
2	In	115	1,200,457.59	0.71	85.9	Pulse	0.10	3
1	Tb	159	9,391,686.32	0.85	97.2	Analog	0.10	3
2	Tb	159	5,233,237.84	0.96	94.4	Analog	0.10	3
1	Ho	165	9,158,655.28	0.38	98.3	Analog	0.10	3
2	Ho	165	5,207,393.78	1.15	95.3	Analog	0.10	3
1	Bi	209	5,511,620.54	0.36	96.4	Analog	0.10	3
2	Bi	209	3,628,341.51	0.89	93.8	Analog	0.10	3

Quantitation Report

File Name	126SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 7:56
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.002	ug/l	-128.79	14.67	8.807E-06	Pulse	0.25	3
B	11	6	1	2.996	ug/l	0.98	10,112.16	6.070E-03	Pulse	0.15	3
Na	23	45	1	5.686	ug/l	4.48	210,433.58	6.984E-02	Pulse	0.10	3
Na	23	45	2	6.708	ug/l	7.65	8,438.95	5.822E-02	Pulse	0.20	3
Mg	24	45	1	0.642	ug/l	14.46	6,918.38	2.297E-03	Pulse	0.10	3
Mg	24	45	2	0.559	ug/l	12.22	185.01	1.276E-03	Pulse	0.20	3
Al	27	45	1	0.349	ug/l	13.98	7,882.15	2.617E-03	Pulse	0.10	3
Al	27	45	2	0.419	ug/l	60.16	56.67	3.897E-04	Pulse	0.20	3
K	39	45	1	-3.688	ug/l	-9.83	791,240.07	2.626E-01	Pulse	0.10	3
K	39	45	2	-0.766	ug/l	-70.74	5,475.99	3.777E-02	Pulse	0.20	3
Ca	43	45	1	0.169	ug/l	163.28	110.89	3.681E-05	Pulse	1.50	3
Ca	43	45	2	-1.120	ug/l	-52.24	1.11	7.648E-06	Pulse	1.50	3
Ca	44	45	1	-2.056	ug/l	-24.68	1,926.87	6.394E-04	Pulse	0.10	3
Ca	44	45	2	-0.451	ug/l	-353.98	25.00	1.732E-04	Pulse	0.20	3
Ti	47	45	1	0.019	ug/l	129.50	86.67	2.878E-05	Pulse	0.10	3
Ti	47	45	2	-0.048	ug/l	0.00	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	0.031	ug/l	22.24	335.01	2.312E-03	Pulse	0.20	3
Cr	52	45	2	-0.019	ug/l	-88.95	868.37	5.994E-03	Pulse	0.20	3
Mn	55	45	2	0.040	ug/l	22.48	125.00	8.631E-04	Pulse	0.20	3
Fe	56	45	2	0.684	ug/l	11.12	4,095.59	2.826E-02	Pulse	0.20	3
Co	59	45	2	0.000	ug/l	236.81	15.00	1.032E-04	Pulse	0.20	3
Ni	60	45	2	-0.035	ug/l	-60.73	130.00	8.963E-04	Pulse	0.20	3
Cu	63	45	2	-0.021	ug/l	-29.49	133.33	9.184E-04	Pulse	0.20	3
Cu	65	45	2	-0.021	ug/l	-27.57	63.33	4.373E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.147	ug/l	-9.04	155.00	1.069E-03	Pulse	0.20	3
As	75	45	2	0.000	ug/l	-3016.08	10.00	6.887E-05	Pulse	0.50	3
Se	78	45	2	0.003	ug/l	2233.67	13.00	8.951E-05	Pulse	1.00	3
Se	78	45	3	0.042	ug/l	20.88	7.67	2.425E-05	Pulse	1.00	3
Sr	88	45	1	0.006	ug/l	34.52	706.71	2.346E-04	Pulse	0.10	3
Mo	95	103	1	0.065	ug/l	13.22	506.70	1.002E-04	Pulse	0.10	3
Ag	107	115	1	-0.003	ug/l	-50.02	80.00	1.400E-05	Pulse	0.10	3
Cd	111	115	1	0.002	ug/l	148.56	33.33	5.825E-06	Pulse	0.25	3
Cd	111	115	2	-0.004	ug/l	-49.44	1.33	1.065E-06	Pulse	0.25	3
Sn	117	115	1	0.049	ug/l	11.83	320.01	5.595E-05	Pulse	0.10	3
Sn	118	115	1	0.070	ug/l	20.97	1,220.10	2.134E-04	Pulse	0.10	3
Sn	118	115	2	0.077	ug/l	56.64	400.02	3.187E-04	Pulse	0.10	3
Sn	119	115	1	0.062	ug/l	59.53	496.70	8.691E-05	Pulse	0.10	3
Sb	121	159	1	-0.048	ug/l	-29.03	1,323.45	1.389E-04	Pulse	0.10	3
Ba	137	159	1	0.005	ug/l	676.14	793.39	8.321E-05	Pulse	0.10	3
Tl	205	209	1	0.238	ug/l	9.44	9,089.80	1.607E-03	Pulse	0.10	3
Pb	208	209	1	-0.001	ug/l	-188.28	666.70	1.177E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,665,857.19	0.23	77.9	Analog	0.10	3
1	Sc	45	3,013,057.04	0.48	83.2	Analog	0.10	3
2	Sc	45	144,972.54	1.42	82.5	Pulse	0.10	3
3	Sc	45	316,235.02	0.58	86.0	Pulse	0.10	3
1	Ge	72	661,811.34	0.61	86.4	Pulse	0.10	3
2	Ge	72	100,747.54	2.06	87.7	Pulse	0.10	3
3	Ge	72	166,198.75	0.61	89.8	Pulse	0.10	3
1	Rh	103	5,055,767.53	0.71	92.4	Analog	0.10	3
2	Rh	103	2,959,411.31	0.81	93.1	Analog	0.10	3
1	In	115	5,718,606.38	0.33	95.7	Analog	0.10	3
2	In	115	1,258,576.15	1.23	90.1	Pulse	0.10	3
1	Tb	159	9,531,044.65	0.41	98.6	Analog	0.10	3
2	Tb	159	5,359,472.21	1.43	96.7	Analog	0.10	3
1	Ho	165	9,232,714.45	0.14	99.1	Analog	0.10	3
2	Ho	165	5,300,185.13	0.87	97.0	Analog	0.10	3
1	Bi	209	5,659,759.50	0.78	99.0	Analog	0.10	3
2	Bi	209	3,766,220.36	0.71	97.4	Analog	0.10	3

Quantitation Report

File Name	127SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 8:01
Sample Name	CRI 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.564	ug/l	6.32	1,702.77	1.024E-03	Pulse	0.25	3
B	11	6	1	6.832	ug/l	2.22	20,414.81	1.227E-02	Pulse	0.15	3
Na	23	45	1	252.223	ug/l	0.53	3,186,055.37	1.057E+00	Analog	0.10	3
Na	23	45	2	248.508	ug/l	2.09	111,207.20	7.786E-01	Pulse	0.20	3
Mg	24	45	1	251.621	ug/l	0.52	2,025,205.80	6.719E-01	Analog	0.10	3
Mg	24	45	2	240.223	ug/l	1.16	52,013.37	3.641E-01	Pulse	0.20	3
Al	27	45	1	25.023	ug/l	1.22	270,235.89	8.966E-02	Pulse	0.10	3
Al	27	45	2	23.878	ug/l	2.77	1,883.48	1.319E-02	Pulse	0.20	3
K	39	45	1	261.328	ug/l	0.54	4,595,112.33	1.525E+00	Analog	0.10	3
K	39	45	2	252.134	ug/l	1.12	56,538.80	3.958E-01	Pulse	0.20	3
Ca	43	45	1	260.294	ug/l	0.78	7,695.77	2.553E-03	Pulse	1.50	3
Ca	43	45	2	304.754	ug/l	17.14	195.33	1.367E-03	Pulse	1.50	3
Ca	44	45	1	258.776	ug/l	1.32	125,938.27	4.178E-02	Pulse	0.10	3
Ca	44	45	2	277.060	ug/l	7.52	3,142.02	2.200E-02	Pulse	0.20	3
Ti	47	45	1	1.070	ug/l	9.70	1,563.47	5.188E-04	Pulse	0.10	3
Ti	47	45	2	0.844	ug/l	12.33	75.00	5.251E-04	Pulse	0.20	3
V	51	45	2	1.091	ug/l	1.47	3,027.00	2.119E-02	Pulse	0.20	3
Cr	52	45	2	1.092	ug/l	2.59	4,529.04	3.171E-02	Pulse	0.20	3
Mn	55	45	2	0.565	ug/l	13.10	1,065.06	7.462E-03	Pulse	0.20	3
Fe	56	45	2	28.427	ug/l	0.60	74,385.42	5.207E-01	Pulse	0.20	3
Co	59	45	2	0.562	ug/l	5.03	2,938.65	2.058E-02	Pulse	0.20	3
Ni	60	45	2	1.209	ug/l	2.64	1,843.48	1.290E-02	Pulse	0.20	3
Cu	63	45	2	1.145	ug/l	3.55	4,445.70	3.113E-02	Pulse	0.20	3
Cu	65	45	2	1.100	ug/l	6.13	2,108.51	1.475E-02	Pulse	0.20	3
Zn	66	45	2	2.545	ug/l	0.71	1,821.81	1.275E-02	Pulse	0.20	3
As	75	45	2	0.537	ug/l	19.24	216.67	1.519E-03	Pulse	0.50	3
Se	78	45	2	0.341	ug/l	7.03	24.33	1.704E-04	Pulse	1.00	3
Se	78	45	3	0.543	ug/l	22.82	73.67	2.359E-04	Pulse	1.00	3
Sr	88	45	1	5.283	ug/l	0.78	173,313.46	5.750E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.047	ug/l	4.52	6,604.97	1.321E-03	Pulse	0.10	3
Ag	107	115	1	0.516	ug/l	1.88	7,678.79	1.357E-03	Pulse	0.10	3
Cd	111	115	1	0.534	ug/l	5.29	1,830.80	3.235E-04	Pulse	0.25	3
Cd	111	115	2	0.509	ug/l	9.92	688.03	5.461E-04	Pulse	0.25	3
Sn	117	115	1	4.567	ug/l	2.06	15,037.72	2.657E-03	Pulse	0.10	3
Sn	118	115	1	4.704	ug/l	1.01	50,227.83	8.876E-03	Pulse	0.10	3
Sn	118	115	2	4.698	ug/l	0.30	14,373.67	1.141E-02	Pulse	0.10	3
Sn	119	115	1	4.766	ug/l	4.68	18,518.20	3.273E-03	Pulse	0.10	3
Sb	121	159	1	0.505	ug/l	1.17	7,552.12	7.984E-04	Pulse	0.10	3
Ba	137	159	1	1.095	ug/l	5.26	6,785.08	7.172E-04	Pulse	0.10	3
Tl	205	209	1	0.530	ug/l	3.20	18,215.30	3.250E-03	Pulse	0.10	3
Pb	208	209	1	0.546	ug/l	2.61	24,355.49	4.346E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,663,531.34	0.55	77.8	Analog	0.10	3
1	Sc	45	3,014,052.04	0.41	83.2	Analog	0.10	3
2	Sc	45	142,849.42	1.06	81.2	Pulse	0.10	3
3	Sc	45	312,492.98	1.09	85.0	Pulse	0.10	3
1	Ge	72	658,328.87	0.35	86.0	Pulse	0.10	3
2	Ge	72	98,711.77	1.65	85.9	Pulse	0.10	3
3	Ge	72	163,678.19	1.07	88.5	Pulse	0.10	3
1	Rh	103	4,999,489.09	0.41	91.4	Analog	0.10	3
2	Rh	103	2,894,584.75	1.09	91.1	Analog	0.10	3
1	In	115	5,658,800.27	0.30	94.7	Analog	0.10	3
2	In	115	1,259,846.45	0.51	90.2	Pulse	0.10	3
1	Tb	159	9,459,160.27	0.34	97.9	Analog	0.10	3
2	Tb	159	5,303,622.63	0.74	95.7	Analog	0.10	3
1	Ho	165	9,095,899.03	0.24	97.6	Analog	0.10	3
2	Ho	165	5,270,730.34	0.05	96.5	Analog	0.10	3
1	Bi	209	5,604,723.04	0.06	98.1	Analog	0.10	3
2	Bi	209	3,742,683.17	0.58	96.8	Analog	0.10	3

Quantitation Report

File Name	128SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 8:06
Sample Name	sampleconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.576	ug/l	2.94	1,726.78	1.045E-03	Pulse	0.25	3
B	11	6	1	6.895	ug/l	6.01	20,439.40	1.237E-02	Pulse	0.15	3
Na	23	45	1	249.794	ug/l	0.95	3,156,286.93	1.047E+00	Analog	0.10	3
Na	23	45	2	248.938	ug/l	2.66	110,513.00	7.799E-01	Pulse	0.20	3
Mg	24	45	1	250.804	ug/l	0.36	2,018,264.55	6.697E-01	Analog	0.10	3
Mg	24	45	2	249.211	ug/l	3.21	53,523.12	3.777E-01	Pulse	0.20	3
Al	27	45	1	25.055	ug/l	0.84	270,524.07	8.977E-02	Pulse	0.10	3
Al	27	45	2	24.225	ug/l	3.41	1,895.15	1.337E-02	Pulse	0.20	3
K	39	45	1	260.527	ug/l	0.19	4,582,755.76	1.521E+00	Analog	0.10	3
K	39	45	2	250.256	ug/l	0.68	55,716.03	3.931E-01	Pulse	0.20	3
Ca	43	45	1	261.021	ug/l	0.82	7,715.57	2.560E-03	Pulse	1.50	3
Ca	43	45	2	299.577	ug/l	5.31	190.45	1.344E-03	Pulse	1.50	3
Ca	44	45	1	258.166	ug/l	0.93	125,625.01	4.169E-02	Pulse	0.10	3
Ca	44	45	2	258.401	ug/l	4.47	2,910.31	2.053E-02	Pulse	0.20	3
Ti	47	45	1	0.921	ug/l	20.92	1,353.44	4.489E-04	Pulse	0.10	3
Ti	47	45	2	0.593	ug/l	43.30	53.33	3.777E-04	Pulse	0.20	3
V	51	45	2	1.074	ug/l	7.87	2,960.32	2.088E-02	Pulse	0.20	3
Cr	52	45	2	1.075	ug/l	2.79	4,440.70	3.133E-02	Pulse	0.20	3
Mn	55	45	2	0.547	ug/l	4.00	1,026.72	7.246E-03	Pulse	0.20	3
Fe	56	45	2	28.537	ug/l	1.94	74,072.11	5.227E-01	Pulse	0.20	3
Co	59	45	2	0.541	ug/l	10.65	2,803.63	1.979E-02	Pulse	0.20	3
Ni	60	45	2	1.287	ug/l	7.00	1,933.48	1.365E-02	Pulse	0.20	3
Cu	63	45	2	1.114	ug/l	3.11	4,297.32	3.031E-02	Pulse	0.20	3
Cu	65	45	2	1.119	ug/l	4.21	2,125.18	1.500E-02	Pulse	0.20	3
Zn	66	45	2	2.598	ug/l	10.15	1,840.14	1.298E-02	Pulse	0.20	3
As	75	45	2	0.621	ug/l	8.29	247.33	1.746E-03	Pulse	0.50	3
Se	78	45	2	0.671	ug/l	29.61	35.33	2.495E-04	Pulse	1.00	3
Se	78	45	3	0.561	ug/l	11.90	75.33	2.437E-04	Pulse	1.00	3
Sr	88	45	1	5.214	ug/l	0.76	171,006.32	5.675E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.004	ug/l	1.29	6,294.83	1.268E-03	Pulse	0.10	3
Ag	107	115	1	0.518	ug/l	2.83	7,718.84	1.362E-03	Pulse	0.10	3
Cd	111	115	1	0.538	ug/l	1.97	1,844.13	3.256E-04	Pulse	0.25	3
Cd	111	115	2	0.493	ug/l	9.01	660.02	5.288E-04	Pulse	0.25	3
Sn	117	115	1	4.572	ug/l	1.68	15,067.85	2.660E-03	Pulse	0.10	3
Sn	118	115	1	4.627	ug/l	0.33	49,458.68	8.732E-03	Pulse	0.10	3
Sn	118	115	2	4.639	ug/l	4.55	14,060.12	1.127E-02	Pulse	0.10	3
Sn	119	115	1	4.621	ug/l	2.23	17,977.53	3.174E-03	Pulse	0.10	3
Sb	121	159	1	0.542	ug/l	3.92	7,852.31	8.428E-04	Pulse	0.10	3
Ba	137	159	1	1.056	ug/l	1.24	6,468.26	6.943E-04	Pulse	0.10	3
Tl	205	209	1	0.506	ug/l	9.45	17,380.89	3.113E-03	Pulse	0.10	3
Pb	208	209	1	0.520	ug/l	2.57	23,158.13	4.147E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,651,790.51	0.13	77.3	Analog	0.10	3
1	Sc	45	3,013,501.93	0.52	83.2	Analog	0.10	3
2	Sc	45	141,737.78	1.39	80.6	Pulse	0.10	3
3	Sc	45	309,192.42	1.19	84.1	Pulse	0.10	3
1	Ge	72	655,176.62	0.22	85.6	Pulse	0.10	3
2	Ge	72	98,959.72	1.31	86.1	Pulse	0.10	3
3	Ge	72	163,476.27	0.71	88.3	Pulse	0.10	3
1	Rh	103	4,966,016.18	0.71	90.8	Analog	0.10	3
2	Rh	103	2,874,147.67	0.84	90.5	Analog	0.10	3
1	In	115	5,664,231.66	0.95	94.8	Analog	0.10	3
2	In	115	1,247,525.54	0.85	89.3	Pulse	0.10	3
1	Tb	159	9,315,519.66	0.55	96.4	Analog	0.10	3
2	Tb	159	5,271,185.76	0.25	95.1	Analog	0.10	3
1	Ho	165	9,039,829.87	0.85	97.0	Analog	0.10	3
2	Ho	165	5,229,556.07	0.06	95.7	Analog	0.10	3
1	Bi	209	5,583,852.62	0.21	97.7	Analog	0.10	3
2	Bi	209	3,743,301.51	0.81	96.8	Analog	0.10	3

Quantitation Report

File Name	129SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 8:11
Sample Name	mp68796-mb1 1
Sample Type	Sample
Comment	epa
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	-0.005	ug/l	-56.61	8.00	4.752E-06	Pulse	0.25	3
B	11	6	1	1.828	ug/l	5.09	6,994.93	4.182E-03	Pulse	0.15	3
Na	23	45	1	6.605	ug/l	1.56	222,493.73	7.352E-02	Pulse	0.10	3
Na	23	45	2	7.357	ug/l	2.83	8,750.77	6.015E-02	Pulse	0.20	3
Mg	24	45	1	0.813	ug/l	9.01	8,335.74	2.755E-03	Pulse	0.10	3
Mg	24	45	2	0.646	ug/l	18.07	205.01	1.408E-03	Pulse	0.20	3
Al	27	45	1	1.441	ug/l	5.21	19,568.84	6.467E-03	Pulse	0.10	3
Al	27	45	2	2.103	ug/l	29.87	190.01	1.309E-03	Pulse	0.20	3
K	39	45	1	-3.029	ug/l	-13.13	804,184.28	2.657E-01	Pulse	0.10	3
K	39	45	2	0.148	ug/l	718.47	5,681.07	3.907E-02	Pulse	0.20	3
Ca	43	45	1	1.761	ug/l	49.12	158.00	5.221E-05	Pulse	1.50	3
Ca	43	45	2	6.390	ug/l	104.62	6.00	4.102E-05	Pulse	1.50	3
Ca	44	45	1	0.434	ug/l	53.64	3,123.78	1.032E-03	Pulse	0.10	3
Ca	44	45	2	1.297	ug/l	182.85	45.00	3.107E-04	Pulse	0.20	3
Ti	47	45	1	0.014	ug/l	225.53	80.00	2.646E-05	Pulse	0.10	3
Ti	47	45	2	0.011	ug/l	559.66	5.00	3.459E-05	Pulse	0.20	3
V	51	45	2	0.018	ug/l	60.17	301.68	2.073E-03	Pulse	0.20	3
Cr	52	45	2	0.064	ug/l	15.40	1,151.73	7.916E-03	Pulse	0.20	3
Mn	55	45	2	0.047	ug/l	31.72	138.33	9.509E-04	Pulse	0.20	3
Fe	56	45	2	1.494	ug/l	4.04	6,199.62	4.263E-02	Pulse	0.20	3
Co	59	45	2	-0.001	ug/l	-162.60	10.00	6.850E-05	Pulse	0.20	3
Ni	60	45	2	-0.024	ug/l	-26.06	146.67	1.008E-03	Pulse	0.20	3
Cu	63	45	2	0.064	ug/l	51.43	453.35	3.122E-03	Pulse	0.20	3
Cu	65	45	2	0.069	ug/l	13.98	231.68	1.593E-03	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.119	ug/l	17.73	323.34	2.223E-03	Pulse	0.20	3
As	75	45	2	-0.004	ug/l	-303.25	8.67	5.971E-05	Pulse	0.50	3
Se	78	45	2	-0.083	ug/l	-62.23	10.00	6.882E-05	Pulse	1.00	3
Se	78	45	3	0.013	ug/l	136.89	3.67	1.181E-05	Pulse	1.00	3
Sr	88	45	1	0.010	ug/l	8.86	846.73	2.798E-04	Pulse	0.10	3
Mo	95	103	1	-0.001	ug/l	-838.42	93.34	1.859E-05	Pulse	0.10	3
Ag	107	115	1	-0.001	ug/l	-89.24	103.34	1.822E-05	Pulse	0.10	3
Cd	111	115	1	-0.004	ug/l	-41.07	10.67	1.878E-06	Pulse	0.25	3
Cd	111	115	2	0.000	ug/l	1536.16	6.67	5.220E-06	Pulse	0.25	3
Sn	117	115	1	0.013	ug/l	140.40	200.01	3.524E-05	Pulse	0.10	3
Sn	118	115	1	0.011	ug/l	144.65	590.04	1.041E-04	Pulse	0.10	3
Sn	118	115	2	-0.016	ug/l	-59.64	120.01	9.448E-05	Pulse	0.10	3
Sn	119	115	1	0.007	ug/l	328.57	283.35	4.992E-05	Pulse	0.10	3
Sb	121	159	1	-0.068	ug/l	-10.92	1,073.41	1.141E-04	Pulse	0.10	3
Ba	137	159	1	0.047	ug/l	49.38	1,010.07	1.073E-04	Pulse	0.10	3
Tl	205	209	1	0.005	ug/l	53.76	1,670.17	2.952E-04	Pulse	0.10	3
Pb	208	209	1	0.023	ug/l	26.71	1,746.79	3.089E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,672,978.96	0.95	78.2	Analog	0.10	3
1	Sc	45	3,026,200.89	0.32	83.6	Analog	0.10	3
2	Sc	45	145,458.72	1.19	82.7	Pulse	0.10	3
3	Sc	45	311,727.65	1.25	84.8	Pulse	0.10	3
1	Ge	72	658,632.14	0.57	86.0	Pulse	0.10	3
2	Ge	72	101,107.12	1.57	88.0	Pulse	0.10	3
3	Ge	72	163,860.92	0.55	88.5	Pulse	0.10	3
1	Rh	103	5,020,822.95	0.16	91.8	Analog	0.10	3
2	Rh	103	2,919,005.37	0.15	91.9	Analog	0.10	3
1	In	115	5,668,792.07	0.77	94.9	Analog	0.10	3
2	In	115	1,269,371.66	0.95	90.9	Pulse	0.10	3
1	Tb	159	9,412,083.61	0.16	97.4	Analog	0.10	3
2	Tb	159	5,298,762.01	0.28	95.6	Analog	0.10	3
1	Ho	165	9,110,864.24	0.53	97.8	Analog	0.10	3
2	Ho	165	5,297,569.71	0.62	97.0	Analog	0.10	3
1	Bi	209	5,657,688.25	0.46	99.0	Analog	0.10	3
2	Bi	209	3,803,831.30	0.75	98.4	Analog	0.10	3

Quantitation Report

File Name	130SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 8:16
Sample Name	mp68796-lc1
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	105.564	ug/l	2.23	301,763.21	1.891E-01	Pulse	0.25	3
B	11	6	1	2.040	ug/l	6.34	7,221.74	4.524E-03	Pulse	0.15	3
Na	23	45	1	1931.651	ug/l	0.68	22,408,200.50	7.782E+00	Analog	0.10	3
Na	23	45	2	1876.155	ug/l	2.21	762,221.71	5.628E+00	Pulse	0.20	3
Mg	24	45	1	1968.333	ug/l	1.36	15,123,133.11	5.252E+00	Analog	0.10	3
Mg	24	45	2	1898.523	ug/l	2.15	389,352.40	2.875E+00	Pulse	0.20	3
Al	27	45	1	100.107	ug/l	1.00	1,020,835.27	3.545E-01	Pulse	0.10	3
Al	27	45	2	99.264	ug/l	1.44	7,356.72	5.431E-02	Pulse	0.20	3
K	39	45	1	2055.668	ug/l	1.25	28,992,397.07	1.007E+01	Analog	0.10	3
K	39	45	2	1941.610	ug/l	2.02	377,519.40	2.787E+00	Pulse	0.20	3
Ca	43	45	1	2011.125	ug/l	0.58	56,124.16	1.949E-02	Pulse	1.50	3
Ca	43	45	2	1977.902	ug/l	3.55	1,192.05	8.802E-03	Pulse	1.50	3
Ca	44	45	1	1999.478	ug/l	0.67	910,978.76	3.164E-01	Pulse	0.10	3
Ca	44	45	2	1972.891	ug/l	1.07	21,048.56	1.554E-01	Pulse	0.20	3
Ti	47	45	1	0.079	ug/l	28.49	163.34	5.672E-05	Pulse	0.10	3
Ti	47	45	2	-0.048	ug/l	0.00	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	109.530	ug/l	1.51	264,338.25	1.952E+00	Pulse	0.20	3
Cr	52	45	2	107.365	ug/l	1.22	337,344.21	2.491E+00	Pulse	0.20	3
Mn	55	45	2	106.969	ug/l	1.35	182,255.92	1.346E+00	Pulse	0.20	3
Fe	56	45	2	2165.983	ug/l	1.77	5,209,880.76	3.847E+01	Analog	0.20	3
Co	59	45	2	108.594	ug/l	1.86	536,133.49	3.958E+00	Pulse	0.20	3
Ni	60	45	2	107.995	ug/l	2.13	141,252.99	1.043E+00	Pulse	0.20	3
Cu	63	45	2	109.900	ug/l	2.03	385,808.82	2.849E+00	Pulse	0.20	3
Cu	65	45	2	111.145	ug/l	1.34	192,326.32	1.420E+00	Pulse	0.20	3
Zn	66	45	2	111.820	ug/l	0.94	65,975.83	4.871E-01	Pulse	0.20	3
As	75	45	2	113.690	ug/l	1.79	41,578.83	3.070E-01	Pulse	0.50	3
Se	78	45	2	220.703	ug/l	2.51	7,171.59	5.295E-02	Pulse	1.00	3
Se	78	45	3	218.087	ug/l	1.27	26,957.21	9.220E-02	Pulse	1.00	3
Sr	88	45	1	0.128	ug/l	11.54	4,487.46	1.558E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.017	ug/l	31.45	190.01	4.003E-05	Pulse	0.10	3
Ag	107	115	1	102.290	ug/l	0.76	1,445,891.38	2.648E-01	Analog	0.10	3
Cd	111	115	1	103.509	ug/l	0.56	337,540.13	6.183E-02	Pulse	0.25	3
Cd	111	115	2	105.305	ug/l	1.07	133,251.11	1.119E-01	Pulse	0.25	3
Sn	117	115	1	0.021	ug/l	59.18	216.68	3.970E-05	Pulse	0.10	3
Sn	118	115	1	0.029	ug/l	17.40	743.38	1.362E-04	Pulse	0.10	3
Sn	118	115	2	0.029	ug/l	38.02	243.34	2.044E-04	Pulse	0.10	3
Sn	119	115	1	-0.005	ug/l	-407.48	226.68	4.152E-05	Pulse	0.10	3
Sb	121	159	1	116.047	ug/l	0.77	1,279,443.03	1.386E-01	Pulse	0.10	3
Ba	137	159	1	105.131	ug/l	0.79	565,141.14	6.123E-02	Pulse	0.10	3
Tl	205	209	1	104.738	ug/l	1.32	3,217,424.95	5.899E-01	Analog	0.10	3
Pb	208	209	1	106.347	ug/l	0.61	4,483,126.44	8.220E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,596,028.84	0.62	74.6	Analog	0.10	3
1	Sc	45	2,879,437.77	0.14	79.5	Analog	0.10	3
2	Sc	45	135,461.27	1.31	77.0	Pulse	0.10	3
3	Sc	45	292,412.88	1.36	79.5	Pulse	0.10	3
1	Ge	72	624,423.17	0.58	81.6	Pulse	0.10	3
2	Ge	72	93,327.02	1.21	81.2	Pulse	0.10	3
3	Ge	72	152,275.48	0.79	82.3	Pulse	0.10	3
1	Rh	103	4,748,328.26	0.43	86.8	Analog	0.10	3
2	Rh	103	2,748,607.25	0.26	86.5	Analog	0.10	3
1	In	115	5,459,427.01	0.15	91.4	Analog	0.10	3
2	In	115	1,190,576.18	0.18	85.2	Pulse	0.10	3
1	Tb	159	9,229,574.65	0.98	95.5	Analog	0.10	3
2	Tb	159	5,130,216.49	0.41	92.6	Analog	0.10	3
1	Ho	165	8,947,517.58	0.59	96.0	Analog	0.10	3
2	Ho	165	5,134,662.53	0.34	94.0	Analog	0.10	3
1	Bi	209	5,453,893.88	0.10	95.4	Analog	0.10	3
2	Bi	209	3,594,281.82	0.62	93.0	Analog	0.10	3

Quantitation Report

File Name	131SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 8:21
Sample Name	mp68796-s1
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	111.611	ug/l	2.08	316,998.06	1.999E-01	Pulse	0.25	3
B	11	6	1	158.418	ug/l	2.10	408,142.13	2.574E-01	Pulse	0.15	3
Na	23	45	1	341362.939	ug/l	1.61	4,551,494,972.18	1.367E+03	Analog	0.10	3
Na	23	45	2	379880.386	ug/l	0.71	182,731,683.94	1.132E+03	Analog	0.20	3
Mg	24	45	1	165915.068	ug/l	0.76	1,473,791,444.71	4.427E+02	Analog	0.10	3
Mg	24	45	2	172943.345	ug/l	0.90	42,273,311.04	2.618E+02	Analog	0.20	3
Al	27	45	1	397.607	ug/l	1.59	4,674,838.47	1.404E+00	Analog	0.10	3
Al	27	45	2	396.233	ug/l	1.46	34,921.78	2.163E-01	Pulse	0.20	3
K	39	45	1	30891.610	ug/l	0.34	490,679,526.02	1.474E+02	Analog	0.10	3
K	39	45	2	31667.410	ug/l	1.18	7,243,764.68	4.487E+01	Analog	0.20	3
Ca	43	45	1	314744.945	ug/l	0.81	10,138,185.33	3.045E+00	Analog	1.50	3
Ca	43	45	2	326359.233	ug/l	0.93	234,144.65	1.450E+00	Pulse	1.50	3
Ca	44	45	1	314913.920	ug/l	0.47	165,383,930.87	4.968E+01	Analog	0.10	3
Ca	44	45	2	330260.350	ug/l	0.83	4,194,463.17	2.598E+01	Analog	0.20	3
Ti	47	45	1	27.800	ug/l	0.73	43,217.73	1.298E-02	Pulse	0.10	3
Ti	47	45	2	9.924	ug/l	18.68	948.38	5.872E-03	Pulse	0.20	3
V	51	45	2	119.127	ug/l	0.41	342,687.19	2.122E+00	Pulse	0.20	3
Cr	52	45	2	99.666	ug/l	0.80	373,357.10	2.312E+00	Pulse	0.20	3
Mn	55	45	2	152.267	ug/l	0.99	309,213.73	1.915E+00	Pulse	0.20	3
Fe	56	45	2	2578.120	ug/l	0.70	7,391,686.97	4.578E+01	Analog	0.20	3
Co	59	45	2	88.873	ug/l	1.11	523,034.40	3.240E+00	Pulse	0.20	3
Ni	60	45	2	87.597	ug/l	1.32	136,621.46	8.462E-01	Pulse	0.20	3
Cu	63	45	2	88.297	ug/l	1.46	369,538.21	2.289E+00	Pulse	0.20	3
Cu	65	45	2	88.050	ug/l	0.70	181,639.21	1.125E+00	Pulse	0.20	3
Zn	66	45	2	100.164	ug/l	0.34	70,472.65	4.365E-01	Pulse	0.20	3
As	75	45	2	110.845	ug/l	1.50	48,319.91	2.993E-01	Pulse	0.50	3
Se	78	45	2	196.835	ug/l	0.85	7,626.47	4.724E-02	Pulse	1.00	3
Se	78	45	3	194.039	ug/l	0.75	28,102.14	8.203E-02	Pulse	1.00	3
Sr	88	45	1	1050.794	ug/l	0.78	37,965,317.77	1.140E+01	Analog	0.10	3
Mo	95	103	1	4.517	ug/l	2.12	24,760.06	5.634E-03	Pulse	0.10	3
Ag	107	115	1	91.806	ug/l	0.63	1,237,006.80	2.377E-01	Pulse	0.10	3
Cd	111	115	1	96.376	ug/l	0.27	299,566.51	5.757E-02	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	95.529	ug/l	1.14	118,015.29	1.015E-01	Pulse	0.25	3
Sn	117	115	1	0.737	ug/l	4.44	2,353.61	4.522E-04	Pulse	0.10	3
Sn	118	115	1	0.727	ug/l	3.62	7,505.43	1.442E-03	Pulse	0.10	3
Sn	118	115	2	0.710	ug/l	16.12	2,136.91	1.838E-03	Pulse	0.10	3
Sn	119	115	1	0.789	ug/l	6.73	3,013.73	5.793E-04	Pulse	0.10	3
Sb	121	159	1	116.334	ug/l	1.06	1,250,594.98	1.390E-01	Pulse	0.10	3
Ba	137	159	1	377.066	ug/l	1.08	1,974,508.98	2.194E-01	Analog	0.10	3
Tl	205	209	1	110.624	ug/l	0.71	2,879,580.79	6.231E-01	Analog	0.10	3
Pb	208	209	1	110.970	ug/l	0.72	3,964,072.21	8.577E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,585,529.56	0.92	74.2	Analog	0.10	3
1	Sc	45	3,329,249.74	1.33	91.9	Analog	0.10	3
2	Sc	45	161,455.97	0.32	91.8	Pulse	0.10	3
3	Sc	45	342,557.69	0.67	93.2	Pulse	0.10	3
1	Ge	72	641,207.43	1.30	83.8	Pulse	0.10	3
2	Ge	72	96,894.73	1.34	84.3	Pulse	0.10	3
3	Ge	72	159,503.92	0.74	86.2	Pulse	0.10	3
1	Rh	103	4,393,764.62	1.82	80.3	Analog	0.10	3
2	Rh	103	2,519,264.39	0.18	79.3	Analog	0.10	3
1	In	115	5,203,842.97	0.94	87.1	Analog	0.10	3
2	In	115	1,162,372.18	0.39	83.2	Pulse	0.10	3
1	Tb	159	8,998,407.99	0.64	93.1	Analog	0.10	3
2	Tb	159	4,983,483.26	0.36	89.9	Analog	0.10	3
1	Ho	165	8,754,084.24	0.93	94.0	Analog	0.10	3
2	Ho	165	4,952,283.68	1.13	90.6	Analog	0.10	3
1	Bi	209	4,621,449.62	0.88	80.9	Analog	0.10	3
2	Bi	209	2,949,917.35	0.51	76.3	Analog	0.10	3

Quantitation Report

File Name	132SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 8:27
Sample Name	mp68796-s2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	113.620	ug/l	0.66	318,037.63	2.035E-01	Pulse	0.25	3
B	11	6	1	160.957	ug/l	0.52	408,678.96	2.615E-01	Pulse	0.15	3
Na	23	45	1	OR	ug/l	---	OR	9.187E+02	Error	0.10	3
Na	23	45	2	378180.862	ug/l	1.22	179,803,503.99	1.127E+03	Analog	0.20	3
Mg	24	45	1	168900.598	ug/l	1.78	1,467,559,978.13	4.506E+02	Analog	0.10	3
Mg	24	45	2	173514.277	ug/l	0.71	41,922,071.04	2.627E+02	Analog	0.20	3
Al	27	45	1	455.159	ug/l	0.69	5,232,901.69	1.607E+00	Analog	0.10	3
Al	27	45	2	455.304	ug/l	3.73	39,650.59	2.485E-01	Pulse	0.20	3
K	39	45	1	31353.308	ug/l	0.75	487,098,899.41	1.496E+02	Analog	0.10	3
K	39	45	2	31958.560	ug/l	0.51	7,225,888.64	4.528E+01	Analog	0.20	3
Ca	43	45	1	319244.329	ug/l	1.00	10,057,988.89	3.089E+00	Analog	1.50	3
Ca	43	45	2	330991.063	ug/l	1.08	234,714.51	1.471E+00	Pulse	1.50	3
Ca	44	45	1	319500.286	ug/l	0.35	164,137,110.89	5.040E+01	Analog	0.10	3
Ca	44	45	2	335228.958	ug/l	1.29	4,208,112.33	2.637E+01	Analog	0.20	3
Ti	47	45	1	30.797	ug/l	2.76	46,812.28	1.438E-02	Pulse	0.10	3
Ti	47	45	2	11.122	ug/l	4.74	1,050.06	6.577E-03	Pulse	0.20	3
V	51	45	2	120.641	ug/l	0.93	343,013.22	2.149E+00	Pulse	0.20	3
Cr	52	45	2	100.674	ug/l	0.99	372,750.01	2.336E+00	Pulse	0.20	3
Mn	55	45	2	155.246	ug/l	1.30	311,601.60	1.953E+00	Pulse	0.20	3
Fe	56	45	2	2729.286	ug/l	1.06	7,734,185.30	4.847E+01	Analog	0.20	3
Co	59	45	2	91.380	ug/l	1.07	531,574.20	3.331E+00	Pulse	0.20	3
Ni	60	45	2	88.195	ug/l	0.62	135,961.02	8.520E-01	Pulse	0.20	3
Cu	63	45	2	88.918	ug/l	0.52	367,839.42	2.305E+00	Pulse	0.20	3
Cu	65	45	2	89.057	ug/l	0.51	181,590.75	1.138E+00	Pulse	0.20	3
Zn	66	45	2	105.480	ug/l	1.22	73,335.00	4.596E-01	Pulse	0.20	3
As	75	45	2	111.551	ug/l	0.88	48,067.14	3.012E-01	Pulse	0.50	3
Se	78	45	2	200.314	ug/l	1.76	7,670.82	4.807E-02	Pulse	1.00	3
Se	78	45	3	199.359	ug/l	1.02	28,115.85	8.428E-02	Pulse	1.00	3
Sr	88	45	1	1080.988	ug/l	0.81	38,199,326.93	1.173E+01	Analog	0.10	3
Mo	95	103	1	4.541	ug/l	2.22	24,422.80	5.663E-03	Pulse	0.10	3
Ag	107	115	1	92.676	ug/l	0.47	1,237,573.37	2.400E-01	Pulse	0.10	3
Cd	111	115	1	97.565	ug/l	0.42	300,567.77	5.828E-02	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	96.433	ug/l	0.78	117,855.41	1.025E-01	Pulse	0.25	3
Sn	117	115	1	0.840	ug/l	8.79	2,637.01	5.115E-04	Pulse	0.10	3
Sn	118	115	1	0.871	ug/l	2.79	8,819.47	1.710E-03	Pulse	0.10	3
Sn	118	115	2	0.869	ug/l	9.93	2,550.31	2.220E-03	Pulse	0.10	3
Sn	119	115	1	0.972	ug/l	4.47	3,627.24	7.031E-04	Pulse	0.10	3
Sb	121	159	1	118.514	ug/l	0.60	1,268,083.24	1.416E-01	Pulse	0.10	3
Ba	137	159	1	393.141	ug/l	0.66	2,049,098.15	2.288E-01	Analog	0.10	3
Tl	205	209	1	114.388	ug/l	0.83	2,933,931.10	6.443E-01	Analog	0.10	3
Pb	208	209	1	114.175	ug/l	0.90	4,018,896.58	8.825E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,562,794.49	1.45	73.1	Analog	0.10	3
1	Sc	45	3,256,524.22	1.65	89.9	Analog	0.10	3
2	Sc	45	159,593.43	1.10	90.8	Pulse	0.10	3
3	Sc	45	333,627.14	1.72	90.8	Pulse	0.10	3
1	Ge	72	630,088.36	0.40	82.3	Pulse	0.10	3
2	Ge	72	94,303.16	0.36	82.1	Pulse	0.10	3
3	Ge	72	154,301.11	1.23	83.4	Pulse	0.10	3
1	Rh	103	4,312,577.44	0.83	78.8	Analog	0.10	3
2	Rh	103	2,488,096.32	0.89	78.3	Analog	0.10	3
1	In	115	5,157,682.91	0.88	86.3	Analog	0.10	3
2	In	115	1,149,864.39	1.42	82.3	Pulse	0.10	3
1	Tb	159	8,956,883.62	0.38	92.7	Analog	0.10	3
2	Tb	159	4,922,723.47	0.67	88.8	Analog	0.10	3
1	Ho	165	8,705,176.12	0.50	93.4	Analog	0.10	3
2	Ho	165	4,890,415.45	0.74	89.5	Analog	0.10	3
1	Bi	209	4,554,002.64	0.41	79.7	Analog	0.10	3
2	Bi	209	2,900,392.25	0.53	75.0	Analog	0.10	3

Quantitation Report

File Name	133SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 8:32
Sample Name	mp68796-s3
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	105.234	ug/l	1.23	289,735.03	1.885E-01	Pulse	0.25	3
B	11	6	1	38.785	ug/l	0.28	98,284.17	6.394E-02	Pulse	0.15	3
Na	23	45	1	53370.656	ug/l	0.36	637,776,217.16	2.138E+02	Analog	0.10	3
Na	23	45	2	54564.227	ug/l	1.71	22,309,762.17	1.626E+02	Analog	0.20	3
Mg	24	45	1	108240.627	ug/l	0.35	861,625,907.16	2.888E+02	Analog	0.10	3
Mg	24	45	2	109166.027	ug/l	1.82	22,677,003.83	1.653E+02	Analog	0.20	3
Al	27	45	1	155.493	ug/l	0.93	1,640,732.01	5.499E-01	Analog	0.10	3
Al	27	45	2	155.297	ug/l	2.47	11,644.25	8.487E-02	Pulse	0.20	3
K	39	45	1	11551.369	ug/l	0.53	164,949,724.21	5.529E+01	Analog	0.10	3
K	39	45	2	11810.502	ug/l	1.88	2,299,217.52	1.676E+01	Analog	0.20	3
Ca	43	45	1	249566.154	ug/l	0.58	7,203,661.78	2.414E+00	Analog	1.50	3
Ca	43	45	2	261348.880	ug/l	2.05	159,340.41	1.161E+00	Pulse	1.50	3
Ca	44	45	1	248664.116	ug/l	0.93	117,038,794.92	3.923E+01	Analog	0.10	3
Ca	44	45	2	261253.275	ug/l	1.53	2,819,810.38	2.055E+01	Analog	0.20	3
Ti	47	45	1	4.656	ug/l	4.04	6,534.90	2.190E-03	Pulse	0.10	3
Ti	47	45	2	4.090	ug/l	22.96	335.01	2.437E-03	Pulse	0.20	3
V	51	45	2	110.390	ug/l	1.24	269,902.16	1.967E+00	Pulse	0.20	3
Cr	52	45	2	102.843	ug/l	1.29	327,402.79	2.386E+00	Pulse	0.20	3
Mn	55	45	2	395.063	ug/l	1.62	681,774.55	4.968E+00	Pulse	0.20	3
Fe	56	45	2	2700.787	ug/l	1.52	6,580,785.73	4.796E+01	Analog	0.20	3
Co	59	45	2	100.684	ug/l	1.58	503,586.24	3.670E+00	Pulse	0.20	3
Ni	60	45	2	97.788	ug/l	1.74	129,591.29	9.445E-01	Pulse	0.20	3
Cu	63	45	2	96.648	ug/l	1.58	343,755.65	2.505E+00	Pulse	0.20	3
Cu	65	45	2	97.526	ug/l	1.88	170,959.97	1.246E+00	Pulse	0.20	3
Zn	66	45	2	115.620	ug/l	1.78	69,093.42	5.036E-01	Pulse	0.20	3
As	75	45	2	107.291	ug/l	1.65	39,748.27	2.897E-01	Pulse	0.50	3
Se	78	45	2	200.409	ug/l	3.20	6,597.36	4.809E-02	Pulse	1.00	3
Se	78	45	3	199.062	ug/l	0.65	24,895.59	8.416E-02	Pulse	1.00	3
Sr	88	45	1	783.198	ug/l	0.72	25,358,497.12	8.499E+00	Analog	0.10	3
Mo	95	103	1	0.936	ug/l	7.51	5,091.01	1.183E-03	Pulse	0.10	3
Ag	107	115	1	93.091	ug/l	1.47	1,225,028.47	2.410E-01	Pulse	0.10	3
Cd	111	115	1	97.601	ug/l	1.08	296,327.74	5.830E-02	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	99.889	ug/l	1.23	118,260.67	1.062E-01	Pulse	0.25	3
Sn	117	115	1	0.417	ug/l	9.07	1,363.45	2.682E-04	Pulse	0.10	3
Sn	118	115	1	0.360	ug/l	5.99	3,837.30	7.551E-04	Pulse	0.10	3
Sn	118	115	2	0.387	ug/l	6.44	1,183.43	1.062E-03	Pulse	0.10	3
Sn	119	115	1	0.738	ug/l	7.89	2,770.36	5.453E-04	Pulse	0.10	3
Sb	121	159	1	115.026	ug/l	0.36	1,230,080.84	1.374E-01	Pulse	0.10	3
Ba	137	159	1	205.605	ug/l	0.46	1,071,393.94	1.197E-01	Pulse	0.10	3
Tl	205	209	1	109.267	ug/l	1.57	2,960,611.62	6.154E-01	Analog	0.10	3
Pb	208	209	1	108.193	ug/l	0.79	4,022,988.27	8.363E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,537,118.19	0.81	71.9	Analog	0.10	3
1	Sc	45	2,983,553.50	0.57	82.4	Analog	0.10	3
2	Sc	45	137,236.68	1.82	78.1	Pulse	0.10	3
3	Sc	45	295,831.14	0.74	80.5	Pulse	0.10	3
1	Ge	72	605,648.19	0.35	79.1	Pulse	0.10	3
2	Ge	72	90,889.65	1.27	79.1	Pulse	0.10	3
3	Ge	72	149,137.47	2.15	80.6	Pulse	0.10	3
1	Rh	103	4,302,154.94	0.28	78.6	Analog	0.10	3
2	Rh	103	2,476,507.57	0.43	77.9	Analog	0.10	3
1	In	115	5,083,222.03	1.46	85.1	Analog	0.10	3
2	In	115	1,114,082.09	1.82	79.8	Pulse	0.10	3
1	Tb	159	8,951,866.53	1.22	92.7	Analog	0.10	3
2	Tb	159	4,938,209.93	0.10	89.1	Analog	0.10	3
1	Ho	165	8,657,248.41	1.17	92.9	Analog	0.10	3
2	Ho	165	4,980,830.03	0.26	91.2	Analog	0.10	3
1	Bi	209	4,810,540.66	0.48	84.2	Analog	0.10	3
2	Bi	209	3,161,634.43	0.63	81.8	Analog	0.10	3

Quantitation Report

File Name	134SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 8:37
Sample Name	rinseconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.004	ug/l	152.29	33.33	1.949E-05	Pulse	0.25	3
B	11	6	1	2.749	ug/l	8.09	9,694.13	5.670E-03	Pulse	0.15	3
Na	23	45	1	12.490	ug/l	2.23	303,781.72	9.709E-02	Pulse	0.10	3
Na	23	45	2	12.260	ug/l	2.88	10,912.08	7.476E-02	Pulse	0.20	3
Mg	24	45	1	2.592	ug/l	5.52	23,467.09	7.500E-03	Pulse	0.10	3
Mg	24	45	2	2.522	ug/l	10.86	620.03	4.248E-03	Pulse	0.20	3
Al	27	45	1	0.155	ug/l	8.87	6,044.68	1.932E-03	Pulse	0.10	3
Al	27	45	2	0.122	ug/l	52.27	33.33	2.280E-04	Pulse	0.20	3
K	39	45	1	1.311	ug/l	25.06	896,169.49	2.864E-01	Pulse	0.10	3
K	39	45	2	-0.069	ug/l	-1559.04	5,656.06	3.876E-02	Pulse	0.20	3
Ca	43	45	1	2.935	ug/l	30.44	198.89	6.356E-05	Pulse	1.50	3
Ca	43	45	2	3.361	ug/l	83.34	4.00	2.756E-05	Pulse	1.50	3
Ca	44	45	1	2.124	ug/l	45.65	4,064.02	1.299E-03	Pulse	0.10	3
Ca	44	45	2	5.912	ug/l	10.81	98.33	6.737E-04	Pulse	0.20	3
Ti	47	45	1	0.017	ug/l	100.70	86.67	2.770E-05	Pulse	0.10	3
Ti	47	45	2	-0.029	ug/l	-119.46	1.67	1.158E-05	Pulse	0.20	3
V	51	45	2	0.121	ug/l	16.62	571.69	3.921E-03	Pulse	0.20	3
Cr	52	45	2	-0.019	ug/l	-191.17	876.71	6.004E-03	Pulse	0.20	3
Mn	55	45	2	0.002	ug/l	395.30	56.67	3.897E-04	Pulse	0.20	3
Fe	56	45	2	0.199	ug/l	19.12	2,866.97	1.965E-02	Pulse	0.20	3
Co	59	45	2	0.002	ug/l	84.01	25.00	1.712E-04	Pulse	0.20	3
Ni	60	45	2	-0.031	ug/l	-58.22	136.67	9.386E-04	Pulse	0.20	3
Cu	63	45	2	-0.027	ug/l	-14.13	111.67	7.663E-04	Pulse	0.20	3
Cu	65	45	2	-0.023	ug/l	-27.24	61.67	4.217E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.285	ug/l	-20.38	68.33	4.693E-04	Pulse	0.20	3
As	75	45	2	0.021	ug/l	111.63	18.67	1.271E-04	Pulse	0.50	3
Se	78	45	2	0.001	ug/l	2106.72	13.00	8.911E-05	Pulse	1.00	3
Se	78	45	3	0.046	ug/l	59.93	8.00	2.569E-05	Pulse	1.00	3
Sr	88	45	1	0.017	ug/l	13.69	1,110.09	3.548E-04	Pulse	0.10	3
Mo	95	103	1	0.001	ug/l	404.53	103.34	2.075E-05	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	453.27	126.67	2.267E-05	Pulse	0.10	3
Cd	111	115	1	0.000	ug/l	693.01	25.33	4.538E-06	Pulse	0.25	3
Cd	111	115	2	-0.003	ug/l	-68.79	2.67	2.124E-06	Pulse	0.25	3
Sn	117	115	1	0.011	ug/l	149.64	190.01	3.400E-05	Pulse	0.10	3
Sn	118	115	1	-0.001	ug/l	-260.76	446.69	7.999E-05	Pulse	0.10	3
Sn	118	115	2	-0.010	ug/l	-218.44	136.67	1.087E-04	Pulse	0.10	3
Sn	119	115	1	-0.001	ug/l	-811.45	250.01	4.476E-05	Pulse	0.10	3
Sb	121	159	1	0.038	ug/l	20.01	2,190.24	2.417E-04	Pulse	0.10	3
Ba	137	159	1	0.027	ug/l	54.53	866.72	9.563E-05	Pulse	0.10	3
Tl	205	209	1	0.291	ug/l	9.81	10,310.71	1.905E-03	Pulse	0.10	3
Pb	208	209	1	-0.001	ug/l	-276.39	676.71	1.250E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,709,864.68	0.24	80.0	Analog	0.10	3
1	Sc	45	3,128,923.39	0.07	86.4	Analog	0.10	3
2	Sc	45	145,946.10	1.91	83.0	Pulse	0.10	3
3	Sc	45	311,397.18	0.64	84.7	Pulse	0.10	3
1	Ge	72	664,571.42	1.15	86.8	Pulse	0.10	3
2	Ge	72	100,972.09	1.32	87.9	Pulse	0.10	3
3	Ge	72	163,898.65	0.54	88.6	Pulse	0.10	3
1	Rh	103	4,981,205.13	0.26	91.0	Analog	0.10	3
2	Rh	103	2,898,875.37	1.10	91.2	Analog	0.10	3
1	In	115	5,584,333.45	0.40	93.5	Analog	0.10	3
2	In	115	1,259,339.79	0.59	90.2	Pulse	0.10	3
1	Tb	159	9,064,865.91	0.72	93.8	Analog	0.10	3
2	Tb	159	5,183,706.38	0.23	93.5	Analog	0.10	3
1	Ho	165	8,810,906.53	0.54	94.6	Analog	0.10	3
2	Ho	165	5,149,889.61	0.02	94.2	Analog	0.10	3
1	Bi	209	5,414,647.63	0.73	94.7	Analog	0.10	3
2	Bi	209	3,637,470.05	0.77	94.1	Analog	0.10	3

Quantitation Report

File Name	135SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 8:42
Sample Name	fa7-1f
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.031	ug/l	52.37	106.67	6.915E-05	Pulse	0.25	3
B	11	6	1	147.871	ug/l	1.82	372,191.11	2.403E-01	Pulse	0.15	3
Na	23	45	1	342311.776	ug/l	1.06	4,322,021,482.26	1.371E+03	Analog	0.10	3
Na	23	45	2	362120.030	ug/l	1.06	159,488,590.96	1.079E+03	Analog	0.20	3
Mg	24	45	1	165676.339	ug/l	1.17	1,393,636,032.57	4.420E+02	Analog	0.10	3
Mg	24	45	2	168068.103	ug/l	0.70	37,615,682.77	2.544E+02	Analog	0.20	3
Al	27	45	1	225.935	ug/l	1.52	2,517,282.15	7.984E-01	Analog	0.10	3
Al	27	45	2	226.284	ug/l	2.36	18,273.62	1.236E-01	Pulse	0.20	3
K	39	45	1	28979.911	ug/l	0.41	435,948,326.84	1.383E+02	Analog	0.10	3
K	39	45	2	29837.895	ug/l	0.76	6,249,810.74	4.228E+01	Analog	0.20	3
Ca	43	45	1	309799.203	ug/l	1.33	9,449,917.55	2.997E+00	Analog	1.50	3
Ca	43	45	2	328609.746	ug/l	0.96	215,864.30	1.460E+00	Pulse	1.50	3
Ca	44	45	1	308341.697	ug/l	1.23	153,362,964.38	4.864E+01	Analog	0.10	3
Ca	44	45	2	327196.740	ug/l	0.24	3,805,044.74	2.574E+01	Analog	0.20	3
Ti	47	45	1	27.609	ug/l	2.93	40,651.23	1.289E-02	Pulse	0.10	3
Ti	47	45	2	8.145	ug/l	11.84	713.37	4.825E-03	Pulse	0.20	3
V	51	45	2	11.274	ug/l	2.90	29,925.68	2.025E-01	Pulse	0.20	3
Cr	52	45	2	0.368	ug/l	7.10	2,210.19	1.495E-02	Pulse	0.20	3
Mn	55	45	2	54.234	ug/l	1.58	100,874.03	6.824E-01	Pulse	0.20	3
Fe	56	45	2	525.369	ug/l	1.52	1,381,012.11	9.342E+00	Analog	0.20	3
Co	59	45	2	0.196	ug/l	2.27	1,068.39	7.228E-03	Pulse	0.20	3
Ni	60	45	2	2.969	ug/l	1.41	4,417.33	2.988E-02	Pulse	0.20	3
Cu	63	45	2	3.907	ug/l	1.43	15,180.56	1.027E-01	Pulse	0.20	3
Cu	65	45	2	3.988	ug/l	6.11	7,630.24	5.163E-02	Pulse	0.20	3
Zn	66	45	2	19.628	ug/l	1.02	12,846.91	8.690E-02	Pulse	0.20	3
As	75	45	2	11.623	ug/l	3.73	4,647.36	3.144E-02	Pulse	0.50	3
Se	78	45	2	4.851	ug/l	8.17	185.00	1.251E-03	Pulse	1.00	3
Se	78	45	3	4.964	ug/l	3.86	634.35	2.105E-03	Pulse	1.00	3
Sr	88	45	1	1020.713	ug/l	0.66	34,922,425.31	1.108E+01	Analog	0.10	3
Mo	95	103	1	4.489	ug/l	0.61	22,746.99	5.598E-03	Pulse	0.10	3
Ag	107	115	1	0.011	ug/l	17.03	236.68	4.896E-05	Pulse	0.10	3
Cd	111	115	1	0.063	ug/l	4.20	204.00	4.223E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.066	ug/l	28.07	84.00	7.505E-05	Pulse	0.25	3
Sn	117	115	1	0.577	ug/l	9.37	1,740.16	3.603E-04	Pulse	0.10	3
Sn	118	115	1	0.574	ug/l	9.92	5,587.90	1.156E-03	Pulse	0.10	3
Sn	118	115	2	0.591	ug/l	7.63	1,736.83	1.552E-03	Pulse	0.10	3
Sn	119	115	1	0.670	ug/l	5.59	2,410.28	4.990E-04	Pulse	0.10	3
Sb	121	159	1	0.309	ug/l	7.91	4,734.26	5.647E-04	Pulse	0.10	3
Ba	137	159	1	261.183	ug/l	0.52	1,273,907.04	1.520E-01	Pulse	0.10	3
Tl	205	209	1	0.477	ug/l	1.48	12,695.90	2.950E-03	Pulse	0.10	3
Pb	208	209	1	0.429	ug/l	0.47	14,810.14	3.442E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,548,533.93	1.51	72.4	Analog	0.10	3
1	Sc	45	3,152,723.39	1.00	87.1	Analog	0.10	3
2	Sc	45	147,839.29	1.07	84.1	Pulse	0.10	3
3	Sc	45	301,381.13	0.17	82.0	Pulse	0.10	3
1	Ge	72	601,137.84	0.41	78.5	Pulse	0.10	3
2	Ge	72	91,295.90	1.79	79.4	Pulse	0.10	3
3	Ge	72	142,234.99	0.91	76.9	Pulse	0.10	3
1	Rh	103	4,062,987.44	1.40	74.3	Analog	0.10	3
2	Rh	103	2,327,015.33	0.56	73.2	Analog	0.10	3
1	In	115	4,831,329.30	0.97	80.9	Analog	0.10	3
2	In	115	1,118,825.31	0.33	80.1	Pulse	0.10	3
1	Tb	159	8,380,130.29	1.03	86.7	Analog	0.10	3
2	Tb	159	4,707,780.55	0.76	84.9	Analog	0.10	3
1	Ho	165	8,172,033.00	1.00	87.7	Analog	0.10	3
2	Ho	165	4,700,136.08	0.13	86.0	Analog	0.10	3
1	Bi	209	4,302,996.71	0.96	75.3	Analog	0.10	3
2	Bi	209	2,786,495.38	0.61	72.1	Analog	0.10	3

Quantitation Report

File Name	136SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 8:48
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	47.342	ug/l	0.17	121,707.49	8.481E-02	Pulse	0.25	3
B	11	6	1	50.341	ug/l	0.23	118,580.36	8.263E-02	Pulse	0.15	3
Na	23	45	1	4681.071	ug/l	0.74	50,209,102.58	1.879E+01	Analog	0.10	3
Na	23	45	2	4596.791	ug/l	1.46	1,750,828.93	1.373E+01	Analog	0.20	3
Mg	24	45	1	4752.495	ug/l	0.20	33,880,671.16	1.268E+01	Analog	0.10	3
Mg	24	45	2	4446.402	ug/l	1.81	858,243.69	6.732E+00	Pulse	0.20	3
Al	27	45	1	4776.504	ug/l	0.30	45,024,681.00	1.685E+01	Analog	0.10	3
Al	27	45	2	4607.585	ug/l	1.89	320,426.39	2.513E+00	Pulse	0.20	3
K	39	45	1	4958.605	ug/l	0.75	63,837,499.05	2.389E+01	Analog	0.10	3
K	39	45	2	4764.523	ug/l	1.42	864,812.07	6.783E+00	Pulse	0.20	3
Ca	43	45	1	4927.543	ug/l	0.28	127,466.36	4.771E-02	Pulse	1.50	3
Ca	43	45	2	5289.660	ug/l	1.75	2,998.28	2.352E-02	Pulse	1.50	3
Ca	44	45	1	4988.795	ug/l	0.73	2,105,272.21	7.879E-01	Analog	0.10	3
Ca	44	45	2	5079.414	ug/l	1.44	50,966.42	3.998E-01	Pulse	0.20	3
Ti	47	45	1	46.816	ug/l	1.45	58,370.34	2.185E-02	Pulse	0.10	3
Ti	47	45	2	47.537	ug/l	3.29	3,572.13	2.802E-02	Pulse	0.20	3
V	51	45	2	48.618	ug/l	1.36	110,568.79	8.673E-01	Pulse	0.20	3
Cr	52	45	2	47.193	ug/l	1.11	140,037.34	1.098E+00	Pulse	0.20	3
Mn	55	45	2	48.298	ug/l	2.33	77,472.52	6.077E-01	Pulse	0.20	3
Fe	56	45	2	5024.443	ug/l	1.77	11,372,820.25	8.921E+01	Analog	0.20	3
Co	59	45	2	47.246	ug/l	1.54	219,562.17	1.722E+00	Pulse	0.20	3
Ni	60	45	2	46.895	ug/l	2.03	57,823.15	4.536E-01	Pulse	0.20	3
Cu	63	45	2	46.919	ug/l	1.49	155,145.66	1.217E+00	Pulse	0.20	3
Cu	65	45	2	47.503	ug/l	2.38	77,415.24	6.073E-01	Pulse	0.20	3
Zn	66	45	2	49.168	ug/l	2.03	27,424.96	2.151E-01	Pulse	0.20	3
As	75	45	2	50.756	ug/l	1.88	17,475.44	1.371E-01	Pulse	0.50	3
Se	78	45	2	50.783	ug/l	3.81	1,561.75	1.225E-02	Pulse	1.00	3
Se	78	45	3	52.048	ug/l	0.85	5,850.40	2.201E-02	Pulse	1.00	3
Sr	88	45	1	51.143	ug/l	1.03	1,483,311.23	5.552E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	47.577	ug/l	1.08	246,998.70	5.915E-02	Pulse	0.10	3
Ag	107	115	1	45.226	ug/l	0.42	559,248.52	1.171E-01	Pulse	0.10	3
Cd	111	115	1	46.589	ug/l	0.71	132,904.73	2.783E-02	Pulse	0.25	3
Cd	111	115	2	47.454	ug/l	0.16	55,789.73	5.044E-02	Pulse	0.25	3
Sn	117	115	1	47.919	ug/l	0.86	131,902.09	2.762E-02	Pulse	0.10	3
Sn	118	115	1	47.948	ug/l	0.69	428,431.31	8.971E-02	Pulse	0.10	3
Sn	118	115	2	48.223	ug/l	0.63	128,172.36	1.159E-01	Pulse	0.10	3
Sn	119	115	1	47.688	ug/l	1.44	154,441.93	3.234E-02	Pulse	0.10	3
Sb	121	159	1	52.194	ug/l	1.00	506,742.87	6.246E-02	Pulse	0.10	3
Ba	137	159	1	47.178	ug/l	1.90	223,291.16	2.752E-02	Pulse	0.10	3
Tl	205	209	1	44.970	ug/l	0.51	1,206,715.45	2.534E-01	Pulse	0.10	3
Pb	208	209	1	47.985	ug/l	0.75	1,766,255.04	3.710E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,435,121.70	0.31	67.1	Analog	0.10	3
1	Sc	45	2,671,901.73	0.48	73.8	Analog	0.10	3
2	Sc	45	127,506.15	1.37	72.5	Pulse	0.10	3
3	Sc	45	265,811.06	0.47	72.3	Pulse	0.10	3
1	Ge	72	562,053.17	0.66	73.4	Pulse	0.10	3
2	Ge	72	89,462.16	1.67	77.8	Pulse	0.10	3
3	Ge	72	142,043.15	1.95	76.8	Pulse	0.10	3
1	Rh	103	4,175,763.59	0.31	76.3	Analog	0.10	3
2	Rh	103	2,511,629.02	0.25	79.0	Analog	0.10	3
1	In	115	4,775,558.35	0.58	79.9	Analog	0.10	3
2	In	115	1,106,106.09	0.56	79.2	Pulse	0.10	3
1	Tb	159	8,113,299.67	0.51	84.0	Analog	0.10	3
2	Tb	159	4,782,454.51	0.14	86.3	Analog	0.10	3
1	Ho	165	7,827,673.84	0.23	84.0	Analog	0.10	3
2	Ho	165	4,755,302.22	0.80	87.0	Analog	0.10	3
1	Bi	209	4,761,229.30	0.33	83.3	Analog	0.10	3
2	Bi	209	3,291,060.68	0.43	85.1	Analog	0.10	3

Quantitation Report

File Name	137SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 8:53
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.000	ug/l	537.62	20.00	1.364E-05	Pulse	0.25	3
B	11	6	1	3.113	ug/l	3.36	9,184.91	6.259E-03	Pulse	0.15	3
Na	23	45	1	10.681	ug/l	0.67	246,038.57	8.985E-02	Pulse	0.10	3
Na	23	45	2	9.975	ug/l	10.06	8,822.48	6.795E-02	Pulse	0.20	3
Mg	24	45	1	1.737	ug/l	8.46	14,289.84	5.218E-03	Pulse	0.10	3
Mg	24	45	2	1.302	ug/l	5.66	311.68	2.400E-03	Pulse	0.20	3
Al	27	45	1	0.140	ug/l	15.05	5,147.65	1.880E-03	Pulse	0.10	3
Al	27	45	2	0.293	ug/l	61.40	41.67	3.212E-04	Pulse	0.20	3
K	39	45	1	-0.822	ug/l	-41.12	756,511.24	2.763E-01	Pulse	0.10	3
K	39	45	2	-1.305	ug/l	-75.94	4,805.77	3.701E-02	Pulse	0.20	3
Ca	43	45	1	1.481	ug/l	6.15	135.55	4.950E-05	Pulse	1.50	3
Ca	43	45	2	0.246	ug/l	719.11	1.78	1.372E-05	Pulse	1.50	3
Ca	44	45	1	0.142	ug/l	515.44	2,700.34	9.861E-04	Pulse	0.10	3
Ca	44	45	2	1.913	ug/l	63.50	46.67	3.592E-04	Pulse	0.20	3
Ti	47	45	1	0.015	ug/l	215.31	73.34	2.679E-05	Pulse	0.10	3
Ti	47	45	2	-0.005	ug/l	-1595.88	3.33	2.558E-05	Pulse	0.20	3
V	51	45	2	0.016	ug/l	24.58	265.01	2.041E-03	Pulse	0.20	3
Cr	52	45	2	-0.049	ug/l	-26.62	690.03	5.315E-03	Pulse	0.20	3
Mn	55	45	2	0.001	ug/l	1415.44	48.33	3.727E-04	Pulse	0.20	3
Fe	56	45	2	0.439	ug/l	18.74	3,103.70	2.390E-02	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	259.24	18.33	1.414E-04	Pulse	0.20	3
Ni	60	45	2	-0.048	ug/l	-16.14	100.00	7.701E-04	Pulse	0.20	3
Cu	63	45	2	-0.018	ug/l	-52.63	130.00	1.002E-03	Pulse	0.20	3
Cu	65	45	2	-0.012	ug/l	-188.14	73.33	5.642E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.201	ug/l	-11.47	108.33	8.346E-04	Pulse	0.20	3
As	75	45	2	0.003	ug/l	526.71	10.00	7.703E-05	Pulse	0.50	3
Se	78	45	2	0.090	ug/l	112.85	14.33	1.103E-04	Pulse	1.00	3
Se	78	45	3	0.044	ug/l	31.20	6.67	2.506E-05	Pulse	1.00	3
Sr	88	45	1	0.007	ug/l	53.63	670.04	2.447E-04	Pulse	0.10	3
Mo	95	103	1	0.062	ug/l	14.36	426.69	9.681E-05	Pulse	0.10	3
Ag	107	115	1	0.003	ug/l	80.79	140.00	2.854E-05	Pulse	0.10	3
Cd	111	115	1	0.003	ug/l	176.39	29.33	6.002E-06	Pulse	0.25	3
Cd	111	115	2	0.001	ug/l	740.75	6.67	5.770E-06	Pulse	0.25	3
Sn	117	115	1	0.053	ug/l	17.17	286.68	5.852E-05	Pulse	0.10	3
Sn	118	115	1	0.073	ug/l	14.94	1,073.41	2.189E-04	Pulse	0.10	3
Sn	118	115	2	0.073	ug/l	49.74	356.69	3.085E-04	Pulse	0.10	3
Sn	119	115	1	0.050	ug/l	26.53	386.69	7.883E-05	Pulse	0.10	3
Sb	121	159	1	-0.041	ug/l	-22.93	1,186.77	1.467E-04	Pulse	0.10	3
Ba	137	159	1	0.031	ug/l	40.41	793.39	9.806E-05	Pulse	0.10	3
Tl	205	209	1	0.257	ug/l	9.06	8,342.65	1.711E-03	Pulse	0.10	3
Pb	208	209	1	-0.002	ug/l	-146.16	560.03	1.149E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,467,509.15	0.71	68.6	Analog	0.10	3
1	Sc	45	2,738,432.56	0.05	75.6	Analog	0.10	3
2	Sc	45	129,836.85	0.38	73.8	Pulse	0.10	3
3	Sc	45	266,245.59	0.47	72.4	Pulse	0.10	3
1	Ge	72	580,511.32	0.38	75.8	Pulse	0.10	3
2	Ge	72	92,002.91	1.41	80.1	Pulse	0.10	3
3	Ge	72	143,918.54	0.36	77.8	Pulse	0.10	3
1	Rh	103	4,407,016.29	0.27	80.5	Analog	0.10	3
2	Rh	103	2,604,886.06	0.33	82.0	Analog	0.10	3
1	In	115	4,902,017.82	1.08	82.0	Analog	0.10	3
2	In	115	1,156,545.77	0.28	82.8	Pulse	0.10	3
1	Tb	159	8,090,804.25	0.75	83.7	Analog	0.10	3
2	Tb	159	4,764,433.57	0.34	86.0	Analog	0.10	3
1	Ho	165	7,874,318.63	0.48	84.5	Analog	0.10	3
2	Ho	165	4,737,904.20	0.03	86.7	Analog	0.10	3
1	Bi	209	4,874,965.34	0.10	85.3	Analog	0.10	3
2	Bi	209	3,375,678.80	0.12	87.3	Analog	0.10	3

Quantitation Report

File Name	138SMPL.D
File Path	C:\ICPMH\1\DATA\122812M3.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/29/2012 8:58
Sample Name	fa7-2f 1
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/30/2012 12:31
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

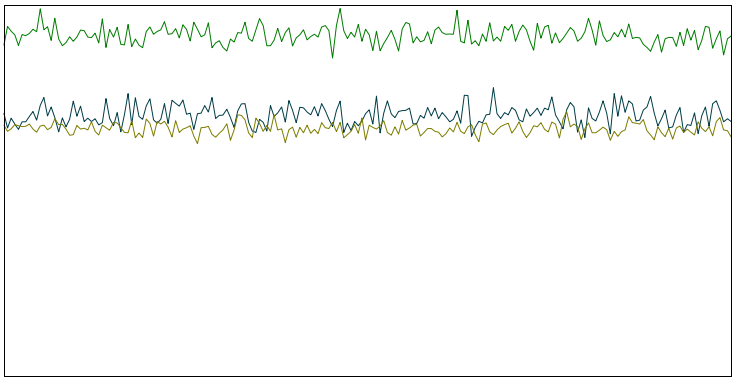
Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.018	ug/l	22.36	61.33	4.584E-05	Pulse	0.25	3
B	11	6	1	33.633	ug/l	2.06	74,359.96	5.561E-02	Pulse	0.15	3
Na	23	45	1	47733.283	ug/l	0.75	516,952,192.30	1.912E+02	Analog	0.10	3
Na	23	45	2	48709.412	ug/l	8.35	18,184,153.90	1.452E+02	Analog	0.20	3
Mg	24	45	1	99215.286	ug/l	1.10	715,723,056.00	2.647E+02	Analog	0.10	3
Mg	24	45	2	99723.832	ug/l	8.47	18,912,288.47	1.510E+02	Analog	0.20	3
Al	27	45	1	55.831	ug/l	1.92	536,240.27	1.983E-01	Pulse	0.10	3
Al	27	45	2	54.526	ug/l	7.78	3,748.85	2.990E-02	Pulse	0.20	3
K	39	45	1	9279.035	ug/l	0.75	120,217,961.54	4.447E+01	Analog	0.10	3
K	39	45	2	9267.986	ug/l	7.45	1,649,198.20	1.316E+01	Analog	0.20	3
Ca	43	45	1	239658.705	ug/l	0.51	6,268,750.67	2.319E+00	Analog	1.50	3
Ca	43	45	2	251352.567	ug/l	8.35	139,920.20	1.117E+00	Pulse	1.50	3
Ca	44	45	1	238813.116	ug/l	0.78	101,853,558.48	3.767E+01	Analog	0.10	3
Ca	44	45	2	252329.602	ug/l	9.07	2,485,608.25	1.985E+01	Analog	0.20	3
Ti	47	45	1	3.766	ug/l	3.10	4,800.87	1.776E-03	Pulse	0.10	3
Ti	47	45	2	2.943	ug/l	3.88	221.68	1.761E-03	Pulse	0.20	3
V	51	45	2	1.181	ug/l	8.47	2,855.30	2.278E-02	Pulse	0.20	3
Cr	52	45	2	0.181	ug/l	25.44	1,331.75	1.064E-02	Pulse	0.20	3
Mn	55	45	2	280.820	ug/l	7.97	442,527.23	3.532E+00	Pulse	0.20	3
Fe	56	45	2	614.816	ug/l	8.71	1,368,996.96	1.093E+01	Analog	0.20	3
Co	59	45	2	2.102	ug/l	7.52	9,612.97	7.670E-02	Pulse	0.20	3
Ni	60	45	2	2.624	ug/l	11.98	3,320.40	2.655E-02	Pulse	0.20	3
Cu	63	45	2	0.650	ug/l	4.53	2,300.20	1.830E-02	Pulse	0.20	3
Cu	65	45	2	0.660	ug/l	9.72	1,145.06	9.144E-03	Pulse	0.20	3
Zn	66	45	2	23.034	ug/l	8.97	12,741.81	1.017E-01	Pulse	0.20	3
As	75	45	2	0.239	ug/l	44.34	89.33	7.153E-04	Pulse	0.50	3
Se	78	45	2	0.670	ug/l	56.68	31.00	2.492E-04	Pulse	1.00	3
Se	78	45	3	0.726	ug/l	18.31	80.67	3.132E-04	Pulse	1.00	3
Sr	88	45	1	743.539	ug/l	0.20	21,816,329.67	8.069E+00	Analog	0.10	3
Mo	95	103	1	0.892	ug/l	3.41	4,320.74	1.128E-03	Pulse	0.10	3
Ag	107	115	1	0.012	ug/l	5.35	236.68	5.241E-05	Pulse	0.10	3
Cd	111	115	1	0.109	ug/l	20.16	316.01	6.986E-05	Pulse	0.25	3

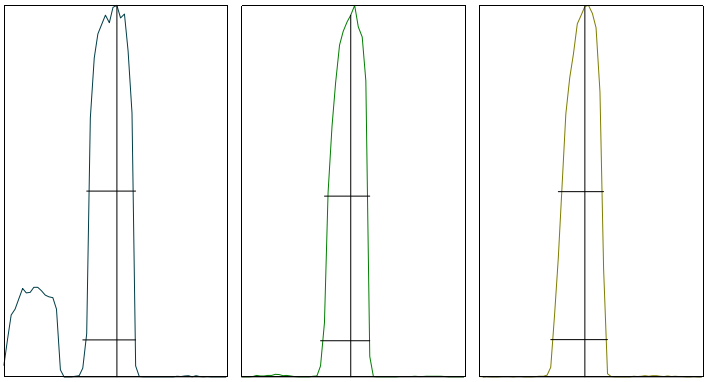
Tune Report

Tune File : nogas.u
Comment : 122812ttune2



Integration Time:	0.1000 sec	
Sampling Period:	0.3100 sec	
n:	200	
Oxide:	156/140	0.884%
Doubly Charged:	70/140	7.442%

m/z	Range	Count	Mean	RSD%	Background
7	2,000	1374.0	1408.4	3.74	0.10
89	5,000	4582.0	4592.2	2.53	0.60
205	5,000	3224.0	3334.4	2.36	2.80



m/z:	7	89	205
Height:	1,389	4,545	3,381
Axis:	7.05	89.00	204.95
W-50%:	0.65	0.60	0.60
W-10%:	0.700	0.6500	0.7500

Integration Time:	0.1000 sec
Acquisition Time:	22.7600 sec

Y axis : Linear

Generated : Dec 28, 2012 16:33:41
Printed : Dec 28, 2012 16:33:43

Tune Report

Tune File : nogas.u
Comment : 122812ttune2

Tuning Parameters

===Plasma Condition===			===Ion Lenses===			===Q-Pole Parameters===		
RF Power	:	1500 W	Extract 1	:	0 V	AMU Gain	:	125
RF Matching	:	1.6 V	Extract 2	:	-150 V	AMU Offset	:	129
Smpl Depth	:	7 mm	Omega Bias	:	-70 V	Axis Gain	:	0.9993
Torch-H	:	0.3 mm	Omega Lens	:	10.8 V	Axis Offset	:	0.02
Torch-V	:	-0.8 mm	Cell Entrance	:	-30 V	QP Bias	:	-3 V
Carrier Gas	:	0.67 L/min	Cell Exit	:	-50 V			
Dilution Mode	:	ON	Deflect	:	13.6 V	===Detector Parameters===		
Dilution Gas	:	0.4 L/min	Plate Bias	:	-40 V	Discriminator	:	4.5 mV
Optional Gas	:	--- %	===Octopole Parameters===			Analog HV	:	2155 V
Nebulizer Pump	:	0.1 rps	OctP RF	:	150 V	Pulse HV	:	1551 V
Sample Pump	:	--- rps	OctP Bias	:	-8 V			
S/C Temp	:	2 degC						

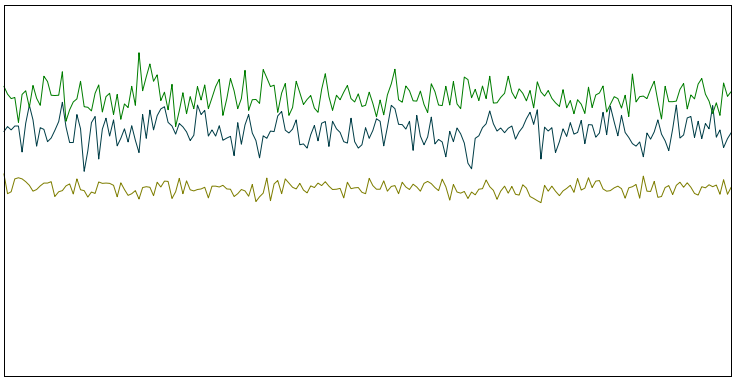
===Reaction Cell===								
Reaction Mode	:	OFF						
H2 Gas	:	--- mL/min	He Gas	:	0 mL/min	Optional Gas	:	--- %

7.2.1

7

Tune Report

Tune File : he.u
Comment : 122812ttune2



Integration Time: 0.1000 sec
Sampling Period: 0.3100 sec
n: 200
Oxide: 156/140 0.295%
Doubly Charged: 70/140 1.823%

m/z	Range	Count	Mean	RSD%	Background
59	1,000	656.0	660.0	5.23	0.00
89	1,000	767.0	754.1	4.32	0.10
205	5,000	2548.0	2531.3	3.03	0.10

Tuning Parameters

===Plasma Condition===			===Ion Lenses===			===Q-Pole Parameters===		
RF Power	:	1500 W	Extract 1	:	0 V	AMU Gain	:	125
RF Matching	:	1.6 V	Extract 2	:	-150 V	AMU Offset	:	129
Smpl Depth	:	7 mm	Omega Bias	:	-70 V	Axis Gain	:	0.9993
Torch-H	:	0.3 mm	Omega Lens	:	10.8 V	Axis Offset	:	0.02
Torch-V	:	-0.8 mm	Cell Entrance	:	-40 V	QP Bias	:	-15 V
Carrier Gas	:	0.67 L/min	Cell Exit	:	-60 V			
Dilution Mode	:	ON	Deflect	:	1.8 V	===Detector Parameters===		
Dilution Gas	:	0.4 L/min	Plate Bias	:	-60 V	Discriminator	:	4.5 mV
Optional Gas	:	--- %	===Octopole Parameters===			Analog HV	:	2155 V
Nebulizer Pump	:	0.1 rps	OctP RF	:	150 V	Pulse HV	:	1551 V
Sample Pump	:	--- rps	OctP Bias	:	-18 V			
S/C Temp	:	2 degC						

===Reaction Cell===

Reaction Mode	:	ON						
H2 Gas	:	--- mL/min	He Gas	:	4.3 mL/min	Optional Gas	:	--- %

Generated : Dec 28, 2012 16:36:37
Printed : Dec 28, 2012 16:36:39

QC Tune Report

Data File: C:\ICPMH\1\7500\QCTUNE.D
Date Acquired: 28 Dec 2012 04:53:52 pm
Operator:
Misc Info:
Vial Number: 0
Current Method: C:\ICPMH\1\METHODS\PERF.m

Minimum Response(CPS)

Element		Actual	Required	Flag
9	Be	3887.28	0.00	
24	Mg	11850.50	0.00	
25	Mg	1639.04	0.00	
26	Mg	1853.88	0.00	
59	Co	20828.40	0.00	
115	In	39455.50	0.00	
206	Pb	10744.30	0.00	
207	Pb	8989.05	0.00	
208	Pb	22161.70	0.00	

RSD (%)

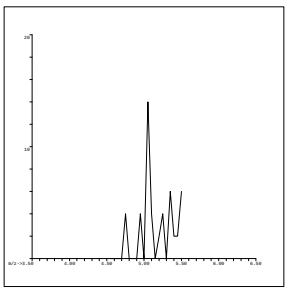
Element		Actual	Required	Flag
9	Be	3.00	5.00	
24	Mg	1.36	5.00	
25	Mg	2.56	5.00	
26	Mg	0.85	5.00	
59	Co	0.83	5.00	
115	In	0.73	5.00	
206	Pb	0.76	5.00	
207	Pb	1.34	5.00	
208	Pb	0.86	5.00	

Ion Ratio

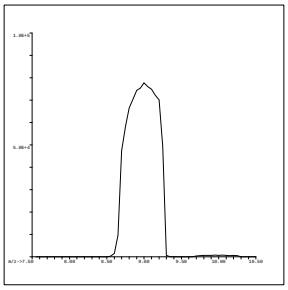
Element		Actual	Required	Flag
9	Be	0.10	0.00-1.00	
24	Mg	0.30	0.00-1.00	
25	Mg	0.04	0.00-1.00	
26	Mg	0.05	0.00-1.00	
59	Co	0.53	0.00-1.00	
206	Pb	0.27	0.00-1.00	
207	Pb	0.23	0.00-1.00	
208	Pb	0.56	0.00-1.00	

Maximum Bkg. Count(CPS)

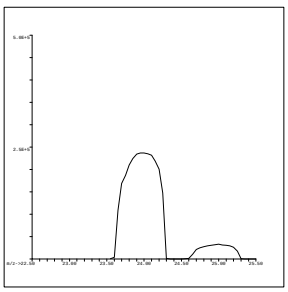
Element	Actual	Required	Flag
5Bkgrnd	6.00	100.00	



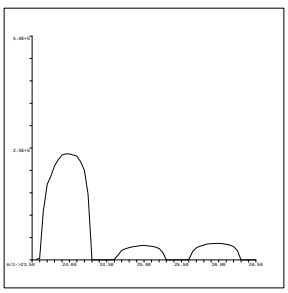
Bkg Spectrum



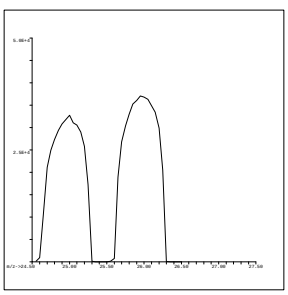
9 Be
Mass Calib.
Actual: 9.00
Required: 8.90-9.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



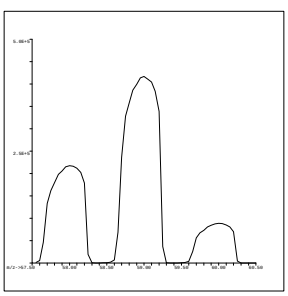
24 Mg
Mass Calib.
Actual: 24.00
Required: 23.90-24.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



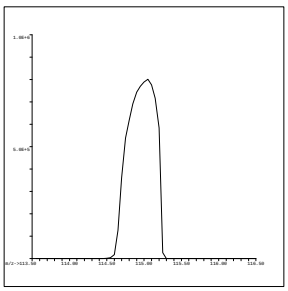
25 Mg
Mass Calib.
Actual: 25.00
Required: 24.90-25.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



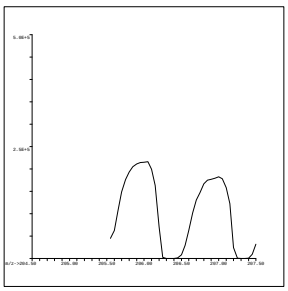
26 Mg
Mass Calib.
Actual: 25.95
Required: 25.90-26.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



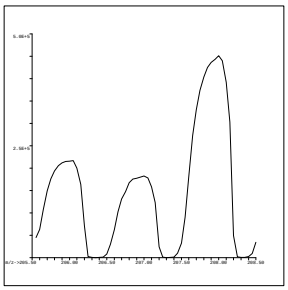
59 Co
Mass Calib.
Actual: 59.00
Required: 58.90-59.10
Flag:
Peak Width
Actual: 0.55
Required: 0.90
Flag:



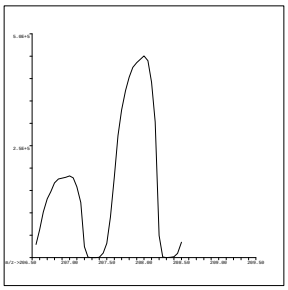
115 In
Mass Calib.
Actual: 115.00
Required: 114.90-115.10
Flag:
Peak Width
Actual: 0.55
Required: 0.90
Flag:



206 Pb
Mass Calib.
Actual: 205.95
Required: 205.90-206.10
Flag:
Peak Width
Actual: 0.65
Required: 0.90
Flag:



207 Pb
Mass Calib.
Actual: 206.95
Required: 206.90-207.10
Flag:
Peak Width
Actual: 0.55
Required: 0.90
Flag:

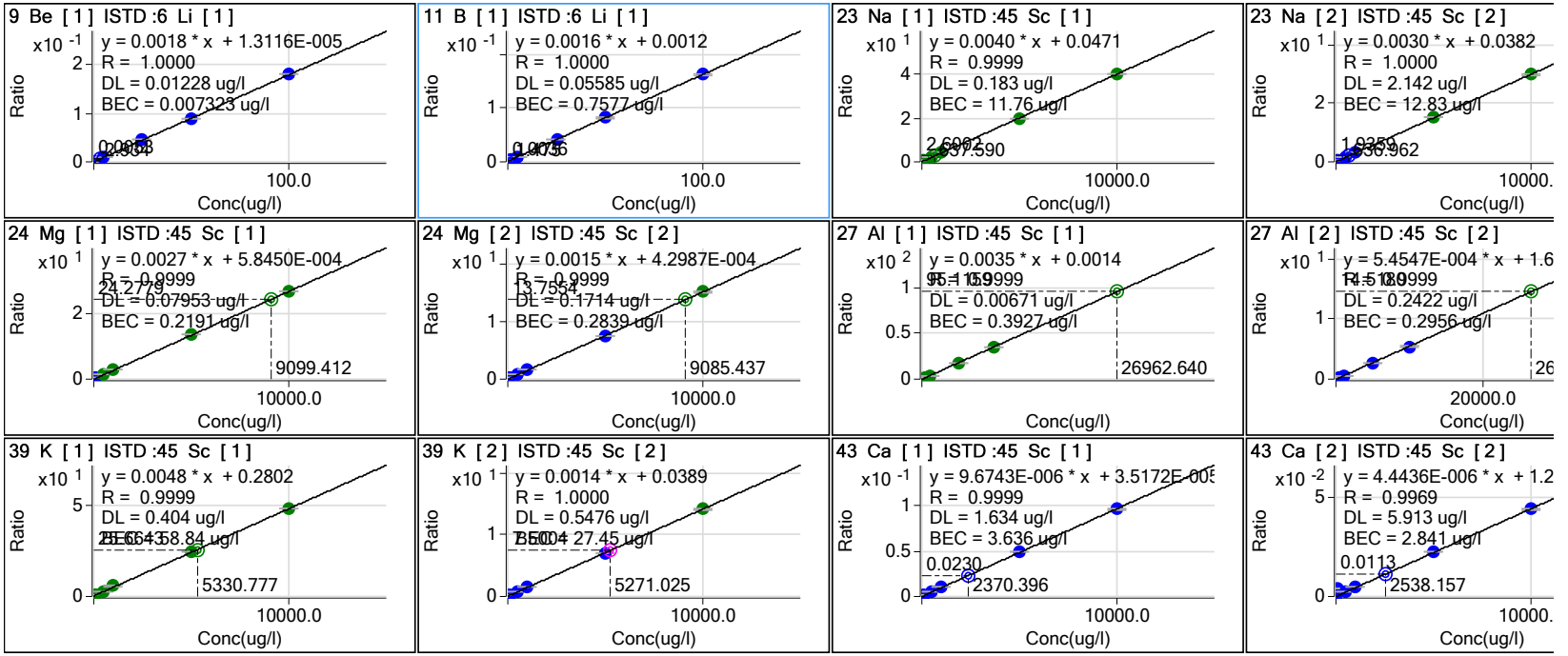


208 Pb
Mass Calib.
Actual: 207.95
Required: 207.90-208.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:

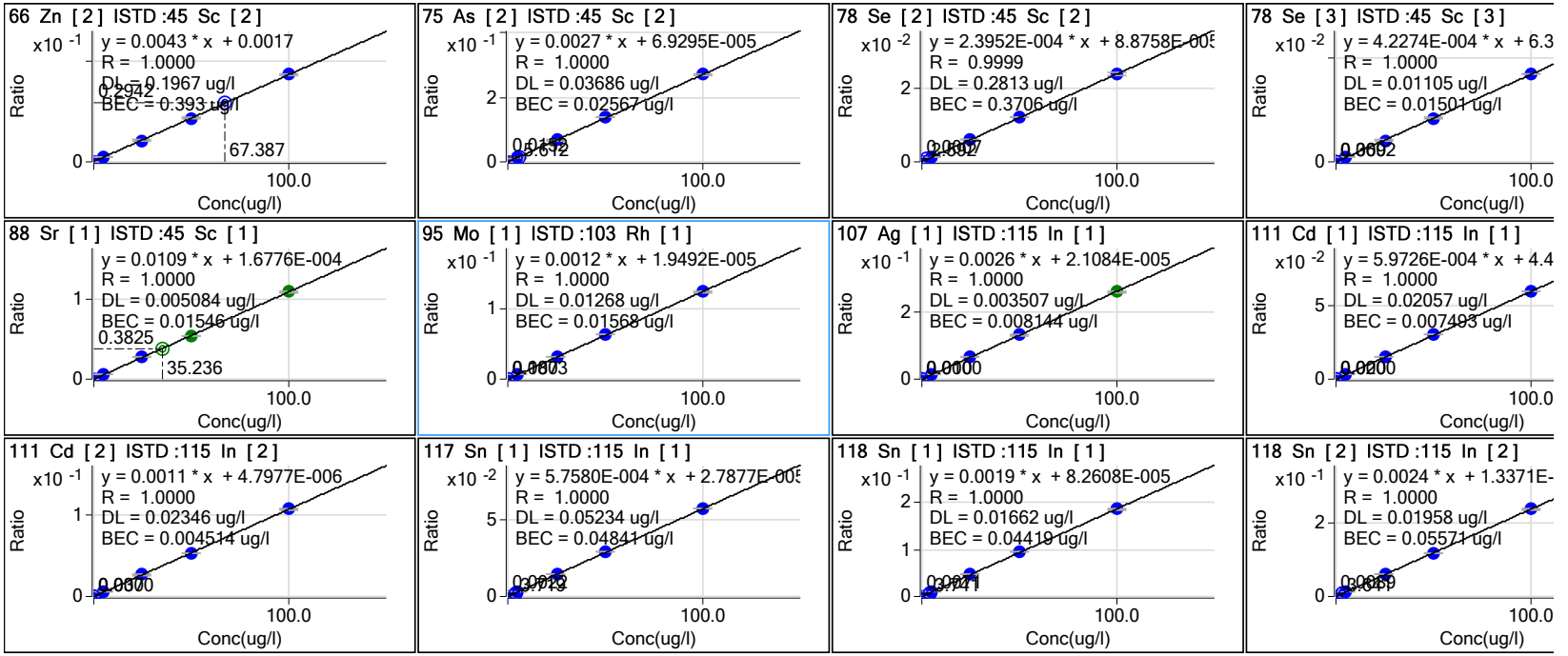
QC Tune Result:Pass

Sample		
	Rjct	
	Data File	001SMPL.D
	Acq. Date-Time	12/28/2012 5:01 PM
	Type	Sample
	Level	
	Sample Name	Performance
9 Be [1]	CPS	42427.458
	CPS RSD	0.65080524
9 Be [1] Replicate Data	Rep01	
	CPS Rep01	42002.85
	Rep02	
	CPS Rep02	42330.72
	Rep03	
	CPS Rep03	42577.78
	Rep04	
	CPS Rep04	42503.67
	Rep05	
	CPS Rep05	42722.27
24 Mg [1]	CPS	135304.274
	CPS RSD	0.962720507
24 Mg [1] Replicate Data	Rep01	
	CPS Rep01	135278.26
	Rep02	
	CPS Rep02	133606.18
	Rep03	
	CPS Rep03	134490.26
	Rep04	
	CPS Rep04	136475.26
	Rep05	
	CPS Rep05	136671.41
25 Mg [1]	CPS	17566.008
	CPS RSD	0.804212424
25 Mg [1] Replicate Data	Rep01	
	CPS Rep01	17488.23
	Rep02	
	CPS Rep02	17626.41
	Rep03	
	CPS Rep03	17362.38
	Rep04	
	CPS Rep04	17630.45
	Rep05	
	CPS Rep05	17722.57
26 Mg [1]	CPS	20966.4
	CPS RSD	0.658621611
26 Mg [1] Replicate Data	Rep01	
	CPS Rep01	20897.64
	Rep02	
	CPS Rep02	21044.04
	Rep03	
	CPS Rep03	20758.86
	Rep04	
	CPS Rep04	21028.9
	Rep05	
	CPS Rep05	21102.56
59 Co [1]	CPS	213940.498
	CPS RSD	0.469560485
	Rep01	
	CPS Rep01	213715.58

59 Co [1] Replicate Data	Rep02	
	CPS Rep02	213159.97
	Rep03	
	CPS Rep03	215341.55
	Rep04	
	CPS Rep04	212925.47
	Rep05	
	CPS Rep05	214559.92
115 In [1]	CPS	385745.874
	CPS RSD	0.657315711
115 In [1] Replicate Data	Rep01	
	CPS Rep01	382645.74
	Rep02	
	CPS Rep02	386841.7
	Rep03	
	CPS Rep03	389078.71
	Rep04	
	CPS Rep04	383874.45
	Rep05	
	CPS Rep05	386288.77
206 Pb [1]	CPS	112520.264
	CPS RSD	0.188538001
206 Pb [1] Replicate Data	Rep01	
	CPS Rep01	112740.36
	Rep02	
	CPS Rep02	112603.66
	Rep03	
	CPS Rep03	112185.17
	Rep04	
	CPS Rep04	112612.99
	Rep05	
	CPS Rep05	112459.14
207 Pb [1]	CPS	95612.858
	CPS RSD	0.579143118
207 Pb [1] Replicate Data	Rep01	
	CPS Rep01	95099.1
	Rep02	
	CPS Rep02	95015.9
	Rep03	
	CPS Rep03	95745.19
	Rep04	
	CPS Rep04	96336.63
	Rep05	
	CPS Rep05	95867.47
208 Pb [1]	CPS	232993.734
	CPS RSD	0.322557519
208 Pb [1] Replicate Data	Rep01	
	CPS Rep01	232388.63
	Rep02	
	CPS Rep02	233183.04
	Rep03	
	CPS Rep03	234055.4
	Rep04	
	CPS Rep04	232160.14
	Rep05	
	CPS Rep05	233181.46


9 Be [1] ISTD :6 Li [1]
y = 0.0018 * x + 1.3116E-005
R = 1.0000
DL = 0.01228 ug/l
BEC = 0.007323 ug/l
Ratio
Conc(ug/l)
11 B [1] ISTD :6 Li [1]
y = 0.0016 * x + 0.0012
R = 1.0000
DL = 0.05585 ug/l
BEC = 0.7577 ug/l
Ratio
Conc(ug/l)
23 Na [1] ISTD :45 Sc [1]
y = 0.0040 * x + 0.0471
R = 0.9999
DL = 0.183 ug/l
BEC = 11.76 ug/l
Ratio
Conc(ug/l)
23 Na [2] ISTD :45 Sc [2]
y = 0.0030 * x + 0.0382
R = 1.0000
DL = 2.142 ug/l
BEC = 12.83 ug/l
Ratio
Conc(ug/l)
24 Mg [1] ISTD :45 Sc [1]
y = 0.0027 * x + 5.8450E-004
R = 0.9999
DL = 0.07953 ug/l
BEC = 0.2191 ug/l
9099.412
Ratio
Conc(ug/l)
24 Mg [2] ISTD :45 Sc [2]
y = 0.0015 * x + 4.2987E-004
R = 0.9999
DL = 0.1714 ug/l
BEC = 0.2839 ug/l
9085.437
Ratio
Conc(ug/l)
27 Al [1] ISTD :45 Sc [1]
y = 0.0035 * x + 0.0014
R = 0.9999
DL = 0.00671 ug/l
BEC = 0.3927 ug/l
26962.640
Ratio
Conc(ug/l)
27 Al [2] ISTD :45 Sc [2]
DL = 0.2422 ug/l
BEC = 0.2956 ug/l
Ratio
Conc(ug/l)
39 K [1] ISTD :45 Sc [1]
y = 0.0048 * x + 0.2802
R = 0.9999
DL = 0.404 ug/l
5330.777
Ratio
Conc(ug/l)
39 K [2] ISTD :45 Sc [2]
y = 0.0014 * x + 0.0389
R = 1.0000
DL = 0.5476 ug/l
5271.025
Ratio
Conc(ug/l)
43 Ca [1] ISTD :45 Sc [1]
R = 0.9999
DL = 1.634 ug/l
BEC = 3.636 ug/l
0.0230
2370.396
Ratio
Conc(ug/l)
43 Ca [2] ISTD :45 Sc [2]
y = 4.4436E-006 * x + 1.2
R = 0.9969
DL = 5.913 ug/l
BEC = 2.841 ug/l
0.0113
2538.157
Ratio
Conc(ug/l)

44 Ca [1] ISTD :45 Sc [1]
y = 1.5775E-004 * x + 9.6373E-00
R = 0.9999
DL = 0.5689 ug/l
BEC = 6.109 ug/l
0.3764
2379.809
Ratio
Conc(ug/l)
44 Ca [2] ISTD :45 Sc [2]
y = 7.8661E-005 * x + 2.0870E-00
R = 0.9990
DL = 1.706 ug/l
BEC = 2.653 ug/l
0.1903
2417.113
Ratio
Conc(ug/l)
47 Ti [1] ISTD :45 Sc [1]
x10 -1
y = 4.6622E-004 * x + 1.9716E-00
R = 0.9985
DL = 0.05756 ug/l
BEC = 0.04229 ug/l
726.047
Ratio
Conc(ug/l)
47 Ti [2] ISTD :45 Sc [2]
x10 -1
y = 5.8885E-004 * x + 2.8
R = 0.9998
DL = 0.1448 ug/l
BEC = 0.04816 ug/l
Ratio
Conc(ug/l)
51 V [2] ISTD :45 Sc [2]
y = 0.0178 * x + 0.0018
R = 1.0000
DL = 0.01442 ug/l
BEC = 0.0988 ug/l
57.764
Ratio
Conc(ug/l)
52 Cr [2] ISTD :45 Sc [2]
y = 0.0231 * x + 0.0064
R = 1.0000
DL = 0.088 ug/l
BEC = 0.2785 ug/l
52.179
Ratio
Conc(ug/l)
55 Mn [2] ISTD :45 Sc [2]
y = 0.0126 * x + 3.6155E-004
R = 1.0000
DL = 0.01751 ug/l
BEC = 0.02875 ug/l
316.049
Ratio
Conc(ug/l)
56 Fe [2] ISTD :45 Sc [2]
x10 2
y = 0.0178 * x + 0.0161
R = 1.0000
DL = 0.1289 ug/l
BEC = 0.9076 ug/l
Ratio
Conc(ug/l)
59 Co [2] ISTD :45 Sc [2]
y = 0.0365 * x + 8.9210E-005
R = 1.0000
DL = 0.005478 ug/l
BEC = 0.002447 ug/l
12.524
Ratio
Conc(ug/l)
60 Ni [2] ISTD :45 Sc [2]
y = 0.0096 * x + 0.0012
R = 1.0000
DL = 0.06051 ug/l
BEC = 0.1283 ug/l
0.2981
30.777
Ratio
Conc(ug/l)
63 Cu [2] ISTD :45 Sc [2]
y = 0.0259 * x + 0.0015
R = 1.0000
DL = 0.0165 ug/l
BEC = 0.05661 ug/l
15.298
Ratio
Conc(ug/l)
65 Cu [2] ISTD :45 Sc [2]
y = 0.0128 * x + 7.1110E-
R = 1.0000
DL = 0.007916 ug/l
BEC = 0.05569 ug/l
15.386
Ratio
Conc(ug/l)


66 Zn [2] ISTD :45 Sc [2]
y = 0.0043 * x + 0.0017
R = 1.0000
DL = 0.1967 ug/l
BEC = 0.393 ug/l
67.387
75 As [2] ISTD :45 Sc [2]
y = 0.0027 * x + 6.9295E-005
R = 1.0000
DL = 0.03686 ug/l
BEC = 0.02567 ug/l
78 Se [2] ISTD :45 Sc [2]
y = 2.3952E-004 * x + 8.8758E-00
R = 0.9999
DL = 0.2813 ug/l
BEC = 0.3706 ug/l
78 Se [3] ISTD :45 Sc [3]
y = 4.2274E-004 * x + 6.3
R = 1.0000
DL = 0.01105 ug/l
BEC = 0.01501 ug/l
88 Sr [1] ISTD :45 Sc [1]
y = 0.0109 * x + 1.6776E-004
R = 1.0000
DL = 0.005084 ug/l
BEC = 0.01546 ug/l
0.3825
35.236
95 Mo [1] ISTD :103 Rh [1]
y = 0.0012 * x + 1.9492E-005
R = 1.0000
DL = 0.01268 ug/l
BEC = 0.01568 ug/l
107 Ag [1] ISTD :115 In [1]
y = 0.0026 * x + 2.1084E-005
R = 1.0000
DL = 0.003507 ug/l
BEC = 0.008144 ug/l
111 Cd [1] ISTD :115 In [1]
y = 5.9726E-004 * x + 4.4
R = 1.0000
DL = 0.02057 ug/l
BEC = 0.007493 ug/l
111 Cd [2] ISTD :115 In [2]
y = 0.0011 * x + 4.7977E-006
R = 1.0000
DL = 0.02346 ug/l
BEC = 0.004514 ug/l
117 Sn [1] ISTD :115 In [1]
y = 5.7580E-004 * x + 2.7877E-00
R = 1.0000
DL = 0.05234 ug/l
BEC = 0.04841 ug/l
118 Sn [1] ISTD :115 In [1]
y = 0.0019 * x + 8.2608E-005
R = 1.0000
DL = 0.01662 ug/l
BEC = 0.04419 ug/l
118 Sn [2] ISTD :115 In [2]
y = 0.0024 * x + 1.3371E-
R = 1.0000
DL = 0.01958 ug/l
BEC = 0.05571 ug/l
Ratio
Conc(ug/l)
100.0

119 Sn [1] ISTD :115 In [1]
y = 6.7720E-004 * x + 4.5180E-00
R = 1.0000
DL = 0.0263 ug/l
BEC = 0.06672 ug/l
Ratio
Conc(ug/l)
121 Sb [1] ISTD :159 Tb [1]
y = 0.0012 * x + 1.9575E-004
R = 1.0000
DL = 0.04341 ug/l
BEC = 0.1641 ug/l
Ratio
Conc(ug/l)
137 Ba [1] ISTD :159 Tb [1]
y = 5.8170E-004 * x + 8.0094E-00
R=1.0000
DL = 0.0238 ug/l
BEC = 0.1377 ug/l
251.802
Ratio
Conc(ug/l)
205 Tl [1] ISTD :209 Bi [1]
y = 0.0056 * x + 2.6607E-
R = 1.0000
DL = 0.005103 ug/l
BEC = 0.04726 ug/l
Ratio
Conc(ug/l)
208 Pb [1] ISTD :209 Bi [1]
y = 0.0077 * x + 1.2911E-004
R = 0.9999
DL = 0.007776 ug/l
BEC = 0.01671 ug/l
0.1243
16.066
Ratio
Conc(ug/l)
6 Li (ISTD) [1]
CPS
Conc(ug/l)
45 Sc (ISTD) [1]
CPS
Conc(ug/l)
45 Sc (ISTD) [2]
CPS
Conc(ug/l)
45 Sc (ISTD) [3]
CPS
Conc(ug/l)
72 Ge (ISTD) [1]
CPS
Conc(ug/l)
72 Ge (ISTD) [2]
CPS
Conc(ug/l)
72 Ge (ISTD) [3]
CPS
Conc(ug/l)

103 Rh (ISTD) [1]
x10 6
5
0
CPS
0.5
1.0
Conc(ug/l)
103 Rh (ISTD) [2]
x10 6
2
0
CPS
0.5
1.0
Conc(ug/l)
115 In (ISTD) [1]
x10 6
5
0
CPS
0.5
1.0
Conc(ug/l)
115 In (ISTD) [2]
x10 6
1
0
CPS
0.5
1.0
Conc(ug/l)
159 Tb (ISTD) [1]
x10 7
1
0.5
0
CPS
0.5
1.0
Conc(ug/l)
159 Tb (ISTD) [2]
x10 6
5
0
CPS
0.5
1.0
Conc(ug/l)
165 Ho (ISTD) [1]
x10 7
1
0.5
0
CPS
0.5
1.0
Conc(ug/l)
165 Ho (ISTD) [2]
x10 6
5
0
CPS
0.5
1.0
Conc(ug/l)
209 Bi (ISTD) [1]
x10 6
5
0
CPS
0.5
1.0
Conc(ug/l)
209 Bi (ISTD) [2]
x10 6
4
2
0
CPS
0.5
1.0
Conc(ug/l)

Quantitation Report

File Name	001CALB.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 16:08
Sample Name	STDA 2
Sample Type	CalBlk
Comment	0
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.000	ug/l	7012.87	5.33	3.775E-06	Pulse	0.25	3
B	11	6	1	0.048	ug/l	102.03	1,240.08	8.812E-04	Pulse	0.15	3
Na	23	45	1	-1.637	ug/l	-3.46	103,223.82	4.382E-02	Pulse	0.10	3
Na	23	45	2	0.129	ug/l	92.35	4,353.98	3.227E-02	Pulse	0.20	3
Mg	24	45	1	-0.055	ug/l	-31.51	2,136.88	9.070E-04	Pulse	0.10	3
Mg	24	45	2	-0.211	ug/l	-41.75	55.00	4.073E-04	Pulse	0.20	3
Al	27	45	1	-0.114	ug/l	-26.04	4,094.00	1.738E-03	Pulse	0.10	3
Al	27	45	2	0.181	ug/l	145.25	43.33	3.234E-04	Pulse	0.20	3
K	39	45	1	-0.410	ug/l	-67.21	564,008.68	2.394E-01	Pulse	0.10	3
K	39	45	2	0.012	ug/l	6448.93	4,395.67	3.260E-02	Pulse	0.20	3
Ca	43	45	1	-0.329	ug/l	-25.36	41.11	1.745E-05	Pulse	1.50	3
Ca	43	45	2	-74.063	ug/l	-2.13	1.11	8.196E-06	Pulse	1.50	3
Ca	44	45	1	0.213	ug/l	281.92	1,883.53	7.998E-04	Pulse	0.10	3
Ca	44	45	2	-0.611	ug/l	-85.20	11.67	8.607E-05	Pulse	0.20	3
Ti	47	45	1	-0.013	ug/l	-290.76	50.00	2.130E-05	Pulse	0.10	3
Ti	47	45	2	0.000	ug/l	---	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	0.009	ug/l	79.62	306.68	2.273E-03	Pulse	0.20	3
Cr	52	45	2	0.021	ug/l	30.27	1,051.72	7.791E-03	Pulse	0.20	3
Mn	55	45	2	-0.001	ug/l	-137.64	3.33	2.447E-05	Pulse	0.20	3
Fe	56	45	2	-0.012	ug/l	-107.58	1,785.15	1.323E-02	Pulse	0.20	3
Co	59	45	2	0.000	ug/l	2170.78	21.67	1.617E-04	Pulse	0.20	3
Ni	60	45	2	0.011	ug/l	31.20	128.33	9.516E-04	Pulse	0.20	3
Cu	63	45	2	0.005	ug/l	239.61	123.33	9.132E-04	Pulse	0.20	3
Cu	65	45	2	0.014	ug/l	94.93	60.00	4.471E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.050	ug/l	-26.68	11.67	8.530E-05	Pulse	0.20	3
As	75	45	2	-0.007	ug/l	-115.12	10.67	7.862E-05	Pulse	0.50	3
Se	78	45	2	-0.006	ug/l	-1170.92	6.67	4.970E-05	Pulse	1.00	3
Se	78	45	3	0.034	ug/l	75.07	3.67	1.583E-05	Pulse	1.00	3
Sr	88	45	1	-0.002	ug/l	-149.36	313.35	1.330E-04	Pulse	0.10	3
Mo	95	103	1	-0.003	ug/l	-200.64	43.33	1.227E-05	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	928.95	80.00	1.981E-05	Pulse	0.10	3
Cd	111	115	1	-0.003	ug/l	-29.35	1.33	3.323E-07	Pulse	0.25	3
Cd	111	115	2	0.002	ug/l	91.32	5.33	5.084E-06	Pulse	0.25	3
Sn	117	115	1	-0.005	ug/l	-89.32	53.33	1.323E-05	Pulse	0.10	3
Sn	118	115	1	-0.004	ug/l	-97.73	216.68	5.379E-05	Pulse	0.10	3
Sn	118	115	2	0.005	ug/l	402.78	70.00	6.628E-05	Pulse	0.10	3
Sn	119	115	1	-0.013	ug/l	-71.01	73.34	1.819E-05	Pulse	0.10	3
Sb	121	159	1	0.005	ug/l	152.71	170.01	2.459E-05	Pulse	0.10	3
Ba	137	159	1	0.011	ug/l	216.32	570.04	8.231E-05	Pulse	0.10	3
Tl	205	209	1	-0.004	ug/l	-47.49	476.70	1.100E-04	Pulse	0.10	3
Pb	208	209	1	-0.002	ug/l	-64.90	400.02	9.224E-05	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,407,137.51	0.74	100.0	Analog	0.10	3
1	Sc	45	2,355,508.30	0.57	100.0	Analog	0.10	3
2	Sc	45	134,934.55	3.47	100.0	Pulse	0.10	3
3	Sc	45	230,394.14	1.60	100.0	Pulse	0.10	3
1	Ge	72	477,595.59	0.30	100.0	Pulse	0.10	3
2	Ge	72	81,619.20	2.65	100.0	Pulse	0.10	3
3	Ge	72	116,437.62	1.89	100.0	Pulse	0.10	3
1	Rh	103	3,539,091.82	0.88	100.0	Analog	0.10	3
2	Rh	103	2,239,618.09	3.83	100.0	Analog	0.10	3
1	In	115	4,029,847.11	0.49	100.0	Analog	0.10	3
2	In	115	1,055,296.95	3.20	100.0	Pulse	0.10	3
1	Tb	159	6,918,968.23	0.86	100.0	Analog	0.10	3
2	Tb	159	4,256,217.33	3.90	100.0	Analog	0.10	3
1	Ho	165	6,746,659.90	0.67	100.0	Analog	0.10	3
2	Ho	165	4,190,593.58	4.05	100.0	Analog	0.10	3
1	Bi	209	4,336,551.08	0.39	100.0	Analog	0.10	3
2	Bi	209	2,992,823.50	3.37	100.0	Analog	0.10	3

Quantitation Report

File Name	002CALB.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 16:13
Sample Name	STDA
Sample Type	CalBlk
Comment	0
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.000	ug/l	611443.08	5.33	3.729E-06	Pulse	0.25	3
B	11	6	1	0.033	ug/l	36.97	1,222.30	8.541E-04	Pulse	0.15	3
Na	23	45	1	-1.647	ug/l	-7.26	103,998.25	4.378E-02	Pulse	0.10	3
Na	23	45	2	0.000	ug/l	---	4,330.65	3.188E-02	Pulse	0.20	3
Mg	24	45	1	0.000	ug/l	---	2,523.63	1.062E-03	Pulse	0.10	3
Mg	24	45	2	-0.036	ug/l	-428.04	91.67	6.737E-04	Pulse	0.20	3
Al	27	45	1	-0.059	ug/l	-54.33	4,620.84	1.945E-03	Pulse	0.10	3
Al	27	45	2	0.000	ug/l	---	30.00	2.214E-04	Pulse	0.20	3
K	39	45	1	0.000	ug/l	---	573,584.91	2.415E-01	Pulse	0.10	3
K	39	45	2	-0.435	ug/l	-9.49	4,338.97	3.195E-02	Pulse	0.20	3
Ca	43	45	1	0.000	ug/l	---	49.11	2.067E-05	Pulse	1.50	3
Ca	43	45	2	-72.701	ug/l	-4.23	2.00	1.477E-05	Pulse	1.50	3
Ca	44	45	1	0.000	ug/l	---	1,820.19	7.661E-04	Pulse	0.10	3
Ca	44	45	2	0.000	ug/l	---	18.33	1.353E-04	Pulse	0.20	3
Ti	47	45	1	0.001	ug/l	3778.90	66.67	2.812E-05	Pulse	0.10	3
Ti	47	45	2	0.000	ug/l	---	0.00		Pulse	0.20	3
V	51	45	2	-0.003	ug/l	-973.82	283.34	2.084E-03	Pulse	0.20	3
Cr	52	45	2	-0.020	ug/l	-171.69	940.05	6.925E-03	Pulse	0.20	3
Mn	55	45	2	0.000	ug/l	-9.87	5.00	3.682E-05	Pulse	0.20	3
Fe	56	45	2	0.000	ug/l	---	1,825.14	1.344E-02	Pulse	0.20	3
Co	59	45	2	0.000	ug/l	-308.50	20.00	1.472E-04	Pulse	0.20	3
Ni	60	45	2	-0.003	ug/l	-650.54	113.33	8.335E-04	Pulse	0.20	3
Cu	63	45	2	-0.004	ug/l	-256.18	96.67	7.114E-04	Pulse	0.20	3
Cu	65	45	2	0.000	ug/l	---	40.00	2.951E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.013	ug/l	-86.78	31.67	2.334E-04	Pulse	0.20	3
As	75	45	2	-0.003	ug/l	-343.80	12.00	8.837E-05	Pulse	0.50	3
Se	78	45	2	-0.039	ug/l	-225.77	5.67	4.172E-05	Pulse	1.00	3
Se	78	45	3	0.000	ug/l	---	0.33	1.409E-06	Pulse	1.00	3
Sr	88	45	1	0.001	ug/l	723.92	386.69	1.627E-04	Pulse	0.10	3
Mo	95	103	1	0.000	ug/l	---	56.67	1.587E-05	Pulse	0.10	3
Ag	107	115	1	0.000	ug/l	816.93	76.67	1.883E-05	Pulse	0.10	3
Cd	111	115	1	0.000	ug/l	---	9.33	2.293E-06	Pulse	0.25	3
Cd	111	115	2	0.000	ug/l	---	2.67	2.557E-06	Pulse	0.25	3
Sn	117	115	1	0.000	ug/l	---	66.67	1.639E-05	Pulse	0.10	3
Sn	118	115	1	0.000	ug/l	---	253.35	6.221E-05	Pulse	0.10	3
Sn	118	115	2	0.000	ug/l	---	56.67	5.434E-05	Pulse	0.10	3
Sn	119	115	1	0.000	ug/l	---	110.01	2.699E-05	Pulse	0.10	3
Sb	121	159	1	0.002	ug/l	173.24	150.01	2.139E-05	Pulse	0.10	3
Ba	137	159	1	0.013	ug/l	443.21	583.37	8.327E-05	Pulse	0.10	3
Tl	205	209	1	-0.007	ug/l	-38.81	430.03	9.830E-05	Pulse	0.10	3
Pb	208	209	1	0.001	ug/l	390.43	510.03	1.165E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,431,285.55	0.99	100.0	Analog	0.10	3
1	Sc	45	2,375,507.62	0.54	100.0	Analog	0.10	3
2	Sc	45	135,814.27	0.82	100.0	Pulse	0.10	3
3	Sc	45	237,440.60	0.34	100.0	Pulse	0.10	3
1	Ge	72	490,186.47	0.29	100.0	Pulse	0.10	3
2	Ge	72	80,693.42	3.40	100.0	Pulse	0.10	3
3	Ge	72	118,227.30	1.48	100.0	Pulse	0.10	3
1	Rh	103	3,574,992.97	0.82	100.0	Analog	0.10	3
2	Rh	103	2,210,269.81	0.92	100.0	Analog	0.10	3
1	In	115	4,072,274.20	0.40	100.0	Analog	0.10	3
2	In	115	1,041,929.63	0.38	100.0	Pulse	0.10	3
1	Tb	159	7,010,130.73	0.67	100.0	Analog	0.10	3
2	Tb	159	4,171,647.34	0.39	100.0	Analog	0.10	3
1	Ho	165	6,798,950.32	0.24	100.0	Analog	0.10	3
2	Ho	165	4,122,019.42	0.96	100.0	Analog	0.10	3
1	Bi	209	4,374,860.66	1.48	100.0	Analog	0.10	3
2	Bi	209	2,951,872.25	0.47	100.0	Analog	0.10	3

Quantitation Report

File Name	003CALS.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 16:19
Sample Name	STDB
Sample Type	CalStd
Comment	0.5
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.526	ug/l	11.73	1,462.75	1.015E-03	Pulse	0.25	3
B	11	6	1	0.496	ug/l	20.21	2,431.35	1.688E-03	Pulse	0.15	3
Na	23	45	1	-0.407	ug/l	-29.43	117,438.51	4.910E-02	Pulse	0.10	3
Na	23	45	2	1.335	ug/l	50.46	4,882.47	3.590E-02	Pulse	0.20	3
Mg	24	45	1	0.732	ug/l	3.65	7,531.99	3.149E-03	Pulse	0.10	3
Mg	24	45	2	0.545	ug/l	7.58	211.67	1.557E-03	Pulse	0.20	3
Al	27	45	1	0.562	ug/l	6.59	10,273.61	4.295E-03	Pulse	0.10	3
Al	27	45	2	0.541	ug/l	30.09	71.67	5.269E-04	Pulse	0.20	3
K	39	45	1	1.128	ug/l	41.71	590,763.60	2.470E-01	Pulse	0.10	3
K	39	45	2	0.588	ug/l	165.42	4,547.38	3.345E-02	Pulse	0.20	3
Ca	43	45	1	3.783	ug/l	15.05	137.78	5.760E-05	Pulse	1.50	3
Ca	43	45	2	-67.294	ug/l	-3.88	5.55	4.090E-05	Pulse	1.50	3
Ca	44	45	1	3.698	ug/l	9.53	3,233.78	1.352E-03	Pulse	0.10	3
Ca	44	45	2	6.231	ug/l	15.89	86.67	6.377E-04	Pulse	0.20	3
Ti	47	45	1	0.542	ug/l	11.25	690.05	2.885E-04	Pulse	0.10	3
Ti	47	45	2	0.490	ug/l	66.14	38.33	2.827E-04	Pulse	0.20	3
V	51	45	2	0.509	ug/l	7.56	1,411.76	1.038E-02	Pulse	0.20	3
Cr	52	45	2	0.531	ug/l	4.44	2,523.57	1.856E-02	Pulse	0.20	3
Mn	55	45	2	0.528	ug/l	13.59	878.37	6.457E-03	Pulse	0.20	3
Fe	56	45	2	0.547	ug/l	13.88	3,080.35	2.265E-02	Pulse	0.20	3
Co	59	45	2	0.529	ug/l	5.89	2,311.87	1.700E-02	Pulse	0.20	3
Ni	60	45	2	0.504	ug/l	11.73	691.69	5.085E-03	Pulse	0.20	3
Cu	63	45	2	0.564	ug/l	6.13	1,845.14	1.357E-02	Pulse	0.20	3
Cu	65	45	2	0.633	ug/l	9.29	996.72	7.331E-03	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.620	ug/l	37.41	371.68	2.732E-03	Pulse	0.20	3
As	75	45	2	0.542	ug/l	5.51	191.33	1.407E-03	Pulse	0.50	3
Se	78	45	2	0.652	ug/l	41.15	28.33	2.085E-04	Pulse	1.00	3
Se	78	45	3	0.458	ug/l	23.39	46.33	1.953E-04	Pulse	1.00	3
Sr	88	45	1	0.501	ug/l	1.35	13,723.02	5.738E-03	Pulse	0.10	3
Mo	95	103	1	0.517	ug/l	10.73	2,436.96	6.749E-04	Pulse	0.10	3
Ag	107	115	1	0.489	ug/l	2.85	5,147.67	1.258E-03	Pulse	0.10	3
Cd	111	115	1	0.459	ug/l	7.85	1,149.39	2.809E-04	Pulse	0.25	3
Cd	111	115	2	0.490	ug/l	18.39	526.68	5.019E-04	Pulse	0.25	3
Sn	117	115	1	0.460	ug/l	2.80	1,170.09	2.859E-04	Pulse	0.10	3
Sn	118	115	1	0.505	ug/l	9.64	4,180.74	1.022E-03	Pulse	0.10	3
Sn	118	115	2	0.507	ug/l	10.38	1,286.77	1.226E-03	Pulse	0.10	3
Sn	119	115	1	0.509	ug/l	12.64	1,543.46	3.773E-04	Pulse	0.10	3
Sb	121	159	1	0.479	ug/l	4.70	3,857.30	5.487E-04	Pulse	0.10	3
Ba	137	159	1	0.464	ug/l	14.26	2,373.60	3.377E-04	Pulse	0.10	3
Tl	205	209	1	0.509	ug/l	0.61	12,952.85	2.952E-03	Pulse	0.10	3
Pb	208	209	1	0.490	ug/l	3.22	17,354.73	3.956E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,440,841.62	0.50	100.7	Analog	0.10	3
1	Sc	45	2,391,625.12	0.28	100.7	Analog	0.10	3
2	Sc	45	135,979.70	0.69	100.1	Pulse	0.10	3
3	Sc	45	237,324.24	0.70	100.0	Pulse	0.10	3
1	Ge	72	488,489.29	1.38	99.7	Pulse	0.10	3
2	Ge	72	81,169.33	0.46	100.6	Pulse	0.10	3
3	Ge	72	116,686.39	1.86	98.7	Pulse	0.10	3
1	Rh	103	3,610,240.78	0.67	101.0	Analog	0.10	3
2	Rh	103	2,212,710.54	0.55	100.1	Analog	0.10	3
1	In	115	4,092,230.68	0.37	100.5	Analog	0.10	3
2	In	115	1,049,710.33	0.33	100.7	Pulse	0.10	3
1	Tb	159	7,029,190.52	0.26	100.3	Analog	0.10	3
2	Tb	159	4,178,839.21	0.23	100.2	Analog	0.10	3
1	Ho	165	6,815,190.11	0.38	100.2	Analog	0.10	3
2	Ho	165	4,128,496.61	0.50	100.2	Analog	0.10	3
1	Bi	209	4,387,130.87	0.33	100.3	Analog	0.10	3
2	Bi	209	2,955,809.85	0.51	100.1	Analog	0.10	3

Quantitation Report

File Name	004CALS.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 16:24
Sample Name	STDC
Sample Type	CalStd
Comment	5
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	4.911	ug/l	4.67	13,772.33	9.447E-03	Pulse	0.25	3
B	11	6	1	4.887	ug/l	2.76	13,986.06	9.593E-03	Pulse	0.15	3
Na	23	45	1	4.772	ug/l	3.20	171,126.57	7.134E-02	Pulse	0.10	3
Na	23	45	2	6.771	ug/l	13.37	7,124.97	5.224E-02	Pulse	0.20	3
Mg	24	45	1	5.319	ug/l	1.57	38,912.41	1.622E-02	Pulse	0.10	3
Mg	24	45	2	5.052	ug/l	7.80	1,146.72	8.409E-03	Pulse	0.20	3
Al	27	45	1	5.111	ug/l	1.42	51,576.87	2.150E-02	Pulse	0.10	3
Al	27	45	2	5.020	ug/l	2.33	416.68	3.055E-03	Pulse	0.20	3
K	39	45	1	6.201	ug/l	0.95	652,448.05	2.720E-01	Pulse	0.10	3
K	39	45	2	5.594	ug/l	20.58	5,561.04	4.078E-02	Pulse	0.20	3
Ca	43	45	1	11.166	ug/l	2.67	311.11	1.297E-04	Pulse	1.50	3
Ca	43	45	2	-35.284	ug/l	-9.85	26.67	1.955E-04	Pulse	1.50	3
Ca	44	45	1	9.953	ug/l	5.08	5,621.17	2.343E-03	Pulse	0.10	3
Ca	44	45	2	29.854	ug/l	20.53	346.68	2.542E-03	Pulse	0.20	3
Ti	47	45	1	4.807	ug/l	4.48	5,614.53	2.340E-03	Pulse	0.10	3
Ti	47	45	2	5.472	ug/l	18.01	430.01	3.155E-03	Pulse	0.20	3
V	51	45	2	5.032	ug/l	0.88	11,409.08	8.366E-02	Pulse	0.20	3
Cr	52	45	2	5.111	ug/l	1.96	15,712.72	1.152E-01	Pulse	0.20	3
Mn	55	45	2	5.124	ug/l	2.29	8,497.33	6.230E-02	Pulse	0.20	3
Fe	56	45	2	5.457	ug/l	5.86	14,364.81	1.053E-01	Pulse	0.20	3
Co	59	45	2	5.093	ug/l	1.82	22,123.48	1.622E-01	Pulse	0.20	3
Ni	60	45	2	5.093	ug/l	4.04	5,937.84	4.355E-02	Pulse	0.20	3
Cu	63	45	2	5.056	ug/l	1.72	15,701.09	1.151E-01	Pulse	0.20	3
Cu	65	45	2	5.170	ug/l	1.55	7,873.70	5.773E-02	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	5.217	ug/l	7.77	2,846.97	2.087E-02	Pulse	0.20	3
As	75	45	2	5.027	ug/l	1.89	1,672.77	1.226E-02	Pulse	0.50	3
Se	78	45	2	5.186	ug/l	15.96	177.67	1.303E-03	Pulse	1.00	3
Se	78	45	3	5.060	ug/l	1.00	511.34	2.142E-03	Pulse	1.00	3
Sr	88	45	1	4.941	ug/l	0.68	132,391.76	5.519E-02	Pulse	0.10	3
Mo	95	103	1	4.881	ug/l	2.96	22,656.76	6.240E-03	Pulse	0.10	3
Ag	107	115	1	5.031	ug/l	1.30	52,283.66	1.279E-02	Pulse	0.10	3
Cd	111	115	1	4.859	ug/l	2.80	12,078.07	2.954E-03	Pulse	0.25	3
Cd	111	115	2	5.059	ug/l	1.21	5,370.33	5.156E-03	Pulse	0.25	3
Sn	117	115	1	5.026	ug/l	2.21	12,121.84	2.964E-03	Pulse	0.10	3
Sn	118	115	1	4.966	ug/l	1.85	38,822.16	9.494E-03	Pulse	0.10	3
Sn	118	115	2	4.958	ug/l	1.14	11,998.37	1.152E-02	Pulse	0.10	3
Sn	119	115	1	5.026	ug/l	2.33	14,263.60	3.488E-03	Pulse	0.10	3
Sb	121	159	1	4.940	ug/l	3.05	38,578.33	5.481E-03	Pulse	0.10	3
Ba	137	159	1	5.088	ug/l	1.44	20,757.82	2.949E-03	Pulse	0.10	3
Tl	205	209	1	5.140	ug/l	1.51	125,058.31	2.856E-02	Pulse	0.10	3
Pb	208	209	1	5.034	ug/l	0.28	173,498.47	3.962E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,457,881.36	0.05	101.9	Analog	0.10	3
1	Sc	45	2,398,826.68	0.39	101.0	Analog	0.10	3
2	Sc	45	136,379.69	0.86	100.4	Pulse	0.10	3
3	Sc	45	238,772.20	1.79	100.6	Pulse	0.10	3
1	Ge	72	499,559.83	0.82	101.9	Pulse	0.10	3
2	Ge	72	81,497.59	1.79	101.0	Pulse	0.10	3
3	Ge	72	118,317.13	0.98	100.1	Pulse	0.10	3
1	Rh	103	3,630,644.64	0.45	101.6	Analog	0.10	3
2	Rh	103	2,229,299.03	0.53	100.9	Analog	0.10	3
1	In	115	4,089,156.85	0.14	100.4	Analog	0.10	3
2	In	115	1,041,534.53	0.78	100.0	Pulse	0.10	3
1	Tb	159	7,039,419.90	1.01	100.4	Analog	0.10	3
2	Tb	159	4,198,545.14	0.36	100.6	Analog	0.10	3
1	Ho	165	6,895,344.48	0.50	101.4	Analog	0.10	3
2	Ho	165	4,154,356.40	0.47	100.8	Analog	0.10	3
1	Bi	209	4,379,009.94	0.44	100.1	Analog	0.10	3
2	Bi	209	2,962,348.50	0.11	100.4	Analog	0.10	3

Quantitation Report

File Name	005CALS.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 16:29
Sample Name	STDD
Sample Type	CalStd
Comment	25
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	24.400	ug/l	1.62	68,411.74	4.692E-02	Pulse	0.25	3
B	11	6	1	24.036	ug/l	1.33	64,258.98	4.408E-02	Pulse	0.15	3
Na	23	45	1	29.073	ug/l	0.89	421,948.76	1.757E-01	Pulse	0.10	3
Na	23	45	2	31.175	ug/l	2.01	16,751.97	1.256E-01	Pulse	0.20	3
Mg	24	45	1	24.812	ug/l	1.03	172,406.55	7.178E-02	Pulse	0.10	3
Mg	24	45	2	25.052	ug/l	3.90	5,174.23	3.882E-02	Pulse	0.20	3
Al	27	45	1	24.221	ug/l	0.94	225,256.98	9.378E-02	Pulse	0.10	3
Al	27	45	2	24.892	ug/l	8.15	1,901.82	1.427E-02	Pulse	0.20	3
K	39	45	1	25.470	ug/l	2.06	881,060.87	3.668E-01	Pulse	0.10	3
K	39	45	2	24.312	ug/l	5.59	9,092.68	6.820E-02	Pulse	0.20	3
Ca	43	45	1	41.667	ug/l	1.09	1,026.92	4.275E-04	Pulse	1.50	3
Ca	43	45	2	137.438	ug/l	1.70	137.33	1.030E-03	Pulse	1.50	3
Ca	44	45	1	34.967	ug/l	3.52	15,147.52	6.307E-03	Pulse	0.10	3
Ca	44	45	2	124.877	ug/l	12.95	1,360.09	1.020E-02	Pulse	0.20	3
Ti	47	45	1	24.079	ug/l	1.38	27,891.10	1.161E-02	Pulse	0.10	3
Ti	47	45	2	25.413	ug/l	2.75	1,953.49	1.465E-02	Pulse	0.20	3
V	51	45	2	24.918	ug/l	1.88	54,104.84	4.058E-01	Pulse	0.20	3
Cr	52	45	2	24.979	ug/l	0.79	71,260.87	5.344E-01	Pulse	0.20	3
Mn	55	45	2	24.967	ug/l	2.01	40,451.26	3.034E-01	Pulse	0.20	3
Fe	56	45	2	26.602	ug/l	3.20	61,526.07	4.615E-01	Pulse	0.20	3
Co	59	45	2	25.038	ug/l	2.61	106,246.35	7.969E-01	Pulse	0.20	3
Ni	60	45	2	25.208	ug/l	1.89	28,282.96	2.121E-01	Pulse	0.20	3
Cu	63	45	2	25.405	ug/l	2.00	76,686.48	5.752E-01	Pulse	0.20	3
Cu	65	45	2	25.003	ug/l	2.48	37,070.49	2.781E-01	Pulse	0.20	3
Zn	66	45	2	24.986	ug/l	2.73	13,182.17	9.888E-02	Pulse	0.20	3
As	75	45	2	25.093	ug/l	1.46	8,112.07	6.084E-02	Pulse	0.50	3
Se	78	45	2	25.462	ug/l	2.36	826.02	6.196E-03	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	24.581	ug/l	1.53	2,433.52	1.040E-02	Pulse	1.00	3
Sr	88	45	1	24.361	ug/l	0.86	652,046.50	2.715E-01	Pulse	0.10	3
Mo	95	103	1	23.814	ug/l	2.86	109,876.44	3.038E-02	Pulse	0.10	3
Ag	107	115	1	24.845	ug/l	0.87	259,126.12	6.307E-02	Pulse	0.10	3
Cd	111	115	1	24.167	ug/l	0.72	60,312.86	1.468E-02	Pulse	0.25	3
Cd	111	115	2	25.096	ug/l	1.25	26,211.19	2.557E-02	Pulse	0.25	3
Sn	117	115	1	24.255	ug/l	1.03	58,519.47	1.424E-02	Pulse	0.10	3
Sn	118	115	1	24.264	ug/l	0.73	189,583.59	4.614E-02	Pulse	0.10	3
Sn	118	115	2	25.278	ug/l	1.83	59,985.38	5.852E-02	Pulse	0.10	3
Sn	119	115	1	24.494	ug/l	1.26	69,403.92	1.689E-02	Pulse	0.10	3
Sb	121	159	1	24.058	ug/l	1.86	187,364.23	2.662E-02	Pulse	0.10	3
Ba	137	159	1	24.210	ug/l	0.88	96,751.01	1.375E-02	Pulse	0.10	3
Tl	205	209	1	25.019	ug/l	1.05	610,641.95	1.385E-01	Pulse	0.10	3
Pb	208	209	1	24.386	ug/l	0.56	844,397.58	1.915E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,457,972.94	0.49	101.9	Analog	0.10	3
1	Sc	45	2,401,900.49	0.38	101.1	Analog	0.10	3
2	Sc	45	133,344.47	1.21	98.2	Pulse	0.10	3
3	Sc	45	234,031.70	0.06	98.6	Pulse	0.10	3
1	Ge	72	501,420.12	2.34	102.3	Pulse	0.10	3
2	Ge	72	80,341.65	1.23	99.6	Pulse	0.10	3
3	Ge	72	116,525.02	0.83	98.6	Pulse	0.10	3
1	Rh	103	3,616,473.80	0.44	101.2	Analog	0.10	3
2	Rh	103	2,202,666.89	0.29	99.7	Analog	0.10	3
1	In	115	4,108,430.35	0.28	100.9	Analog	0.10	3
2	In	115	1,025,052.71	0.58	98.4	Pulse	0.10	3
1	Tb	159	7,039,318.85	0.97	100.4	Analog	0.10	3
2	Tb	159	4,154,264.00	0.04	99.6	Analog	0.10	3
1	Ho	165	6,853,707.81	0.77	100.8	Analog	0.10	3
2	Ho	165	4,109,015.15	0.24	99.7	Analog	0.10	3
1	Bi	209	4,409,009.31	0.29	100.8	Analog	0.10	3
2	Bi	209	2,955,412.77	0.73	100.1	Analog	0.10	3

Quantitation Report

File Name	006CALS.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 16:34
Sample Name	STDE
Sample Type	CalStd
Comment	50
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	48.719	ug/l	1.13	133,967.12	9.369E-02	Pulse	0.25	3
B	11	6	1	48.377	ug/l	0.85	125,699.33	8.791E-02	Pulse	0.15	3
Na	23	45	1	49.227	ug/l	0.43	616,741.14	2.622E-01	Pulse	0.10	3
Na	23	45	2	51.957	ug/l	3.92	24,151.13	1.881E-01	Pulse	0.20	3
Mg	24	45	1	49.618	ug/l	0.50	335,136.73	1.425E-01	Pulse	0.10	3
Mg	24	45	2	49.164	ug/l	3.83	9,691.28	7.547E-02	Pulse	0.20	3
Al	27	45	1	47.900	ug/l	0.77	431,280.20	1.834E-01	Pulse	0.10	3
Al	27	45	2	50.165	ug/l	2.49	3,663.79	2.854E-02	Pulse	0.20	3
K	39	45	1	49.580	ug/l	0.64	1,141,932.98	4.855E-01	Pulse	0.10	3
K	39	45	2	48.652	ug/l	1.41	13,337.21	1.039E-01	Pulse	0.20	3
Ca	43	45	1	85.129	ug/l	2.23	2,004.13	8.520E-04	Pulse	1.50	3
Ca	43	45	2	340.915	ug/l	11.35	258.23	2.013E-03	Pulse	1.50	3
Ca	44	45	1	73.163	ug/l	3.85	29,066.31	1.236E-02	Pulse	0.10	3
Ca	44	45	2	259.335	ug/l	1.58	2,701.95	2.104E-02	Pulse	0.20	3
Ti	47	45	1	48.309	ug/l	0.77	54,734.65	2.327E-02	Pulse	0.10	3
Ti	47	45	2	50.299	ug/l	4.69	3,722.16	2.900E-02	Pulse	0.20	3
V	51	45	2	50.586	ug/l	2.00	105,489.43	8.216E-01	Pulse	0.20	3
Cr	52	45	2	50.748	ug/l	1.99	138,433.93	1.078E+00	Pulse	0.20	3
Mn	55	45	2	50.861	ug/l	3.09	79,334.47	6.180E-01	Pulse	0.20	3
Fe	56	45	2	53.875	ug/l	1.84	118,241.20	9.209E-01	Pulse	0.20	3
Co	59	45	2	50.681	ug/l	1.61	207,109.17	1.613E+00	Pulse	0.20	3
Ni	60	45	2	50.322	ug/l	1.74	54,266.17	4.226E-01	Pulse	0.20	3
Cu	63	45	2	50.781	ug/l	1.98	147,503.22	1.149E+00	Pulse	0.20	3
Cu	65	45	2	51.145	ug/l	3.02	72,975.09	5.685E-01	Pulse	0.20	3
Zn	66	45	2	50.562	ug/l	1.24	25,657.13	1.998E-01	Pulse	0.20	3
As	75	45	2	50.534	ug/l	2.47	15,718.30	1.224E-01	Pulse	0.50	3
Se	78	45	2	50.401	ug/l	3.85	1,567.75	1.221E-02	Pulse	1.00	3
Se	78	45	3	49.868	ug/l	3.11	4,827.40	2.109E-02	Pulse	1.00	3
Sr	88	45	1	48.084	ug/l	0.38	1,260,035.40	5.357E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	47.814	ug/l	0.78	216,938.04	6.099E-02	Pulse	0.10	3
Ag	107	115	1	48.230	ug/l	0.66	494,110.34	1.224E-01	Pulse	0.10	3
Cd	111	115	1	47.980	ug/l	0.61	117,628.23	2.914E-02	Pulse	0.25	3
Cd	111	115	2	50.382	ug/l	1.16	51,350.96	5.133E-02	Pulse	0.25	3
Sn	117	115	1	47.493	ug/l	0.51	112,506.84	2.787E-02	Pulse	0.10	3
Sn	118	115	1	47.645	ug/l	1.45	365,470.43	9.055E-02	Pulse	0.10	3
Sn	118	115	2	49.594	ug/l	1.38	114,801.11	1.148E-01	Pulse	0.10	3
Sn	119	115	1	47.569	ug/l	1.26	132,312.99	3.278E-02	Pulse	0.10	3
Sb	121	159	1	48.379	ug/l	3.10	372,190.06	5.351E-02	Pulse	0.10	3
Ba	137	159	1	48.161	ug/l	0.70	189,666.09	2.727E-02	Pulse	0.10	3
Tl	205	209	1	49.673	ug/l	0.32	1,200,938.84	2.748E-01	Pulse	0.10	3
Pb	208	209	1	48.557	ug/l	0.24	1,665,855.01	3.812E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,429,938.78	0.28	99.9	Analog	0.10	3
1	Sc	45	2,352,175.12	0.56	99.0	Analog	0.10	3
2	Sc	45	128,430.42	2.38	94.6	Pulse	0.10	3
3	Sc	45	228,869.01	0.37	96.4	Pulse	0.10	3
1	Ge	72	498,134.18	2.37	101.6	Pulse	0.10	3
2	Ge	72	79,296.59	0.60	98.3	Pulse	0.10	3
3	Ge	72	112,707.78	1.00	95.3	Pulse	0.10	3
1	Rh	103	3,556,912.03	0.49	99.5	Analog	0.10	3
2	Rh	103	2,152,474.97	0.69	97.4	Analog	0.10	3
1	In	115	4,036,178.67	0.36	99.1	Analog	0.10	3
2	In	115	1,000,381.52	0.28	96.0	Pulse	0.10	3
1	Tb	159	6,955,713.85	0.05	99.2	Analog	0.10	3
2	Tb	159	4,118,497.54	1.05	98.7	Analog	0.10	3
1	Ho	165	6,826,563.44	0.19	100.4	Analog	0.10	3
2	Ho	165	4,056,915.98	0.51	98.4	Analog	0.10	3
1	Bi	209	4,369,524.41	0.47	99.9	Analog	0.10	3
2	Bi	209	2,917,617.56	0.14	98.8	Analog	0.10	3

Quantitation Report

File Name	007CALS.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 16:39
Sample Name	STDF
Sample Type	CalStd
Comment	100
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	102.036	ug/l	4.27	261,182.79	1.962E-01	Pulse	0.25	3
B	11	6	1	102.846	ug/l	3.90	247,598.06	1.860E-01	Pulse	0.15	3
Na	23	45	1	109.363	ug/l	5.98	1,128,435.90	5.204E-01	Pulse	0.10	3
Na	23	45	2	103.407	ug/l	4.39	43,172.53	3.429E-01	Pulse	0.20	3
Mg	24	45	1	104.500	ug/l	5.08	648,215.89	2.989E-01	Pulse	0.10	3
Mg	24	45	2	95.953	ug/l	3.96	18,462.00	1.466E-01	Pulse	0.20	3
Al	27	45	1	101.048	ug/l	5.45	833,503.79	3.844E-01	Pulse	0.10	3
Al	27	45	2	100.170	ug/l	7.02	7,144.97	5.676E-02	Pulse	0.20	3
K	39	45	1	108.603	ug/l	7.94	1,682,584.04	7.760E-01	Analog	0.10	3
K	39	45	2	94.229	ug/l	3.68	21,489.10	1.706E-01	Pulse	0.20	3
Ca	43	45	1	182.096	ug/l	5.57	3,901.57	1.799E-03	Pulse	1.50	3
Ca	43	45	2	733.785	ug/l	3.94	492.45	3.911E-03	Pulse	1.50	3
Ca	44	45	1	153.705	ug/l	3.54	54,510.03	2.512E-02	Pulse	0.10	3
Ca	44	45	2	511.806	ug/l	1.83	5,214.25	4.140E-02	Pulse	0.20	3
Ti	47	45	1	102.952	ug/l	5.59	107,457.16	4.956E-02	Pulse	0.10	3
Ti	47	45	2	99.724	ug/l	2.70	7,241.71	5.750E-02	Pulse	0.20	3
V	51	45	2	99.468	ug/l	1.16	203,254.29	1.614E+00	Pulse	0.20	3
Cr	52	45	2	99.174	ug/l	1.23	264,552.27	2.100E+00	Pulse	0.20	3
Mn	55	45	2	99.048	ug/l	1.62	151,593.68	1.204E+00	Pulse	0.20	3
Fe	56	45	2	105.270	ug/l	1.25	225,056.38	1.787E+00	Pulse	0.20	3
Co	59	45	2	99.178	ug/l	2.00	397,542.88	3.156E+00	Pulse	0.20	3
Ni	60	45	2	99.386	ug/l	0.92	105,042.49	8.338E-01	Pulse	0.20	3
Cu	63	45	2	98.741	ug/l	0.97	281,315.22	2.233E+00	Pulse	0.20	3
Cu	65	45	2	99.418	ug/l	0.73	139,179.47	1.105E+00	Pulse	0.20	3
Zn	66	45	2	99.174	ug/l	1.61	49,330.92	3.916E-01	Pulse	0.20	3
As	75	45	2	99.322	ug/l	2.64	30,294.75	2.405E-01	Pulse	0.50	3
Se	78	45	2	98.904	ug/l	0.99	3,013.29	2.392E-02	Pulse	1.00	3
Se	78	45	3	100.168	ug/l	0.99	9,182.93	4.237E-02	Pulse	1.00	3
Sr	88	45	1	102.781	ug/l	6.07	2,482,004.60	1.145E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	101.395	ug/l	4.68	424,329.21	1.293E-01	Pulse	0.10	3
Ag	107	115	1	102.011	ug/l	4.39	973,502.90	2.589E-01	Pulse	0.10	3
Cd	111	115	1	101.225	ug/l	4.15	231,188.64	6.148E-02	Pulse	0.25	3
Cd	111	115	2	99.782	ug/l	1.17	98,675.52	1.017E-01	Pulse	0.25	3
Sn	117	115	1	101.439	ug/l	4.17	223,797.59	5.952E-02	Pulse	0.10	3
Sn	118	115	1	101.363	ug/l	4.87	724,002.57	1.926E-01	Pulse	0.10	3
Sn	118	115	2	100.136	ug/l	0.14	224,835.75	2.317E-01	Pulse	0.10	3
Sn	119	115	1	101.341	ug/l	4.64	262,470.61	6.981E-02	Pulse	0.10	3
Sb	121	159	1	102.811	ug/l	6.95	741,036.63	1.137E-01	Pulse	0.10	3
Ba	137	159	1	102.738	ug/l	4.98	378,801.17	5.808E-02	Pulse	0.10	3
Tl	205	209	1	106.456	ug/l	5.09	2,424,404.29	5.889E-01	Analog	0.10	3
Pb	208	209	1	102.137	ug/l	4.82	3,301,239.41	8.018E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,332,436.02	3.50	93.1	Analog	0.10	3
1	Sc	45	2,172,391.74	5.12	91.4	Analog	0.10	3
2	Sc	45	125,991.41	2.28	92.8	Pulse	0.10	3
3	Sc	45	216,732.39	0.47	91.3	Pulse	0.10	3
1	Ge	72	467,858.35	7.26	95.4	Pulse	0.10	3
2	Ge	72	74,567.37	1.41	92.4	Pulse	0.10	3
3	Ge	72	108,258.16	2.58	91.6	Pulse	0.10	3
1	Rh	103	3,285,615.58	4.30	91.9	Analog	0.10	3
2	Rh	103	2,097,947.78	0.28	94.9	Analog	0.10	3
1	In	115	3,764,156.10	3.77	92.4	Analog	0.10	3
2	In	115	970,565.98	1.47	93.2	Pulse	0.10	3
1	Tb	159	6,531,573.66	4.52	93.2	Analog	0.10	3
2	Tb	159	4,049,604.10	0.16	97.1	Analog	0.10	3
1	Ho	165	6,373,909.07	4.58	93.7	Analog	0.10	3
2	Ho	165	4,006,857.96	0.25	97.2	Analog	0.10	3
1	Bi	209	4,123,052.23	4.37	94.2	Analog	0.10	3
2	Bi	209	2,867,173.50	0.46	97.1	Analog	0.10	3

Quantitation Report

File Name	008CALS.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 16:45
Sample Name	STDG
Sample Type	CalStd
Comment	500
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.006	ug/l	37.42	21.33	1.533E-05	Pulse	0.25	3
B	11	6	1	1.782	ug/l	5.69	5,567.71	4.003E-03	Pulse	0.15	3
Na	23	45	1	501.704	ug/l	0.30	5,028,466.70	2.205E+00	Analog	0.10	3
Na	23	45	2	494.690	ug/l	0.56	198,617.79	1.520E+00	Pulse	0.20	3
Mg	24	45	1	511.547	ug/l	0.61	3,327,595.99	1.459E+00	Analog	0.10	3
Mg	24	45	2	502.422	ug/l	0.84	99,936.34	7.646E-01	Pulse	0.20	3
Al	27	45	1	502.433	ug/l	0.67	4,339,279.93	1.903E+00	Analog	0.10	3
Al	27	45	2	509.992	ug/l	0.79	37,655.64	2.881E-01	Pulse	0.20	3
K	39	45	1	505.642	ug/l	0.67	6,226,297.20	2.730E+00	Analog	0.10	3
K	39	45	2	504.480	ug/l	0.79	100,863.63	7.717E-01	Pulse	0.20	3
Ca	43	45	1	502.858	ug/l	0.88	11,246.44	4.931E-03	Pulse	1.50	3
Ca	43	45	2	376.132	ug/l	6.27	285.34	2.183E-03	Pulse	1.50	3
Ca	44	45	1	506.207	ug/l	0.62	184,673.98	8.097E-02	Pulse	0.10	3
Ca	44	45	2	516.089	ug/l	2.31	5,456.02	4.174E-02	Pulse	0.20	3
Ti	47	45	1	-0.024	ug/l	-94.62	36.67	1.606E-05	Pulse	0.10	3
Ti	47	45	2	0.066	ug/l	99.75	5.00	3.822E-05	Pulse	0.20	3
V	51	45	2	0.005	ug/l	374.65	288.34	2.206E-03	Pulse	0.20	3
Cr	52	45	2	-0.004	ug/l	-718.03	948.38	7.257E-03	Pulse	0.20	3
Mn	55	45	2	0.022	ug/l	24.97	40.00	3.061E-04	Pulse	0.20	3
Fe	56	45	2	525.994	ug/l	0.31	1,159,818.50	8.873E+00	Pulse	0.20	3
Co	59	45	2	0.008	ug/l	29.66	55.00	4.209E-04	Pulse	0.20	3
Ni	60	45	2	0.036	ug/l	31.37	151.67	1.160E-03	Pulse	0.20	3
Cu	63	45	2	0.048	ug/l	27.77	248.34	1.900E-03	Pulse	0.20	3
Cu	65	45	2	0.071	ug/l	46.33	141.67	1.083E-03	Pulse	0.20	3
Zn	66	45	2	0.506	ug/l	17.51	298.34	2.282E-03	Pulse	0.20	3
As	75	45	2	0.020	ug/l	244.47	18.67	1.431E-04	Pulse	0.50	3
Se	78	45	2	-0.106	ug/l	-74.65	3.33	2.546E-05	Pulse	1.00	3
Se	78	45	3	0.034	ug/l	45.92	3.67	1.572E-05	Pulse	1.00	3
Sr	88	45	1	0.022	ug/l	25.60	900.06	3.945E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.124	ug/l	9.37	603.37	1.745E-04	Pulse	0.10	3
Ag	107	115	1	0.019	ug/l	4.49	266.68	6.735E-05	Pulse	0.10	3
Cd	111	115	1	0.013	ug/l	32.69	41.33	1.046E-05	Pulse	0.25	3
Cd	111	115	2	0.015	ug/l	62.31	18.67	1.827E-05	Pulse	0.25	3
Sn	117	115	1	0.222	ug/l	7.55	580.03	1.464E-04	Pulse	0.10	3
Sn	118	115	1	0.168	ug/l	5.56	1,513.48	3.820E-04	Pulse	0.10	3
Sn	118	115	2	0.264	ug/l	14.19	680.04	6.658E-04	Pulse	0.10	3
Sn	119	115	1	0.192	ug/l	14.53	630.04	1.590E-04	Pulse	0.10	3
Sb	121	159	1	0.748	ug/l	6.34	5,817.99	8.459E-04	Pulse	0.10	3
Ba	137	159	1	0.028	ug/l	105.86	630.04	9.164E-05	Pulse	0.10	3
Tl	205	209	1	0.016	ug/l	21.06	973.41	2.254E-04	Pulse	0.10	3
Pb	208	209	1	0.012	ug/l	28.02	873.38	2.020E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,390,880.47	0.65	97.2	Analog	0.10	3
1	Sc	45	2,280,627.93	0.53	96.0	Analog	0.10	3
2	Sc	45	130,707.82	0.39	96.2	Pulse	0.10	3
3	Sc	45	233,464.34	0.58	98.3	Pulse	0.10	3
1	Ge	72	504,859.72	3.90	103.0	Pulse	0.10	3
2	Ge	72	79,269.84	1.46	98.2	Pulse	0.10	3
3	Ge	72	116,118.79	1.05	98.2	Pulse	0.10	3
1	Rh	103	3,457,572.13	0.97	96.7	Analog	0.10	3
2	Rh	103	2,165,836.12	0.32	98.0	Analog	0.10	3
1	In	115	3,960,591.46	1.21	97.3	Analog	0.10	3
2	In	115	1,021,011.53	0.63	98.0	Pulse	0.10	3
1	Tb	159	6,877,511.57	0.77	98.1	Analog	0.10	3
2	Tb	159	4,168,021.71	0.29	99.9	Analog	0.10	3
1	Ho	165	6,730,827.40	0.79	99.0	Analog	0.10	3
2	Ho	165	4,125,238.27	0.14	100.1	Analog	0.10	3
1	Bi	209	4,320,090.87	1.22	98.7	Analog	0.10	3
2	Bi	209	2,933,190.79	0.39	99.4	Analog	0.10	3

Quantitation Report

File Name	009CALS.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 16:50
Sample Name	STDH
Sample Type	CalStd
Comment	1000
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.014	ug/l	31.47	44.00	3.039E-05	Pulse	0.25	3
B	11	6	1	1.142	ug/l	2.63	4,129.50	2.850E-03	Pulse	0.15	3
Na	23	45	1	1113.701	ug/l	1.01	11,523,919.41	4.832E+00	Analog	0.10	3
Na	23	45	2	1086.247	ug/l	2.03	450,118.39	3.299E+00	Pulse	0.20	3
Mg	24	45	1	1138.418	ug/l	1.24	7,740,294.89	3.246E+00	Analog	0.10	3
Mg	24	45	2	1103.602	ug/l	1.23	229,070.22	1.679E+00	Pulse	0.20	3
Al	27	45	1	1125.399	ug/l	1.13	10,156,671.10	4.259E+00	Analog	0.10	3
Al	27	45	2	1114.395	ug/l	1.28	85,871.71	6.292E-01	Pulse	0.20	3
K	39	45	1	1128.706	ug/l	1.51	13,823,100.21	5.797E+00	Analog	0.10	3
K	39	45	2	1093.920	ug/l	1.99	223,150.71	1.635E+00	Pulse	0.20	3
Ca	43	45	1	1120.718	ug/l	0.88	26,147.85	1.096E-02	Pulse	1.50	3
Ca	43	45	2	962.446	ug/l	1.26	684.46	5.015E-03	Pulse	1.50	3
Ca	44	45	1	1131.478	ug/l	0.71	429,374.28	1.800E-01	Pulse	0.10	3
Ca	44	45	2	1100.704	ug/l	3.62	12,126.28	8.887E-02	Pulse	0.20	3
Ti	47	45	1	0.015	ug/l	68.26	83.34	3.495E-05	Pulse	0.10	3
Ti	47	45	2	0.043	ug/l	86.62	3.33	2.451E-05	Pulse	0.20	3
V	51	45	2	0.028	ug/l	91.54	353.34	2.586E-03	Pulse	0.20	3
Cr	52	45	2	0.047	ug/l	9.70	1,138.39	8.340E-03	Pulse	0.20	3
Mn	55	45	2	0.036	ug/l	35.81	65.00	4.755E-04	Pulse	0.20	3
Fe	56	45	2	1111.589	ug/l	1.69	2,556,970.43	1.874E+01	Analog	0.20	3
Co	59	45	2	0.010	ug/l	79.37	66.67	4.903E-04	Pulse	0.20	3
Ni	60	45	2	0.033	ug/l	113.15	155.00	1.135E-03	Pulse	0.20	3
Cu	63	45	2	0.019	ug/l	44.53	168.34	1.234E-03	Pulse	0.20	3
Cu	65	45	2	0.036	ug/l	54.49	95.00	6.962E-04	Pulse	0.20	3
Zn	66	45	2	0.355	ug/l	4.00	230.01	1.685E-03	Pulse	0.20	3
As	75	45	2	0.025	ug/l	89.96	21.33	1.560E-04	Pulse	0.50	3
Se	78	45	2	0.021	ug/l	647.78	7.67	5.619E-05	Pulse	1.00	3
Se	78	45	3	0.106	ug/l	31.77	11.00	4.626E-05	Pulse	1.00	3
Sr	88	45	1	0.030	ug/l	10.65	1,160.09	4.866E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.078	ug/l	24.92	416.69	1.156E-04	Pulse	0.10	3
Ag	107	115	1	0.176	ug/l	10.64	1,900.19	4.644E-04	Pulse	0.10	3
Cd	111	115	1	0.020	ug/l	19.93	58.67	1.433E-05	Pulse	0.25	3
Cd	111	115	2	0.015	ug/l	87.36	18.67	1.797E-05	Pulse	0.25	3
Sn	117	115	1	0.108	ug/l	32.64	326.68	7.991E-05	Pulse	0.10	3
Sn	118	115	1	0.075	ug/l	36.51	840.06	2.053E-04	Pulse	0.10	3
Sn	118	115	2	0.139	ug/l	26.66	390.02	3.757E-04	Pulse	0.10	3
Sn	119	115	1	0.095	ug/l	51.71	376.69	9.216E-05	Pulse	0.10	3
Sb	121	159	1	0.255	ug/l	9.83	2,116.88	3.012E-04	Pulse	0.10	3
Ba	137	159	1	0.077	ug/l	57.37	840.06	1.195E-04	Pulse	0.10	3
Tl	205	209	1	0.008	ug/l	53.80	783.39	1.785E-04	Pulse	0.10	3
Pb	208	209	1	0.019	ug/l	15.57	1,150.06	2.621E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,448,939.51	0.79	101.2	Analog	0.10	3
1	Sc	45	2,384,786.58	0.51	100.4	Analog	0.10	3
2	Sc	45	136,483.42	1.23	100.5	Pulse	0.10	3
3	Sc	45	237,482.83	0.85	100.0	Pulse	0.10	3
1	Ge	72	529,558.88	4.35	108.0	Pulse	0.10	3
2	Ge	72	81,768.67	1.85	101.3	Pulse	0.10	3
3	Ge	72	118,690.40	0.70	100.4	Pulse	0.10	3
1	Rh	103	3,600,725.57	1.00	100.7	Analog	0.10	3
2	Rh	103	2,207,191.89	0.50	99.9	Analog	0.10	3
1	In	115	4,090,614.43	0.47	100.5	Analog	0.10	3
2	In	115	1,037,778.72	0.58	99.6	Pulse	0.10	3
1	Tb	159	7,027,613.44	0.53	100.2	Analog	0.10	3
2	Tb	159	4,196,693.58	0.78	100.6	Analog	0.10	3
1	Ho	165	6,886,608.44	0.88	101.3	Analog	0.10	3
2	Ho	165	4,174,349.21	0.82	101.3	Analog	0.10	3
1	Bi	209	4,389,165.97	0.52	100.3	Analog	0.10	3
2	Bi	209	2,946,435.37	0.16	99.8	Analog	0.10	3

Quantitation Report

File Name	010CALS.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 16:55
Sample Name	STDI
Sample Type	CalStd
Comment	5000
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.053	ug/l	19.81	153.33	1.056E-04	Pulse	0.25	3
B	11	6	1	1.436	ug/l	4.42	4,909.73	3.380E-03	Pulse	0.15	3
Na	23	45	1	4973.040	ug/l	0.52	51,636,889.23	2.140E+01	Analog	0.10	3
Na	23	45	2	4995.242	ug/l	1.20	2,046,132.52	1.505E+01	Analog	0.20	3
Mg	24	45	1	5056.370	ug/l	1.22	34,773,937.81	1.441E+01	Analog	0.10	3
Mg	24	45	2	4942.176	ug/l	1.27	1,021,385.97	7.514E+00	Pulse	0.20	3
Al	27	45	1	5002.960	ug/l	0.81	45,663,280.99	1.893E+01	Analog	0.10	3
Al	27	45	2	5040.597	ug/l	1.26	386,743.66	2.845E+00	Pulse	0.20	3
K	39	45	1	5030.286	ug/l	1.03	60,314,184.10	2.500E+01	Analog	0.10	3
K	39	45	2	4937.214	ug/l	0.44	987,615.66	7.266E+00	Pulse	0.20	3
Ca	43	45	1	5011.583	ug/l	0.65	118,124.32	4.896E-02	Pulse	1.50	3
Ca	43	45	2	4592.127	ug/l	3.53	3,065.18	2.255E-02	Pulse	1.50	3
Ca	44	45	1	5021.978	ug/l	0.58	1,921,687.58	7.965E-01	Analog	0.10	3
Ca	44	45	2	4915.418	ug/l	0.91	53,880.50	3.964E-01	Pulse	0.20	3
Ti	47	45	1	0.209	ug/l	11.28	310.02	1.285E-04	Pulse	0.10	3
Ti	47	45	2	1.719	ug/l	138.47	135.11	9.911E-04	Pulse	0.20	3
V	51	45	2	0.279	ug/l	7.44	903.38	6.647E-03	Pulse	0.20	3
Cr	52	45	2	0.268	ug/l	2.98	1,768.46	1.301E-02	Pulse	0.20	3
Mn	55	45	2	0.099	ug/l	9.79	168.34	1.239E-03	Pulse	0.20	3
Fe	56	45	2	4998.773	ug/l	0.50	11,446,323.16	8.421E+01	Analog	0.20	3
Co	59	45	2	0.052	ug/l	24.35	246.67	1.815E-03	Pulse	0.20	3
Ni	60	45	2	0.038	ug/l	151.67	160.00	1.177E-03	Pulse	0.20	3
Cu	63	45	2	0.061	ug/l	26.25	298.34	2.194E-03	Pulse	0.20	3
Cu	65	45	2	0.046	ug/l	35.56	110.00	8.092E-04	Pulse	0.20	3
Zn	66	45	2	0.335	ug/l	12.88	218.34	1.606E-03	Pulse	0.20	3
As	75	45	2	0.193	ug/l	37.59	76.67	5.640E-04	Pulse	0.50	3
Se	78	45	2	0.266	ug/l	16.89	15.67	1.152E-04	Pulse	1.00	3
Se	78	45	3	0.286	ug/l	31.84	28.67	1.222E-04	Pulse	1.00	3
Sr	88	45	1	0.095	ug/l	8.75	2,923.71	1.212E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.350	ug/l	10.19	1,640.15	4.617E-04	Pulse	0.10	3
Ag	107	115	1	0.227	ug/l	9.46	2,406.94	5.931E-04	Pulse	0.10	3
Cd	111	115	1	0.055	ug/l	22.55	145.33	3.583E-05	Pulse	0.25	3
Cd	111	115	2	0.069	ug/l	41.57	74.67	7.293E-05	Pulse	0.25	3
Sn	117	115	1	0.231	ug/l	20.39	616.71	1.519E-04	Pulse	0.10	3
Sn	118	115	1	0.217	ug/l	15.30	1,926.88	4.745E-04	Pulse	0.10	3
Sn	118	115	2	0.240	ug/l	5.79	623.38	6.101E-04	Pulse	0.10	3
Sn	119	115	1	0.219	ug/l	23.85	723.37	1.781E-04	Pulse	0.10	3
Sb	121	159	1	0.312	ug/l	2.91	2,577.00	3.646E-04	Pulse	0.10	3
Ba	137	159	1	0.189	ug/l	6.92	1,290.11	1.826E-04	Pulse	0.10	3
Tl	205	209	1	0.016	ug/l	17.45	960.07	2.248E-04	Pulse	0.10	3
Pb	208	209	1	0.042	ug/l	11.16	1,876.79	4.392E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,452,475.65	0.28	101.5	Analog	0.10	3
1	Sc	45	2,412,733.97	0.47	101.6	Analog	0.10	3
2	Sc	45	135,922.37	0.44	100.1	Pulse	0.10	3
3	Sc	45	234,669.65	0.74	98.8	Pulse	0.10	3
1	Ge	72	523,752.06	4.31	106.8	Pulse	0.10	3
2	Ge	72	80,984.48	0.71	100.4	Pulse	0.10	3
3	Ge	72	115,850.16	0.14	98.0	Pulse	0.10	3
1	Rh	103	3,551,592.34	0.38	99.3	Analog	0.10	3
2	Rh	103	2,172,202.52	0.18	98.3	Analog	0.10	3
1	In	115	4,059,356.09	0.46	99.7	Analog	0.10	3
2	In	115	1,021,861.34	0.88	98.1	Pulse	0.10	3
1	Tb	159	7,067,279.06	0.22	100.8	Analog	0.10	3
2	Tb	159	4,202,082.96	0.40	100.7	Analog	0.10	3
1	Ho	165	6,897,588.02	0.59	101.5	Analog	0.10	3
2	Ho	165	4,151,062.75	0.38	100.7	Analog	0.10	3
1	Bi	209	4,271,822.12	1.09	97.6	Analog	0.10	3
2	Bi	209	2,881,543.81	0.33	97.6	Analog	0.10	3

Quantitation Report

File Name	011CALS.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 17:00
Sample Name	STDJ
Sample Type	CalStd
Comment	10000
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.006	ug/l	27.36	22.67	1.577E-05	Pulse	0.25	3
B	11	6	1	1.243	ug/l	4.85	4,360.68	3.032E-03	Pulse	0.15	3
Na	23	45	1	9915.510	ug/l	0.52	104,094,865.12	4.262E+01	Analog	0.10	3
Na	23	45	2	9993.959	ug/l	1.88	4,114,263.17	3.009E+01	Analog	0.20	3
Mg	24	45	1	9957.353	ug/l	1.16	69,315,770.64	2.838E+01	Analog	0.10	3
Mg	24	45	2	9967.275	ug/l	1.74	2,072,330.07	1.515E+01	Analog	0.20	3
Al	27	45	1	9886.348	ug/l	1.03	91,336,578.64	3.740E+01	Analog	0.10	3
Al	27	45	2	9967.760	ug/l	1.29	769,463.58	5.626E+00	Pulse	0.20	3
K	39	45	1	9971.619	ug/l	0.09	120,447,088.21	4.932E+01	Analog	0.10	3
K	39	45	2	9981.062	ug/l	1.57	2,004,188.56	1.466E+01	Analog	0.20	3
Ca	43	45	1	9980.952	ug/l	0.39	238,086.72	9.749E-02	Pulse	1.50	3
Ca	43	45	2	9392.960	ug/l	2.29	6,255.18	4.574E-02	Pulse	1.50	3
Ca	44	45	1	9974.873	ug/l	0.48	3,861,865.67	1.581E+00	Analog	0.10	3
Ca	44	45	2	10025.989	ug/l	2.87	110,546.64	8.084E-01	Pulse	0.20	3
Ti	47	45	1	-0.018	ug/l	-146.91	46.67	1.914E-05	Pulse	0.10	3
Ti	47	45	2	0.021	ug/l	173.21	1.67	1.216E-05	Pulse	0.20	3
V	51	45	2	0.040	ug/l	25.65	380.01	2.777E-03	Pulse	0.20	3
Cr	52	45	2	0.071	ug/l	21.57	1,211.74	8.858E-03	Pulse	0.20	3
Mn	55	45	2	0.136	ug/l	12.38	231.68	1.694E-03	Pulse	0.20	3
Fe	56	45	2	9988.079	ug/l	2.12	23,007,862.99	1.683E+02	Analog	0.20	3
Co	59	45	2	0.075	ug/l	5.18	348.34	2.546E-03	Pulse	0.20	3
Ni	60	45	2	0.124	ug/l	32.02	260.01	1.900E-03	Pulse	0.20	3
Cu	63	45	2	0.049	ug/l	25.71	261.68	1.915E-03	Pulse	0.20	3
Cu	65	45	2	0.062	ug/l	12.14	135.00	9.877E-04	Pulse	0.20	3
Zn	66	45	2	0.560	ug/l	22.20	341.68	2.494E-03	Pulse	0.20	3
As	75	45	2	0.011	ug/l	179.62	16.67	1.217E-04	Pulse	0.50	3
Se	78	45	2	0.081	ug/l	237.13	9.67	7.063E-05	Pulse	1.00	3
Se	78	45	3	0.020	ug/l	76.45	2.33	9.718E-06	Pulse	1.00	3
Sr	88	45	1	0.176	ug/l	3.67	5,174.38	2.119E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.035	ug/l	31.41	216.68	6.106E-05	Pulse	0.10	3
Ag	107	115	1	0.067	ug/l	10.62	766.72	1.883E-04	Pulse	0.10	3
Cd	111	115	1	0.102	ug/l	9.79	262.68	6.450E-05	Pulse	0.25	3
Cd	111	115	2	0.093	ug/l	20.99	100.00	9.712E-05	Pulse	0.25	3
Sn	117	115	1	0.038	ug/l	41.49	156.67	3.846E-05	Pulse	0.10	3
Sn	118	115	1	0.035	ug/l	46.43	523.36	1.286E-04	Pulse	0.10	3
Sn	118	115	2	0.040	ug/l	49.27	150.01	1.457E-04	Pulse	0.10	3
Sn	119	115	1	0.032	ug/l	54.74	200.01	4.910E-05	Pulse	0.10	3
Sb	121	159	1	0.091	ug/l	6.98	850.06	1.196E-04	Pulse	0.10	3
Ba	137	159	1	0.162	ug/l	7.35	1,190.10	1.674E-04	Pulse	0.10	3
Tl	205	209	1	0.004	ug/l	106.32	660.04	1.570E-04	Pulse	0.10	3
Pb	208	209	1	0.071	ug/l	2.07	2,823.56	6.720E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,438,561.55	0.83	100.5	Analog	0.10	3
1	Sc	45	2,442,264.55	0.48	102.8	Analog	0.10	3
2	Sc	45	136,775.66	1.58	100.7	Pulse	0.10	3
3	Sc	45	240,064.57	0.24	101.1	Pulse	0.10	3
1	Ge	72	522,757.67	6.31	106.6	Pulse	0.10	3
2	Ge	72	81,838.97	1.98	101.4	Pulse	0.10	3
3	Ge	72	118,189.59	2.14	100.0	Pulse	0.10	3
1	Rh	103	3,551,915.05	0.62	99.4	Analog	0.10	3
2	Rh	103	2,161,171.11	0.39	97.8	Analog	0.10	3
1	In	115	4,071,449.38	0.37	100.0	Analog	0.10	3
2	In	115	1,030,249.76	0.54	98.9	Pulse	0.10	3
1	Tb	159	7,109,724.69	0.76	101.4	Analog	0.10	3
2	Tb	159	4,221,497.64	0.41	101.2	Analog	0.10	3
1	Ho	165	6,952,337.40	0.16	102.3	Analog	0.10	3
2	Ho	165	4,175,230.25	0.54	101.3	Analog	0.10	3
1	Bi	209	4,202,081.92	0.70	96.1	Analog	0.10	3
2	Bi	209	2,834,910.48	0.08	96.0	Analog	0.10	3

Quantitation Report

File Name	012SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 17:05
Sample Name	sampleconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	56.562	ug/l	0.87	157,771.60	1.088E-01	Pulse	0.25	3
B	11	6	1	52.212	ug/l	0.46	137,525.61	9.481E-02	Pulse	0.15	3
Na	23	45	1	5492.934	ug/l	1.32	57,885,582.47	2.363E+01	Analog	0.10	3
Na	23	45	2	5594.963	ug/l	1.42	2,285,681.22	1.686E+01	Analog	0.20	3
Mg	24	45	1	5593.641	ug/l	1.59	39,049,603.58	1.594E+01	Analog	0.10	3
Mg	24	45	2	5505.510	ug/l	1.35	1,134,991.29	8.371E+00	Pulse	0.20	3
Al	27	45	1	5567.087	ug/l	1.47	51,580,660.90	2.106E+01	Analog	0.10	3
Al	27	45	2	5668.342	ug/l	1.52	433,842.18	3.200E+00	Pulse	0.20	3
K	39	45	1	5573.114	ug/l	0.99	67,772,005.66	2.767E+01	Analog	0.10	3
K	39	45	2	5532.352	ug/l	1.64	1,103,394.88	8.138E+00	Pulse	0.20	3
Ca	43	45	1	5573.175	ug/l	1.07	133,346.54	5.444E-02	Pulse	1.50	3
Ca	43	45	2	5497.145	ug/l	1.44	3,650.40	2.692E-02	Pulse	1.50	3
Ca	44	45	1	5601.532	ug/l	1.31	2,175,702.47	8.883E-01	Analog	0.10	3
Ca	44	45	2	5723.197	ug/l	0.91	62,585.84	4.615E-01	Pulse	0.20	3
Ti	47	45	1	50.244	ug/l	1.26	59,276.67	2.420E-02	Pulse	0.10	3
Ti	47	45	2	50.722	ug/l	3.61	3,965.57	2.925E-02	Pulse	0.20	3
V	51	45	2	57.887	ug/l	0.64	127,448.06	9.399E-01	Pulse	0.20	3
Cr	52	45	2	57.124	ug/l	1.28	164,440.84	1.213E+00	Pulse	0.20	3
Mn	55	45	2	57.936	ug/l	0.75	95,453.92	7.040E-01	Pulse	0.20	3
Fe	56	45	2	5613.901	ug/l	0.71	12,823,659.39	9.457E+01	Analog	0.20	3
Co	59	45	2	57.096	ug/l	1.85	246,372.17	1.817E+00	Pulse	0.20	3
Ni	60	45	2	56.163	ug/l	2.33	63,943.81	4.716E-01	Pulse	0.20	3
Cu	63	45	2	56.340	ug/l	0.21	172,824.18	1.275E+00	Pulse	0.20	3
Cu	65	45	2	56.225	ug/l	0.72	84,734.11	6.249E-01	Pulse	0.20	3
Zn	66	45	2	57.461	ug/l	1.95	30,782.49	2.270E-01	Pulse	0.20	3
As	75	45	2	58.466	ug/l	1.69	19,204.01	1.416E-01	Pulse	0.50	3
Se	78	45	2	56.372	ug/l	2.76	1,851.78	1.366E-02	Pulse	1.00	3
Se	78	45	3	57.152	ug/l	1.09	5,692.67	2.417E-02	Pulse	1.00	3
Sr	88	45	1	50.268	ug/l	2.32	1,371,564.36	5.600E-01	Mix	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	51.691	ug/l	1.08	234,633.08	6.593E-02	Pulse	0.10	3
Ag	107	115	1	56.503	ug/l	1.21	587,851.72	1.434E-01	Pulse	0.10	3
Cd	111	115	1	55.829	ug/l	1.30	139,007.13	3.391E-02	Pulse	0.25	3
Cd	111	115	2	57.752	ug/l	1.27	60,135.07	5.884E-02	Pulse	0.25	3
Sn	117	115	1	51.298	ug/l	1.66	123,400.70	3.011E-02	Pulse	0.10	3
Sn	118	115	1	51.521	ug/l	0.59	401,352.28	9.791E-02	Pulse	0.10	3
Sn	118	115	2	53.634	ug/l	0.74	126,831.80	1.241E-01	Pulse	0.10	3
Sn	119	115	1	51.404	ug/l	1.17	145,198.75	3.542E-02	Pulse	0.10	3
Sb	121	159	1	65.730	ug/l	0.99	515,135.20	7.269E-02	Pulse	0.10	3
Ba	137	159	1	57.970	ug/l	0.68	232,479.18	3.281E-02	Pulse	0.10	3
Tl	205	209	1	57.508	ug/l	0.72	1,358,341.85	3.182E-01	Pulse	0.10	3
Pb	208	209	1	56.928	ug/l	0.74	1,908,060.14	4.469E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,450,503.13	0.12	101.3	Analog	0.10	3
1	Sc	45	2,449,392.57	0.71	103.1	Analog	0.10	3
2	Sc	45	135,597.09	0.63	99.8	Pulse	0.10	3
3	Sc	45	235,500.97	1.35	99.2	Pulse	0.10	3
1	Ge	72	507,979.58	2.98	103.6	Pulse	0.10	3
2	Ge	72	80,837.64	2.20	100.2	Pulse	0.10	3
3	Ge	72	115,517.92	2.10	97.7	Pulse	0.10	3
1	Rh	103	3,558,682.97	0.46	99.5	Analog	0.10	3
2	Rh	103	2,166,709.71	0.77	98.0	Analog	0.10	3
1	In	115	4,099,170.28	0.70	100.7	Analog	0.10	3
2	In	115	1,022,055.98	1.21	98.1	Pulse	0.10	3
1	Tb	159	7,086,549.48	0.53	101.1	Analog	0.10	3
2	Tb	159	4,203,956.60	0.59	100.8	Analog	0.10	3
1	Ho	165	6,902,072.40	0.46	101.5	Analog	0.10	3
2	Ho	165	4,151,355.04	1.04	100.7	Analog	0.10	3
1	Bi	209	4,269,092.02	0.28	97.6	Analog	0.10	3
2	Bi	209	2,867,361.31	0.48	97.1	Analog	0.10	3

Quantitation Report

File Name	013SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 17:10
Sample Name	sampleconf
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.004	ug/l	52.32	17.33	1.183E-05	Pulse	0.25	3
B	11	6	1	0.951	ug/l	5.90	3,678.27	2.507E-03	Pulse	0.15	3
Na	23	45	1	-1.544	ug/l	-8.84	107,953.28	4.422E-02	Pulse	0.10	3
Na	23	45	2	0.422	ug/l	89.95	4,500.70	3.315E-02	Pulse	0.20	3
Mg	24	45	1	-0.070	ug/l	-10.06	2,103.56	8.618E-04	Pulse	0.10	3
Mg	24	45	2	-0.091	ug/l	-132.20	80.00	5.890E-04	Pulse	0.20	3
Al	27	45	1	-0.108	ug/l	-33.05	4,294.07	1.759E-03	Pulse	0.10	3
Al	27	45	2	0.000	ug/l	-56229.09	30.00	2.211E-04	Pulse	0.20	3
K	39	45	1	0.599	ug/l	80.05	596,624.29	2.444E-01	Pulse	0.10	3
K	39	45	2	0.998	ug/l	111.73	4,622.39	3.405E-02	Pulse	0.20	3
Ca	43	45	1	-0.289	ug/l	-108.26	43.56	1.785E-05	Pulse	1.50	3
Ca	43	45	2	-74.404	ug/l	-0.77	0.89	6.547E-06	Pulse	1.50	3
Ca	44	45	1	-0.706	ug/l	-50.58	1,596.82	6.543E-04	Pulse	0.10	3
Ca	44	45	2	0.914	ug/l	153.96	28.33	2.090E-04	Pulse	0.20	3
Ti	47	45	1	-0.029	ug/l	-16.94	33.33	1.366E-05	Pulse	0.10	3
Ti	47	45	2	0.021	ug/l	173.21	1.67	1.229E-05	Pulse	0.20	3
V	51	45	2	0.006	ug/l	118.29	303.34	2.234E-03	Pulse	0.20	3
Cr	52	45	2	0.022	ug/l	117.16	1,060.06	7.809E-03	Pulse	0.20	3
Mn	55	45	2	0.000	ug/l	-1234.62	5.00	3.690E-05	Pulse	0.20	3
Fe	56	45	2	0.484	ug/l	2.75	2,931.99	2.160E-02	Pulse	0.20	3
Co	59	45	2	0.005	ug/l	47.03	43.33	3.190E-04	Pulse	0.20	3
Ni	60	45	2	-0.022	ug/l	-108.85	91.67	6.750E-04	Pulse	0.20	3
Cu	63	45	2	-0.005	ug/l	-236.79	95.00	6.997E-04	Pulse	0.20	3
Cu	65	45	2	0.000	ug/l	-13499.70	40.00	2.944E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.006	ug/l	650.85	41.67	3.070E-04	Pulse	0.20	3
As	75	45	2	-0.003	ug/l	-525.73	12.00	8.838E-05	Pulse	0.50	3
Se	78	45	2	0.124	ug/l	50.37	11.00	8.106E-05	Pulse	1.00	3
Se	78	45	3	0.036	ug/l	26.66	4.00	1.649E-05	Pulse	1.00	3
Sr	88	45	1	-0.002	ug/l	-138.83	336.68	1.379E-04	Pulse	0.10	3
Mo	95	103	1	0.067	ug/l	1.34	373.35	1.013E-04	Pulse	0.10	3
Ag	107	115	1	0.003	ug/l	132.61	110.01	2.631E-05	Pulse	0.10	3
Cd	111	115	1	0.003	ug/l	157.43	17.33	4.148E-06	Pulse	0.25	3
Cd	111	115	2	-0.001	ug/l	-172.23	1.33	1.275E-06	Pulse	0.25	3
Sn	117	115	1	0.055	ug/l	25.63	203.34	4.865E-05	Pulse	0.10	3
Sn	118	115	1	0.061	ug/l	5.60	743.38	1.779E-04	Pulse	0.10	3
Sn	118	115	2	0.141	ug/l	29.74	400.02	3.798E-04	Pulse	0.10	3
Sn	119	115	1	0.058	ug/l	41.45	280.01	6.699E-05	Pulse	0.10	3
Sb	121	159	1	0.039	ug/l	25.20	446.69	6.263E-05	Pulse	0.10	3
Ba	137	159	1	0.019	ug/l	70.01	620.04	8.692E-05	Pulse	0.10	3
Tl	205	209	1	0.285	ug/l	5.64	7,555.52	1.709E-03	Pulse	0.10	3
Pb	208	209	1	0.002	ug/l	105.34	556.70	1.260E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,467,181.49	0.58	102.5	Analog	0.10	3
1	Sc	45	2,441,112.98	0.41	102.8	Analog	0.10	3
2	Sc	45	135,774.38	0.45	100.0	Pulse	0.10	3
3	Sc	45	242,286.90	0.66	102.0	Pulse	0.10	3
1	Ge	72	498,833.95	0.35	101.8	Pulse	0.10	3
2	Ge	72	82,127.37	1.10	101.8	Pulse	0.10	3
3	Ge	72	120,946.11	1.11	102.3	Pulse	0.10	3
1	Rh	103	3,684,220.88	0.69	103.1	Analog	0.10	3
2	Rh	103	2,248,903.82	0.35	101.7	Analog	0.10	3
1	In	115	4,178,546.20	0.31	102.6	Analog	0.10	3
2	In	115	1,054,711.34	0.96	101.2	Pulse	0.10	3
1	Tb	159	7,132,999.48	0.23	101.8	Analog	0.10	3
2	Tb	159	4,231,621.29	0.27	101.4	Analog	0.10	3
1	Ho	165	6,936,596.15	1.02	102.0	Analog	0.10	3
2	Ho	165	4,177,200.04	0.98	101.3	Analog	0.10	3
1	Bi	209	4,419,273.37	0.73	101.0	Analog	0.10	3
2	Bi	209	2,991,943.71	0.33	101.4	Analog	0.10	3

Quantitation Report

File Name	014SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 17:15
Sample Name	ICVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	55.938	ug/l	0.77	156,166.46	1.076E-01	Pulse	0.25	3
B	11	6	1	51.223	ug/l	1.75	135,057.28	9.303E-02	Pulse	0.15	3
Na	23	45	1	5431.155	ug/l	0.12	57,777,512.47	2.337E+01	Analog	0.10	3
Na	23	45	2	5559.868	ug/l	1.69	2,277,584.81	1.675E+01	Analog	0.20	3
Mg	24	45	1	5547.127	ug/l	0.54	39,092,246.92	1.581E+01	Analog	0.10	3
Mg	24	45	2	5460.396	ug/l	1.80	1,128,753.24	8.302E+00	Pulse	0.20	3
Al	27	45	1	5515.804	ug/l	0.49	51,589,680.89	2.087E+01	Analog	0.10	3
Al	27	45	2	5644.049	ug/l	2.14	433,145.85	3.186E+00	Pulse	0.20	3
K	39	45	1	5521.395	ug/l	0.57	67,783,138.99	2.742E+01	Analog	0.10	3
K	39	45	2	5468.966	ug/l	2.06	1,093,747.77	8.045E+00	Pulse	0.20	3
Ca	43	45	1	5527.938	ug/l	0.44	133,513.83	5.400E-02	Pulse	1.50	3
Ca	43	45	2	5608.016	ug/l	1.61	3,733.09	2.746E-02	Pulse	1.50	3
Ca	44	45	1	5545.896	ug/l	0.36	2,174,502.62	8.795E-01	Analog	0.10	3
Ca	44	45	2	5717.800	ug/l	0.83	62,697.62	4.611E-01	Pulse	0.20	3
Ti	47	45	1	50.280	ug/l	2.20	59,878.79	2.422E-02	Pulse	0.10	3
Ti	47	45	2	52.701	ug/l	5.18	4,132.27	3.039E-02	Pulse	0.20	3
V	51	45	2	57.530	ug/l	2.11	127,000.07	9.341E-01	Pulse	0.20	3
Cr	52	45	2	56.860	ug/l	2.76	164,116.69	1.207E+00	Pulse	0.20	3
Mn	55	45	2	58.042	ug/l	3.40	95,876.41	7.053E-01	Pulse	0.20	3
Fe	56	45	2	5585.931	ug/l	1.99	12,793,968.98	9.410E+01	Analog	0.20	3
Co	59	45	2	56.818	ug/l	2.44	245,825.85	1.808E+00	Pulse	0.20	3
Ni	60	45	2	56.701	ug/l	1.25	64,731.96	4.761E-01	Pulse	0.20	3
Cu	63	45	2	55.615	ug/l	2.39	171,042.67	1.258E+00	Pulse	0.20	3
Cu	65	45	2	56.082	ug/l	1.50	84,749.27	6.233E-01	Pulse	0.20	3
Zn	66	45	2	56.610	ug/l	1.64	30,411.90	2.237E-01	Pulse	0.20	3
As	75	45	2	57.221	ug/l	2.94	18,844.27	1.386E-01	Pulse	0.50	3
Se	78	45	2	55.810	ug/l	1.99	1,838.11	1.352E-02	Pulse	1.00	3
Se	78	45	3	56.124	ug/l	1.16	5,689.01	2.374E-02	Pulse	1.00	3
Sr	88	45	1	49.794	ug/l	0.25	1,371,533.47	5.547E-01	Mix	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	49.513	ug/l	0.65	227,872.49	6.316E-02	Pulse	0.10	3
Ag	107	115	1	55.985	ug/l	1.03	586,661.58	1.421E-01	Pulse	0.10	3
Cd	111	115	1	55.081	ug/l	1.04	138,124.04	3.346E-02	Pulse	0.25	3
Cd	111	115	2	57.210	ug/l	1.09	59,101.78	5.829E-02	Pulse	0.25	3
Sn	117	115	1	51.843	ug/l	0.53	125,614.88	3.043E-02	Pulse	0.10	3
Sn	118	115	1	51.074	ug/l	1.00	400,722.48	9.706E-02	Pulse	0.10	3
Sn	118	115	2	53.621	ug/l	1.14	125,803.34	1.241E-01	Pulse	0.10	3
Sn	119	115	1	51.294	ug/l	1.88	145,939.74	3.535E-02	Pulse	0.10	3
Sb	121	159	1	64.756	ug/l	1.12	509,926.40	7.162E-02	Pulse	0.10	3
Ba	137	159	1	57.460	ug/l	0.72	231,549.72	3.252E-02	Pulse	0.10	3
Tl	205	209	1	57.112	ug/l	1.03	1,351,123.94	3.160E-01	Pulse	0.10	3
Pb	208	209	1	56.254	ug/l	0.37	1,888,419.54	4.417E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,451,813.81	0.64	101.4	Analog	0.10	3
1	Sc	45	2,472,418.97	0.25	104.1	Analog	0.10	3
2	Sc	45	135,985.43	1.71	100.1	Pulse	0.10	3
3	Sc	45	239,636.71	0.68	100.9	Pulse	0.10	3
1	Ge	72	495,946.91	1.99	101.2	Pulse	0.10	3
2	Ge	72	82,053.09	1.41	101.7	Pulse	0.10	3
3	Ge	72	115,840.03	0.26	98.0	Pulse	0.10	3
1	Rh	103	3,608,050.26	0.67	100.9	Analog	0.10	3
2	Rh	103	2,175,814.81	0.92	98.4	Analog	0.10	3
1	In	115	4,128,527.01	0.30	101.4	Analog	0.10	3
2	In	115	1,013,986.32	0.62	97.3	Pulse	0.10	3
1	Tb	159	7,120,821.77	0.87	101.6	Analog	0.10	3
2	Tb	159	4,209,541.60	0.87	100.9	Analog	0.10	3
1	Ho	165	6,914,159.27	0.54	101.7	Analog	0.10	3
2	Ho	165	4,170,548.38	0.56	101.2	Analog	0.10	3
1	Bi	209	4,275,793.27	0.48	97.7	Analog	0.10	3
2	Bi	209	2,862,843.39	0.47	97.0	Analog	0.10	3

Quantitation Report

File Name	015SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 17:20
Sample Name	ICB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.001	ug/l	157.03	8.00	5.460E-06	Pulse	0.25	3
B	11	6	1	1.039	ug/l	2.79	3,905.00	2.666E-03	Pulse	0.15	3
Na	23	45	1	-1.733	ug/l	-4.61	106,926.49	4.341E-02	Pulse	0.10	3
Na	23	45	2	0.456	ug/l	91.15	4,607.37	3.325E-02	Pulse	0.20	3
Mg	24	45	1	-0.101	ug/l	-20.76	1,906.87	7.742E-04	Pulse	0.10	3
Mg	24	45	2	-0.289	ug/l	-8.68	40.00	2.889E-04	Pulse	0.20	3
Al	27	45	1	-0.146	ug/l	-21.49	3,983.99	1.617E-03	Pulse	0.10	3
Al	27	45	2	0.035	ug/l	469.77	33.33	2.409E-04	Pulse	0.20	3
K	39	45	1	0.495	ug/l	77.00	600,771.44	2.439E-01	Pulse	0.10	3
K	39	45	2	1.357	ug/l	64.06	4,790.78	3.457E-02	Pulse	0.20	3
Ca	43	45	1	-0.074	ug/l	-392.92	49.11	1.994E-05	Pulse	1.50	3
Ca	43	45	2	-74.768	ug/l	-1.32	0.67	4.789E-06	Pulse	1.50	3
Ca	44	45	1	-0.914	ug/l	-21.96	1,530.14	6.212E-04	Pulse	0.10	3
Ca	44	45	2	0.116	ug/l	779.97	20.00	1.447E-04	Pulse	0.20	3
Ti	47	45	1	-0.021	ug/l	-162.09	43.33	1.760E-05	Pulse	0.10	3
Ti	47	45	2	0.000	ug/l	---	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	0.006	ug/l	83.93	310.01	2.238E-03	Pulse	0.20	3
Cr	52	45	2	0.046	ug/l	72.57	1,153.40	8.323E-03	Pulse	0.20	3
Mn	55	45	2	0.004	ug/l	262.17	11.67	8.424E-05	Pulse	0.20	3
Fe	56	45	2	0.306	ug/l	31.82	2,575.25	1.859E-02	Pulse	0.20	3
Co	59	45	2	-0.001	ug/l	-208.78	18.33	1.323E-04	Pulse	0.20	3
Ni	60	45	2	0.005	ug/l	460.84	125.00	9.018E-04	Pulse	0.20	3
Cu	63	45	2	-0.012	ug/l	-7.28	73.33	5.292E-04	Pulse	0.20	3
Cu	65	45	2	-0.005	ug/l	-251.82	33.33	2.406E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.023	ug/l	-83.33	26.67	1.928E-04	Pulse	0.20	3
As	75	45	2	-0.006	ug/l	-63.56	11.33	8.184E-05	Pulse	0.50	3
Se	78	45	2	0.027	ug/l	392.57	8.00	5.763E-05	Pulse	1.00	3
Se	78	45	3	0.032	ug/l	77.70	3.33	1.515E-05	Pulse	1.00	3
Sr	88	45	1	0.002	ug/l	69.83	423.36	1.719E-04	Pulse	0.10	3
Mo	95	103	1	0.057	ug/l	36.69	330.02	8.872E-05	Pulse	0.10	3
Ag	107	115	1	0.003	ug/l	107.27	110.01	2.625E-05	Pulse	0.10	3
Cd	111	115	1	0.004	ug/l	39.53	20.00	4.770E-06	Pulse	0.25	3
Cd	111	115	2	-0.003	ug/l	0.00	0.00	0.000E+00	Pulse	0.25	3
Sn	117	115	1	0.072	ug/l	23.73	246.68	5.881E-05	Pulse	0.10	3
Sn	118	115	1	0.063	ug/l	15.83	763.38	1.819E-04	Pulse	0.10	3
Sn	118	115	2	0.114	ug/l	6.22	340.02	3.174E-04	Pulse	0.10	3
Sn	119	115	1	0.085	ug/l	24.55	360.02	8.575E-05	Pulse	0.10	3
Sb	121	159	1	0.037	ug/l	23.81	430.03	6.028E-05	Pulse	0.10	3
Ba	137	159	1	0.026	ug/l	64.80	646.71	9.065E-05	Pulse	0.10	3
Tl	205	209	1	0.295	ug/l	6.34	7,859.10	1.769E-03	Pulse	0.10	3
Pb	208	209	1	-0.001	ug/l	-122.35	463.35	1.043E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,464,953.06	0.55	102.4	Analog	0.10	3
1	Sc	45	2,463,181.21	0.13	103.7	Analog	0.10	3
2	Sc	45	138,560.01	0.74	102.0	Pulse	0.10	3
3	Sc	45	221,249.34	2.16	93.2	Pulse	0.10	3
1	Ge	72	502,170.42	0.87	102.4	Pulse	0.10	3
2	Ge	72	83,199.25	1.15	103.1	Pulse	0.10	3
3	Ge	72	111,050.78	3.15	93.9	Pulse	0.10	3
1	Rh	103	3,722,502.86	0.35	104.1	Analog	0.10	3
2	Rh	103	2,277,891.69	0.48	103.1	Analog	0.10	3
1	In	115	4,195,845.81	0.64	103.0	Analog	0.10	3
2	In	115	1,071,176.61	0.49	102.8	Pulse	0.10	3
1	Tb	159	7,134,247.60	0.13	101.8	Analog	0.10	3
2	Tb	159	4,274,229.73	0.38	102.5	Analog	0.10	3
1	Ho	165	6,943,503.86	0.41	102.1	Analog	0.10	3
2	Ho	165	4,211,164.31	0.57	102.2	Analog	0.10	3
1	Bi	209	4,442,789.00	0.81	101.6	Analog	0.10	3
2	Bi	209	3,000,939.85	0.59	101.7	Analog	0.10	3

Quantitation Report

File Name	016SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 17:25
Sample Name	CRI
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.514	ug/l	6.05	1,477.42	9.915E-04	Pulse	0.25	3
B	11	6	1	4.852	ug/l	1.46	14,201.77	9.531E-03	Pulse	0.15	3
Na	23	45	1	248.222	ug/l	0.51	2,748,323.29	1.117E+00	Analog	0.10	3
Na	23	45	2	243.109	ug/l	1.84	106,384.43	7.630E-01	Pulse	0.20	3
Mg	24	45	1	256.000	ug/l	0.94	1,798,530.86	7.307E-01	Analog	0.10	3
Mg	24	45	2	247.537	ug/l	0.38	52,578.43	3.771E-01	Pulse	0.20	3
Al	27	45	1	24.685	ug/l	2.12	235,157.69	9.554E-02	Pulse	0.10	3
Al	27	45	2	25.416	ug/l	7.20	2,030.17	1.457E-02	Pulse	0.20	3
K	39	45	1	253.785	ug/l	0.47	3,668,717.24	1.490E+00	Analog	0.10	3
K	39	45	2	243.445	ug/l	2.43	54,278.19	3.892E-01	Pulse	0.20	3
Ca	43	45	1	250.764	ug/l	0.90	6,078.22	2.469E-03	Pulse	1.50	3
Ca	43	45	2	183.058	ug/l	14.84	174.45	1.250E-03	Pulse	1.50	3
Ca	44	45	1	246.679	ug/l	0.52	98,092.80	3.985E-02	Pulse	0.10	3
Ca	44	45	2	250.823	ug/l	7.47	2,836.97	2.036E-02	Pulse	0.20	3
Ti	47	45	1	0.807	ug/l	12.71	1,023.40	4.159E-04	Pulse	0.10	3
Ti	47	45	2	1.158	ug/l	42.61	93.33	6.677E-04	Pulse	0.20	3
V	51	45	2	0.995	ug/l	7.89	2,546.92	1.826E-02	Pulse	0.20	3
Cr	52	45	2	0.991	ug/l	4.96	3,940.55	2.826E-02	Pulse	0.20	3
Mn	55	45	2	0.563	ug/l	5.16	960.05	6.883E-03	Pulse	0.20	3
Fe	56	45	2	26.777	ug/l	2.17	64,758.15	4.645E-01	Pulse	0.20	3
Co	59	45	2	0.509	ug/l	3.07	2,280.20	1.635E-02	Pulse	0.20	3
Ni	60	45	2	1.043	ug/l	6.50	1,340.08	9.606E-03	Pulse	0.20	3
Cu	63	45	2	1.052	ug/l	6.77	3,427.10	2.458E-02	Pulse	0.20	3
Cu	65	45	2	1.011	ug/l	7.47	1,608.44	1.153E-02	Pulse	0.20	3
Zn	66	45	2	2.236	ug/l	3.05	1,270.08	9.108E-03	Pulse	0.20	3
As	75	45	2	0.472	ug/l	10.18	172.67	1.238E-03	Pulse	0.50	3
Se	78	45	2	0.670	ug/l	19.38	29.67	2.129E-04	Pulse	1.00	3
Se	78	45	3	0.593	ug/l	9.61	61.00	2.524E-04	Pulse	1.00	3
Sr	88	45	1	4.572	ug/l	1.25	125,707.27	5.107E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.972	ug/l	1.92	4,690.88	1.256E-03	Pulse	0.10	3
Ag	107	115	1	0.516	ug/l	6.31	5,591.19	1.328E-03	Pulse	0.10	3
Cd	111	115	1	0.464	ug/l	7.19	1,196.06	2.841E-04	Pulse	0.25	3
Cd	111	115	2	0.512	ug/l	8.82	558.69	5.246E-04	Pulse	0.25	3
Sn	117	115	1	4.504	ug/l	4.53	11,191.09	2.659E-03	Pulse	0.10	3
Sn	118	115	1	4.323	ug/l	1.65	34,822.74	8.273E-03	Pulse	0.10	3
Sn	118	115	2	4.411	ug/l	0.35	10,924.24	1.026E-02	Pulse	0.10	3
Sn	119	115	1	4.341	ug/l	5.10	12,695.57	3.016E-03	Pulse	0.10	3
Sb	121	159	1	0.595	ug/l	2.02	4,857.60	6.768E-04	Pulse	0.10	3
Ba	137	159	1	1.003	ug/l	6.26	4,607.53	6.421E-04	Pulse	0.10	3
Tl	205	209	1	0.515	ug/l	3.34	13,263.11	2.984E-03	Pulse	0.10	3
Pb	208	209	1	0.504	ug/l	3.52	18,061.83	4.064E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,490,137.40	0.69	104.1	Analog	0.10	3
1	Sc	45	2,461,420.85	0.27	103.6	Analog	0.10	3
2	Sc	45	139,447.73	1.33	102.7	Pulse	0.10	3
3	Sc	45	241,704.98	0.57	101.8	Pulse	0.10	3
1	Ge	72	500,814.89	0.40	102.2	Pulse	0.10	3
2	Ge	72	83,805.83	2.60	103.9	Pulse	0.10	3
3	Ge	72	120,603.67	0.93	102.0	Pulse	0.10	3
1	Rh	103	3,735,749.53	0.39	104.5	Analog	0.10	3
2	Rh	103	2,272,427.00	0.28	102.8	Analog	0.10	3
1	In	115	4,209,124.71	0.29	103.4	Analog	0.10	3
2	In	115	1,065,236.50	0.95	102.2	Pulse	0.10	3
1	Tb	159	7,176,739.27	0.55	102.4	Analog	0.10	3
2	Tb	159	4,302,112.12	0.11	103.1	Analog	0.10	3
1	Ho	165	6,978,637.40	0.50	102.6	Analog	0.10	3
2	Ho	165	4,246,331.92	0.63	103.0	Analog	0.10	3
1	Bi	209	4,444,251.71	0.23	101.6	Analog	0.10	3
2	Bi	209	3,003,595.37	0.77	101.8	Analog	0.10	3

Quantitation Report

File Name	017SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 17:31
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	50.724	ug/l	1.71	144,950.86	9.754E-02	Pulse	0.25	3
B	11	6	1	48.758	ug/l	1.86	131,659.05	8.859E-02	Pulse	0.15	3
Na	23	45	1	4858.635	ug/l	1.58	52,444,425.88	2.091E+01	Analog	0.10	3
Na	23	45	2	4951.150	ug/l	1.39	2,055,869.40	1.492E+01	Analog	0.20	3
Mg	24	45	1	4934.953	ug/l	1.24	35,278,697.81	1.407E+01	Analog	0.10	3
Mg	24	45	2	4855.595	ug/l	1.20	1,017,235.43	7.383E+00	Pulse	0.20	3
Al	27	45	1	4885.464	ug/l	1.24	46,351,895.98	1.848E+01	Analog	0.10	3
Al	27	45	2	4971.523	ug/l	1.44	386,688.76	2.806E+00	Pulse	0.20	3
K	39	45	1	4946.342	ug/l	1.12	61,660,547.41	2.459E+01	Analog	0.10	3
K	39	45	2	4910.596	ug/l	1.39	995,744.41	7.227E+00	Pulse	0.20	3
Ca	43	45	1	4920.137	ug/l	0.62	120,555.24	4.807E-02	Pulse	1.50	3
Ca	43	45	2	4960.352	ug/l	1.77	3,351.90	2.433E-02	Pulse	1.50	3
Ca	44	45	1	4972.969	ug/l	1.79	1,978,045.91	7.887E-01	Analog	0.10	3
Ca	44	45	2	5123.603	ug/l	2.73	56,923.93	4.132E-01	Pulse	0.20	3
Ti	47	45	1	48.552	ug/l	1.11	58,654.46	2.339E-02	Pulse	0.10	3
Ti	47	45	2	54.263	ug/l	5.68	4,310.65	3.129E-02	Pulse	0.20	3
V	51	45	2	51.515	ug/l	2.32	115,270.46	8.367E-01	Pulse	0.20	3
Cr	52	45	2	50.410	ug/l	1.15	147,581.98	1.071E+00	Pulse	0.20	3
Mn	55	45	2	51.221	ug/l	0.37	85,761.76	6.224E-01	Pulse	0.20	3
Fe	56	45	2	5004.826	ug/l	1.56	11,616,818.58	8.432E+01	Analog	0.20	3
Co	59	45	2	50.101	ug/l	1.06	219,702.88	1.594E+00	Pulse	0.20	3
Ni	60	45	2	49.724	ug/l	1.33	57,538.78	4.176E-01	Pulse	0.20	3
Cu	63	45	2	49.510	ug/l	1.80	154,329.48	1.120E+00	Pulse	0.20	3
Cu	65	45	2	49.814	ug/l	2.13	76,283.42	5.537E-01	Pulse	0.20	3
Zn	66	45	2	50.380	ug/l	1.94	27,436.58	1.991E-01	Pulse	0.20	3
As	75	45	2	51.735	ug/l	0.91	17,270.51	1.253E-01	Pulse	0.50	3
Se	78	45	2	52.145	ug/l	2.05	1,741.43	1.264E-02	Pulse	1.00	3
Se	78	45	3	50.850	ug/l	2.51	5,124.16	2.151E-02	Pulse	1.00	3
Sr	88	45	1	48.565	ug/l	1.37	1,356,955.76	5.411E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	49.735	ug/l	1.16	233,736.87	6.344E-02	Pulse	0.10	3
Ag	107	115	1	49.141	ug/l	0.72	518,693.21	1.247E-01	Pulse	0.10	3
Cd	111	115	1	48.985	ug/l	0.54	123,728.76	2.975E-02	Pulse	0.25	3
Cd	111	115	2	50.407	ug/l	1.25	53,284.07	5.136E-02	Pulse	0.25	3
Sn	117	115	1	49.152	ug/l	0.92	119,958.82	2.885E-02	Pulse	0.10	3
Sn	118	115	1	49.006	ug/l	1.59	387,293.63	9.314E-02	Pulse	0.10	3
Sn	118	115	2	50.663	ug/l	2.11	121,630.89	1.172E-01	Pulse	0.10	3
Sn	119	115	1	49.634	ug/l	1.37	142,232.83	3.420E-02	Pulse	0.10	3
Sb	121	159	1	56.157	ug/l	0.06	445,753.87	6.211E-02	Pulse	0.10	3
Ba	137	159	1	50.361	ug/l	0.63	204,617.78	2.851E-02	Pulse	0.10	3
Tl	205	209	1	53.138	ug/l	0.80	1,263,944.23	2.940E-01	Pulse	0.10	3
Pb	208	209	1	50.093	ug/l	0.60	1,690,762.99	3.933E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,486,113.13	0.81	103.8	Analog	0.10	3
1	Sc	45	2,508,190.22	0.95	105.6	Analog	0.10	3
2	Sc	45	137,798.61	1.41	101.5	Pulse	0.10	3
3	Sc	45	238,258.54	0.93	100.3	Pulse	0.10	3
1	Ge	72	500,125.10	1.83	102.0	Pulse	0.10	3
2	Ge	72	82,904.89	2.03	102.7	Pulse	0.10	3
3	Ge	72	116,625.40	1.11	98.6	Pulse	0.10	3
1	Rh	103	3,684,494.11	0.64	103.1	Analog	0.10	3
2	Rh	103	2,220,894.50	0.48	100.5	Analog	0.10	3
1	In	115	4,158,525.33	0.70	102.1	Analog	0.10	3
2	In	115	1,037,553.71	0.20	99.6	Pulse	0.10	3
1	Tb	159	7,177,115.52	0.42	102.4	Analog	0.10	3
2	Tb	159	4,261,270.14	0.30	102.1	Analog	0.10	3
1	Ho	165	6,976,451.36	0.40	102.6	Analog	0.10	3
2	Ho	165	4,191,429.00	0.39	101.7	Analog	0.10	3
1	Bi	209	4,299,051.08	0.66	98.3	Analog	0.10	3
2	Bi	209	2,901,837.87	0.60	98.3	Analog	0.10	3

Quantitation Report

File Name	018SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 17:36
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.003	ug/l	25.57	14.67	9.865E-06	Pulse	0.25	3
B	11	6	1	1.153	ug/l	2.58	4,267.32	2.870E-03	Pulse	0.15	3
Na	23	45	1	-1.894	ug/l	-5.72	106,031.47	4.272E-02	Pulse	0.10	3
Na	23	45	2	-0.294	ug/l	-247.32	4,317.31	3.100E-02	Pulse	0.20	3
Mg	24	45	1	-0.164	ug/l	-2.11	1,473.46	5.937E-04	Pulse	0.10	3
Mg	24	45	2	-0.117	ug/l	-34.23	76.67	5.507E-04	Pulse	0.20	3
Al	27	45	1	-0.223	ug/l	-6.43	3,287.12	1.325E-03	Pulse	0.10	3
Al	27	45	2	0.052	ug/l	110.98	35.00	2.509E-04	Pulse	0.20	3
K	39	45	1	0.832	ug/l	49.96	609,482.66	2.456E-01	Pulse	0.10	3
K	39	45	2	0.733	ug/l	190.56	4,687.40	3.366E-02	Pulse	0.20	3
Ca	43	45	1	-0.328	ug/l	-66.56	43.34	1.747E-05	Pulse	1.50	3
Ca	43	45	2	-73.428	ug/l	-2.83	1.56	1.126E-05	Pulse	1.50	3
Ca	44	45	1	-1.316	ug/l	-18.53	1,383.45	5.575E-04	Pulse	0.10	3
Ca	44	45	2	0.095	ug/l	910.28	20.00	1.430E-04	Pulse	0.20	3
Ti	47	45	1	0.001	ug/l	846.92	70.00	2.822E-05	Pulse	0.10	3
Ti	47	45	2	0.000	ug/l	---	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	0.012	ug/l	309.13	323.34	2.323E-03	Pulse	0.20	3
Cr	52	45	2	0.013	ug/l	250.31	1,063.39	7.632E-03	Pulse	0.20	3
Mn	55	45	2	0.010	ug/l	15.98	21.67	1.553E-04	Pulse	0.20	3
Fe	56	45	2	0.198	ug/l	17.32	2,335.21	1.676E-02	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	462.40	25.00	1.797E-04	Pulse	0.20	3
Ni	60	45	2	-0.001	ug/l	-1097.87	118.33	8.501E-04	Pulse	0.20	3
Cu	63	45	2	-0.008	ug/l	-56.15	88.33	6.348E-04	Pulse	0.20	3
Cu	65	45	2	-0.006	ug/l	-174.90	31.67	2.279E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.014	ug/l	-101.25	31.67	2.277E-04	Pulse	0.20	3
As	75	45	2	-0.010	ug/l	-161.33	10.00	7.190E-05	Pulse	0.50	3
Se	78	45	2	0.056	ug/l	95.45	9.00	6.465E-05	Pulse	1.00	3
Se	78	45	3	0.017	ug/l	159.48	2.00	8.440E-06	Pulse	1.00	3
Sr	88	45	1	-0.003	ug/l	-102.69	300.02	1.207E-04	Pulse	0.10	3
Mo	95	103	1	0.047	ug/l	32.22	286.68	7.614E-05	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	203.95	86.67	2.045E-05	Pulse	0.10	3
Cd	111	115	1	0.000	ug/l	-1639.77	9.33	2.205E-06	Pulse	0.25	3
Cd	111	115	2	-0.003	ug/l	0.00	0.00	0.000E+00	Pulse	0.25	3
Sn	117	115	1	0.085	ug/l	25.00	280.02	6.609E-05	Pulse	0.10	3
Sn	118	115	1	0.078	ug/l	7.07	893.40	2.108E-04	Pulse	0.10	3
Sn	118	115	2	0.121	ug/l	7.26	360.02	3.337E-04	Pulse	0.10	3
Sn	119	115	1	0.089	ug/l	21.49	373.35	8.814E-05	Pulse	0.10	3
Sb	121	159	1	0.135	ug/l	10.94	1,210.10	1.684E-04	Pulse	0.10	3
Ba	137	159	1	0.019	ug/l	58.11	623.38	8.673E-05	Pulse	0.10	3
Tl	205	209	1	0.026	ug/l	18.24	1,243.44	2.799E-04	Pulse	0.10	3
Pb	208	209	1	0.000	ug/l	1591.70	496.69	1.120E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,487,065.84	0.38	103.9	Analog	0.10	3
1	Sc	45	2,482,000.64	0.72	104.5	Analog	0.10	3
2	Sc	45	139,336.78	1.37	102.6	Pulse	0.10	3
3	Sc	45	233,240.84	3.95	98.2	Pulse	0.10	3
1	Ge	72	503,111.21	0.21	102.6	Pulse	0.10	3
2	Ge	72	85,662.74	1.19	106.2	Pulse	0.10	3
3	Ge	72	116,055.07	2.12	98.2	Pulse	0.10	3
1	Rh	103	3,763,433.69	0.77	105.3	Analog	0.10	3
2	Rh	103	2,314,801.74	0.24	104.7	Analog	0.10	3
1	In	115	4,236,749.62	0.34	104.0	Analog	0.10	3
2	In	115	1,079,120.10	0.58	103.6	Pulse	0.10	3
1	Tb	159	7,186,544.48	0.20	102.5	Analog	0.10	3
2	Tb	159	4,304,157.75	0.27	103.2	Analog	0.10	3
1	Ho	165	6,989,403.02	0.11	102.8	Analog	0.10	3
2	Ho	165	4,242,028.06	0.72	102.9	Analog	0.10	3
1	Bi	209	4,440,800.77	1.20	101.5	Analog	0.10	3
2	Bi	209	3,005,484.54	0.51	101.8	Analog	0.10	3

Quantitation Report

File Name	019SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 17:41
Sample Name	ICSA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.002	ug/l	56.18	12.00	8.314E-06	Pulse	0.25	3
B	11	6	1	0.667	ug/l	4.13	2,864.78	1.995E-03	Pulse	0.15	3
Na	23	45	1	95038.621	ug/l	1.18	1,049,690,251.02	4.081E+02	Analog	0.10	3
Na	23	45	2	97212.119	ug/l	0.35	46,615,522.64	2.924E+02	Analog	0.20	3
Mg	24	45	1	97113.496	ug/l	1.97	712,194,816.06	2.768E+02	Analog	0.10	3
Mg	24	45	2	98538.663	ug/l	0.47	23,885,031.31	1.498E+02	Analog	0.20	3
Al	27	45	1	94218.376	ug/l	1.21	916,777,373.01	3.564E+02	Analog	0.10	3
Al	27	45	2	100237.816	ug/l	0.84	9,020,528.41	5.658E+01	Analog	0.20	3
K	39	45	1	95578.825	ug/l	1.30	1,210,803,608.62	4.706E+02	Analog	0.10	3
K	39	45	2	98210.977	ug/l	0.77	22,945,296.33	1.439E+02	Analog	0.20	3
Ca	43	45	1	97986.072	ug/l	0.93	2,461,457.33	9.569E-01	Analog	1.50	3
Ca	43	45	2	92975.783	ug/l	0.51	71,669.03	4.495E-01	Pulse	1.50	3
Ca	44	45	1	97648.021	ug/l	1.01	39,803,090.24	1.547E+01	Analog	0.10	3
Ca	44	45	2	97627.701	ug/l	0.48	1,254,900.37	7.871E+00	Pulse	0.20	3
Ti	47	45	1	1866.499	ug/l	1.31	2,310,293.25	8.980E-01	Analog	0.10	3
Ti	47	45	2	1852.580	ug/l	1.52	170,305.70	1.068E+00	Pulse	0.20	3
V	51	45	2	0.156	ug/l	10.51	741.70	4.654E-03	Pulse	0.20	3
Cr	52	45	2	1.042	ug/l	1.87	4,679.07	2.935E-02	Pulse	0.20	3
Mn	55	45	2	0.208	ug/l	19.65	408.35	2.565E-03	Pulse	0.20	3
Fe	56	45	2	96525.793	ug/l	0.82	259,224,882.80	1.626E+03	Analog	0.20	3
Co	59	45	2	0.038	ug/l	27.80	216.67	1.359E-03	Pulse	0.20	3
Ni	60	45	2	0.665	ug/l	3.43	1,025.06	6.431E-03	Pulse	0.20	3
Cu	63	45	2	0.195	ug/l	3.15	831.71	5.217E-03	Pulse	0.20	3
Cu	65	45	2	0.260	ug/l	31.89	506.69	3.185E-03	Pulse	0.20	3
Zn	66	45	2	1.907	ug/l	2.57	1,245.07	7.809E-03	Pulse	0.20	3
As	75	45	2	0.286	ug/l	22.70	126.00	7.890E-04	Pulse	0.50	3
Se	78	45	2	0.057	ug/l	23.03	10.33	6.480E-05	Pulse	1.00	3
Se	78	45	3	0.038	ug/l	36.74	4.67	1.732E-05	Pulse	1.00	3
Sr	88	45	1	0.294	ug/l	1.78	8,812.76	3.426E-03	Pulse	0.10	3
Mo	95	103	1	1955.434	ug/l	1.94	8,394,210.08	2.494E+00	Analog	0.10	3
Ag	107	115	1	0.062	ug/l	17.75	696.71	1.742E-04	Pulse	0.10	3
Cd	111	115	1	1.744	ug/l	2.67	4,244.64	1.062E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.766	ug/l	9.34	849.37	7.833E-04	Pulse	0.25	3
Sn	117	115	1	0.119	ug/l	22.07	346.68	8.638E-05	Pulse	0.10	3
Sn	118	115	1	0.126	ug/l	13.23	1,203.42	3.008E-04	Pulse	0.10	3
Sn	118	115	2	0.141	ug/l	20.62	413.36	3.812E-04	Pulse	0.10	3
Sn	119	115	1	0.124	ug/l	23.72	450.02	1.121E-04	Pulse	0.10	3
Sb	121	159	1	0.356	ug/l	4.18	2,823.71	4.125E-04	Pulse	0.10	3
Ba	137	159	1	0.218	ug/l	12.93	1,363.45	1.992E-04	Pulse	0.10	3
Tl	205	209	1	0.035	ug/l	17.14	1,273.44	3.283E-04	Pulse	0.10	3
Pb	208	209	1	0.130	ug/l	6.07	4,387.13	1.132E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,435,471.82	2.80	100.3	Analog	0.10	3
1	Sc	45	2,571,874.96	3.52	108.3	Analog	0.10	3
2	Sc	45	159,441.54	1.20	117.4	Pulse	0.10	3
3	Sc	45	270,233.58	1.29	113.8	Pulse	0.10	3
1	Ge	72	495,734.72	3.60	101.1	Pulse	0.10	3
2	Ge	72	89,917.83	1.86	111.4	Pulse	0.10	3
3	Ge	72	123,586.07	1.15	104.5	Pulse	0.10	3
1	Rh	103	3,365,126.20	2.46	94.1	Analog	0.10	3
2	Rh	103	2,176,764.60	1.27	98.5	Analog	0.10	3
1	In	115	3,997,981.64	3.38	98.2	Analog	0.10	3
2	In	115	1,083,773.42	1.37	104.0	Pulse	0.10	3
1	Tb	159	6,842,144.48	2.00	97.6	Analog	0.10	3
2	Tb	159	4,208,604.31	1.28	100.9	Analog	0.10	3
1	Ho	165	6,653,204.69	1.83	97.9	Analog	0.10	3
2	Ho	165	4,140,259.31	1.29	100.4	Analog	0.10	3
1	Bi	209	3,879,404.21	2.22	88.7	Analog	0.10	3
2	Bi	209	2,631,819.07	0.50	89.2	Analog	0.10	3

Quantitation Report

File Name	020SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 17:46
Sample Name	ICSAB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.000	ug/l	-496.30	5.33	3.413E-06	Pulse	0.25	3
B	11	6	1	0.631	ug/l	10.11	3,035.90	1.929E-03	Pulse	0.15	3
Na	23	45	1	91424.802	ug/l	0.10	1,132,298,116.46	3.926E+02	Analog	0.10	3
Na	23	45	2	96675.486	ug/l	2.03	48,265,827.61	2.908E+02	Analog	0.20	3
Mg	24	45	1	92767.958	ug/l	0.97	762,709,028.63	2.644E+02	Analog	0.10	3
Mg	24	45	2	96759.706	ug/l	1.91	24,419,687.97	1.471E+02	Analog	0.20	3
Al	27	45	1	91057.340	ug/l	0.80	993,345,931.86	3.444E+02	Analog	0.10	3
Al	27	45	2	95484.394	ug/l	1.26	8,947,509.45	5.390E+01	Analog	0.20	3
K	39	45	1	92780.387	ug/l	0.83	1,317,890,380.36	4.569E+02	Analog	0.10	3
K	39	45	2	95247.755	ug/l	1.89	23,170,027.16	1.396E+02	Analog	0.20	3
Ca	43	45	1	94912.754	ug/l	0.44	2,673,415.11	9.269E-01	Analog	1.50	3
Ca	43	45	2	90001.071	ug/l	1.34	72,238.84	4.351E-01	Pulse	1.50	3
Ca	44	45	1	95045.247	ug/l	0.81	43,442,786.02	1.506E+01	Analog	0.10	3
Ca	44	45	2	94330.126	ug/l	2.10	1,262,450.53	7.605E+00	Pulse	0.20	3
Ti	47	45	1	1803.667	ug/l	1.22	2,503,382.98	8.678E-01	Analog	0.10	3
Ti	47	45	2	1774.450	ug/l	0.80	169,872.12	1.023E+00	Pulse	0.20	3
V	51	45	2	0.165	ug/l	12.49	796.70	4.799E-03	Pulse	0.20	3
Cr	52	45	2	19.859	ug/l	1.89	70,785.91	4.264E-01	Pulse	0.20	3
Mn	55	45	2	18.882	ug/l	2.60	38,089.31	2.295E-01	Pulse	0.20	3
Fe	56	45	2	94151.593	ug/l	1.39	263,279,029.41	1.586E+03	Analog	0.20	3
Co	59	45	2	17.343	ug/l	0.83	91,651.89	5.520E-01	Pulse	0.20	3
Ni	60	45	2	17.053	ug/l	3.69	23,869.27	1.438E-01	Pulse	0.20	3
Cu	63	45	2	16.176	ug/l	2.26	60,840.81	3.665E-01	Pulse	0.20	3
Cu	65	45	2	16.144	ug/l	1.85	29,820.68	1.796E-01	Pulse	0.20	3
Zn	66	45	2	18.537	ug/l	1.31	12,191.43	7.343E-02	Pulse	0.20	3
As	75	45	2	18.680	ug/l	3.42	7,523.14	4.532E-02	Pulse	0.50	3
Se	78	45	2	0.063	ug/l	79.82	11.00	6.625E-05	Pulse	1.00	3
Se	78	45	3	0.040	ug/l	63.57	5.33	1.813E-05	Pulse	1.00	3
Sr	88	45	1	0.290	ug/l	2.25	9,779.96	3.390E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1906.019	ug/l	1.17	9,199,701.32	2.431E+00	Analog	0.10	3
Ag	107	115	1	17.421	ug/l	0.18	202,172.62	4.423E-02	Pulse	0.10	3
Cd	111	115	1	19.328	ug/l	0.29	53,672.09	1.174E-02	Pulse	0.25	3
Cd	111	115	2	18.665	ug/l	2.06	21,816.58	1.902E-02	Pulse	0.25	3
Sn	117	115	1	0.137	ug/l	4.10	443.36	9.701E-05	Pulse	0.10	3
Sn	118	115	1	0.109	ug/l	11.63	1,233.44	2.700E-04	Pulse	0.10	3
Sn	118	115	2	0.159	ug/l	11.65	483.36	4.214E-04	Pulse	0.10	3
Sn	119	115	1	0.124	ug/l	31.20	513.36	1.126E-04	Pulse	0.10	3
Sb	121	159	1	0.331	ug/l	7.41	3,027.08	3.857E-04	Pulse	0.10	3
Ba	137	159	1	0.213	ug/l	20.25	1,540.13	1.960E-04	Pulse	0.10	3
Tl	205	209	1	0.025	ug/l	16.44	1,203.44	2.751E-04	Pulse	0.10	3
Pb	208	209	1	0.139	ug/l	3.87	5,267.27	1.205E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,573,645.25	2.70	109.9	Analog	0.10	3
1	Sc	45	2,884,279.65	2.13	121.4	Analog	0.10	3
2	Sc	45	166,038.62	1.78	122.3	Pulse	0.10	3
3	Sc	45	292,364.05	1.71	123.1	Pulse	0.10	3
1	Ge	72	561,313.91	2.90	114.5	Pulse	0.10	3
2	Ge	72	95,009.61	1.02	117.7	Pulse	0.10	3
3	Ge	72	135,895.68	1.52	114.9	Pulse	0.10	3
1	Rh	103	3,784,360.47	1.70	105.9	Analog	0.10	3
2	Rh	103	2,331,452.52	0.40	105.5	Analog	0.10	3
1	In	115	4,570,926.10	2.25	112.2	Analog	0.10	3
2	In	115	1,147,121.76	0.61	110.1	Pulse	0.10	3
1	Tb	159	7,849,407.17	1.63	112.0	Analog	0.10	3
2	Tb	159	4,518,413.37	0.79	108.3	Analog	0.10	3
1	Ho	165	7,629,683.01	1.21	112.2	Analog	0.10	3
2	Ho	165	4,455,794.93	0.48	108.1	Analog	0.10	3
1	Bi	209	4,370,743.27	1.71	99.9	Analog	0.10	3
2	Bi	209	2,838,906.21	0.13	96.2	Analog	0.10	3

Quantitation Report

File Name	021SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 17:52
Sample Name	RINSECONF
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.002	ug/l	169.31	10.67	6.927E-06	Pulse	0.25	3
B	11	6	1	0.354	ug/l	8.88	2,209.10	1.432E-03	Pulse	0.15	3
Na	23	45	1	2.910	ug/l	9.18	166,470.29	6.335E-02	Pulse	0.10	3
Na	23	45	2	5.285	ug/l	10.78	6,851.52	4.778E-02	Pulse	0.20	3
Mg	24	45	1	1.843	ug/l	3.52	16,592.09	6.314E-03	Pulse	0.10	3
Mg	24	45	2	1.678	ug/l	11.26	470.02	3.278E-03	Pulse	0.20	3
Al	27	45	1	1.502	ug/l	3.02	20,626.75	7.849E-03	Pulse	0.10	3
Al	27	45	2	1.521	ug/l	36.73	155.00	1.080E-03	Pulse	0.20	3
K	39	45	1	3.718	ug/l	9.16	682,622.36	2.598E-01	Pulse	0.10	3
K	39	45	2	4.074	ug/l	11.04	5,529.35	3.855E-02	Pulse	0.20	3
Ca	43	45	1	1.868	ug/l	17.84	102.22	3.891E-05	Pulse	1.50	3
Ca	43	45	2	-72.547	ug/l	-3.33	2.22	1.552E-05	Pulse	1.50	3
Ca	44	45	1	0.914	ug/l	21.07	2,393.59	9.109E-04	Pulse	0.10	3
Ca	44	45	2	2.936	ug/l	37.72	53.33	3.721E-04	Pulse	0.20	3
Ti	47	45	1	0.093	ug/l	26.14	190.01	7.233E-05	Pulse	0.10	3
Ti	47	45	2	0.302	ug/l	20.23	25.00	1.744E-04	Pulse	0.20	3
V	51	45	2	0.025	ug/l	56.79	363.34	2.532E-03	Pulse	0.20	3
Cr	52	45	2	-0.011	ug/l	-334.03	1,021.72	7.126E-03	Pulse	0.20	3
Mn	55	45	2	0.009	ug/l	73.34	21.67	1.514E-04	Pulse	0.20	3
Fe	56	45	2	3.296	ug/l	7.75	9,889.80	6.896E-02	Pulse	0.20	3
Co	59	45	2	-0.004	ug/l	-14.90	3.33	2.332E-05	Pulse	0.20	3
Ni	60	45	2	-0.013	ug/l	-105.38	108.33	7.557E-04	Pulse	0.20	3
Cu	63	45	2	0.001	ug/l	426.98	118.33	8.248E-04	Pulse	0.20	3
Cu	65	45	2	0.011	ug/l	85.43	60.00	4.185E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.025	ug/l	-41.18	26.67	1.859E-04	Pulse	0.20	3
As	75	45	2	-0.011	ug/l	-90.40	10.00	6.963E-05	Pulse	0.50	3
Se	78	45	2	0.019	ug/l	396.90	8.00	5.571E-05	Pulse	1.00	3
Se	78	45	3	0.011	ug/l	45.04	1.67	6.224E-06	Pulse	1.00	3
Sr	88	45	1	0.000	ug/l	-688.41	400.02	1.523E-04	Pulse	0.10	3
Mo	95	103	1	0.842	ug/l	2.98	4,430.77	1.090E-03	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	293.31	103.34	2.178E-05	Pulse	0.10	3
Cd	111	115	1	0.001	ug/l	189.76	13.33	2.809E-06	Pulse	0.25	3
Cd	111	115	2	0.002	ug/l	92.99	5.33	4.709E-06	Pulse	0.25	3
Sn	117	115	1	0.004	ug/l	358.96	90.00	1.894E-05	Pulse	0.10	3
Sn	118	115	1	0.003	ug/l	77.87	320.01	6.737E-05	Pulse	0.10	3
Sn	118	115	2	0.016	ug/l	50.59	103.33	9.149E-05	Pulse	0.10	3
Sn	119	115	1	0.041	ug/l	62.25	263.35	5.546E-05	Pulse	0.10	3
Sb	121	159	1	0.021	ug/l	59.49	346.68	4.205E-05	Pulse	0.10	3
Ba	137	159	1	0.017	ug/l	114.26	703.38	8.536E-05	Pulse	0.10	3
Tl	205	209	1	0.007	ug/l	48.55	890.07	1.759E-04	Pulse	0.10	3
Pb	208	209	1	0.001	ug/l	110.40	606.70	1.199E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,542,202.81	0.59	107.7	Analog	0.10	3
1	Sc	45	2,627,871.21	0.40	110.6	Analog	0.10	3
2	Sc	45	143,431.42	0.72	105.6	Pulse	0.10	3
3	Sc	45	267,958.19	0.48	112.9	Pulse	0.10	3
1	Ge	72	540,912.50	0.86	110.3	Pulse	0.10	3
2	Ge	72	88,326.05	1.12	109.5	Pulse	0.10	3
3	Ge	72	135,114.11	0.64	114.3	Pulse	0.10	3
1	Rh	103	4,064,005.56	0.56	113.7	Analog	0.10	3
2	Rh	103	2,432,832.10	0.55	110.1	Analog	0.10	3
1	In	115	4,749,462.85	0.30	116.6	Analog	0.10	3
2	In	115	1,130,341.09	1.04	108.5	Pulse	0.10	3
1	Tb	159	8,241,632.59	0.17	117.6	Analog	0.10	3
2	Tb	159	4,643,968.89	1.00	111.3	Analog	0.10	3
1	Ho	165	7,980,393.63	0.53	117.4	Analog	0.10	3
2	Ho	165	4,601,687.74	0.47	111.6	Analog	0.10	3
1	Bi	209	5,061,543.36	0.62	115.7	Analog	0.10	3
2	Bi	209	3,275,551.31	0.08	111.0	Analog	0.10	3

Quantitation Report

File Name	022SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 17:57
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	48.313	ug/l	0.81	138,647.96	9.291E-02	Pulse	0.25	3
B	11	6	1	50.379	ug/l	1.94	136,567.04	9.151E-02	Pulse	0.15	3
Na	23	45	1	4738.005	ug/l	1.09	51,368,315.90	2.039E+01	Analog	0.10	3
Na	23	45	2	5059.791	ug/l	1.52	2,087,925.23	1.525E+01	Analog	0.20	3
Mg	24	45	1	4833.745	ug/l	1.17	34,706,103.65	1.378E+01	Analog	0.10	3
Mg	24	45	2	4882.190	ug/l	1.20	1,016,506.96	7.423E+00	Pulse	0.20	3
Al	27	45	1	4817.264	ug/l	1.24	45,904,209.31	1.822E+01	Analog	0.10	3
Al	27	45	2	4848.933	ug/l	1.13	374,822.95	2.737E+00	Pulse	0.20	3
K	39	45	1	4942.358	ug/l	0.97	61,880,300.75	2.457E+01	Analog	0.10	3
K	39	45	2	4917.491	ug/l	0.68	991,042.25	7.237E+00	Pulse	0.20	3
Ca	43	45	1	4949.840	ug/l	1.09	121,809.17	4.836E-02	Pulse	1.50	3
Ca	43	45	2	4910.362	ug/l	1.94	3,299.00	2.409E-02	Pulse	1.50	3
Ca	44	45	1	4966.153	ug/l	0.81	1,984,098.36	7.876E-01	Analog	0.10	3
Ca	44	45	2	5116.298	ug/l	0.32	56,507.50	4.126E-01	Pulse	0.20	3
Ti	47	45	1	48.274	ug/l	0.82	58,574.11	2.325E-02	Pulse	0.10	3
Ti	47	45	2	51.147	ug/l	0.85	4,038.91	2.949E-02	Pulse	0.20	3
V	51	45	2	53.370	ug/l	2.49	118,672.65	8.667E-01	Pulse	0.20	3
Cr	52	45	2	51.599	ug/l	1.36	150,102.74	1.096E+00	Pulse	0.20	3
Mn	55	45	2	51.087	ug/l	1.95	85,002.33	6.208E-01	Pulse	0.20	3
Fe	56	45	2	5066.250	ug/l	1.37	11,687,148.16	8.535E+01	Analog	0.20	3
Co	59	45	2	51.900	ug/l	1.59	226,174.03	1.652E+00	Pulse	0.20	3
Ni	60	45	2	51.255	ug/l	1.26	58,941.98	4.304E-01	Pulse	0.20	3
Cu	63	45	2	50.787	ug/l	1.04	157,341.58	1.149E+00	Pulse	0.20	3
Cu	65	45	2	51.099	ug/l	2.25	77,768.65	5.680E-01	Pulse	0.20	3
Zn	66	45	2	52.447	ug/l	2.22	28,376.55	2.072E-01	Pulse	0.20	3
As	75	45	2	52.894	ug/l	2.01	17,548.83	1.281E-01	Pulse	0.50	3
Se	78	45	2	49.962	ug/l	4.97	1,658.09	1.211E-02	Pulse	1.00	3
Se	78	45	3	51.505	ug/l	1.89	5,679.34	2.179E-02	Pulse	1.00	3
Sr	88	45	1	51.343	ug/l	1.03	1,440,828.83	5.720E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	49.510	ug/l	1.07	243,577.76	6.315E-02	Pulse	0.10	3
Ag	107	115	1	47.782	ug/l	1.61	550,644.71	1.213E-01	Pulse	0.10	3
Cd	111	115	1	48.770	ug/l	0.53	134,510.86	2.962E-02	Pulse	0.25	3
Cd	111	115	2	51.498	ug/l	1.31	56,471.11	5.247E-02	Pulse	0.25	3
Sn	117	115	1	49.925	ug/l	0.19	133,047.95	2.930E-02	Pulse	0.10	3
Sn	118	115	1	49.801	ug/l	1.44	429,734.46	9.465E-02	Pulse	0.10	3
Sn	118	115	2	52.086	ug/l	0.66	129,724.32	1.205E-01	Pulse	0.10	3
Sn	119	115	1	49.564	ug/l	0.94	155,085.34	3.416E-02	Pulse	0.10	3
Sb	121	159	1	56.351	ug/l	1.96	503,477.01	6.232E-02	Pulse	0.10	3
Ba	137	159	1	49.581	ug/l	0.83	226,771.61	2.807E-02	Pulse	0.10	3
Tl	205	209	1	53.360	ug/l	0.61	1,438,761.02	2.952E-01	Analog	0.10	3
Pb	208	209	1	50.113	ug/l	0.45	1,917,419.18	3.935E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,492,292.79	0.31	104.3	Analog	0.10	3
1	Sc	45	2,519,018.19	0.54	106.0	Analog	0.10	3
2	Sc	45	136,947.86	1.24	100.8	Pulse	0.10	3
3	Sc	45	260,657.77	0.75	109.8	Pulse	0.10	3
1	Ge	72	517,367.81	0.08	105.5	Pulse	0.10	3
2	Ge	72	85,133.42	0.92	105.5	Pulse	0.10	3
3	Ge	72	132,539.17	2.32	112.1	Pulse	0.10	3
1	Rh	103	3,856,805.15	0.42	107.9	Analog	0.10	3
2	Rh	103	2,323,277.31	0.49	105.1	Analog	0.10	3
1	In	115	4,540,736.26	1.32	111.5	Analog	0.10	3
2	In	115	1,076,365.41	0.66	103.3	Pulse	0.10	3
1	Tb	159	8,078,761.34	0.21	115.2	Analog	0.10	3
2	Tb	159	4,547,511.70	0.42	109.0	Analog	0.10	3
1	Ho	165	7,933,535.09	0.58	116.7	Analog	0.10	3
2	Ho	165	4,536,887.23	0.24	110.1	Analog	0.10	3
1	Bi	209	4,873,292.84	0.34	111.4	Analog	0.10	3
2	Bi	209	3,147,809.75	0.37	106.6	Analog	0.10	3

Quantitation Report

File Name	023SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 18:02
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.002	ug/l	56.06	12.00	8.172E-06	Pulse	0.25	3
B	11	6	1	0.937	ug/l	6.67	3,624.93	2.481E-03	Pulse	0.15	3
Na	23	45	1	-0.716	ug/l	-68.40	116,012.48	4.778E-02	Pulse	0.10	3
Na	23	45	2	1.262	ug/l	10.82	5,107.55	3.568E-02	Pulse	0.20	3
Mg	24	45	1	0.476	ug/l	27.83	5,854.62	2.419E-03	Pulse	0.10	3
Mg	24	45	2	0.278	ug/l	79.93	165.01	1.151E-03	Pulse	0.20	3
Al	27	45	1	0.302	ug/l	22.97	8,028.88	3.311E-03	Pulse	0.10	3
Al	27	45	2	0.474	ug/l	11.42	70.00	4.888E-04	Pulse	0.20	3
K	39	45	1	5.616	ug/l	57.67	653,058.76	2.691E-01	Pulse	0.10	3
K	39	45	2	3.153	ug/l	49.37	5,324.30	3.720E-02	Pulse	0.20	3
Ca	43	45	1	0.496	ug/l	123.08	61.56	2.551E-05	Pulse	1.50	3
Ca	43	45	2	-72.876	ug/l	-1.27	2.00	1.393E-05	Pulse	1.50	3
Ca	44	45	1	-0.565	ug/l	-27.88	1,643.49	6.766E-04	Pulse	0.10	3
Ca	44	45	2	-0.227	ug/l	-401.84	16.67	1.170E-04	Pulse	0.20	3
Ti	47	45	1	-0.010	ug/l	-192.71	56.67	2.311E-05	Pulse	0.10	3
Ti	47	45	2	0.000	ug/l	---	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	-0.001	ug/l	-1306.09	301.68	2.110E-03	Pulse	0.20	3
Cr	52	45	2	0.033	ug/l	54.30	1,151.73	8.046E-03	Pulse	0.20	3
Mn	55	45	2	0.011	ug/l	118.49	25.00	1.732E-04	Pulse	0.20	3
Fe	56	45	2	0.939	ug/l	7.09	4,187.28	2.925E-02	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	190.01	28.33	1.983E-04	Pulse	0.20	3
Ni	60	45	2	0.008	ug/l	499.52	133.34	9.282E-04	Pulse	0.20	3
Cu	63	45	2	-0.004	ug/l	-275.23	103.33	7.237E-04	Pulse	0.20	3
Cu	65	45	2	-0.001	ug/l	-1293.77	40.00	2.807E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.005	ug/l	1141.68	43.33	3.041E-04	Pulse	0.20	3
As	75	45	2	-0.001	ug/l	-264.47	13.33	9.309E-05	Pulse	0.50	3
Se	78	45	2	0.058	ug/l	100.84	9.33	6.514E-05	Pulse	1.00	3
Se	78	45	3	0.011	ug/l	119.26	1.67	6.193E-06	Pulse	1.00	3
Sr	88	45	1	0.002	ug/l	113.99	426.69	1.748E-04	Pulse	0.10	3
Mo	95	103	1	0.167	ug/l	8.26	880.07	2.290E-04	Pulse	0.10	3
Ag	107	115	1	0.004	ug/l	101.39	126.67	2.812E-05	Pulse	0.10	3
Cd	111	115	1	0.005	ug/l	62.67	24.00	5.428E-06	Pulse	0.25	3
Cd	111	115	2	0.003	ug/l	220.18	6.67	5.916E-06	Pulse	0.25	3
Sn	117	115	1	0.069	ug/l	27.56	253.34	5.712E-05	Pulse	0.10	3
Sn	118	115	1	0.090	ug/l	7.10	1,043.42	2.335E-04	Pulse	0.10	3
Sn	118	115	2	0.116	ug/l	18.51	363.35	3.216E-04	Pulse	0.10	3
Sn	119	115	1	0.122	ug/l	22.76	496.70	1.110E-04	Pulse	0.10	3
Sb	121	159	1	0.112	ug/l	15.28	1,113.42	1.434E-04	Pulse	0.10	3
Ba	137	159	1	-0.002	ug/l	-993.77	583.37	7.509E-05	Pulse	0.10	3
Tl	205	209	1	0.013	ug/l	35.29	990.07	2.042E-04	Pulse	0.10	3
Pb	208	209	1	0.002	ug/l	25.52	626.70	1.296E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,460,364.43	3.35	102.0	Analog	0.10	3
1	Sc	45	2,431,287.73	4.80	102.3	Analog	0.10	3
2	Sc	45	143,165.61	1.43	105.4	Pulse	0.10	3
3	Sc	45	269,485.78	1.01	113.5	Pulse	0.10	3
1	Ge	72	510,082.57	4.70	104.1	Pulse	0.10	3
2	Ge	72	89,425.17	0.25	110.8	Pulse	0.10	3
3	Ge	72	135,712.77	0.59	114.8	Pulse	0.10	3
1	Rh	103	3,838,420.25	4.57	107.4	Analog	0.10	3
2	Rh	103	2,454,506.32	0.28	111.1	Analog	0.10	3
1	In	115	4,466,575.85	5.34	109.7	Analog	0.10	3
2	In	115	1,130,193.18	0.37	108.5	Pulse	0.10	3
1	Tb	159	7,779,687.59	5.00	111.0	Analog	0.10	3
2	Tb	159	4,634,985.45	1.01	111.1	Analog	0.10	3
1	Ho	165	7,567,206.14	4.51	111.3	Analog	0.10	3
2	Ho	165	4,622,784.10	1.03	112.1	Analog	0.10	3
1	Bi	209	4,833,266.39	4.35	110.5	Analog	0.10	3
2	Bi	209	3,333,105.26	0.42	112.9	Analog	0.10	3

Quantitation Report

File Name	024SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 18:07
Sample Name	MP68736-MB2 4
Sample Type	Sample
Comment	1
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.057	ug/l	34.21	86.67	5.874E-05	Pulse	0.25	3
B	11	6	1	1.140	ug/l	5.03	2,658.06	1.821E-03	Pulse	0.15	3
Na	23	45	1	0.495	ug/l	299.87	123,586.00	5.192E-02	Pulse	0.10	3
Na	23	45	2	6.432	ug/l	9.73	5,566.04	4.155E-02	Pulse	0.20	3
Mg	24	45	1	1.154	ug/l	17.89	6,431.77	2.707E-03	Pulse	0.10	3
Mg	24	45	2	1.186	ug/l	38.93	218.34	1.630E-03	Pulse	0.20	3
Al	27	45	1	2.758	ug/l	29.05	17,546.70	7.384E-03	Pulse	0.10	3
Al	27	45	2	3.140	ug/l	16.18	148.33	1.108E-03	Pulse	0.20	3
K	39	45	1	8.159	ug/l	67.29	622,868.91	2.615E-01	Pulse	0.10	3
K	39	45	2	4.572	ug/l	89.78	4,814.19	3.593E-02	Pulse	0.20	3
Ca	43	45	1	6.490	ug/l	12.98	124.89	5.235E-05	Pulse	1.50	3
Ca	43	45	2	-141.891	ug/l	-1.69	3.11	2.325E-05	Pulse	1.50	3
Ca	44	45	1	3.688	ug/l	43.12	2,513.63	1.058E-03	Pulse	0.10	3
Ca	44	45	2	8.051	ug/l	55.95	61.67	4.599E-04	Pulse	0.20	3
Ti	47	45	1	0.268	ug/l	54.73	216.68	9.209E-05	Pulse	0.10	3
Ti	47	45	2	0.129	ug/l	99.73	5.00	3.723E-05	Pulse	0.20	3
V	51	45	2	0.591	ug/l	17.33	926.72	6.916E-03	Pulse	0.20	3
Cr	52	45	2	1.211	ug/l	8.56	2,695.28	2.012E-02	Pulse	0.20	3
Mn	55	45	2	0.083	ug/l	80.62	73.33	5.464E-04	Pulse	0.20	3
Fe	56	45	2	8.329	ug/l	5.82	11,197.32	8.359E-02	Pulse	0.20	3
Co	59	45	2	0.004	ug/l	114.96	30.00	2.240E-04	Pulse	0.20	3
Ni	60	45	2	0.020	ug/l	549.68	126.67	9.450E-04	Pulse	0.20	3
Cu	63	45	2	2.756	ug/l	1.10	4,280.65	3.196E-02	Pulse	0.20	3
Cu	65	45	2	2.653	ug/l	4.79	2,013.49	1.503E-02	Pulse	0.20	3
Zn	66	45	2	0.631	ug/l	32.93	205.01	1.530E-03	Pulse	0.20	3
As	75	45	2	0.052	ug/l	82.72	21.33	1.593E-04	Pulse	0.50	3
Se	78	45	2	-0.032	ug/l	-820.87	6.33	4.732E-05	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.061	ug/l	63.58	3.67	1.426E-05	Pulse	1.00	3
Sr	88	45	1	0.012	ug/l	72.27	526.70	2.218E-04	Pulse	0.10	3
Mo	95	103	1	0.554	ug/l	17.45	1,370.11	3.688E-04	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	438.75	86.67	1.958E-05	Pulse	0.10	3
Cd	111	115	1	0.002	ug/l	184.56	13.33	3.011E-06	Pulse	0.25	3
Cd	111	115	2	-0.003	ug/l	-164.15	1.33	1.244E-06	Pulse	0.25	3
Sn	117	115	1	0.290	ug/l	43.81	443.36	1.015E-04	Pulse	0.10	3
Sn	118	115	1	0.226	ug/l	9.21	1,223.43	2.765E-04	Pulse	0.10	3
Sn	118	115	2	0.350	ug/l	19.88	490.03	4.592E-04	Pulse	0.10	3
Sn	119	115	1	0.262	ug/l	36.80	513.36	1.172E-04	Pulse	0.10	3
Sb	121	159	1	0.205	ug/l	7.07	1,050.08	1.327E-04	Pulse	0.10	3
Ba	137	159	1	0.080	ug/l	76.13	780.05	9.853E-05	Pulse	0.10	3
Tl	205	209	1	0.027	ug/l	68.43	1,016.75	2.106E-04	Pulse	0.10	3
Pb	208	209	1	0.014	ug/l	68.00	796.71	1.646E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,460,057.07	5.08	102.0	Analog	0.10	3
1	Sc	45	2,386,159.65	5.78	100.4	Analog	0.10	3
2	Sc	45	133,940.27	0.46	98.6	Pulse	0.10	3
3	Sc	45	257,529.73	0.54	108.5	Pulse	0.10	3
1	Ge	72	498,460.57	5.40	101.7	Pulse	0.10	3
2	Ge	72	82,837.29	1.30	102.7	Pulse	0.10	3
3	Ge	72	128,988.24	1.84	109.1	Pulse	0.10	3
1	Rh	103	3,740,811.92	6.52	104.6	Analog	0.10	3
2	Rh	103	2,323,168.45	0.23	105.1	Analog	0.10	3
1	In	115	4,427,440.73	5.75	108.7	Analog	0.10	3
2	In	115	1,067,063.05	0.54	102.4	Pulse	0.10	3
1	Tb	159	7,902,213.42	5.13	112.7	Analog	0.10	3
2	Tb	159	4,565,844.20	0.90	109.4	Analog	0.10	3
1	Ho	165	7,749,850.51	5.18	114.0	Analog	0.10	3
2	Ho	165	4,565,371.08	1.03	110.8	Analog	0.10	3
1	Bi	209	4,875,515.76	5.82	111.4	Analog	0.10	3
2	Bi	209	3,228,461.62	1.11	109.4	Analog	0.10	3

Quantitation Report

File Name	025SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 18:12
Sample Name	MP68736-LC2conf
Sample Type	Sample
Comment	2
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	471.622	ug/l	1.30	629,240.04	4.535E-01	Pulse	0.25	3
B	11	6	1	1.479	ug/l	8.93	2,949.36	2.126E-03	Pulse	0.15	3
Na	23	45	1	9446.805	ug/l	1.51	45,947,979.32	2.033E+01	Analog	0.10	3
Na	23	45	2	10112.829	ug/l	0.87	1,869,550.03	1.524E+01	Analog	0.20	3
Mg	24	45	1	5291.077	ug/l	1.26	17,043,906.00	7.541E+00	Analog	0.10	3
Mg	24	45	2	5337.060	ug/l	0.97	497,846.18	4.058E+00	Pulse	0.20	3
Al	27	45	1	4815.120	ug/l	1.23	20,586,843.44	9.109E+00	Analog	0.10	3
Al	27	45	2	4686.547	ug/l	0.88	162,306.32	1.323E+00	Pulse	0.20	3
K	39	45	1	9759.986	ug/l	0.97	54,827,125.85	2.426E+01	Analog	0.10	3
K	39	45	2	9417.619	ug/l	1.13	850,403.69	6.931E+00	Pulse	0.20	3
Ca	43	45	1	5391.421	ug/l	0.52	59,540.72	2.634E-02	Pulse	1.50	3
Ca	43	45	2	4950.946	ug/l	1.38	1,512.07	1.232E-02	Pulse	1.50	3
Ca	44	45	1	5378.805	ug/l	0.75	964,818.42	4.269E-01	Pulse	0.10	3
Ca	44	45	2	5243.884	ug/l	1.85	25,952.24	2.115E-01	Pulse	0.20	3
Ti	47	45	1	433.329	ug/l	1.48	235,655.62	1.043E-01	Pulse	0.10	3
Ti	47	45	2	449.510	ug/l	3.39	15,899.54	1.296E-01	Pulse	0.20	3
V	51	45	2	518.990	ug/l	0.97	516,034.19	4.206E+00	Pulse	0.20	3
Cr	52	45	2	518.221	ug/l	1.30	671,735.07	5.475E+00	Pulse	0.20	3
Mn	55	45	2	509.499	ug/l	1.73	379,759.47	3.095E+00	Pulse	0.20	3
Fe	56	45	2	5529.360	ug/l	1.26	5,715,100.33	4.658E+01	Analog	0.20	3
Co	59	45	2	513.407	ug/l	0.18	1,002,278.35	8.169E+00	Pulse	0.20	3
Ni	60	45	2	507.731	ug/l	1.44	261,154.14	2.129E+00	Pulse	0.20	3
Cu	63	45	2	503.818	ug/l	0.27	698,847.62	5.696E+00	Pulse	0.20	3
Cu	65	45	2	505.118	ug/l	0.45	344,277.65	2.806E+00	Pulse	0.20	3
Zn	66	45	2	462.862	ug/l	1.30	112,079.66	9.135E-01	Pulse	0.20	3
As	75	45	2	477.828	ug/l	0.79	70,974.53	5.785E-01	Pulse	0.50	3
Se	78	45	2	430.098	ug/l	1.18	6,373.59	5.195E-02	Pulse	1.00	3
Se	78	45	3	437.931	ug/l	0.46	21,978.76	9.262E-02	Pulse	1.00	3
Sr	88	45	1	0.119	ug/l	6.16	1,843.52	8.157E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	436.220	ug/l	0.64	987,562.98	2.782E-01	Pulse	0.10	3
Ag	107	115	1	193.848	ug/l	0.17	1,048,482.64	2.460E-01	Pulse	0.10	3
Cd	111	115	1	465.317	ug/l	0.86	602,253.62	1.413E-01	Pulse	0.25	3
Cd	111	115	2	502.057	ug/l	1.79	244,942.25	2.557E-01	Pulse	0.25	3
Sn	117	115	1	0.288	ug/l	3.76	430.02	1.009E-04	Pulse	0.10	3
Sn	118	115	1	0.219	ug/l	5.24	1,150.10	2.698E-04	Pulse	0.10	3
Sn	118	115	2	0.338	ug/l	16.90	426.69	4.449E-04	Pulse	0.10	3
Sn	119	115	1	0.237	ug/l	31.56	463.36	1.087E-04	Pulse	0.10	3
Sb	121	159	1	524.573	ug/l	0.72	2,272,338.25	2.900E-01	Analog	0.10	3
Ba	137	159	1	475.871	ug/l	0.63	1,053,194.52	1.344E-01	Pulse	0.10	3
Tl	205	209	1	498.084	ug/l	1.02	6,541,495.11	1.377E+00	Analog	0.10	3
Pb	208	209	1	500.045	ug/l	0.93	9,320,300.17	1.963E+00	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,387,688.49	1.14	97.0	Analog	0.10	3
1	Sc	45	2,260,058.56	0.19	95.1	Analog	0.10	3
2	Sc	45	122,692.08	0.29	90.3	Pulse	0.10	3
3	Sc	45	237,309.96	0.33	99.9	Pulse	0.10	3
1	Ge	72	480,010.67	0.64	97.9	Pulse	0.10	3
2	Ge	72	75,706.78	0.94	93.8	Pulse	0.10	3
3	Ge	72	120,215.30	1.19	101.7	Pulse	0.10	3
1	Rh	103	3,550,354.84	0.56	99.3	Analog	0.10	3
2	Rh	103	2,126,105.96	0.22	96.2	Analog	0.10	3
1	In	115	4,262,146.75	0.88	104.7	Analog	0.10	3
2	In	115	957,945.63	1.83	91.9	Pulse	0.10	3
1	Tb	159	7,835,179.88	0.56	111.8	Analog	0.10	3
2	Tb	159	4,328,965.98	0.87	103.8	Analog	0.10	3
1	Ho	165	7,701,221.14	0.35	113.3	Analog	0.10	3
2	Ho	165	4,381,084.00	0.23	106.3	Analog	0.10	3
1	Bi	209	4,748,979.30	0.19	108.6	Analog	0.10	3
2	Bi	209	3,022,637.45	0.43	102.4	Analog	0.10	3

Quantitation Report

File Name	026SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 18:17
Sample Name	MP68736-S3
Sample Type	Sample
Comment	3
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	45.055	ug/l	1.31	12,678.19	8.668E-03	Pulse	0.25	3
B	11	6	1	70.896	ug/l	4.67	19,827.45	1.356E-02	Pulse	0.15	3
Na	23	45	1	86020.033	ug/l	0.53	93,413,551.94	3.698E+01	Analog	0.10	3
Na	23	45	2	91905.386	ug/l	2.13	3,852,417.34	2.767E+01	Analog	0.20	3
Mg	24	45	1	41117.448	ug/l	0.73	29,603,961.23	1.172E+01	Analog	0.10	3
Mg	24	45	2	41609.802	ug/l	2.89	880,718.74	6.327E+00	Pulse	0.20	3
Al	27	45	1	92369.494	ug/l	0.91	88,257,228.69	3.494E+01	Analog	0.10	3
Al	27	45	2	91389.907	ug/l	2.64	718,152.62	5.159E+00	Pulse	0.20	3
K	39	45	1	34163.294	ug/l	0.10	43,080,894.36	1.706E+01	Analog	0.10	3
K	39	45	2	33573.130	ug/l	3.17	689,228.17	4.951E+00	Pulse	0.20	3
Ca	43	45	1	110928.534	ug/l	0.87	273,660.90	1.083E-01	Pulse	1.50	3
Ca	43	45	2	105778.759	ug/l	3.45	7,163.54	5.147E-02	Pulse	1.50	3
Ca	44	45	1	112410.846	ug/l	0.99	4,500,838.27	1.782E+00	Analog	0.10	3
Ca	44	45	2	111426.421	ug/l	4.28	125,039.28	8.985E-01	Pulse	0.20	3
Ti	47	45	1	933.909	ug/l	0.45	113,563.63	4.496E-02	Pulse	0.10	3
Ti	47	45	2	989.665	ug/l	2.86	7,945.39	5.706E-02	Pulse	0.20	3
V	51	45	2	665.657	ug/l	2.56	150,422.94	1.081E+00	Pulse	0.20	3
Cr	52	45	2	529.303	ug/l	2.68	156,514.08	1.124E+00	Pulse	0.20	3
Mn	55	45	2	1980.849	ug/l	2.27	335,084.98	2.407E+00	Pulse	0.20	3
Fe	56	45	2	64990.771	ug/l	2.32	15,242,561.02	1.095E+02	Analog	0.20	3
Co	59	45	2	508.005	ug/l	2.22	225,090.65	1.617E+00	Pulse	0.20	3
Ni	60	45	2	2516.656	ug/l	2.88	293,740.44	2.110E+00	Pulse	0.20	3
Cu	63	45	2	770.919	ug/l	2.19	242,767.57	1.744E+00	Pulse	0.20	3
Cu	65	45	2	764.140	ug/l	2.42	118,225.71	8.492E-01	Pulse	0.20	3
Zn	66	45	2	6698.006	ug/l	2.97	367,974.94	2.643E+00	Pulse	0.20	3
As	75	45	2	2028.355	ug/l	2.84	68,369.53	4.911E-01	Pulse	0.50	3
Se	78	45	2	1840.954	ug/l	3.76	6,190.86	4.448E-02	Pulse	1.00	3
Se	78	45	3	1882.548	ug/l	2.42	20,991.84	7.963E-02	Pulse	1.00	3
Sr	88	45	1	593.780	ug/l	1.26	1,670,789.98	6.615E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	17.195	ug/l	1.23	8,465.93	2.209E-03	Pulse	0.10	3
Ag	107	115	1	46.313	ug/l	1.90	54,313.92	1.177E-02	Pulse	0.10	3
Cd	111	115	1	54.664	ug/l	3.17	15,327.57	3.322E-03	Pulse	0.25	3
Cd	111	115	2	60.248	ug/l	2.89	6,566.79	6.140E-03	Pulse	0.25	3
Sn	117	115	1	9.267	ug/l	6.66	2,583.64	5.599E-04	Pulse	0.10	3
Sn	118	115	1	9.205	ug/l	5.43	8,352.59	1.810E-03	Pulse	0.10	3
Sn	118	115	2	9.632	ug/l	4.12	2,440.27	2.282E-03	Pulse	0.10	3
Sn	119	115	1	10.480	ug/l	5.01	3,453.84	7.487E-04	Pulse	0.10	3
Sb	121	159	1	539.927	ug/l	0.86	489,832.16	5.971E-02	Pulse	0.10	3
Ba	137	159	1	1951.995	ug/l	0.45	904,668.40	1.103E-01	Pulse	0.10	3
Tl	205	209	1	1849.350	ug/l	1.23	5,109,678.78	1.023E+00	Analog	0.10	3
Pb	208	209	1	588.691	ug/l	0.59	2,308,529.85	4.622E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,462,657.17	1.17	102.2	Analog	0.10	3
1	Sc	45	2,525,967.25	0.90	106.3	Analog	0.10	3
2	Sc	45	139,285.24	2.99	102.6	Pulse	0.10	3
3	Sc	45	263,681.14	1.33	111.1	Pulse	0.10	3
1	Ge	72	511,678.89	1.00	104.4	Pulse	0.10	3
2	Ge	72	84,918.44	1.23	105.2	Pulse	0.10	3
3	Ge	72	129,132.89	2.10	109.2	Pulse	0.10	3
1	Rh	103	3,833,162.86	0.59	107.2	Analog	0.10	3
2	Rh	103	2,298,085.75	0.17	104.0	Analog	0.10	3
1	In	115	4,613,753.31	0.32	113.3	Analog	0.10	3
2	In	115	1,069,622.46	1.20	102.7	Pulse	0.10	3
1	Tb	159	8,202,797.38	0.32	117.0	Analog	0.10	3
2	Tb	159	4,587,781.39	0.71	110.0	Analog	0.10	3
1	Ho	165	8,004,028.84	0.31	117.7	Analog	0.10	3
2	Ho	165	4,619,237.95	0.67	112.1	Analog	0.10	3
1	Bi	209	4,995,009.40	0.88	114.2	Analog	0.10	3
2	Bi	209	3,253,189.64	0.32	110.2	Analog	0.10	3

Quantitation Report

File Name	027SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 18:22
Sample Name	MP68736-S4
Sample Type	Sample
Comment	4
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	47.684	ug/l	3.15	13,265.34	9.173E-03	Pulse	0.25	3
B	11	6	1	72.625	ug/l	4.66	20,061.26	1.387E-02	Pulse	0.15	3
Na	23	45	1	86770.200	ug/l	0.33	94,259,638.60	3.730E+01	Analog	0.10	3
Na	23	45	2	94293.295	ug/l	0.56	3,891,202.55	2.839E+01	Analog	0.20	3
Mg	24	45	1	41728.544	ug/l	0.22	30,053,982.88	1.189E+01	Analog	0.10	3
Mg	24	45	2	42000.790	ug/l	0.59	875,363.66	6.386E+00	Pulse	0.20	3
Al	27	45	1	93856.213	ug/l	0.83	89,710,422.00	3.550E+01	Analog	0.10	3
Al	27	45	2	93059.860	ug/l	0.97	720,012.41	5.253E+00	Pulse	0.20	3
K	39	45	1	34713.032	ug/l	0.85	43,777,931.01	1.733E+01	Analog	0.10	3
K	39	45	2	34053.847	ug/l	0.59	688,330.40	5.022E+00	Pulse	0.20	3
Ca	43	45	1	112789.223	ug/l	0.83	278,352.35	1.102E-01	Pulse	1.50	3
Ca	43	45	2	108267.636	ug/l	1.83	7,219.12	5.267E-02	Pulse	1.50	3
Ca	44	45	1	114320.386	ug/l	1.01	4,578,948.06	1.812E+00	Analog	0.10	3
Ca	44	45	2	111063.717	ug/l	1.15	122,764.91	8.955E-01	Pulse	0.20	3
Ti	47	45	1	958.649	ug/l	0.43	116,607.77	4.615E-02	Pulse	0.10	3
Ti	47	45	2	1006.875	ug/l	1.08	7,958.72	5.806E-02	Pulse	0.20	3
V	51	45	2	676.636	ug/l	1.14	150,543.03	1.098E+00	Pulse	0.20	3
Cr	52	45	2	541.428	ug/l	0.93	157,608.21	1.150E+00	Pulse	0.20	3
Mn	55	45	2	2031.752	ug/l	1.46	338,365.57	2.469E+00	Pulse	0.20	3
Fe	56	45	2	66651.253	ug/l	1.38	15,389,447.69	1.123E+02	Analog	0.20	3
Co	59	45	2	514.302	ug/l	0.42	224,355.29	1.637E+00	Pulse	0.20	3
Ni	60	45	2	2555.027	ug/l	0.65	293,650.48	2.142E+00	Pulse	0.20	3
Cu	63	45	2	761.550	ug/l	1.27	236,094.00	1.723E+00	Pulse	0.20	3
Cu	65	45	2	763.920	ug/l	1.70	116,356.19	8.490E-01	Pulse	0.20	3
Zn	66	45	2	6804.993	ug/l	0.73	368,107.82	2.686E+00	Pulse	0.20	3
As	75	45	2	2082.403	ug/l	0.35	69,114.68	5.042E-01	Pulse	0.50	3
Se	78	45	2	1847.207	ug/l	0.84	6,117.83	4.463E-02	Pulse	1.00	3
Se	78	45	3	1930.708	ug/l	1.10	20,978.48	8.166E-02	Pulse	1.00	3
Sr	88	45	1	609.988	ug/l	0.74	1,717,014.66	6.795E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	16.412	ug/l	2.23	8,119.07	2.109E-03	Pulse	0.10	3
Ag	107	115	1	46.741	ug/l	0.89	55,651.99	1.188E-02	Pulse	0.10	3
Cd	111	115	1	54.263	ug/l	1.68	15,449.07	3.298E-03	Pulse	0.25	3
Cd	111	115	2	59.192	ug/l	1.40	6,454.74	6.033E-03	Pulse	0.25	3
Sn	117	115	1	8.905	ug/l	7.16	2,523.64	5.387E-04	Pulse	0.10	3
Sn	118	115	1	9.203	ug/l	4.31	8,479.28	1.810E-03	Pulse	0.10	3
Sn	118	115	2	9.977	ug/l	5.98	2,526.96	2.362E-03	Pulse	0.10	3
Sn	119	115	1	8.837	ug/l	11.00	2,977.06	6.355E-04	Pulse	0.10	3
Sb	121	159	1	542.785	ug/l	0.38	497,041.70	6.003E-02	Pulse	0.10	3
Ba	137	159	1	1954.953	ug/l	0.15	914,530.79	1.105E-01	Pulse	0.10	3
Tl	205	209	1	1853.781	ug/l	0.70	5,193,022.74	1.025E+00	Analog	0.10	3
Pb	208	209	1	589.812	ug/l	0.84	2,345,065.98	4.631E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,446,249.88	0.56	101.0	Analog	0.10	3
1	Sc	45	2,526,750.12	0.36	106.4	Analog	0.10	3
2	Sc	45	137,074.74	1.07	100.9	Pulse	0.10	3
3	Sc	45	256,914.94	1.50	108.2	Pulse	0.10	3
1	Ge	72	513,074.16	0.77	104.7	Pulse	0.10	3
2	Ge	72	84,757.25	1.47	105.0	Pulse	0.10	3
3	Ge	72	128,090.26	1.42	108.3	Pulse	0.10	3
1	Rh	103	3,849,930.36	0.58	107.7	Analog	0.10	3
2	Rh	103	2,299,218.40	0.04	104.0	Analog	0.10	3
1	In	115	4,684,375.91	0.23	115.0	Analog	0.10	3
2	In	115	1,069,958.23	0.59	102.7	Pulse	0.10	3
1	Tb	159	8,279,744.25	0.08	118.1	Analog	0.10	3
2	Tb	159	4,653,564.30	0.07	111.6	Analog	0.10	3
1	Ho	165	8,116,455.50	0.27	119.4	Analog	0.10	3
2	Ho	165	4,639,214.20	0.16	112.5	Analog	0.10	3
1	Bi	209	5,064,438.26	0.88	115.8	Analog	0.10	3
2	Bi	209	3,264,956.62	0.59	110.6	Analog	0.10	3

Quantitation Report

File Name	028SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 18:27
Sample Name	RINSECONF
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.002	ug/l	106.77	12.00	8.142E-06	Pulse	0.25	3
B	11	6	1	0.362	ug/l	11.35	2,133.52	1.446E-03	Pulse	0.15	3
Na	23	45	1	-1.268	ug/l	-11.54	113,865.15	4.541E-02	Pulse	0.10	3
Na	23	45	2	2.271	ug/l	19.24	5,404.30	3.871E-02	Pulse	0.20	3
Mg	24	45	1	0.067	ug/l	62.08	3,143.76	1.254E-03	Pulse	0.10	3
Mg	24	45	2	-0.007	ug/l	-2418.85	100.00	7.174E-04	Pulse	0.20	3
Al	27	45	1	0.154	ug/l	24.90	6,901.70	2.753E-03	Pulse	0.10	3
Al	27	45	2	0.239	ug/l	101.28	50.00	3.565E-04	Pulse	0.20	3
K	39	45	1	-0.878	ug/l	-65.32	594,666.90	2.371E-01	Pulse	0.10	3
K	39	45	2	0.835	ug/l	112.90	4,719.09	3.381E-02	Pulse	0.20	3
Ca	43	45	1	0.071	ug/l	247.41	53.55	2.136E-05	Pulse	1.50	3
Ca	43	45	2	-74.121	ug/l	-1.48	1.11	7.912E-06	Pulse	1.50	3
Ca	44	45	1	-1.141	ug/l	-37.74	1,466.81	5.852E-04	Pulse	0.10	3
Ca	44	45	2	-0.043	ug/l	-3212.31	18.33	1.318E-04	Pulse	0.20	3
Ti	47	45	1	0.009	ug/l	525.88	80.00	3.200E-05	Pulse	0.10	3
Ti	47	45	2	0.042	ug/l	173.21	3.33	2.421E-05	Pulse	0.20	3
V	51	45	2	0.032	ug/l	38.12	370.01	2.651E-03	Pulse	0.20	3
Cr	52	45	2	0.052	ug/l	70.44	1,180.07	8.450E-03	Pulse	0.20	3
Mn	55	45	2	0.014	ug/l	42.69	30.00	2.157E-04	Pulse	0.20	3
Fe	56	45	2	0.766	ug/l	14.18	3,675.48	2.634E-02	Pulse	0.20	3
Co	59	45	2	0.000	ug/l	247.13	23.33	1.670E-04	Pulse	0.20	3
Ni	60	45	2	-0.022	ug/l	-118.33	95.00	6.798E-04	Pulse	0.20	3
Cu	63	45	2	-0.003	ug/l	-264.19	105.00	7.513E-04	Pulse	0.20	3
Cu	65	45	2	0.002	ug/l	480.61	45.00	3.210E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.034	ug/l	86.03	58.33	4.189E-04	Pulse	0.20	3
As	75	45	2	0.033	ug/l	122.96	24.67	1.755E-04	Pulse	0.50	3
Se	78	45	2	0.136	ug/l	94.13	11.67	8.387E-05	Pulse	1.00	3
Se	78	45	3	0.033	ug/l	56.43	4.00	1.529E-05	Pulse	1.00	3
Sr	88	45	1	0.000	ug/l	-3961.65	386.69	1.541E-04	Pulse	0.10	3
Mo	95	103	1	0.028	ug/l	42.59	206.68	5.125E-05	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	332.71	103.34	2.175E-05	Pulse	0.10	3
Cd	111	115	1	0.002	ug/l	272.11	16.00	3.371E-06	Pulse	0.25	3
Cd	111	115	2	0.009	ug/l	58.15	13.33	1.211E-05	Pulse	0.25	3
Sn	117	115	1	0.023	ug/l	37.60	143.34	3.012E-05	Pulse	0.10	3
Sn	118	115	1	0.003	ug/l	608.24	320.02	6.735E-05	Pulse	0.10	3
Sn	118	115	2	0.028	ug/l	51.69	130.01	1.182E-04	Pulse	0.10	3
Sn	119	115	1	-0.001	ug/l	-1781.49	126.67	2.664E-05	Pulse	0.10	3
Sb	121	159	1	0.069	ug/l	17.78	803.39	9.533E-05	Pulse	0.10	3
Ba	137	159	1	0.014	ug/l	100.51	706.71	8.379E-05	Pulse	0.10	3
Tl	205	209	1	0.628	ug/l	6.71	18,772.66	3.610E-03	Pulse	0.10	3
Pb	208	209	1	0.003	ug/l	64.38	700.04	1.346E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,475,664.77	0.51	103.1	Analog	0.10	3
1	Sc	45	2,507,676.84	0.68	105.6	Analog	0.10	3
2	Sc	45	139,652.67	1.76	102.8	Pulse	0.10	3
3	Sc	45	263,053.67	1.64	110.8	Pulse	0.10	3
1	Ge	72	524,579.58	0.25	107.0	Pulse	0.10	3
2	Ge	72	88,262.72	2.19	109.4	Pulse	0.10	3
3	Ge	72	131,755.86	0.98	111.4	Pulse	0.10	3
1	Rh	103	4,034,213.90	0.59	112.8	Analog	0.10	3
2	Rh	103	2,415,719.29	0.65	109.3	Analog	0.10	3
1	In	115	4,757,172.85	0.51	116.8	Analog	0.10	3
2	In	115	1,100,543.01	0.79	105.6	Pulse	0.10	3
1	Tb	159	8,431,292.17	0.69	120.3	Analog	0.10	3
2	Tb	159	4,656,918.89	0.14	111.6	Analog	0.10	3
1	Ho	165	8,170,074.05	0.48	120.2	Analog	0.10	3
2	Ho	165	4,625,422.64	0.45	112.2	Analog	0.10	3
1	Bi	209	5,200,476.90	0.22	118.9	Analog	0.10	3
2	Bi	209	3,357,654.01	0.29	113.7	Analog	0.10	3

Quantitation Report

File Name	029SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 18:32
Sample Name	C25285-17
Sample Type	Sample
Comment	5
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.795	ug/l	1.03	2,246.85	1.730E-03	Pulse	0.25	3
B	11	6	1	65.483	ug/l	3.36	77,572.19	5.975E-02	Pulse	0.15	3
Na	23	45	1	56742.533	ug/l	0.24	300,796,975.52	1.219E+02	Analog	0.10	3
Na	23	45	2	61433.758	ug/l	0.96	12,340,547.32	9.241E+01	Analog	0.20	3
Mg	24	45	1	16412.368	ug/l	0.38	57,736,925.81	2.339E+01	Analog	0.10	3
Mg	24	45	2	17348.978	ug/l	1.24	1,761,292.94	1.319E+01	Analog	0.20	3
Al	27	45	1	79806.922	ug/l	0.56	372,573,981.12	1.509E+02	Analog	0.10	3
Al	27	45	2	81539.230	ug/l	0.96	3,073,273.18	2.301E+01	Analog	0.20	3
K	39	45	1	10157.240	ug/l	0.76	62,291,364.07	2.524E+01	Analog	0.10	3
K	39	45	2	10184.741	ug/l	0.61	1,000,719.83	7.493E+00	Pulse	0.20	3
Ca	43	45	1	78577.503	ug/l	0.74	947,055.44	3.837E-01	Pulse	1.50	3
Ca	43	45	2	77342.252	ug/l	0.41	24,998.32	1.872E-01	Pulse	1.50	3
Ca	44	45	1	80248.202	ug/l	0.76	15,695,557.27	6.358E+00	Analog	0.10	3
Ca	44	45	2	79847.796	ug/l	1.04	429,861.92	3.219E+00	Pulse	0.20	3
Ti	47	45	1	848.421	ug/l	1.02	503,850.68	2.041E-01	Pulse	0.10	3
Ti	47	45	2	889.221	ug/l	1.76	34,240.58	2.564E-01	Pulse	0.20	3
V	51	45	2	180.767	ug/l	1.25	195,827.54	1.466E+00	Pulse	0.20	3
Cr	52	45	2	312.056	ug/l	1.06	440,682.94	3.300E+00	Pulse	0.20	3
Mn	55	45	2	1374.900	ug/l	0.93	1,115,492.28	8.353E+00	Pulse	0.20	3
Fe	56	45	2	57753.344	ug/l	0.63	64,960,977.37	4.864E+02	Analog	0.20	3
Co	59	45	2	43.604	ug/l	1.00	92,682.08	6.939E-01	Pulse	0.20	3
Ni	60	45	2	1842.245	ug/l	0.63	1,031,130.53	7.721E+00	Pulse	0.20	3
Cu	63	45	2	474.722	ug/l	0.56	716,774.47	5.367E+00	Pulse	0.20	3
Cu	65	45	2	475.004	ug/l	0.11	352,412.68	2.639E+00	Pulse	0.20	3
Zn	66	45	2	4978.311	ug/l	0.61	1,311,810.94	9.823E+00	Pulse	0.20	3
As	75	45	2	109.909	ug/l	1.50	17,779.73	1.331E-01	Pulse	0.50	3
Se	78	45	2	6.322	ug/l	14.59	108.67	8.139E-04	Pulse	1.00	3
Se	78	45	3	1.096	ug/l	3.95	60.67	2.332E-04	Pulse	1.00	3
Sr	88	45	1	549.335	ug/l	0.68	7,551,451.97	3.059E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	17.014	ug/l	2.35	37,926.08	1.086E-02	Pulse	0.10	3
Ag	107	115	1	0.340	ug/l	12.60	1,956.86	4.491E-04	Pulse	0.10	3
Cd	111	115	1	9.348	ug/l	0.82	12,371.66	2.841E-03	Pulse	0.25	3
Cd	111	115	2	10.291	ug/l	2.24	5,151.58	5.245E-03	Pulse	0.25	3
Sn	117	115	1	9.464	ug/l	3.10	12,155.25	2.792E-03	Pulse	0.10	3
Sn	118	115	1	9.064	ug/l	1.38	37,753.02	8.670E-03	Pulse	0.10	3
Sn	118	115	2	10.152	ug/l	1.99	11,584.63	1.179E-02	Pulse	0.10	3
Sn	119	115	1	9.930	ug/l	1.12	15,004.37	3.446E-03	Pulse	0.10	3
Sb	121	159	1	2.256	ug/l	5.40	10,273.79	1.266E-03	Pulse	0.10	3
Ba	137	159	1	136.891	ug/l	0.41	314,132.48	3.872E-02	Pulse	0.10	3
Tl	205	209	1	0.600	ug/l	1.68	8,609.49	1.793E-03	Pulse	0.10	3
Pb	208	209	1	125.078	ug/l	0.24	2,357,208.61	4.910E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,298,601.88	1.56	90.7	Analog	0.10	3
1	Sc	45	2,468,430.90	1.02	103.9	Analog	0.10	3
2	Sc	45	133,552.66	0.62	98.3	Pulse	0.10	3
3	Sc	45	260,163.96	1.34	109.6	Pulse	0.10	3
1	Ge	72	475,720.88	1.14	97.0	Pulse	0.10	3
2	Ge	72	77,404.58	1.23	95.9	Pulse	0.10	3
3	Ge	72	120,541.16	1.04	102.0	Pulse	0.10	3
1	Rh	103	3,491,304.85	0.84	97.7	Analog	0.10	3
2	Rh	103	2,112,652.89	0.37	95.6	Analog	0.10	3
1	In	115	4,354,217.12	1.01	106.9	Analog	0.10	3
2	In	115	982,154.60	0.62	94.3	Pulse	0.10	3
1	Tb	159	8,112,604.04	0.85	115.7	Analog	0.10	3
2	Tb	159	4,473,969.62	0.73	107.2	Analog	0.10	3
1	Ho	165	7,968,679.67	0.78	117.2	Analog	0.10	3
2	Ho	165	4,493,381.60	0.29	109.0	Analog	0.10	3
1	Bi	209	4,801,093.99	1.72	109.7	Analog	0.10	3
2	Bi	209	3,056,608.18	0.57	103.5	Analog	0.10	3

Quantitation Report

File Name	030SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 18:38
Sample Name	MP68736-SD2
Sample Type	Sample
Comment	6
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.784	ug/l	16.52	524.02	3.468E-04	Pulse	0.25	3
B	11	6	1	67.543	ug/l	1.72	19,591.74	1.296E-02	Pulse	0.15	3
Na	23	45	1	60041.775	ug/l	1.37	69,496,335.63	2.583E+01	Analog	0.10	3
Na	23	45	2	65583.265	ug/l	1.88	2,964,391.73	1.975E+01	Analog	0.20	3
Mg	24	45	1	17632.714	ug/l	1.42	13,524,339.80	5.027E+00	Analog	0.10	3
Mg	24	45	2	18047.061	ug/l	1.80	411,834.66	2.744E+00	Pulse	0.20	3
Al	27	45	1	85275.674	ug/l	1.81	86,793,208.71	3.226E+01	Analog	0.10	3
Al	27	45	2	84118.645	ug/l	1.46	712,558.87	4.748E+00	Pulse	0.20	3
K	39	45	1	10967.782	ug/l	1.55	15,173,350.61	5.639E+00	Analog	0.10	3
K	39	45	2	10837.004	ug/l	1.55	243,148.34	1.620E+00	Pulse	0.20	3
Ca	43	45	1	84545.295	ug/l	1.49	222,183.37	8.258E-02	Pulse	1.50	3
Ca	43	45	2	81303.486	ug/l	1.71	5,949.06	3.964E-02	Pulse	1.50	3
Ca	44	45	1	85889.882	ug/l	1.33	3,663,677.34	1.362E+00	Analog	0.10	3
Ca	44	45	2	84476.986	ug/l	1.37	102,224.58	6.812E-01	Pulse	0.20	3
Ti	47	45	1	887.834	ug/l	1.31	115,007.15	4.274E-02	Pulse	0.10	3
Ti	47	45	2	948.265	ug/l	3.38	8,203.88	5.468E-02	Pulse	0.20	3
V	51	45	2	191.563	ug/l	0.54	46,894.71	3.125E-01	Pulse	0.20	3
Cr	52	45	2	332.760	ug/l	0.76	106,484.64	7.095E-01	Pulse	0.20	3
Mn	55	45	2	1466.107	ug/l	1.73	267,327.84	1.781E+00	Pulse	0.20	3
Fe	56	45	2	61572.074	ug/l	2.14	15,564,913.52	1.037E+02	Analog	0.20	3
Co	59	45	2	47.354	ug/l	0.90	22,639.17	1.509E-01	Pulse	0.20	3
Ni	60	45	2	2002.721	ug/l	1.05	252,031.90	1.679E+00	Pulse	0.20	3
Cu	63	45	2	523.197	ug/l	0.45	177,643.25	1.184E+00	Pulse	0.20	3
Cu	65	45	2	520.685	ug/l	0.94	86,853.95	5.787E-01	Pulse	0.20	3
Zn	66	45	2	6013.967	ug/l	0.50	356,204.84	2.373E+00	Pulse	0.20	3
As	75	45	2	126.801	ug/l	4.19	4,620.02	3.079E-02	Pulse	0.50	3
Se	78	45	2	6.835	ug/l	51.37	32.33	2.161E-04	Pulse	1.00	3
Se	78	45	3	1.362	ug/l	8.93	17.33	5.900E-05	Pulse	1.00	3
Sr	88	45	1	585.107	ug/l	1.60	1,753,848.88	6.518E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	16.024	ug/l	2.47	8,676.06	2.059E-03	Pulse	0.10	3
Ag	107	115	1	0.263	ug/l	39.76	433.36	8.477E-05	Pulse	0.10	3
Cd	111	115	1	9.989	ug/l	7.02	3,112.36	6.090E-04	Pulse	0.25	3
Cd	111	115	2	10.992	ug/l	4.10	1,310.74	1.122E-03	Pulse	0.25	3
Sn	117	115	1	8.061	ug/l	7.47	2,500.28	4.892E-04	Pulse	0.10	3
Sn	118	115	1	8.602	ug/l	4.97	8,666.06	1.696E-03	Pulse	0.10	3
Sn	118	115	2	9.302	ug/l	8.63	2,576.99	2.206E-03	Pulse	0.10	3
Sn	119	115	1	8.761	ug/l	5.13	3,220.45	6.302E-04	Pulse	0.10	3
Sb	121	159	1	2.424	ug/l	2.74	2,583.65	2.872E-04	Pulse	0.10	3
Ba	137	159	1	139.489	ug/l	0.20	71,532.26	7.952E-03	Pulse	0.10	3
Tl	205	209	1	1.373	ug/l	9.55	4,924.36	8.940E-04	Pulse	0.10	3
Pb	208	209	1	120.887	ug/l	0.60	523,357.31	9.500E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,512,095.20	0.57	105.6	Analog	0.10	3
1	Sc	45	2,690,723.92	0.88	113.3	Analog	0.10	3
2	Sc	45	150,086.45	1.38	110.5	Pulse	0.10	3
3	Sc	45	293,752.85	0.12	123.7	Pulse	0.10	3
1	Ge	72	554,390.77	0.88	113.1	Pulse	0.10	3
2	Ge	72	92,995.54	0.77	115.2	Pulse	0.10	3
3	Ge	72	143,810.26	1.05	121.6	Pulse	0.10	3
1	Rh	103	4,213,043.79	0.26	117.8	Analog	0.10	3
2	Rh	103	2,522,118.56	1.00	114.1	Analog	0.10	3
1	In	115	5,110,355.05	0.42	125.5	Analog	0.10	3
2	In	115	1,167,915.08	0.93	112.1	Pulse	0.10	3
1	Tb	159	8,995,857.99	0.65	128.3	Analog	0.10	3
2	Tb	159	4,940,278.68	1.01	118.4	Analog	0.10	3
1	Ho	165	8,821,032.57	0.62	129.7	Analog	0.10	3
2	Ho	165	4,975,182.84	1.20	120.7	Analog	0.10	3
1	Bi	209	5,509,278.04	0.35	125.9	Analog	0.10	3
2	Bi	209	3,526,242.55	1.14	119.5	Analog	0.10	3

Quantitation Report

File Name	031SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 18:43
Sample Name	C25285-1conf
Sample Type	Sample
Comment	7
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.087	ug/l	20.52	117.33	8.777E-05	Pulse	0.25	3
B	11	6	1	56.144	ug/l	1.52	68,604.94	5.134E-02	Pulse	0.15	3
Na	23	45	1	4342.205	ug/l	0.53	21,130,137.19	9.372E+00	Analog	0.10	3
Na	23	45	2	4908.432	ug/l	8.67	869,455.87	7.412E+00	Pulse	0.20	3
Mg	24	45	1	2209.229	ug/l	0.56	7,100,510.94	3.149E+00	Analog	0.10	3
Mg	24	45	2	2434.723	ug/l	9.34	217,081.34	1.851E+00	Pulse	0.20	3
Al	27	45	1	2718.245	ug/l	0.29	11,595,494.83	5.143E+00	Analog	0.10	3
Al	27	45	2	2852.297	ug/l	10.87	94,318.78	8.052E-01	Pulse	0.20	3
K	39	45	1	2552.066	ug/l	0.30	14,703,593.53	6.522E+00	Analog	0.10	3
K	39	45	2	2684.949	ug/l	10.13	234,332.20	1.999E+00	Pulse	0.20	3
Ca	43	45	1	15485.908	ug/l	0.70	170,515.28	7.563E-02	Pulse	1.50	3
Ca	43	45	2	15769.882	ug/l	10.75	4,505.28	3.846E-02	Pulse	1.50	3
Ca	44	45	1	15756.947	ug/l	0.51	2,816,147.46	1.249E+00	Analog	0.10	3
Ca	44	45	2	16301.184	ug/l	9.03	77,074.14	6.572E-01	Pulse	0.20	3
Ti	47	45	1	132.904	ug/l	1.97	72,139.22	3.200E-02	Pulse	0.10	3
Ti	47	45	2	149.752	ug/l	5.50	5,074.24	4.317E-02	Pulse	0.20	3
V	51	45	2	11.592	ug/l	10.97	11,249.06	9.603E-02	Pulse	0.20	3
Cr	52	45	2	48.658	ug/l	10.01	61,035.68	5.207E-01	Pulse	0.20	3
Mn	55	45	2	123.763	ug/l	9.32	88,162.16	7.519E-01	Pulse	0.20	3
Fe	56	45	2	7329.150	ug/l	10.00	7,235,819.89	6.174E+01	Analog	0.20	3
Co	59	45	2	7.028	ug/l	8.50	13,137.10	1.120E-01	Pulse	0.20	3
Ni	60	45	2	19.172	ug/l	12.27	9,504.59	8.120E-02	Pulse	0.20	3
Cu	63	45	2	58.243	ug/l	9.80	77,267.52	6.592E-01	Pulse	0.20	3
Cu	65	45	2	58.644	ug/l	11.08	38,186.32	3.260E-01	Pulse	0.20	3
Zn	66	45	2	4063.043	ug/l	9.95	939,591.50	8.017E+00	Pulse	0.20	3
As	75	45	2	2.734	ug/l	26.08	395.34	3.405E-03	Pulse	0.50	3
Se	78	45	2	0.483	ug/l	29.56	13.00	1.094E-04	Pulse	1.00	3
Se	78	45	3	0.167	ug/l	30.15	8.67	3.674E-05	Pulse	1.00	3
Sr	88	45	1	75.316	ug/l	0.40	945,978.71	4.196E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.674	ug/l	7.41	3,940.64	1.084E-03	Pulse	0.10	3
Ag	107	115	1	0.087	ug/l	9.21	573.36	1.290E-04	Pulse	0.10	3
Cd	111	115	1	1.943	ug/l	7.80	2,633.59	5.925E-04	Pulse	0.25	3
Cd	111	115	2	2.170	ug/l	6.96	1,070.72	1.108E-03	Pulse	0.25	3
Sn	117	115	1	19.697	ug/l	0.50	25,751.87	5.793E-03	Pulse	0.10	3
Sn	118	115	1	19.539	ug/l	0.75	82,753.71	1.862E-02	Pulse	0.10	3
Sn	118	115	2	22.307	ug/l	7.89	24,950.44	2.585E-02	Pulse	0.10	3
Sn	119	115	1	19.608	ug/l	2.12	30,129.56	6.778E-03	Pulse	0.10	3
Sb	121	159	1	1.155	ug/l	3.25	5,407.82	6.577E-04	Pulse	0.10	3
Ba	137	159	1	67.912	ug/l	1.20	158,255.67	1.925E-02	Pulse	0.10	3
Tl	205	209	1	0.260	ug/l	8.87	4,314.14	8.544E-04	Pulse	0.10	3
Pb	208	209	1	49.662	ug/l	0.23	984,609.14	1.950E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,336,228.31	0.42	93.4	Analog	0.10	3
1	Sc	45	2,254,592.00	0.52	94.9	Analog	0.10	3
2	Sc	45	117,928.67	9.29	86.8	Pulse	0.10	3
3	Sc	45	235,948.85	1.16	99.4	Pulse	0.10	3
1	Ge	72	475,168.38	0.67	96.9	Pulse	0.10	3
2	Ge	72	74,171.26	8.25	91.9	Pulse	0.10	3
3	Ge	72	121,607.67	2.31	102.9	Pulse	0.10	3
1	Rh	103	3,635,838.07	0.61	101.7	Analog	0.10	3
2	Rh	103	2,118,660.70	8.91	95.9	Analog	0.10	3
1	In	115	4,445,205.97	0.41	109.2	Analog	0.10	3
2	In	115	969,394.56	8.36	93.0	Pulse	0.10	3
1	Tb	159	8,221,700.30	0.68	117.3	Analog	0.10	3
2	Tb	159	4,328,743.06	7.98	103.8	Analog	0.10	3
1	Ho	165	8,066,780.92	0.67	118.6	Analog	0.10	3
2	Ho	165	4,369,673.17	8.34	106.0	Analog	0.10	3
1	Bi	209	5,048,950.97	0.10	115.4	Analog	0.10	3
2	Bi	209	3,097,188.39	7.51	104.9	Analog	0.10	3

Quantitation Report

File Name	032SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 18:48
Sample Name	C25285-2conf
Sample Type	Sample
Comment	8
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.013	ug/l	50.89	21.33	1.610E-05	Pulse	0.25	3
B	11	6	1	53.040	ug/l	2.36	64,323.77	4.855E-02	Pulse	0.15	3
Na	23	45	1	6802.913	ug/l	0.94	32,747,294.51	1.465E+01	Analog	0.10	3
Na	23	45	2	7507.318	ug/l	1.55	1,379,568.37	1.132E+01	Analog	0.20	3
Mg	24	45	1	2567.658	ug/l	0.95	8,179,200.29	3.660E+00	Analog	0.10	3
Mg	24	45	2	2642.593	ug/l	1.26	244,903.56	2.010E+00	Pulse	0.20	3
Al	27	45	1	275.888	ug/l	1.02	1,170,813.34	5.239E-01	Pulse	0.10	3
Al	27	45	2	281.204	ug/l	2.38	9,701.30	7.958E-02	Pulse	0.20	3
K	39	45	1	2492.198	ug/l	0.53	14,244,087.71	6.374E+00	Analog	0.10	3
K	39	45	2	2476.502	ug/l	2.00	225,052.24	1.847E+00	Pulse	0.20	3
Ca	43	45	1	12422.777	ug/l	0.17	135,588.22	6.068E-02	Pulse	1.50	3
Ca	43	45	2	12257.248	ug/l	3.50	3,652.41	2.997E-02	Pulse	1.50	3
Ca	44	45	1	12632.454	ug/l	0.12	2,238,128.25	1.002E+00	Analog	0.10	3
Ca	44	45	2	12497.778	ug/l	1.73	61,411.43	5.039E-01	Pulse	0.20	3
Ti	47	45	1	13.892	ug/l	6.78	7,528.73	3.370E-03	Pulse	0.10	3
Ti	47	45	2	13.321	ug/l	9.17	468.35	3.840E-03	Pulse	0.20	3
V	51	45	2	5.145	ug/l	4.26	5,337.64	4.381E-02	Pulse	0.20	3
Cr	52	45	2	20.528	ug/l	2.37	27,294.47	2.239E-01	Pulse	0.20	3
Mn	55	45	2	30.534	ug/l	1.39	22,612.43	1.855E-01	Pulse	0.20	3
Fe	56	45	2	1676.001	ug/l	1.79	1,721,802.63	1.413E+01	Analog	0.20	3
Co	59	45	2	1.034	ug/l	4.13	2,025.17	1.661E-02	Pulse	0.20	3
Ni	60	45	2	16.818	ug/l	3.44	8,692.44	7.134E-02	Pulse	0.20	3
Cu	63	45	2	17.942	ug/l	2.07	24,814.02	2.036E-01	Pulse	0.20	3
Cu	65	45	2	18.075	ug/l	2.76	12,273.12	1.007E-01	Pulse	0.20	3
Zn	66	45	2	1174.475	ug/l	1.83	282,438.97	2.318E+00	Pulse	0.20	3
As	75	45	2	2.336	ug/l	8.48	356.68	2.923E-03	Pulse	0.50	3
Se	78	45	2	0.391	ug/l	44.01	12.00	9.832E-05	Pulse	1.00	3
Se	78	45	3	0.136	ug/l	17.26	7.33	3.025E-05	Pulse	1.00	3
Sr	88	45	1	98.009	ug/l	0.59	1,219,985.32	5.459E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.901	ug/l	11.67	2,140.24	5.906E-04	Pulse	0.10	3
Ag	107	115	1	0.129	ug/l	9.79	806.72	1.817E-04	Pulse	0.10	3
Cd	111	115	1	2.257	ug/l	2.40	3,053.67	6.878E-04	Pulse	0.25	3
Cd	111	115	2	2.177	ug/l	8.00	1,121.39	1.111E-03	Pulse	0.25	3
Sn	117	115	1	9.356	ug/l	1.39	12,255.29	2.760E-03	Pulse	0.10	3
Sn	118	115	1	9.297	ug/l	4.16	39,477.06	8.890E-03	Pulse	0.10	3
Sn	118	115	2	9.966	ug/l	0.70	11,688.07	1.158E-02	Pulse	0.10	3
Sn	119	115	1	9.158	ug/l	4.34	14,116.82	3.180E-03	Pulse	0.10	3
Sb	121	159	1	0.648	ug/l	3.62	3,087.08	3.773E-04	Pulse	0.10	3
Ba	137	159	1	34.358	ug/l	0.70	79,979.27	9.775E-03	Pulse	0.10	3
Tl	205	209	1	0.191	ug/l	6.39	3,317.17	6.627E-04	Pulse	0.10	3
Pb	208	209	1	18.023	ug/l	0.04	354,608.18	7.084E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,324,943.82	0.23	92.6	Analog	0.10	3
1	Sc	45	2,234,638.46	0.35	94.1	Analog	0.10	3
2	Sc	45	121,891.78	1.88	89.7	Pulse	0.10	3
3	Sc	45	242,633.48	1.28	102.2	Pulse	0.10	3
1	Ge	72	479,092.78	0.37	97.7	Pulse	0.10	3
2	Ge	72	77,635.27	0.84	96.2	Pulse	0.10	3
3	Ge	72	123,150.26	0.76	104.2	Pulse	0.10	3
1	Rh	103	3,624,000.78	0.13	101.4	Analog	0.10	3
2	Rh	103	2,189,752.00	0.30	99.1	Analog	0.10	3
1	In	115	4,440,010.17	0.61	109.0	Analog	0.10	3
2	In	115	1,009,373.22	0.48	96.9	Pulse	0.10	3
1	Tb	159	8,181,309.67	0.93	116.7	Analog	0.10	3
2	Tb	159	4,534,042.85	0.50	108.7	Analog	0.10	3
1	Ho	165	8,006,300.71	1.22	117.8	Analog	0.10	3
2	Ho	165	4,553,342.01	0.18	110.5	Analog	0.10	3
1	Bi	209	5,005,621.80	0.27	114.4	Analog	0.10	3
2	Bi	209	3,202,424.64	0.47	108.5	Analog	0.10	3

Quantitation Report

File Name	033SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 18:53
Sample Name	C25285-3conf
Sample Type	Sample
Comment	9
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.109	ug/l	27.20	134.67	1.088E-04	Pulse	0.25	3
B	11	6	1	98.001	ug/l	1.28	110,137.11	8.903E-02	Pulse	0.15	3
Na	23	45	1	101136.094	ug/l	0.50	483,934,152.79	2.172E+02	Analog	0.10	3
Na	23	45	2	114647.758	ug/l	0.80	21,688,070.51	1.724E+02	Analog	0.20	3
Mg	24	45	1	5986.251	ug/l	0.30	19,012,878.05	8.532E+00	Analog	0.10	3
Mg	24	45	2	6118.512	ug/l	1.11	585,141.48	4.652E+00	Pulse	0.20	3
Al	27	45	1	2971.064	ug/l	0.28	12,526,831.48	5.621E+00	Analog	0.10	3
Al	27	45	2	2965.303	ug/l	0.94	105,297.86	8.371E-01	Pulse	0.20	3
K	39	45	1	17017.796	ug/l	0.72	93,864,678.60	4.212E+01	Analog	0.10	3
K	39	45	2	17230.458	ug/l	1.71	1,591,562.74	1.265E+01	Analog	0.20	3
Ca	43	45	1	57251.819	ug/l	0.73	623,000.60	2.796E-01	Pulse	1.50	3
Ca	43	45	2	56046.968	ug/l	3.70	17,067.78	1.357E-01	Pulse	1.50	3
Ca	44	45	1	57975.811	ug/l	1.07	10,237,657.98	4.594E+00	Analog	0.10	3
Ca	44	45	2	57788.529	ug/l	1.03	293,019.69	2.330E+00	Pulse	0.20	3
Ti	47	45	1	179.974	ug/l	2.56	96,533.98	4.332E-02	Pulse	0.10	3
Ti	47	45	2	190.978	ug/l	2.63	6,924.90	5.506E-02	Pulse	0.20	3
V	51	45	2	265.655	ug/l	1.96	270,895.26	2.154E+00	Pulse	0.20	3
Cr	52	45	2	241.490	ug/l	1.77	321,382.10	2.555E+00	Pulse	0.20	3
Mn	55	45	2	302.294	ug/l	1.00	230,997.15	1.837E+00	Pulse	0.20	3
Fe	56	45	2	17978.872	ug/l	2.26	19,044,078.05	1.514E+02	Analog	0.20	3
Co	59	45	2	13.947	ug/l	2.35	27,927.29	2.221E-01	Pulse	0.20	3
Ni	60	45	2	212.325	ug/l	1.24	112,020.35	8.906E-01	Pulse	0.20	3
Cu	63	45	2	206.268	ug/l	2.07	293,336.56	2.332E+00	Pulse	0.20	3
Cu	65	45	2	205.743	ug/l	1.86	143,775.16	1.143E+00	Pulse	0.20	3
Zn	66	45	2	10098.542	ug/l	1.90	2,505,918.40	1.993E+01	Analog	0.20	3
As	75	45	2	65.523	ug/l	3.22	9,985.11	7.941E-02	Pulse	0.50	3
Se	78	45	2	1.594	ug/l	14.58	30.67	2.435E-04	Pulse	1.00	3
Se	78	45	3	1.275	ug/l	16.84	65.33	2.711E-04	Pulse	1.00	3
Sr	88	45	1	341.200	ug/l	0.69	4,234,744.83	1.900E+00	Analog	0.10	3
Mo	95	103	1	4.021	ug/l	3.52	8,772.80	2.580E-03	Pulse	0.10	3
Ag	107	115	1	0.360	ug/l	8.82	2,016.87	4.748E-04	Pulse	0.10	3
Cd	111	115	1	12.618	ug/l	2.40	16,293.88	3.834E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	13.800	ug/l	0.87	6,945.63	7.032E-03	Pulse	0.25	3
Sn	117	115	1	204.117	ug/l	0.32	254,512.78	5.988E-02	Pulse	0.10	3
Sn	118	115	1	204.245	ug/l	0.83	824,621.53	1.940E-01	Pulse	0.10	3
Sn	118	115	2	219.817	ug/l	1.16	251,115.81	2.543E-01	Pulse	0.10	3
Sn	119	115	1	205.439	ug/l	0.84	300,759.32	7.076E-02	Pulse	0.10	3
Sb	121	159	1	4.198	ug/l	2.29	18,294.55	2.340E-03	Pulse	0.10	3
Ba	137	159	1	199.854	ug/l	2.07	441,735.44	5.650E-02	Pulse	0.10	3
Tl	205	209	1	0.212	ug/l	13.24	3,343.85	7.211E-04	Pulse	0.10	3
Pb	208	209	1	242.300	ug/l	0.85	4,409,063.91	9.510E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,237,148.86	0.99	86.4	Analog	0.10	3
1	Sc	45	2,228,474.45	0.88	93.8	Analog	0.10	3
2	Sc	45	125,795.09	1.87	92.6	Pulse	0.10	3
3	Sc	45	241,149.63	1.79	101.6	Pulse	0.10	3
1	Ge	72	458,750.92	0.83	93.6	Pulse	0.10	3
2	Ge	72	77,052.54	1.67	95.5	Pulse	0.10	3
3	Ge	72	119,240.61	1.11	100.9	Pulse	0.10	3
1	Rh	103	3,399,754.43	1.02	95.1	Analog	0.10	3
2	Rh	103	2,084,529.65	0.75	94.3	Analog	0.10	3
1	In	115	4,250,253.77	0.96	104.4	Analog	0.10	3
2	In	115	987,690.09	0.56	94.8	Pulse	0.10	3
1	Tb	159	7,819,687.59	0.71	111.5	Analog	0.10	3
2	Tb	159	4,367,024.93	0.47	104.7	Analog	0.10	3
1	Ho	165	7,756,282.38	0.78	114.1	Analog	0.10	3
2	Ho	165	4,346,154.94	0.57	105.4	Analog	0.10	3
1	Bi	209	4,636,026.18	0.85	106.0	Analog	0.10	3
2	Bi	209	2,938,875.69	0.62	99.6	Analog	0.10	3

Quantitation Report

File Name	034SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 18:58
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	49.246	ug/l	3.78	145,156.78	9.470E-02	Pulse	0.25	3
B	11	6	1	52.585	ug/l	2.92	146,384.79	9.548E-02	Pulse	0.15	3
Na	23	45	1	4731.243	ug/l	3.31	54,387,849.19	2.036E+01	Analog	0.10	3
Na	23	45	2	5099.912	ug/l	0.53	2,265,298.20	1.537E+01	Analog	0.20	3
Mg	24	45	1	4795.766	ug/l	3.19	36,509,761.13	1.367E+01	Analog	0.10	3
Mg	24	45	2	4880.402	ug/l	0.49	1,093,776.57	7.420E+00	Pulse	0.20	3
Al	27	45	1	4788.531	ug/l	3.48	48,382,017.61	1.811E+01	Analog	0.10	3
Al	27	45	2	4786.660	ug/l	0.35	398,274.49	2.702E+00	Pulse	0.20	3
K	39	45	1	4922.027	ug/l	3.26	65,345,210.69	2.447E+01	Analog	0.10	3
K	39	45	2	4919.852	ug/l	0.22	1,067,249.57	7.241E+00	Pulse	0.20	3
Ca	43	45	1	4964.384	ug/l	3.63	129,522.37	4.850E-02	Pulse	1.50	3
Ca	43	45	2	4859.535	ug/l	2.16	3,513.93	2.384E-02	Pulse	1.50	3
Ca	44	45	1	5052.767	ug/l	3.47	2,140,327.99	8.014E-01	Analog	0.10	3
Ca	44	45	2	5005.435	ug/l	1.82	59,504.48	4.037E-01	Pulse	0.20	3
Ti	47	45	1	47.614	ug/l	4.76	61,244.12	2.294E-02	Pulse	0.10	3
Ti	47	45	2	50.981	ug/l	3.89	4,332.32	2.940E-02	Pulse	0.20	3
V	51	45	2	53.601	ug/l	0.41	128,305.23	8.705E-01	Pulse	0.20	3
Cr	52	45	2	52.219	ug/l	0.94	163,500.94	1.109E+00	Pulse	0.20	3
Mn	55	45	2	51.232	ug/l	1.85	91,752.91	6.225E-01	Pulse	0.20	3
Fe	56	45	2	5104.535	ug/l	1.11	12,675,038.98	8.599E+01	Analog	0.20	3
Co	59	45	2	51.927	ug/l	1.23	243,583.49	1.653E+00	Pulse	0.20	3
Ni	60	45	2	51.327	ug/l	1.37	63,532.16	4.310E-01	Pulse	0.20	3
Cu	63	45	2	50.596	ug/l	0.95	168,727.75	1.145E+00	Pulse	0.20	3
Cu	65	45	2	50.352	ug/l	1.50	82,492.74	5.597E-01	Pulse	0.20	3
Zn	66	45	2	51.543	ug/l	1.11	30,022.87	2.037E-01	Pulse	0.20	3
As	75	45	2	52.963	ug/l	1.43	18,913.01	1.283E-01	Pulse	0.50	3
Se	78	45	2	49.588	ug/l	0.13	1,771.43	1.202E-02	Pulse	1.00	3
Se	78	45	3	49.568	ug/l	1.22	6,034.80	2.097E-02	Pulse	1.00	3
Sr	88	45	1	53.731	ug/l	4.07	1,598,482.74	5.986E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	48.918	ug/l	2.91	259,226.25	6.240E-02	Pulse	0.10	3
Ag	107	115	1	47.202	ug/l	3.24	594,254.47	1.198E-01	Pulse	0.10	3
Cd	111	115	1	48.886	ug/l	2.99	147,302.04	2.969E-02	Pulse	0.25	3
Cd	111	115	2	52.070	ug/l	1.37	60,580.87	5.305E-02	Pulse	0.25	3
Sn	117	115	1	50.967	ug/l	3.03	148,370.90	2.991E-02	Pulse	0.10	3
Sn	118	115	1	51.204	ug/l	3.85	482,590.04	9.731E-02	Pulse	0.10	3
Sn	118	115	2	54.194	ug/l	0.88	143,206.25	1.254E-01	Pulse	0.10	3
Sn	119	115	1	51.621	ug/l	3.51	176,426.13	3.557E-02	Pulse	0.10	3
Sb	121	159	1	56.906	ug/l	2.67	551,830.05	6.294E-02	Pulse	0.10	3
Ba	137	159	1	50.059	ug/l	3.10	248,452.16	2.834E-02	Pulse	0.10	3
Tl	205	209	1	54.280	ug/l	2.70	1,573,259.14	3.003E-01	Analog	0.10	3
Pb	208	209	1	50.354	ug/l	3.15	2,070,907.92	3.953E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,534,008.63	3.27	107.2	Analog	0.10	3
1	Sc	45	2,672,679.02	3.22	112.5	Analog	0.10	3
2	Sc	45	147,398.98	0.51	108.5	Pulse	0.10	3
3	Sc	45	287,803.25	0.79	121.2	Pulse	0.10	3
1	Ge	72	554,181.90	1.94	113.1	Pulse	0.10	3
2	Ge	72	91,888.74	0.36	113.9	Pulse	0.10	3
3	Ge	72	139,570.31	0.70	118.1	Pulse	0.10	3
1	Rh	103	4,156,004.31	2.51	116.3	Analog	0.10	3
2	Rh	103	2,490,483.45	0.68	112.7	Analog	0.10	3
1	In	115	4,963,128.56	3.07	121.9	Analog	0.10	3
2	In	115	1,142,019.42	0.72	109.6	Pulse	0.10	3
1	Tb	159	8,772,824.25	3.26	125.1	Analog	0.10	3
2	Tb	159	4,837,305.86	0.95	116.0	Analog	0.10	3
1	Ho	165	8,563,452.79	2.90	126.0	Analog	0.10	3
2	Ho	165	4,828,228.99	1.27	117.1	Analog	0.10	3
1	Bi	209	5,241,110.03	2.79	119.8	Analog	0.10	3
2	Bi	209	3,331,968.91	0.90	112.9	Analog	0.10	3

Quantitation Report

File Name	035SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 19:03
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.002	ug/l	96.88	10.67	6.670E-06	Pulse	0.25	3
B	11	6	1	1.125	ug/l	8.96	4,502.95	2.820E-03	Pulse	0.15	3
Na	23	45	1	-0.363	ug/l	-40.28	133,930.00	4.929E-02	Pulse	0.10	3
Na	23	45	2	3.418	ug/l	13.22	6,351.34	4.216E-02	Pulse	0.20	3
Mg	24	45	1	-0.086	ug/l	-23.03	2,223.57	8.182E-04	Pulse	0.10	3
Mg	24	45	2	-0.057	ug/l	-177.30	96.67	6.412E-04	Pulse	0.20	3
Al	27	45	1	-0.067	ug/l	-61.04	5,201.04	1.914E-03	Pulse	0.10	3
Al	27	45	2	0.332	ug/l	100.65	61.67	4.086E-04	Pulse	0.20	3
K	39	45	1	-0.476	ug/l	-31.53	649,653.02	2.391E-01	Pulse	0.10	3
K	39	45	2	1.608	ug/l	57.50	5,262.59	3.494E-02	Pulse	0.20	3
Ca	43	45	1	0.423	ug/l	75.87	67.33	2.480E-05	Pulse	1.50	3
Ca	43	45	2	-73.325	ug/l	-2.57	1.78	1.176E-05	Pulse	1.50	3
Ca	44	45	1	-1.489	ug/l	-25.26	1,440.11	5.301E-04	Pulse	0.10	3
Ca	44	45	2	0.249	ug/l	671.85	23.33	1.554E-04	Pulse	0.20	3
Ti	47	45	1	-0.004	ug/l	-545.64	70.00	2.572E-05	Pulse	0.10	3
Ti	47	45	2	0.038	ug/l	173.21	3.33	2.218E-05	Pulse	0.20	3
V	51	45	2	0.002	ug/l	474.54	326.68	2.169E-03	Pulse	0.20	3
Cr	52	45	2	-0.044	ug/l	-25.19	968.38	6.430E-03	Pulse	0.20	3
Mn	55	45	2	0.021	ug/l	39.05	45.00	2.991E-04	Pulse	0.20	3
Fe	56	45	2	0.507	ug/l	15.53	3,310.39	2.198E-02	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	460.02	30.00	1.992E-04	Pulse	0.20	3
Ni	60	45	2	-0.002	ug/l	-1170.54	126.67	8.414E-04	Pulse	0.20	3
Cu	63	45	2	-0.001	ug/l	-745.72	116.67	7.755E-04	Pulse	0.20	3
Cu	65	45	2	0.005	ug/l	503.24	53.33	3.544E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.163	ug/l	32.95	140.00	9.286E-04	Pulse	0.20	3
As	75	45	2	0.021	ug/l	26.20	22.00	1.460E-04	Pulse	0.50	3
Se	78	45	2	0.081	ug/l	125.68	10.67	7.072E-05	Pulse	1.00	3
Se	78	45	3	0.044	ug/l	43.95	5.67	1.982E-05	Pulse	1.00	3
Sr	88	45	1	0.002	ug/l	145.41	490.03	1.805E-04	Pulse	0.10	3
Mo	95	103	1	0.054	ug/l	25.90	370.01	8.487E-05	Pulse	0.10	3
Ag	107	115	1	0.000	ug/l	731.82	96.67	1.888E-05	Pulse	0.10	3
Cd	111	115	1	0.005	ug/l	178.83	26.67	5.224E-06	Pulse	0.25	3
Cd	111	115	2	0.004	ug/l	161.03	8.00	6.703E-06	Pulse	0.25	3
Sn	117	115	1	0.562	ug/l	7.78	1,770.17	3.460E-04	Pulse	0.10	3
Sn	118	115	1	0.538	ug/l	4.58	5,547.84	1.084E-03	Pulse	0.10	3
Sn	118	115	2	0.559	ug/l	7.35	1,600.13	1.348E-03	Pulse	0.10	3
Sn	119	115	1	0.572	ug/l	9.61	2,153.57	4.208E-04	Pulse	0.10	3
Sb	121	159	1	0.094	ug/l	11.22	1,096.75	1.237E-04	Pulse	0.10	3
Ba	137	159	1	0.015	ug/l	62.59	750.05	8.459E-05	Pulse	0.10	3
Tl	205	209	1	0.034	ug/l	7.16	1,743.50	3.215E-04	Pulse	0.10	3
Pb	208	209	1	0.003	ug/l	63.36	733.37	1.353E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,596,830.92	0.53	111.6	Analog	0.10	3
1	Sc	45	2,716,803.60	0.58	114.4	Analog	0.10	3
2	Sc	45	150,630.36	0.63	110.9	Pulse	0.10	3
3	Sc	45	285,994.54	0.33	120.4	Pulse	0.10	3
1	Ge	72	571,084.76	0.86	116.5	Pulse	0.10	3
2	Ge	72	94,359.82	2.41	116.9	Pulse	0.10	3
3	Ge	72	144,140.32	0.25	121.9	Pulse	0.10	3
1	Rh	103	4,359,323.17	0.37	121.9	Analog	0.10	3
2	Rh	103	2,614,303.04	1.11	118.3	Analog	0.10	3
1	In	115	5,117,162.36	0.58	125.7	Analog	0.10	3
2	In	115	1,187,212.89	0.82	113.9	Pulse	0.10	3
1	Tb	159	8,867,584.04	0.40	126.5	Analog	0.10	3
2	Tb	159	4,923,772.22	0.39	118.0	Analog	0.10	3
1	Ho	165	8,667,820.50	0.25	127.5	Analog	0.10	3
2	Ho	165	4,902,987.12	0.39	118.9	Analog	0.10	3
1	Bi	209	5,422,445.96	0.72	123.9	Analog	0.10	3
2	Bi	209	3,531,790.26	0.26	119.6	Analog	0.10	3

Quantitation Report

File Name	036SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 19:08
Sample Name	C25285-4conf
Sample Type	Sample
Comment	10
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.095	ug/l	5.61	121.33	9.459E-05	Pulse	0.25	3
B	11	6	1	83.461	ug/l	2.03	97,414.91	7.594E-02	Pulse	0.15	3
Na	23	45	1	38499.921	ug/l	0.87	184,981,197.25	8.270E+01	Analog	0.10	3
Na	23	45	2	43782.009	ug/l	0.98	8,198,426.96	6.586E+01	Analog	0.20	3
Mg	24	45	1	4452.965	ug/l	0.79	14,197,437.29	6.347E+00	Analog	0.10	3
Mg	24	45	2	4572.290	ug/l	1.17	432,732.38	3.476E+00	Pulse	0.20	3
Al	27	45	1	2952.366	ug/l	0.47	12,495,017.31	5.586E+00	Analog	0.10	3
Al	27	45	2	2926.451	ug/l	2.18	102,824.05	8.261E-01	Pulse	0.20	3
K	39	45	1	7341.462	ug/l	0.84	40,951,158.56	1.831E+01	Analog	0.10	3
K	39	45	2	7213.282	ug/l	1.33	661,762.10	5.317E+00	Pulse	0.20	3
Ca	43	45	1	41423.563	ug/l	0.53	452,458.65	2.023E-01	Pulse	1.50	3
Ca	43	45	2	39809.387	ug/l	1.02	12,015.41	9.652E-02	Pulse	1.50	3
Ca	44	45	1	41848.254	ug/l	0.35	7,417,874.06	3.316E+00	Analog	0.10	3
Ca	44	45	2	41489.315	ug/l	1.28	208,199.16	1.673E+00	Pulse	0.20	3
Ti	47	45	1	186.663	ug/l	0.95	100,503.07	4.493E-02	Pulse	0.10	3
Ti	47	45	2	194.441	ug/l	1.72	6,978.27	5.606E-02	Pulse	0.20	3
V	51	45	2	244.006	ug/l	1.13	246,290.42	1.979E+00	Pulse	0.20	3
Cr	52	45	2	226.514	ug/l	1.39	298,397.49	2.397E+00	Pulse	0.20	3
Mn	55	45	2	299.025	ug/l	2.33	226,108.74	1.817E+00	Pulse	0.20	3
Fe	56	45	2	24965.782	ug/l	2.17	26,171,084.61	2.103E+02	Analog	0.20	3
Co	59	45	2	17.778	ug/l	2.80	35,224.58	2.830E-01	Pulse	0.20	3
Ni	60	45	2	172.450	ug/l	1.92	90,053.16	7.235E-01	Pulse	0.20	3
Cu	63	45	2	183.792	ug/l	1.47	258,705.07	2.078E+00	Pulse	0.20	3
Cu	65	45	2	185.004	ug/l	1.17	127,956.02	1.028E+00	Pulse	0.20	3
Zn	66	45	2	8740.640	ug/l	1.64	2,146,540.64	1.725E+01	Analog	0.20	3
As	75	45	2	39.662	ug/l	1.64	5,987.81	4.810E-02	Pulse	0.50	3
Se	78	45	2	1.064	ug/l	29.55	22.33	1.795E-04	Pulse	1.00	3
Se	78	45	3	0.685	ug/l	8.67	35.67	1.464E-04	Pulse	1.00	3
Sr	88	45	1	231.947	ug/l	0.87	2,889,597.98	1.292E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	2.312	ug/l	0.98	5,181.04	1.490E-03	Pulse	0.10	3
Ag	107	115	1	0.490	ug/l	1.56	2,723.68	6.397E-04	Pulse	0.10	3
Cd	111	115	1	11.999	ug/l	0.32	15,526.48	3.646E-03	Pulse	0.25	3
Cd	111	115	2	12.739	ug/l	0.81	6,472.08	6.492E-03	Pulse	0.25	3
Sn	117	115	1	120.042	ug/l	1.98	149,991.61	3.522E-02	Pulse	0.10	3
Sn	118	115	1	120.652	ug/l	1.65	488,130.42	1.146E-01	Pulse	0.10	3
Sn	118	115	2	129.475	ug/l	0.86	149,312.24	1.498E-01	Pulse	0.10	3
Sn	119	115	1	120.806	ug/l	1.05	177,226.21	4.162E-02	Pulse	0.10	3
Sb	121	159	1	3.014	ug/l	2.54	13,452.97	1.685E-03	Pulse	0.10	3
Ba	137	159	1	178.272	ug/l	1.19	402,296.19	5.040E-02	Pulse	0.10	3
Tl	205	209	1	0.143	ug/l	10.40	2,510.32	5.292E-04	Pulse	0.10	3
Pb	208	209	1	221.131	ug/l	0.16	4,116,821.48	8.680E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,282,879.10	0.36	89.6	Analog	0.10	3
1	Sc	45	2,236,877.57	0.37	94.2	Analog	0.10	3
2	Sc	45	124,487.61	1.52	91.7	Pulse	0.10	3
3	Sc	45	243,510.09	1.31	102.6	Pulse	0.10	3
1	Ge	72	466,509.86	0.62	95.2	Pulse	0.10	3
2	Ge	72	77,447.73	0.91	96.0	Pulse	0.10	3
3	Ge	72	120,963.09	0.60	102.3	Pulse	0.10	3
1	Rh	103	3,476,971.51	0.99	97.3	Analog	0.10	3
2	Rh	103	2,122,484.08	0.62	96.0	Analog	0.10	3
1	In	115	4,258,425.59	1.13	104.6	Analog	0.10	3
2	In	115	996,924.77	1.22	95.7	Pulse	0.10	3
1	Tb	159	7,982,050.30	0.70	113.9	Analog	0.10	3
2	Tb	159	4,432,402.22	0.66	106.3	Analog	0.10	3
1	Ho	165	7,786,662.17	0.25	114.5	Analog	0.10	3
2	Ho	165	4,430,144.00	0.48	107.5	Analog	0.10	3
1	Bi	209	4,743,142.64	0.54	108.4	Analog	0.10	3
2	Bi	209	3,020,816.20	0.08	102.3	Analog	0.10	3

Quantitation Report

File Name	037SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 19:13
Sample Name	C25285-5conf
Sample Type	Sample
Comment	11
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.053	ug/l	31.89	77.33	5.498E-05	Pulse	0.25	3
B	11	6	1	55.693	ug/l	1.50	71,684.09	5.094E-02	Pulse	0.15	3
Na	23	45	1	508.623	ug/l	0.52	2,665,970.59	1.143E+00	Analog	0.10	3
Na	23	45	2	514.612	ug/l	0.79	105,266.11	8.057E-01	Pulse	0.20	3
Mg	24	45	1	2.894	ug/l	4.90	12,101.51	5.186E-03	Pulse	0.10	3
Mg	24	45	2	2.819	ug/l	16.31	375.01	2.871E-03	Pulse	0.20	3
Al	27	45	1	8.209	ug/l	1.40	41,285.00	1.769E-02	Pulse	0.10	3
Al	27	45	2	8.212	ug/l	18.95	331.68	2.539E-03	Pulse	0.20	3
K	39	45	1	2.241	ug/l	71.40	576,158.00	2.470E-01	Pulse	0.10	3
K	39	45	2	4.410	ug/l	31.37	4,679.08	3.582E-02	Pulse	0.20	3
Ca	43	45	1	137.175	ug/l	1.30	1,610.97	6.904E-04	Pulse	1.50	3
Ca	43	45	2	-0.917	ug/l	-2583.29	47.56	3.638E-04	Pulse	1.50	3
Ca	44	45	1	130.132	ug/l	3.31	25,834.23	1.108E-02	Pulse	0.10	3
Ca	44	45	2	124.217	ug/l	6.77	671.70	5.143E-03	Pulse	0.20	3
Ti	47	45	1	0.312	ug/l	20.68	240.01	1.029E-04	Pulse	0.10	3
Ti	47	45	2	0.266	ug/l	50.33	10.00	7.668E-05	Pulse	0.20	3
V	51	45	2	1.156	ug/l	6.03	1,501.77	1.150E-02	Pulse	0.20	3
Cr	52	45	2	2.663	ug/l	9.24	4,632.40	3.544E-02	Pulse	0.20	3
Mn	55	45	2	0.235	ug/l	22.08	191.67	1.466E-03	Pulse	0.20	3
Fe	56	45	2	19.152	ug/l	4.52	22,827.74	1.747E-01	Pulse	0.20	3
Co	59	45	2	0.009	ug/l	1.40	40.00	3.062E-04	Pulse	0.20	3
Ni	60	45	2	0.333	ug/l	27.91	295.01	2.256E-03	Pulse	0.20	3
Cu	63	45	2	3.964	ug/l	2.92	5,959.53	4.561E-02	Pulse	0.20	3
Cu	65	45	2	3.792	ug/l	5.10	2,790.30	2.136E-02	Pulse	0.20	3
Zn	66	45	2	11.636	ug/l	1.72	3,037.01	2.324E-02	Pulse	0.20	3
As	75	45	2	0.140	ug/l	32.57	34.67	2.656E-04	Pulse	0.50	3
Se	78	45	2	0.126	ug/l	101.95	8.67	6.626E-05	Pulse	1.00	3
Se	78	45	3	0.074	ug/l	14.37	4.33	1.711E-05	Pulse	1.00	3
Sr	88	45	1	0.253	ug/l	7.88	3,643.90	1.562E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.426	ug/l	21.19	1,093.43	2.873E-04	Pulse	0.10	3
Ag	107	115	1	0.068	ug/l	9.19	476.70	1.049E-04	Pulse	0.10	3
Cd	111	115	1	0.013	ug/l	39.48	28.00	6.164E-06	Pulse	0.25	3
Cd	111	115	2	-0.003	ug/l	-171.77	1.33	1.273E-06	Pulse	0.25	3
Sn	117	115	1	3.132	ug/l	5.99	4,247.42	9.350E-04	Pulse	0.10	3
Sn	118	115	1	2.977	ug/l	4.68	13,122.57	2.889E-03	Pulse	0.10	3
Sn	118	115	2	2.375	ug/l	6.71	2,950.39	2.801E-03	Pulse	0.10	3
Sn	119	115	1	3.203	ug/l	7.23	5,131.03	1.130E-03	Pulse	0.10	3
Sb	121	159	1	0.096	ug/l	22.79	596.71	7.222E-05	Pulse	0.10	3
Ba	137	159	1	0.223	ug/l	9.15	1,146.75	1.388E-04	Pulse	0.10	3
Tl	205	209	1	0.084	ug/l	21.88	1,870.22	3.674E-04	Pulse	0.10	3
Pb	208	209	1	0.048	ug/l	18.35	1,533.43	3.013E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,407,352.30	0.53	98.3	Analog	0.10	3
1	Sc	45	2,333,071.00	1.16	98.2	Analog	0.10	3
2	Sc	45	130,653.82	0.68	96.2	Pulse	0.10	3
3	Sc	45	253,233.81	0.23	106.7	Pulse	0.10	3
1	Ge	72	503,569.97	0.51	102.7	Pulse	0.10	3
2	Ge	72	82,817.99	1.03	102.6	Pulse	0.10	3
3	Ge	72	127,567.49	0.56	107.9	Pulse	0.10	3
1	Rh	103	3,807,562.03	0.58	106.5	Analog	0.10	3
2	Rh	103	2,304,581.53	0.69	104.3	Analog	0.10	3
1	In	115	4,542,998.92	0.41	111.6	Analog	0.10	3
2	In	115	1,053,259.12	0.62	101.1	Pulse	0.10	3
1	Tb	159	8,261,495.09	0.25	117.9	Analog	0.10	3
2	Tb	159	4,613,737.01	0.49	110.6	Analog	0.10	3
1	Ho	165	8,106,068.00	0.97	119.2	Analog	0.10	3
2	Ho	165	4,610,469.73	1.18	111.8	Analog	0.10	3
1	Bi	209	5,087,305.24	0.79	116.3	Analog	0.10	3
2	Bi	209	3,286,858.08	0.23	111.3	Analog	0.10	3

Quantitation Report

File Name	038SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 19:19
Sample Name	C25285-6conf
Sample Type	Sample
Comment	12
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.072	ug/l	23.33	101.33	7.289E-05	Pulse	0.25	3
B	11	6	1	76.011	ug/l	0.70	96,312.73	6.923E-02	Pulse	0.15	3
Na	23	45	1	10150.898	ug/l	1.39	50,572,984.25	2.184E+01	Analog	0.10	3
Na	23	45	2	10785.765	ug/l	0.67	2,127,018.04	1.625E+01	Analog	0.20	3
Mg	24	45	1	411.169	ug/l	1.14	1,359,192.53	5.870E-01	Analog	0.10	3
Mg	24	45	2	411.868	ug/l	1.73	41,075.06	3.138E-01	Pulse	0.20	3
Al	27	45	1	558.062	ug/l	1.49	2,448,830.64	1.058E+00	Analog	0.10	3
Al	27	45	2	548.693	ug/l	2.50	20,297.49	1.551E-01	Pulse	0.20	3
K	39	45	1	2084.955	ug/l	0.91	12,438,999.81	5.372E+00	Analog	0.10	3
K	39	45	2	2021.904	ug/l	0.63	198,136.00	1.514E+00	Pulse	0.20	3
Ca	43	45	1	11779.222	ug/l	0.93	133,217.13	5.753E-02	Pulse	1.50	3
Ca	43	45	2	10852.490	ug/l	3.05	3,478.59	2.658E-02	Pulse	1.50	3
Ca	44	45	1	11855.758	ug/l	1.28	2,176,577.37	9.400E-01	Analog	0.10	3
Ca	44	45	2	11435.606	ug/l	2.21	60,350.68	4.611E-01	Pulse	0.20	3
Ti	47	45	1	28.539	ug/l	2.96	15,961.58	6.893E-03	Pulse	0.10	3
Ti	47	45	2	29.459	ug/l	0.74	1,111.73	8.493E-03	Pulse	0.20	3
V	51	45	2	6.644	ug/l	1.60	7,323.43	5.595E-02	Pulse	0.20	3
Cr	52	45	2	7.101	ug/l	1.36	10,768.70	8.227E-02	Pulse	0.20	3
Mn	55	45	2	39.539	ug/l	2.24	31,445.27	2.402E-01	Pulse	0.20	3
Fe	56	45	2	1208.147	ug/l	1.01	1,333,593.00	1.019E+01	Analog	0.20	3
Co	59	45	2	0.654	ug/l	6.53	1,383.42	1.057E-02	Pulse	0.20	3
Ni	60	45	2	3.462	ug/l	2.78	2,011.83	1.537E-02	Pulse	0.20	3
Cu	63	45	2	9.658	ug/l	3.33	14,396.51	1.100E-01	Pulse	0.20	3
Cu	65	45	2	9.846	ug/l	1.51	7,198.38	5.499E-02	Pulse	0.20	3
Zn	66	45	2	106.379	ug/l	2.34	27,510.01	2.102E-01	Pulse	0.20	3
As	75	45	2	6.599	ug/l	4.74	1,058.04	8.083E-03	Pulse	0.50	3
Se	78	45	2	0.083	ug/l	76.86	8.00	6.112E-05	Pulse	1.00	3
Se	78	45	3	0.098	ug/l	60.20	5.67	2.210E-05	Pulse	1.00	3
Sr	88	45	1	14.645	ug/l	1.11	189,197.21	8.171E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.551	ug/l	4.81	1,376.78	3.670E-04	Pulse	0.10	3
Ag	107	115	1	0.033	ug/l	33.87	270.01	5.974E-05	Pulse	0.10	3
Cd	111	115	1	0.429	ug/l	3.09	600.02	1.327E-04	Pulse	0.25	3
Cd	111	115	2	0.430	ug/l	23.15	234.67	2.215E-04	Pulse	0.25	3
Sn	117	115	1	2.895	ug/l	1.16	3,913.99	8.654E-04	Pulse	0.10	3
Sn	118	115	1	2.787	ug/l	2.41	12,251.84	2.709E-03	Pulse	0.10	3
Sn	118	115	2	2.976	ug/l	3.64	3,703.92	3.496E-03	Pulse	0.10	3
Sn	119	115	1	2.762	ug/l	4.77	4,424.16	9.780E-04	Pulse	0.10	3
Sb	121	159	1	0.346	ug/l	17.62	1,736.83	2.103E-04	Pulse	0.10	3
Ba	137	159	1	14.732	ug/l	2.14	34,963.58	4.235E-03	Pulse	0.10	3
Tl	205	209	1	0.075	ug/l	7.06	1,710.17	3.416E-04	Pulse	0.10	3
Pb	208	209	1	5.521	ug/l	0.90	109,044.50	2.178E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,391,190.77	0.80	97.2	Analog	0.10	3
1	Sc	45	2,315,523.14	0.40	97.5	Analog	0.10	3
2	Sc	45	130,899.79	0.89	96.4	Pulse	0.10	3
3	Sc	45	255,768.76	0.71	107.7	Pulse	0.10	3
1	Ge	72	498,629.03	0.56	101.7	Pulse	0.10	3
2	Ge	72	82,321.54	1.60	102.0	Pulse	0.10	3
3	Ge	72	128,145.21	0.81	108.4	Pulse	0.10	3
1	Rh	103	3,751,765.47	0.50	104.9	Analog	0.10	3
2	Rh	103	2,275,157.36	0.49	102.9	Analog	0.10	3
1	In	115	4,522,804.14	0.50	111.1	Analog	0.10	3
2	In	115	1,059,472.63	0.41	101.7	Pulse	0.10	3
1	Tb	159	8,255,988.84	0.28	117.8	Analog	0.10	3
2	Tb	159	4,608,674.62	0.26	110.5	Analog	0.10	3
1	Ho	165	8,065,559.67	1.22	118.6	Analog	0.10	3
2	Ho	165	4,649,699.20	0.64	112.8	Analog	0.10	3
1	Bi	209	5,007,077.01	0.22	114.5	Analog	0.10	3
2	Bi	209	3,263,037.14	0.57	110.5	Analog	0.10	3

Quantitation Report

File Name	039SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 19:24
Sample Name	C25285-7conf
Sample Type	Sample
Comment	13
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.076	ug/l	20.62	108.00	7.663E-05	Pulse	0.25	3
B	11	6	1	57.252	ug/l	0.76	73,797.12	5.234E-02	Pulse	0.15	3
Na	23	45	1	1548.665	ug/l	0.53	7,937,843.21	3.375E+00	Analog	0.10	3
Na	23	45	2	1584.578	ug/l	1.32	319,337.25	2.415E+00	Pulse	0.20	3
Mg	24	45	1	84.372	ug/l	1.27	285,251.32	1.213E-01	Pulse	0.10	3
Mg	24	45	2	87.069	ug/l	2.37	8,849.14	6.691E-02	Pulse	0.20	3
Al	27	45	1	127.255	ug/l	1.03	571,080.81	2.428E-01	Pulse	0.10	3
Al	27	45	2	120.858	ug/l	5.46	4,540.71	3.433E-02	Pulse	0.20	3
K	39	45	1	387.834	ug/l	1.50	2,812,187.98	1.196E+00	Analog	0.10	3
K	39	45	2	369.241	ug/l	2.16	40,093.44	3.031E-01	Pulse	0.20	3
Ca	43	45	1	2136.278	ug/l	1.00	24,577.50	1.045E-02	Pulse	1.50	3
Ca	43	45	2	1893.174	ug/l	7.33	652.90	4.939E-03	Pulse	1.50	3
Ca	44	45	1	2140.396	ug/l	0.79	400,579.44	1.703E-01	Pulse	0.10	3
Ca	44	45	2	2032.276	ug/l	2.12	10,855.39	8.206E-02	Pulse	0.20	3
Ti	47	45	1	5.773	ug/l	4.98	3,330.47	1.416E-03	Pulse	0.10	3
Ti	47	45	2	4.933	ug/l	13.27	188.34	1.422E-03	Pulse	0.20	3
V	51	45	2	1.820	ug/l	7.34	2,233.53	1.688E-02	Pulse	0.20	3
Cr	52	45	2	2.884	ug/l	6.83	4,997.54	3.778E-02	Pulse	0.20	3
Mn	55	45	2	3.334	ug/l	6.43	2,683.60	2.030E-02	Pulse	0.20	3
Fe	56	45	2	225.824	ug/l	1.60	253,316.14	1.915E+00	Pulse	0.20	3
Co	59	45	2	0.119	ug/l	19.09	271.68	2.057E-03	Pulse	0.20	3
Ni	60	45	2	0.903	ug/l	15.61	615.03	4.645E-03	Pulse	0.20	3
Cu	63	45	2	6.094	ug/l	3.73	9,216.08	6.970E-02	Pulse	0.20	3
Cu	65	45	2	5.848	ug/l	5.43	4,333.99	3.278E-02	Pulse	0.20	3
Zn	66	45	2	23.373	ug/l	3.99	6,137.92	4.640E-02	Pulse	0.20	3
As	75	45	2	0.576	ug/l	28.18	104.67	7.930E-04	Pulse	0.50	3
Se	78	45	2	0.306	ug/l	59.41	11.67	8.803E-05	Pulse	1.00	3
Se	78	45	3	0.140	ug/l	62.14	6.33	3.108E-05	Pulse	1.00	3
Sr	88	45	1	3.753	ug/l	4.11	49,510.53	2.106E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.344	ug/l	5.57	910.06	2.351E-04	Pulse	0.10	3
Ag	107	115	1	0.020	ug/l	70.13	203.34	4.331E-05	Pulse	0.10	3
Cd	111	115	1	0.238	ug/l	0.81	349.34	7.460E-05	Pulse	0.25	3
Cd	111	115	2	0.265	ug/l	17.59	148.00	1.373E-04	Pulse	0.25	3
Sn	117	115	1	0.847	ug/l	11.92	1,240.10	2.648E-04	Pulse	0.10	3
Sn	118	115	1	0.841	ug/l	6.57	4,030.67	8.605E-04	Pulse	0.10	3
Sn	118	115	2	0.897	ug/l	5.00	1,176.75	1.091E-03	Pulse	0.10	3
Sn	119	115	1	0.833	ug/l	6.60	1,470.13	3.139E-04	Pulse	0.10	3
Sb	121	159	1	0.116	ug/l	15.71	703.38	8.347E-05	Pulse	0.10	3
Ba	137	159	1	5.060	ug/l	2.86	12,678.97	1.504E-03	Pulse	0.10	3
Tl	205	209	1	0.058	ug/l	13.41	1,516.81	2.940E-04	Pulse	0.10	3
Pb	208	209	1	1.185	ug/l	2.39	24,562.59	4.761E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,409,981.75	0.78	98.5	Analog	0.10	3
1	Sc	45	2,351,767.73	0.77	99.0	Analog	0.10	3
2	Sc	45	132,270.85	1.28	97.4	Pulse	0.10	3
3	Sc	45	206,984.43	4.08	87.2	Pulse	0.10	3
1	Ge	72	515,269.47	0.36	105.1	Pulse	0.10	3
2	Ge	72	82,489.23	0.53	102.2	Pulse	0.10	3
3	Ge	72	109,323.86	7.27	92.5	Pulse	0.10	3
1	Rh	103	3,871,147.65	0.24	108.3	Analog	0.10	3
2	Rh	103	2,350,665.28	0.69	106.4	Analog	0.10	3
1	In	115	4,683,124.54	0.94	115.0	Analog	0.10	3
2	In	115	1,078,479.66	0.54	103.5	Pulse	0.10	3
1	Tb	159	8,428,526.12	0.26	120.2	Analog	0.10	3
2	Tb	159	4,691,449.52	0.33	112.5	Analog	0.10	3
1	Ho	165	8,246,800.71	0.84	121.3	Analog	0.10	3
2	Ho	165	4,689,234.82	0.42	113.8	Analog	0.10	3
1	Bi	209	5,159,388.88	0.26	117.9	Analog	0.10	3
2	Bi	209	3,323,426.20	0.58	112.6	Analog	0.10	3

Quantitation Report

File Name	040SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 19:29
Sample Name	C25285-8conf
Sample Type	Sample
Comment	14
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.041	ug/l	26.05	62.67	4.353E-05	Pulse	0.25	3
B	11	6	1	54.877	ug/l	3.01	72,245.95	5.020E-02	Pulse	0.15	3
Na	23	45	1	5510.812	ug/l	0.91	28,365,039.57	1.188E+01	Analog	0.10	3
Na	23	45	2	5797.521	ug/l	1.14	1,151,259.77	8.749E+00	Pulse	0.20	3
Mg	24	45	1	894.148	ug/l	1.02	3,044,603.91	1.275E+00	Analog	0.10	3
Mg	24	45	2	910.438	ug/l	2.18	91,155.84	6.928E-01	Pulse	0.20	3
Al	27	45	1	127.604	ug/l	1.49	581,293.40	2.435E-01	Pulse	0.10	3
Al	27	45	2	134.285	ug/l	5.08	5,014.18	3.812E-02	Pulse	0.20	3
K	39	45	1	6972.996	ug/l	1.05	41,541,085.22	1.740E+01	Analog	0.10	3
K	39	45	2	6890.017	ug/l	1.66	668,377.59	5.080E+00	Pulse	0.20	3
Ca	43	45	1	2772.672	ug/l	1.43	32,368.20	1.356E-02	Pulse	1.50	3
Ca	43	45	2	2567.933	ug/l	5.55	864.25	6.569E-03	Pulse	1.50	3
Ca	44	45	1	2770.190	ug/l	2.01	525,768.55	2.202E-01	Pulse	0.10	3
Ca	44	45	2	2765.619	ug/l	3.35	14,683.38	1.116E-01	Pulse	0.20	3
Ti	47	45	1	16.684	ug/l	5.03	9,646.30	4.041E-03	Pulse	0.10	3
Ti	47	45	2	24.033	ug/l	44.02	915.21	6.929E-03	Pulse	0.20	3
V	51	45	2	2.853	ug/l	7.13	3,323.74	2.524E-02	Pulse	0.20	3
Cr	52	45	2	43.494	ug/l	2.30	61,343.45	4.663E-01	Pulse	0.20	3
Mn	55	45	2	13.318	ug/l	2.24	10,650.27	8.095E-02	Pulse	0.20	3
Fe	56	45	2	837.437	ug/l	1.83	929,750.51	7.066E+00	Pulse	0.20	3
Co	59	45	2	0.371	ug/l	10.99	796.70	6.058E-03	Pulse	0.20	3
Ni	60	45	2	6.660	ug/l	6.18	3,788.85	2.877E-02	Pulse	0.20	3
Cu	63	45	2	12.193	ug/l	3.01	18,240.30	1.386E-01	Pulse	0.20	3
Cu	65	45	2	12.198	ug/l	6.16	8,949.25	6.805E-02	Pulse	0.20	3
Zn	66	45	2	315.273	ug/l	2.92	81,871.51	6.223E-01	Pulse	0.20	3
As	75	45	2	74.142	ug/l	3.03	11,819.00	8.984E-02	Pulse	0.50	3
Se	78	45	2	0.162	ug/l	107.12	9.33	7.069E-05	Pulse	1.00	3
Se	78	45	3	0.123	ug/l	54.81	7.00	2.741E-05	Pulse	1.00	3
Sr	88	45	1	12.989	ug/l	0.95	173,058.09	7.249E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.586	ug/l	6.62	3,987.32	1.027E-03	Pulse	0.10	3
Ag	107	115	1	0.028	ug/l	43.91	250.01	5.366E-05	Pulse	0.10	3
Cd	111	115	1	20.148	ug/l	1.99	28,539.20	6.121E-03	Pulse	0.25	3
Cd	111	115	2	21.610	ug/l	3.70	11,835.22	1.101E-02	Pulse	0.25	3
Sn	117	115	1	2.870	ug/l	7.67	4,000.66	8.582E-04	Pulse	0.10	3
Sn	118	115	1	2.858	ug/l	1.57	12,942.40	2.776E-03	Pulse	0.10	3
Sn	118	115	2	3.048	ug/l	4.45	3,847.29	3.579E-03	Pulse	0.10	3
Sn	119	115	1	2.983	ug/l	5.07	4,914.30	1.054E-03	Pulse	0.10	3
Sb	121	159	1	0.236	ug/l	6.67	1,270.11	1.499E-04	Pulse	0.10	3
Ba	137	159	1	24.554	ug/l	1.09	59,397.77	7.008E-03	Pulse	0.10	3
Tl	205	209	1	0.062	ug/l	8.85	1,586.82	3.064E-04	Pulse	0.10	3
Pb	208	209	1	5.733	ug/l	2.20	117,043.70	2.261E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,438,877.18	0.89	100.5	Analog	0.10	3
1	Sc	45	2,387,450.80	1.04	100.5	Analog	0.10	3
2	Sc	45	131,601.99	1.77	96.9	Pulse	0.10	3
3	Sc	45	255,863.57	0.86	107.8	Pulse	0.10	3
1	Ge	72	508,378.35	1.02	103.7	Pulse	0.10	3
2	Ge	72	83,564.99	0.72	103.6	Pulse	0.10	3
3	Ge	72	129,837.06	1.74	109.8	Pulse	0.10	3
1	Rh	103	3,881,236.40	0.68	108.6	Analog	0.10	3
2	Rh	103	2,338,456.37	0.15	105.8	Analog	0.10	3
1	In	115	4,662,454.99	0.38	114.5	Analog	0.10	3
2	In	115	1,075,350.81	1.73	103.2	Pulse	0.10	3
1	Tb	159	8,475,791.33	1.10	120.9	Analog	0.10	3
2	Tb	159	4,715,892.85	1.15	113.0	Analog	0.10	3
1	Ho	165	8,281,537.38	1.09	121.8	Analog	0.10	3
2	Ho	165	4,706,249.30	0.87	114.2	Analog	0.10	3
1	Bi	209	5,177,320.45	0.78	118.3	Analog	0.10	3
2	Bi	209	3,341,525.26	0.67	113.2	Analog	0.10	3

Quantitation Report

File Name	041SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 19:34
Sample Name	C25285-9 4
Sample Type	Sample
Comment	15
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.198	ug/l	22.25	254.67	1.943E-04	Pulse	0.25	3
B	11	6	1	95.364	ug/l	0.99	113,694.64	8.665E-02	Pulse	0.15	3
Na	23	45	1	45191.173	ug/l	0.94	231,058,389.89	9.706E+01	Analog	0.10	3
Na	23	45	2	51960.633	ug/l	0.70	10,505,443.38	7.816E+01	Analog	0.20	3
Mg	24	45	1	6704.128	ug/l	1.14	22,746,508.00	9.555E+00	Analog	0.10	3
Mg	24	45	2	7335.656	ug/l	0.52	749,582.49	5.577E+00	Pulse	0.20	3
Al	27	45	1	6237.529	ug/l	0.61	28,089,270.42	1.180E+01	Analog	0.10	3
Al	27	45	2	6618.617	ug/l	0.63	251,094.70	1.868E+00	Pulse	0.20	3
K	39	45	1	16899.012	ug/l	1.89	99,569,271.85	4.183E+01	Analog	0.10	3
K	39	45	2	18133.018	ug/l	0.84	1,789,743.57	1.332E+01	Analog	0.20	3
Ca	43	45	1	132847.982	ug/l	1.16	1,544,205.56	6.487E-01	Analog	1.50	3
Ca	43	45	2	132341.044	ug/l	0.73	43,013.04	3.200E-01	Pulse	1.50	3
Ca	44	45	1	135965.775	ug/l	1.51	25,644,785.45	1.077E+01	Analog	0.10	3
Ca	44	45	2	135921.538	ug/l	0.50	736,441.76	5.479E+00	Pulse	0.20	3
Ti	47	45	1	387.195	ug/l	1.15	221,816.47	9.317E-02	Pulse	0.10	3
Ti	47	45	2	394.283	ug/l	1.78	15,278.95	1.137E-01	Pulse	0.20	3
V	51	45	2	39.632	ug/l	1.16	43,435.35	3.232E-01	Pulse	0.20	3
Cr	52	45	2	153.376	ug/l	0.27	218,494.27	1.626E+00	Pulse	0.20	3
Mn	55	45	2	265.873	ug/l	0.63	217,105.69	1.615E+00	Pulse	0.20	3
Fe	56	45	2	18421.935	ug/l	0.29	20,855,146.77	1.552E+02	Analog	0.20	3
Co	59	45	2	5.217	ug/l	1.44	11,178.99	8.317E-02	Pulse	0.20	3
Ni	60	45	2	63.345	ug/l	0.94	35,794.27	2.663E-01	Pulse	0.20	3
Cu	63	45	2	45.369	ug/l	0.40	69,039.40	5.137E-01	Pulse	0.20	3
Cu	65	45	2	46.305	ug/l	0.95	34,609.99	2.575E-01	Pulse	0.20	3
Zn	66	45	2	1673.012	ug/l	0.60	443,708.16	3.301E+00	Pulse	0.20	3
As	75	45	2	17.914	ug/l	4.38	2,927.62	2.178E-02	Pulse	0.50	3
Se	78	45	2	0.707	ug/l	41.50	18.33	1.365E-04	Pulse	1.00	3
Se	78	45	3	0.349	ug/l	5.74	19.67	7.528E-05	Pulse	1.00	3
Sr	88	45	1	780.283	ug/l	1.13	10,344,420.06	4.345E+00	Analog	0.10	3
Mo	95	103	1	6.218	ug/l	2.36	14,186.75	3.981E-03	Pulse	0.10	3
Ag	107	115	1	0.206	ug/l	7.62	1,250.10	2.790E-04	Pulse	0.10	3
Cd	111	115	1	1.878	ug/l	3.32	2,565.58	5.726E-04	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	2.188	ug/l	7.73	1,162.73	1.117E-03	Pulse	0.25	3
Sn	117	115	1	3.037	ug/l	4.28	4,064.00	9.071E-04	Pulse	0.10	3
Sn	118	115	1	3.066	ug/l	1.70	13,322.81	2.974E-03	Pulse	0.10	3
Sn	118	115	2	3.368	ug/l	6.55	4,110.74	3.950E-03	Pulse	0.10	3
Sn	119	115	1	3.379	ug/l	6.32	5,334.46	1.190E-03	Pulse	0.10	3
Sb	121	159	1	1.681	ug/l	5.89	7,758.88	9.485E-04	Pulse	0.10	3
Ba	137	159	1	213.501	ug/l	1.41	493,685.73	6.035E-02	Pulse	0.10	3
Tl	205	209	1	0.124	ug/l	2.74	2,280.28	4.773E-04	Pulse	0.10	3
Pb	208	209	1	17.785	ug/l	1.33	333,964.27	6.991E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,312,126.31	1.12	91.7	Analog	0.10	3
1	Sc	45	2,380,687.57	1.21	100.2	Analog	0.10	3
2	Sc	45	134,408.02	0.24	99.0	Pulse	0.10	3
3	Sc	45	261,212.90	0.48	110.0	Pulse	0.10	3
1	Ge	72	480,844.82	0.15	98.1	Pulse	0.10	3
2	Ge	72	81,042.25	0.62	100.4	Pulse	0.10	3
3	Ge	72	126,165.17	0.48	106.7	Pulse	0.10	3
1	Rh	103	3,563,974.01	0.77	99.7	Analog	0.10	3
2	Rh	103	2,207,169.87	0.45	99.9	Analog	0.10	3
1	In	115	4,479,931.96	0.77	110.0	Analog	0.10	3
2	In	115	1,040,771.76	0.05	99.9	Pulse	0.10	3
1	Tb	159	8,180,690.29	0.10	116.7	Analog	0.10	3
2	Tb	159	4,614,086.60	0.41	110.6	Analog	0.10	3
1	Ho	165	8,035,755.71	0.40	118.2	Analog	0.10	3
2	Ho	165	4,638,761.70	0.12	112.5	Analog	0.10	3
1	Bi	209	4,777,069.51	0.06	109.2	Analog	0.10	3
2	Bi	209	3,068,879.85	0.19	104.0	Analog	0.10	3

Quantitation Report

File Name	042SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 19:39
Sample Name	C25285-10conf
Sample Type	Sample
Comment	16
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.051	ug/l	49.75	76.00	5.321E-05	Pulse	0.25	3
B	11	6	1	62.002	ug/l	0.83	80,732.51	5.662E-02	Pulse	0.15	3
Na	23	45	1	6017.150	ug/l	0.98	31,196,482.04	1.297E+01	Analog	0.10	3
Na	23	45	2	6533.377	ug/l	1.05	1,299,784.70	9.856E+00	Mix	0.20	3
Mg	24	45	1	1539.025	ug/l	0.67	5,278,835.55	2.194E+00	Analog	0.10	3
Mg	24	45	2	1589.483	ug/l	1.34	159,417.90	1.209E+00	Pulse	0.20	3
Al	27	45	1	1996.004	ug/l	1.03	9,086,686.95	3.777E+00	Analog	0.10	3
Al	27	45	2	1953.949	ug/l	2.07	72,742.63	5.517E-01	Pulse	0.20	3
K	39	45	1	2956.625	ug/l	0.82	18,084,049.73	7.517E+00	Analog	0.10	3
K	39	45	2	2892.993	ug/l	1.46	283,749.12	2.152E+00	Pulse	0.20	3
Ca	43	45	1	5716.933	ug/l	0.56	67,201.41	2.793E-02	Pulse	1.50	3
Ca	43	45	2	5242.989	ug/l	3.86	1,717.87	1.303E-02	Pulse	1.50	3
Ca	44	45	1	5761.430	ug/l	0.64	1,099,928.37	4.572E-01	Pulse	0.10	3
Ca	44	45	2	5669.688	ug/l	1.17	30,157.57	2.287E-01	Pulse	0.20	3
Ti	47	45	1	102.526	ug/l	2.48	59,396.40	2.469E-02	Pulse	0.10	3
Ti	47	45	2	104.146	ug/l	3.77	3,960.54	3.003E-02	Pulse	0.20	3
V	51	45	2	9.197	ug/l	4.24	10,103.29	7.663E-02	Pulse	0.20	3
Cr	52	45	2	107.697	ug/l	1.13	150,810.46	1.144E+00	Pulse	0.20	3
Mn	55	45	2	88.885	ug/l	1.14	71,209.54	5.400E-01	Pulse	0.20	3
Fe	56	45	2	6684.566	ug/l	1.14	7,425,328.85	5.631E+01	Analog	0.20	3
Co	59	45	2	17.437	ug/l	1.47	36,604.33	2.776E-01	Pulse	0.20	3
Ni	60	45	2	42.840	ug/l	2.05	23,789.15	1.804E-01	Pulse	0.20	3
Cu	63	45	2	36.236	ug/l	1.71	54,127.55	4.104E-01	Pulse	0.20	3
Cu	65	45	2	36.443	ug/l	1.47	26,733.75	2.027E-01	Pulse	0.20	3
Zn	66	45	2	1446.986	ug/l	1.63	376,498.91	2.855E+00	Pulse	0.20	3
As	75	45	2	4.030	ug/l	5.53	656.02	4.974E-03	Pulse	0.50	3
Se	78	45	2	0.417	ug/l	102.84	13.33	1.014E-04	Pulse	1.00	3
Se	78	45	3	0.258	ug/l	32.45	14.33	5.590E-05	Pulse	1.00	3
Sr	88	45	1	37.247	ug/l	0.88	499,361.17	2.076E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.529	ug/l	5.69	3,863.96	9.910E-04	Pulse	0.10	3
Ag	107	115	1	0.114	ug/l	12.48	763.38	1.631E-04	Pulse	0.10	3
Cd	111	115	1	1.861	ug/l	4.15	2,656.27	5.675E-04	Pulse	0.25	3
Cd	111	115	2	1.879	ug/l	4.78	1,020.05	9.596E-04	Pulse	0.25	3
Sn	117	115	1	3.784	ug/l	0.39	5,271.10	1.126E-03	Pulse	0.10	3
Sn	118	115	1	3.698	ug/l	3.83	16,726.11	3.574E-03	Pulse	0.10	3
Sn	118	115	2	4.246	ug/l	3.52	5,277.74	4.965E-03	Pulse	0.10	3
Sn	119	115	1	3.876	ug/l	4.43	6,371.57	1.361E-03	Pulse	0.10	3
Sb	121	159	1	0.773	ug/l	5.62	3,817.27	4.465E-04	Pulse	0.10	3
Ba	137	159	1	54.899	ug/l	0.79	133,164.19	1.557E-02	Pulse	0.10	3
Tl	205	209	1	0.075	ug/l	8.68	1,776.84	3.435E-04	Pulse	0.10	3
Pb	208	209	1	10.553	ug/l	0.93	214,823.56	4.153E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,425,947.69	0.62	99.6	Analog	0.10	3
1	Sc	45	2,405,769.71	0.49	101.3	Analog	0.10	3
2	Sc	45	131,872.84	1.03	97.1	Pulse	0.10	3
3	Sc	45	256,456.51	0.38	108.0	Pulse	0.10	3
1	Ge	72	507,862.29	0.20	103.6	Pulse	0.10	3
2	Ge	72	82,550.00	1.40	102.3	Pulse	0.10	3
3	Ge	72	130,170.00	0.66	110.1	Pulse	0.10	3
1	Rh	103	3,898,872.75	0.25	109.1	Analog	0.10	3
2	Rh	103	2,328,150.59	0.46	105.3	Analog	0.10	3
1	In	115	4,680,388.79	0.11	114.9	Analog	0.10	3
2	In	115	1,063,105.53	0.72	102.0	Pulse	0.10	3
1	Tb	159	8,550,470.08	0.28	122.0	Analog	0.10	3
2	Tb	159	4,715,427.95	0.48	113.0	Analog	0.10	3
1	Ho	165	8,366,423.00	0.56	123.1	Analog	0.10	3
2	Ho	165	4,677,189.20	0.67	113.5	Analog	0.10	3
1	Bi	209	5,173,228.99	0.05	118.2	Analog	0.10	3
2	Bi	209	3,268,448.60	0.55	110.7	Analog	0.10	3

Quantitation Report

File Name	043SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 19:44
Sample Name	C25285-11conf
Sample Type	Sample
Comment	17
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.107	ug/l	19.18	140.00	1.065E-04	Pulse	0.25	3
B	11	6	1	93.569	ug/l	2.14	111,933.90	8.504E-02	Pulse	0.15	3
Na	23	45	1	24369.571	ug/l	0.95	121,326,001.52	5.236E+01	Analog	0.10	3
Na	23	45	2	27798.119	ug/l	1.53	5,371,743.05	4.183E+01	Analog	0.20	3
Mg	24	45	1	4812.493	ug/l	1.25	15,892,188.51	6.859E+00	Analog	0.10	3
Mg	24	45	2	5011.413	ug/l	1.48	489,298.22	3.810E+00	Pulse	0.20	3
Al	27	45	1	4339.202	ug/l	1.01	19,019,204.30	8.209E+00	Analog	0.10	3
Al	27	45	2	4349.464	ug/l	1.09	157,672.00	1.228E+00	Pulse	0.20	3
K	39	45	1	11453.855	ug/l	1.56	65,862,359.02	2.843E+01	Analog	0.10	3
K	39	45	2	11408.960	ug/l	1.66	1,077,420.97	8.390E+00	Pulse	0.20	3
Ca	43	45	1	16371.852	ug/l	2.16	185,245.67	7.996E-02	Pulse	1.50	3
Ca	43	45	2	15921.444	ug/l	1.19	4,985.86	3.882E-02	Pulse	1.50	3
Ca	44	45	1	16605.790	ug/l	1.13	3,049,867.66	1.316E+00	Analog	0.10	3
Ca	44	45	2	16639.415	ug/l	1.45	86,153.16	6.709E-01	Pulse	0.20	3
Ti	47	45	1	225.441	ug/l	2.01	125,710.02	5.426E-02	Pulse	0.10	3
Ti	47	45	2	237.056	ug/l	2.59	8,775.82	6.834E-02	Pulse	0.20	3
V	51	45	2	20.454	ug/l	2.97	21,547.61	1.678E-01	Pulse	0.20	3
Cr	52	45	2	269.455	ug/l	1.21	366,062.57	2.850E+00	Pulse	0.20	3
Mn	55	45	2	199.640	ug/l	0.90	155,769.12	1.213E+00	Pulse	0.20	3
Fe	56	45	2	13951.097	ug/l	1.48	15,090,523.11	1.175E+02	Analog	0.20	3
Co	59	45	2	54.918	ug/l	2.47	112,228.99	8.740E-01	Pulse	0.20	3
Ni	60	45	2	99.114	ug/l	2.44	53,445.26	4.162E-01	Pulse	0.20	3
Cu	63	45	2	89.375	ug/l	1.28	129,849.88	1.011E+00	Pulse	0.20	3
Cu	65	45	2	89.883	ug/l	1.25	64,162.00	4.996E-01	Pulse	0.20	3
Zn	66	45	2	3475.406	ug/l	1.78	880,624.91	6.857E+00	Pulse	0.20	3
As	75	45	2	13.579	ug/l	3.87	2,123.49	1.653E-02	Pulse	0.50	3
Se	78	45	2	0.135	ug/l	361.23	8.67	6.742E-05	Pulse	1.00	3
Se	78	45	3	0.267	ug/l	22.31	14.67	5.791E-05	Pulse	1.00	3
Sr	88	45	1	113.589	ug/l	1.22	1,465,927.16	6.327E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	3.568	ug/l	1.45	8,485.92	2.291E-03	Pulse	0.10	3
Ag	107	115	1	0.226	ug/l	12.68	1,366.78	3.050E-04	Pulse	0.10	3
Cd	111	115	1	4.326	ug/l	2.89	5,895.84	1.316E-03	Pulse	0.25	3
Cd	111	115	2	4.578	ug/l	5.11	2,417.55	2.335E-03	Pulse	0.25	3
Sn	117	115	1	6.989	ug/l	1.58	9,256.38	2.066E-03	Pulse	0.10	3
Sn	118	115	1	6.703	ug/l	3.10	28,793.82	6.427E-03	Pulse	0.10	3
Sn	118	115	2	7.194	ug/l	5.51	8,676.00	8.374E-03	Pulse	0.10	3
Sn	119	115	1	6.977	ug/l	4.21	10,884.24	2.429E-03	Pulse	0.10	3
Sb	121	159	1	1.289	ug/l	3.21	6,071.40	7.320E-04	Pulse	0.10	3
Ba	137	159	1	108.344	ug/l	1.49	254,302.00	3.066E-02	Pulse	0.10	3
Tl	205	209	1	0.133	ug/l	10.37	2,493.65	5.033E-04	Pulse	0.10	3
Pb	208	209	1	22.511	ug/l	0.38	438,289.95	8.846E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,316,530.53	1.54	92.0	Analog	0.10	3
1	Sc	45	2,317,041.06	0.70	97.5	Analog	0.10	3
2	Sc	45	128,438.44	1.54	94.6	Pulse	0.10	3
3	Sc	45	253,559.09	1.26	106.8	Pulse	0.10	3
1	Ge	72	485,333.38	0.86	99.0	Pulse	0.10	3
2	Ge	72	80,110.48	1.13	99.3	Pulse	0.10	3
3	Ge	72	124,573.76	1.41	105.4	Pulse	0.10	3
1	Rh	103	3,704,017.76	0.30	103.6	Analog	0.10	3
2	Rh	103	2,240,796.32	0.41	101.4	Analog	0.10	3
1	In	115	4,480,334.42	0.28	110.0	Analog	0.10	3
2	In	115	1,035,883.76	1.01	99.4	Pulse	0.10	3
1	Tb	159	8,293,932.59	0.88	118.3	Analog	0.10	3
2	Tb	159	4,569,618.06	0.60	109.5	Analog	0.10	3
1	Ho	165	8,175,767.17	0.69	120.3	Analog	0.10	3
2	Ho	165	4,567,160.35	0.20	110.8	Analog	0.10	3
1	Bi	209	4,954,740.24	0.44	113.3	Analog	0.10	3
2	Bi	209	3,160,726.62	0.63	107.1	Analog	0.10	3

Quantitation Report

File Name	044SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 19:49
Sample Name	C25285-12conf
Sample Type	Sample
Comment	18
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.061	ug/l	12.10	82.67	6.244E-05	Pulse	0.25	3
B	11	6	1	127.797	ug/l	1.22	153,293.28	1.159E-01	Pulse	0.15	3
Na	23	45	1	30846.465	ug/l	0.44	154,099,864.37	6.627E+01	Analog	0.10	3
Na	23	45	2	34984.121	ug/l	1.06	6,856,898.86	5.264E+01	Analog	0.20	3
Mg	24	45	1	7974.584	ug/l	0.43	26,428,339.61	1.137E+01	Analog	0.10	3
Mg	24	45	2	8280.301	ug/l	1.37	820,043.79	6.295E+00	Pulse	0.20	3
Al	27	45	1	1878.000	ug/l	0.25	8,264,189.46	3.554E+00	Analog	0.10	3
Al	27	45	2	1848.308	ug/l	2.48	67,978.29	5.219E-01	Pulse	0.20	3
K	39	45	1	8299.275	ug/l	1.37	48,051,249.29	2.066E+01	Analog	0.10	3
K	39	45	2	8180.201	ug/l	0.62	784,893.92	6.025E+00	Pulse	0.20	3
Ca	43	45	1	23143.485	ug/l	0.80	262,807.31	1.130E-01	Pulse	1.50	3
Ca	43	45	2	22832.707	ug/l	0.87	7,232.24	5.552E-02	Pulse	1.50	3
Ca	44	45	1	23262.261	ug/l	0.64	4,287,221.91	1.844E+00	Analog	0.10	3
Ca	44	45	2	23219.819	ug/l	1.76	121,945.40	9.361E-01	Pulse	0.20	3
Ti	47	45	1	99.741	ug/l	3.33	55,866.10	2.402E-02	Pulse	0.10	3
Ti	47	45	2	107.573	ug/l	9.49	4,040.64	3.101E-02	Pulse	0.20	3
V	51	45	2	14.960	ug/l	2.13	16,062.98	1.233E-01	Pulse	0.20	3
Cr	52	45	2	270.236	ug/l	0.61	372,399.06	2.859E+00	Pulse	0.20	3
Mn	55	45	2	128.966	ug/l	0.56	102,076.03	7.835E-01	Pulse	0.20	3
Fe	56	45	2	10446.530	ug/l	0.48	11,463,269.41	8.799E+01	Analog	0.20	3
Co	59	45	2	22.719	ug/l	0.95	47,110.70	3.616E-01	Pulse	0.20	3
Ni	60	45	2	85.071	ug/l	2.89	46,549.47	3.574E-01	Pulse	0.20	3
Cu	63	45	2	79.546	ug/l	0.59	117,244.72	9.000E-01	Pulse	0.20	3
Cu	65	45	2	79.071	ug/l	1.04	57,254.97	4.395E-01	Pulse	0.20	3
Zn	66	45	2	2539.852	ug/l	0.83	652,852.40	5.012E+00	Pulse	0.20	3
As	75	45	2	7.619	ug/l	1.12	1,214.06	9.319E-03	Pulse	0.50	3
Se	78	45	2	0.297	ug/l	23.23	11.33	8.696E-05	Pulse	1.00	3
Se	78	45	3	0.231	ug/l	12.49	12.67	5.021E-05	Pulse	1.00	3
Sr	88	45	1	254.406	ug/l	1.16	3,294,807.66	1.417E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	6.750	ug/l	0.80	15,958.47	4.320E-03	Pulse	0.10	3
Ag	107	115	1	0.198	ug/l	8.43	1,220.09	2.697E-04	Pulse	0.10	3
Cd	111	115	1	5.428	ug/l	5.78	7,467.20	1.651E-03	Pulse	0.25	3
Cd	111	115	2	5.515	ug/l	3.35	2,924.32	2.812E-03	Pulse	0.25	3
Sn	117	115	1	2.509	ug/l	8.41	3,403.83	7.521E-04	Pulse	0.10	3
Sn	118	115	1	2.626	ug/l	3.99	11,564.67	2.556E-03	Pulse	0.10	3
Sn	118	115	2	2.753	ug/l	6.63	3,370.49	3.238E-03	Pulse	0.10	3
Sn	119	115	1	2.819	ug/l	1.72	4,514.14	9.977E-04	Pulse	0.10	3
Sb	121	159	1	0.897	ug/l	3.84	4,260.74	5.150E-04	Pulse	0.10	3
Ba	137	159	1	94.857	ug/l	1.63	222,206.00	2.685E-02	Pulse	0.10	3
Tl	205	209	1	0.097	ug/l	20.24	2,003.56	4.036E-04	Pulse	0.10	3
Pb	208	209	1	41.165	ug/l	1.07	802,981.80	1.617E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,323,222.76	0.85	92.4	Analog	0.10	3
1	Sc	45	2,325,347.10	0.71	97.9	Analog	0.10	3
2	Sc	45	130,275.26	0.65	95.9	Pulse	0.10	3
3	Sc	45	252,278.37	0.53	106.2	Pulse	0.10	3
1	Ge	72	483,972.30	0.53	98.7	Pulse	0.10	3
2	Ge	72	81,182.36	2.23	100.6	Pulse	0.10	3
3	Ge	72	126,226.82	1.49	106.8	Pulse	0.10	3
1	Rh	103	3,694,242.44	0.57	103.3	Analog	0.10	3
2	Rh	103	2,239,444.08	0.69	101.3	Analog	0.10	3
1	In	115	4,524,304.38	0.56	111.1	Analog	0.10	3
2	In	115	1,040,228.47	1.29	99.8	Pulse	0.10	3
1	Tb	159	8,274,143.42	0.57	118.0	Analog	0.10	3
2	Tb	159	4,629,547.85	0.60	111.0	Analog	0.10	3
1	Ho	165	8,123,872.58	0.07	119.5	Analog	0.10	3
2	Ho	165	4,613,600.35	0.33	111.9	Analog	0.10	3
1	Bi	209	4,967,205.97	0.86	113.5	Analog	0.10	3
2	Bi	209	3,163,990.89	1.09	107.2	Analog	0.10	3

Quantitation Report

File Name	045SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 19:54
Sample Name	C25285-13conf
Sample Type	Sample
Comment	19
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.025	ug/l	19.05	37.33	2.821E-05	Pulse	0.25	3
B	11	6	1	132.998	ug/l	1.35	159,572.61	1.205E-01	Pulse	0.15	3
Na	23	45	1	32089.319	ug/l	0.66	159,915,060.95	6.894E+01	Analog	0.10	3
Na	23	45	2	36673.271	ug/l	0.77	7,165,843.64	5.517E+01	Analog	0.20	3
Mg	24	45	1	7975.731	ug/l	1.15	26,367,938.77	1.137E+01	Analog	0.10	3
Mg	24	45	2	8332.064	ug/l	0.85	822,695.30	6.334E+00	Pulse	0.20	3
Al	27	45	1	1326.185	ug/l	1.11	5,823,219.29	2.510E+00	Analog	0.10	3
Al	27	45	2	1312.522	ug/l	2.57	48,132.42	3.706E-01	Pulse	0.20	3
K	39	45	1	8126.020	ug/l	1.22	46,944,609.30	2.024E+01	Analog	0.10	3
K	39	45	2	8023.809	ug/l	0.83	767,596.55	5.910E+00	Pulse	0.20	3
Ca	43	45	1	23948.332	ug/l	0.57	271,293.50	1.169E-01	Pulse	1.50	3
Ca	43	45	2	23706.317	ug/l	1.77	7,484.12	5.763E-02	Pulse	1.50	3
Ca	44	45	1	24180.998	ug/l	0.17	4,445,801.60	1.916E+00	Analog	0.10	3
Ca	44	45	2	24114.538	ug/l	0.77	126,265.07	9.722E-01	Pulse	0.20	3
Ti	47	45	1	83.483	ug/l	15.56	46,610.88	2.011E-02	Pulse	0.10	3
Ti	47	45	2	75.644	ug/l	2.78	2,831.99	2.181E-02	Pulse	0.20	3
V	51	45	2	13.340	ug/l	3.57	14,314.75	1.102E-01	Pulse	0.20	3
Cr	52	45	2	291.007	ug/l	0.40	399,735.87	3.078E+00	Pulse	0.20	3
Mn	55	45	2	119.775	ug/l	1.24	94,506.84	7.277E-01	Pulse	0.20	3
Fe	56	45	2	8165.732	ug/l	1.10	8,933,348.41	6.879E+01	Analog	0.20	3
Co	59	45	2	22.055	ug/l	2.32	45,591.71	3.511E-01	Pulse	0.20	3
Ni	60	45	2	69.558	ug/l	1.58	37,969.00	2.924E-01	Pulse	0.20	3
Cu	63	45	2	63.670	ug/l	0.35	93,581.29	7.205E-01	Pulse	0.20	3
Cu	65	45	2	64.249	ug/l	0.87	46,387.34	3.572E-01	Pulse	0.20	3
Zn	66	45	2	2140.798	ug/l	0.98	548,608.31	4.224E+00	Pulse	0.20	3
As	75	45	2	6.293	ug/l	4.54	1,002.04	7.713E-03	Pulse	0.50	3
Se	78	45	2	0.724	ug/l	22.07	18.00	1.385E-04	Pulse	1.00	3
Se	78	45	3	0.220	ug/l	18.27	12.00	4.787E-05	Pulse	1.00	3
Sr	88	45	1	268.227	ug/l	0.82	3,465,335.78	1.494E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	3.926	ug/l	2.54	9,206.27	2.519E-03	Pulse	0.10	3
Ag	107	115	1	0.188	ug/l	8.21	1,153.43	2.568E-04	Pulse	0.10	3
Cd	111	115	1	4.871	ug/l	2.15	6,653.50	1.481E-03	Pulse	0.25	3
Cd	111	115	2	5.529	ug/l	1.90	2,912.32	2.819E-03	Pulse	0.25	3
Sn	117	115	1	2.206	ug/l	7.19	2,980.41	6.634E-04	Pulse	0.10	3
Sn	118	115	1	2.071	ug/l	3.77	9,113.01	2.029E-03	Pulse	0.10	3
Sn	118	115	2	2.399	ug/l	14.00	2,923.72	2.829E-03	Pulse	0.10	3
Sn	119	115	1	2.293	ug/l	2.74	3,667.23	8.166E-04	Pulse	0.10	3
Sb	121	159	1	0.811	ug/l	3.50	3,860.63	4.676E-04	Pulse	0.10	3
Ba	137	159	1	79.142	ug/l	0.69	185,061.80	2.242E-02	Pulse	0.10	3
Tl	205	209	1	0.092	ug/l	2.61	1,926.87	3.897E-04	Pulse	0.10	3
Pb	208	209	1	15.968	ug/l	0.55	310,371.77	6.278E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,323,811.85	0.20	92.5	Analog	0.10	3
1	Sc	45	2,319,776.11	0.83	97.7	Analog	0.10	3
2	Sc	45	129,881.02	0.95	95.6	Pulse	0.10	3
3	Sc	45	251,021.47	1.09	105.7	Pulse	0.10	3
1	Ge	72	481,490.03	0.87	98.2	Pulse	0.10	3
2	Ge	72	80,562.78	0.74	99.8	Pulse	0.10	3
3	Ge	72	125,208.44	1.48	105.9	Pulse	0.10	3
1	Rh	103	3,654,382.76	0.46	102.2	Analog	0.10	3
2	Rh	103	2,227,877.05	0.44	100.8	Analog	0.10	3
1	In	115	4,490,804.02	0.78	110.3	Analog	0.10	3
2	In	115	1,033,066.69	0.53	99.1	Pulse	0.10	3
1	Tb	159	8,255,158.63	0.34	117.8	Analog	0.10	3
2	Tb	159	4,613,599.41	0.47	110.6	Analog	0.10	3
1	Ho	165	8,101,957.38	0.75	119.2	Analog	0.10	3
2	Ho	165	4,593,999.72	0.65	111.5	Analog	0.10	3
1	Bi	209	4,944,031.91	0.90	113.0	Analog	0.10	3
2	Bi	209	3,152,159.02	1.07	106.8	Analog	0.10	3

Quantitation Report

File Name	046SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 20:00
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	48.796	ug/l	0.43	146,606.33	9.384E-02	Pulse	0.25	3
B	11	6	1	51.930	ug/l	1.49	147,336.93	9.430E-02	Pulse	0.15	3
Na	23	45	1	4703.393	ug/l	1.50	54,151,745.86	2.024E+01	Analog	0.10	3
Na	23	45	2	5088.040	ug/l	2.73	2,283,025.75	1.533E+01	Analog	0.20	3
Mg	24	45	1	4741.482	ug/l	1.77	36,151,484.46	1.351E+01	Analog	0.10	3
Mg	24	45	2	4857.451	ug/l	1.95	1,099,772.35	7.386E+00	Pulse	0.20	3
Al	27	45	1	4715.852	ug/l	1.60	47,722,572.62	1.784E+01	Analog	0.10	3
Al	27	45	2	4750.474	ug/l	2.14	399,311.31	2.682E+00	Pulse	0.20	3
K	39	45	1	4878.074	ug/l	1.10	64,866,929.03	2.425E+01	Analog	0.10	3
K	39	45	2	4838.714	ug/l	1.97	1,060,480.14	7.122E+00	Pulse	0.20	3
Ca	43	45	1	4889.729	ug/l	1.23	127,781.72	4.777E-02	Pulse	1.50	3
Ca	43	45	2	4862.260	ug/l	3.52	3,551.49	2.385E-02	Pulse	1.50	3
Ca	44	45	1	4988.447	ug/l	1.55	2,116,365.18	7.912E-01	Analog	0.10	3
Ca	44	45	2	5038.388	ug/l	1.77	60,508.04	4.063E-01	Pulse	0.20	3
Ti	47	45	1	47.426	ug/l	0.64	61,116.69	2.285E-02	Pulse	0.10	3
Ti	47	45	2	48.325	ug/l	2.50	4,148.94	2.786E-02	Pulse	0.20	3
V	51	45	2	52.616	ug/l	1.59	127,251.95	8.545E-01	Pulse	0.20	3
Cr	52	45	2	51.653	ug/l	1.84	163,408.19	1.097E+00	Pulse	0.20	3
Mn	55	45	2	50.771	ug/l	2.58	91,857.17	6.169E-01	Pulse	0.20	3
Fe	56	45	2	5024.380	ug/l	2.64	12,603,149.39	8.464E+01	Analog	0.20	3
Co	59	45	2	51.503	ug/l	2.47	244,058.81	1.639E+00	Pulse	0.20	3
Ni	60	45	2	50.294	ug/l	2.53	62,891.70	4.224E-01	Pulse	0.20	3
Cu	63	45	2	49.617	ug/l	1.72	167,164.02	1.123E+00	Pulse	0.20	3
Cu	65	45	2	50.066	ug/l	3.03	82,856.36	5.565E-01	Pulse	0.20	3
Zn	66	45	2	51.850	ug/l	1.24	30,513.68	2.049E-01	Pulse	0.20	3
As	75	45	2	52.261	ug/l	1.86	18,854.92	1.266E-01	Pulse	0.50	3
Se	78	45	2	49.701	ug/l	2.76	1,794.44	1.205E-02	Pulse	1.00	3
Se	78	45	3	50.097	ug/l	0.71	6,026.13	2.119E-02	Pulse	1.00	3
Sr	88	45	1	52.521	ug/l	1.49	1,565,160.13	5.851E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	48.376	ug/l	0.79	254,970.50	6.171E-02	Pulse	0.10	3
Ag	107	115	1	46.736	ug/l	1.23	588,887.96	1.186E-01	Pulse	0.10	3
Cd	111	115	1	48.332	ug/l	0.72	145,727.17	2.936E-02	Pulse	0.25	3
Cd	111	115	2	51.082	ug/l	1.02	59,713.20	5.204E-02	Pulse	0.25	3
Sn	117	115	1	48.381	ug/l	1.03	140,954.69	2.840E-02	Pulse	0.10	3
Sn	118	115	1	48.821	ug/l	0.45	460,589.70	9.279E-02	Pulse	0.10	3
Sn	118	115	2	52.042	ug/l	1.73	138,148.68	1.204E-01	Pulse	0.10	3
Sn	119	115	1	48.383	ug/l	1.15	165,519.55	3.334E-02	Pulse	0.10	3
Sb	121	159	1	56.880	ug/l	0.54	547,195.30	6.291E-02	Pulse	0.10	3
Ba	137	159	1	49.613	ug/l	0.67	244,320.24	2.809E-02	Pulse	0.10	3
Tl	205	209	1	53.511	ug/l	0.73	1,549,278.26	2.961E-01	Analog	0.10	3
Pb	208	209	1	49.574	ug/l	0.68	2,036,755.45	3.892E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,562,366.77	0.23	109.2	Analog	0.10	3
1	Sc	45	2,675,171.52	0.95	112.6	Analog	0.10	3
2	Sc	45	148,948.29	2.04	109.7	Pulse	0.10	3
3	Sc	45	284,377.74	0.34	119.8	Pulse	0.10	3
1	Ge	72	554,970.67	0.42	113.2	Pulse	0.10	3
2	Ge	72	91,677.40	0.82	113.6	Pulse	0.10	3
3	Ge	72	137,450.30	1.42	116.3	Pulse	0.10	3
1	Rh	103	4,131,790.04	0.62	115.6	Analog	0.10	3
2	Rh	103	2,495,802.05	0.78	112.9	Analog	0.10	3
1	In	115	4,963,945.63	0.53	121.9	Analog	0.10	3
2	In	115	1,147,345.56	1.15	110.1	Pulse	0.10	3
1	Tb	159	8,698,563.41	0.66	124.1	Analog	0.10	3
2	Tb	159	4,859,945.35	0.20	116.5	Analog	0.10	3
1	Ho	165	8,494,874.04	0.82	124.9	Analog	0.10	3
2	Ho	165	4,886,610.66	0.86	118.5	Analog	0.10	3
1	Bi	209	5,232,910.86	0.72	119.6	Analog	0.10	3
2	Bi	209	3,366,468.39	0.70	114.0	Analog	0.10	3

Quantitation Report

File Name	047SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 20:05
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.007	ug/l	83.23	28.00	1.729E-05	Pulse	0.25	3
B	11	6	1	1.807	ug/l	7.58	6,552.54	4.048E-03	Pulse	0.15	3
Na	23	45	1	-0.256	ug/l	-57.93	134,275.15	4.975E-02	Pulse	0.10	3
Na	23	45	2	3.301	ug/l	11.39	6,329.63	4.181E-02	Pulse	0.20	3
Mg	24	45	1	-0.116	ug/l	-11.73	1,973.53	7.312E-04	Pulse	0.10	3
Mg	24	45	2	-0.239	ug/l	-25.84	55.00	3.644E-04	Pulse	0.20	3
Al	27	45	1	-0.202	ug/l	-6.95	3,793.92	1.406E-03	Pulse	0.10	3
Al	27	45	2	-0.118	ug/l	-116.78	23.33	1.548E-04	Pulse	0.20	3
K	39	45	1	0.714	ug/l	24.44	661,211.09	2.450E-01	Pulse	0.10	3
K	39	45	2	2.782	ug/l	46.30	5,551.02	3.666E-02	Pulse	0.20	3
Ca	43	45	1	0.431	ug/l	38.61	67.11	2.487E-05	Pulse	1.50	3
Ca	43	45	2	-73.938	ug/l	-1.21	1.33	8.798E-06	Pulse	1.50	3
Ca	44	45	1	-1.436	ug/l	-11.74	1,453.46	5.385E-04	Pulse	0.10	3
Ca	44	45	2	0.244	ug/l	365.62	23.33	1.550E-04	Pulse	0.20	3
Ti	47	45	1	0.006	ug/l	477.64	83.34	3.082E-05	Pulse	0.10	3
Ti	47	45	2	0.096	ug/l	35.01	8.33	5.513E-05	Pulse	0.20	3
V	51	45	2	-0.004	ug/l	-641.75	311.68	2.064E-03	Pulse	0.20	3
Cr	52	45	2	-0.016	ug/l	-83.92	1,060.06	7.005E-03	Pulse	0.20	3
Mn	55	45	2	0.002	ug/l	218.16	10.00	6.592E-05	Pulse	0.20	3
Fe	56	45	2	0.315	ug/l	29.13	2,835.30	1.875E-02	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	144.71	28.33	1.877E-04	Pulse	0.20	3
Ni	60	45	2	-0.007	ug/l	-195.08	121.67	8.047E-04	Pulse	0.20	3
Cu	63	45	2	-0.015	ug/l	-18.60	71.67	4.729E-04	Pulse	0.20	3
Cu	65	45	2	-0.001	ug/l	-1802.55	43.33	2.878E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.079	ug/l	56.24	90.00	5.949E-04	Pulse	0.20	3
As	75	45	2	-0.003	ug/l	-337.09	13.33	8.795E-05	Pulse	0.50	3
Se	78	45	2	0.117	ug/l	70.97	12.00	7.937E-05	Pulse	1.00	3
Se	78	45	3	0.041	ug/l	85.80	5.33	1.863E-05	Pulse	1.00	3
Sr	88	45	1	0.003	ug/l	122.23	496.70	1.840E-04	Pulse	0.10	3
Mo	95	103	1	0.058	ug/l	12.38	386.69	8.987E-05	Pulse	0.10	3
Ag	107	115	1	-0.001	ug/l	-310.55	80.00	1.578E-05	Pulse	0.10	3
Cd	111	115	1	0.000	ug/l	1087.90	12.00	2.366E-06	Pulse	0.25	3
Cd	111	115	2	-0.001	ug/l	-135.44	1.33	1.122E-06	Pulse	0.25	3
Sn	117	115	1	0.086	ug/l	41.20	340.02	6.704E-05	Pulse	0.10	3
Sn	118	115	1	0.094	ug/l	8.70	1,216.76	2.398E-04	Pulse	0.10	3
Sn	118	115	2	0.152	ug/l	12.27	480.02	4.057E-04	Pulse	0.10	3
Sn	119	115	1	0.105	ug/l	21.01	503.36	9.922E-05	Pulse	0.10	3
Sb	121	159	1	0.064	ug/l	16.58	790.05	9.015E-05	Pulse	0.10	3
Ba	137	159	1	0.028	ug/l	72.42	806.72	9.194E-05	Pulse	0.10	3
Tl	205	209	1	0.016	ug/l	7.47	1,203.43	2.241E-04	Pulse	0.10	3
Pb	208	209	1	0.000	ug/l	-278.04	586.70	1.093E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,618,960.37	0.54	113.1	Analog	0.10	3
1	Sc	45	2,699,041.00	0.59	113.6	Analog	0.10	3
2	Sc	45	151,347.14	1.71	111.4	Pulse	0.10	3
3	Sc	45	288,096.49	1.28	121.3	Pulse	0.10	3
1	Ge	72	562,604.76	0.52	114.8	Pulse	0.10	3
2	Ge	72	93,450.58	1.15	115.8	Pulse	0.10	3
3	Ge	72	143,105.11	1.38	121.0	Pulse	0.10	3
1	Rh	103	4,300,881.08	0.74	120.3	Analog	0.10	3
2	Rh	103	2,593,487.36	0.48	117.3	Analog	0.10	3
1	In	115	5,074,303.10	0.28	124.6	Analog	0.10	3
2	In	115	1,183,123.50	0.39	113.6	Pulse	0.10	3
1	Tb	159	8,770,095.49	0.81	125.1	Analog	0.10	3
2	Tb	159	4,908,927.11	0.22	117.7	Analog	0.10	3
1	Ho	165	8,595,601.54	0.38	126.4	Analog	0.10	3
2	Ho	165	4,871,110.03	0.44	118.2	Analog	0.10	3
1	Bi	209	5,369,508.88	0.06	122.7	Analog	0.10	3
2	Bi	209	3,479,074.74	0.17	117.9	Analog	0.10	3

Quantitation Report

File Name	048SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 20:10
Sample Name	C25285-14conf
Sample Type	Sample
Comment	20
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.010	ug/l	71.95	20.00	1.379E-05	Pulse	0.25	3
B	11	6	1	52.806	ug/l	2.45	70,043.39	4.834E-02	Pulse	0.15	3
Na	23	45	1	2193.251	ug/l	1.20	11,257,574.41	4.759E+00	Analog	0.10	3
Na	23	45	2	2323.017	ug/l	1.47	454,714.09	3.525E+00	Pulse	0.20	3
Mg	24	45	1	351.301	ug/l	0.80	1,186,753.94	5.017E-01	Pulse	0.10	3
Mg	24	45	2	369.987	ug/l	1.35	36,377.62	2.820E-01	Pulse	0.20	3
Al	27	45	1	263.045	ug/l	0.69	1,181,941.52	4.997E-01	Pulse	0.10	3
Al	27	45	2	270.632	ug/l	6.07	9,879.75	7.660E-02	Pulse	0.20	3
K	39	45	1	1269.031	ug/l	0.73	7,958,276.13	3.364E+00	Analog	0.10	3
K	39	45	2	1245.492	ug/l	1.35	121,898.67	9.450E-01	Pulse	0.20	3
Ca	43	45	1	4624.172	ug/l	0.57	53,457.49	2.260E-02	Pulse	1.50	3
Ca	43	45	2	4401.728	ug/l	2.28	1,418.73	1.100E-02	Pulse	1.50	3
Ca	44	45	1	4675.605	ug/l	0.36	878,053.97	3.712E-01	Pulse	0.10	3
Ca	44	45	2	4628.914	ug/l	2.44	24,084.37	1.867E-01	Pulse	0.20	3
Ti	47	45	1	19.722	ug/l	2.29	11,287.55	4.772E-03	Pulse	0.10	3
Ti	47	45	2	18.998	ug/l	3.13	706.70	5.477E-03	Pulse	0.20	3
V	51	45	2	2.521	ug/l	8.29	2,910.31	2.256E-02	Pulse	0.20	3
Cr	52	45	2	30.799	ug/l	1.31	42,869.01	3.323E-01	Pulse	0.20	3
Mn	55	45	2	27.600	ug/l	1.75	21,641.21	1.677E-01	Pulse	0.20	3
Fe	56	45	2	2664.275	ug/l	1.70	2,896,171.62	2.245E+01	Analog	0.20	3
Co	59	45	2	1.224	ug/l	2.12	2,533.59	1.964E-02	Pulse	0.20	3
Ni	60	45	2	15.713	ug/l	2.70	8,604.07	6.671E-02	Pulse	0.20	3
Cu	63	45	2	41.201	ug/l	4.24	60,163.14	4.665E-01	Pulse	0.20	3
Cu	65	45	2	40.903	ug/l	2.79	29,341.53	2.275E-01	Pulse	0.20	3
Zn	66	45	2	307.676	ug/l	0.49	78,357.81	6.073E-01	Pulse	0.20	3
As	75	45	2	12.245	ug/l	2.09	1,924.79	1.492E-02	Pulse	0.50	3
Se	78	45	2	3.838	ug/l	5.67	66.33	5.142E-04	Pulse	1.00	3
Se	78	45	3	3.281	ug/l	13.19	176.33	6.953E-04	Pulse	1.00	3
Sr	88	45	1	13.912	ug/l	1.05	183,626.21	7.763E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	6.578	ug/l	2.69	16,165.43	4.210E-03	Pulse	0.10	3
Ag	107	115	1	0.021	ug/l	38.60	203.35	4.417E-05	Pulse	0.10	3
Cd	111	115	1	4.160	ug/l	3.36	5,827.82	1.266E-03	Pulse	0.25	3
Cd	111	115	2	4.709	ug/l	6.81	2,558.91	2.401E-03	Pulse	0.25	3
Sn	117	115	1	6.537	ug/l	7.44	8,902.88	1.933E-03	Pulse	0.10	3
Sn	118	115	1	6.641	ug/l	3.07	29,324.81	6.369E-03	Pulse	0.10	3
Sn	118	115	2	7.147	ug/l	1.67	8,866.19	8.319E-03	Pulse	0.10	3
Sn	119	115	1	6.934	ug/l	4.36	11,117.71	2.414E-03	Pulse	0.10	3
Sb	121	159	1	4.170	ug/l	3.69	19,459.35	2.325E-03	Pulse	0.10	3
Ba	137	159	1	19.288	ug/l	0.79	46,216.62	5.521E-03	Pulse	0.10	3
Tl	205	209	1	0.146	ug/l	5.82	2,747.03	5.373E-04	Pulse	0.10	3
Pb	208	209	1	8.200	ug/l	0.53	165,122.56	3.229E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,449,285.87	1.13	101.3	Analog	0.10	3
1	Sc	45	2,365,537.72	0.31	99.6	Analog	0.10	3
2	Sc	45	129,021.13	1.88	95.0	Pulse	0.10	3
3	Sc	45	253,737.06	1.04	106.9	Pulse	0.10	3
1	Ge	72	498,502.61	0.19	101.7	Pulse	0.10	3
2	Ge	72	81,816.21	0.60	101.4	Pulse	0.10	3
3	Ge	72	127,829.01	0.76	108.1	Pulse	0.10	3
1	Rh	103	3,839,520.88	0.20	107.4	Analog	0.10	3
2	Rh	103	2,321,501.37	0.55	105.0	Analog	0.10	3
1	In	115	4,604,668.45	0.19	113.1	Analog	0.10	3
2	In	115	1,065,773.51	0.20	102.3	Pulse	0.10	3
1	Tb	159	8,371,424.67	0.59	119.4	Analog	0.10	3
2	Tb	159	4,642,612.54	0.47	111.3	Analog	0.10	3
1	Ho	165	8,223,002.79	0.39	120.9	Analog	0.10	3
2	Ho	165	4,643,617.85	0.22	112.7	Analog	0.10	3
1	Bi	209	5,113,455.55	0.92	116.9	Analog	0.10	3
2	Bi	209	3,296,628.18	0.14	111.7	Analog	0.10	3

Quantitation Report

File Name	049SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 20:15
Sample Name	C25285-15conf
Sample Type	Sample
Comment	21
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.009	ug/l	35.10	16.00	1.223E-05	Pulse	0.25	3
B	11	6	1	36.752	ug/l	0.97	44,269.05	3.388E-02	Pulse	0.15	3
Na	23	45	1	27681.704	ug/l	0.74	136,855,547.96	5.947E+01	Analog	0.10	3
Na	23	45	2	31438.136	ug/l	0.95	6,164,303.66	4.730E+01	Analog	0.20	3
Mg	24	45	1	3312.564	ug/l	0.79	10,865,140.26	4.722E+00	Analog	0.10	3
Mg	24	45	2	3435.372	ug/l	1.30	340,389.75	2.612E+00	Pulse	0.20	3
Al	27	45	1	532.278	ug/l	0.38	2,321,423.35	1.009E+00	Analog	0.10	3
Al	27	45	2	527.220	ug/l	3.75	19,414.80	1.490E-01	Pulse	0.20	3
K	39	45	1	13337.943	ug/l	0.06	76,080,742.20	3.306E+01	Analog	0.10	3
K	39	45	2	13209.967	ug/l	0.71	1,265,313.63	9.709E+00	Pulse	0.20	3
Ca	43	45	1	19982.202	ug/l	0.15	224,547.49	9.759E-02	Pulse	1.50	3
Ca	43	45	2	19337.714	ug/l	1.35	6,134.25	4.707E-02	Pulse	1.50	3
Ca	44	45	1	20063.692	ug/l	1.38	3,659,480.78	1.590E+00	Analog	0.10	3
Ca	44	45	2	19904.010	ug/l	1.87	104,565.40	8.025E-01	Pulse	0.20	3
Ti	47	45	1	26.848	ug/l	1.96	14,923.88	6.486E-03	Pulse	0.10	3
Ti	47	45	2	32.979	ug/l	22.88	1,238.64	9.508E-03	Pulse	0.20	3
V	51	45	2	12.078	ug/l	2.98	13,025.35	9.996E-02	Pulse	0.20	3
Cr	52	45	2	25.782	ug/l	1.02	36,408.71	2.794E-01	Pulse	0.20	3
Mn	55	45	2	31.569	ug/l	3.18	24,994.30	1.918E-01	Pulse	0.20	3
Fe	56	45	2	2107.431	ug/l	1.28	2,314,633.77	1.776E+01	Analog	0.20	3
Co	59	45	2	3.370	ug/l	3.08	7,008.30	5.378E-02	Pulse	0.20	3
Ni	60	45	2	10.326	ug/l	6.98	5,749.46	4.413E-02	Pulse	0.20	3
Cu	63	45	2	16.888	ug/l	2.78	24,979.36	1.917E-01	Pulse	0.20	3
Cu	65	45	2	17.128	ug/l	1.16	12,436.60	9.543E-02	Pulse	0.20	3
Zn	66	45	2	245.414	ug/l	1.14	63,136.36	4.845E-01	Pulse	0.20	3
As	75	45	2	9.458	ug/l	3.12	1,504.08	1.154E-02	Pulse	0.50	3
Se	78	45	2	0.147	ug/l	212.04	9.00	6.890E-05	Pulse	1.00	3
Se	78	45	3	0.364	ug/l	26.94	20.00	7.829E-05	Pulse	1.00	3
Sr	88	45	1	124.931	ug/l	0.89	1,601,262.48	6.959E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.340	ug/l	1.79	3,190.44	8.703E-04	Pulse	0.10	3
Ag	107	115	1	0.148	ug/l	13.53	926.73	2.059E-04	Pulse	0.10	3
Cd	111	115	1	2.286	ug/l	1.40	3,136.37	6.964E-04	Pulse	0.25	3
Cd	111	115	2	2.338	ug/l	3.26	1,254.74	1.194E-03	Pulse	0.25	3
Sn	117	115	1	1.611	ug/l	10.73	2,200.24	4.887E-04	Pulse	0.10	3
Sn	118	115	1	1.581	ug/l	5.62	7,045.18	1.564E-03	Pulse	0.10	3
Sn	118	115	2	1.588	ug/l	0.95	1,986.87	1.890E-03	Pulse	0.10	3
Sn	119	115	1	1.614	ug/l	1.84	2,623.65	5.825E-04	Pulse	0.10	3
Sb	121	159	1	1.219	ug/l	6.02	5,677.91	6.931E-04	Pulse	0.10	3
Ba	137	159	1	52.019	ug/l	1.79	120,919.02	1.476E-02	Pulse	0.10	3
Tl	205	209	1	0.048	ug/l	32.22	1,323.45	2.670E-04	Pulse	0.10	3
Pb	208	209	1	5.622	ug/l	0.43	109,834.90	2.217E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,306,436.73	0.71	91.3	Analog	0.10	3
1	Sc	45	2,301,044.34	0.48	96.9	Analog	0.10	3
2	Sc	45	130,324.82	1.24	96.0	Pulse	0.10	3
3	Sc	45	255,670.16	1.10	107.7	Pulse	0.10	3
1	Ge	72	487,469.50	0.68	99.4	Pulse	0.10	3
2	Ge	72	80,663.47	1.53	100.0	Pulse	0.10	3
3	Ge	72	127,956.08	1.21	108.2	Pulse	0.10	3
1	Rh	103	3,665,943.07	0.54	102.5	Analog	0.10	3
2	Rh	103	2,237,983.82	0.66	101.3	Analog	0.10	3
1	In	115	4,503,434.32	1.02	110.6	Analog	0.10	3
2	In	115	1,051,121.26	0.20	100.9	Pulse	0.10	3
1	Tb	159	8,191,803.42	0.14	116.9	Analog	0.10	3
2	Tb	159	4,612,322.12	0.51	110.6	Analog	0.10	3
1	Ho	165	8,087,644.05	0.51	119.0	Analog	0.10	3
2	Ho	165	4,602,093.27	0.64	111.6	Analog	0.10	3
1	Bi	209	4,953,366.59	0.72	113.2	Analog	0.10	3
2	Bi	209	3,198,601.51	0.17	108.4	Analog	0.10	3

Quantitation Report

File Name	050SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 20:20
Sample Name	C25285-16 4
Sample Type	Sample
Comment	22
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.686	ug/l	3.96	2,129.50	1.625E-03	Pulse	0.25	3
B	11	6	1	69.596	ug/l	2.77	83,180.20	6.346E-02	Pulse	0.15	3
Na	23	45	1	21685.659	ug/l	0.65	113,013,878.31	4.660E+01	Analog	0.10	3
Na	23	45	2	24043.055	ug/l	1.06	4,887,868.89	3.618E+01	Analog	0.20	3
Mg	24	45	1	13286.277	ug/l	0.38	45,918,277.65	1.893E+01	Analog	0.10	3
Mg	24	45	2	14200.440	ug/l	1.52	1,458,237.53	1.080E+01	Analog	0.20	3
Al	27	45	1	65207.959	ug/l	0.96	299,076,288.88	1.233E+02	Analog	0.10	3
Al	27	45	2	67060.742	ug/l	1.11	2,556,648.61	1.893E+01	Analog	0.20	3
K	39	45	1	7817.199	ug/l	0.61	47,235,520.96	1.948E+01	Analog	0.10	3
K	39	45	2	7817.431	ug/l	1.03	777,973.56	5.759E+00	Pulse	0.20	3
Ca	43	45	1	87740.128	ug/l	0.46	1,038,935.86	4.284E-01	Pulse	1.50	3
Ca	43	45	2	86364.209	ug/l	1.20	28,228.56	2.090E-01	Pulse	1.50	3
Ca	44	45	1	89327.076	ug/l	0.93	17,163,621.83	7.078E+00	Analog	0.10	3
Ca	44	45	2	89731.977	ug/l	1.32	488,631.42	3.617E+00	Pulse	0.20	3
Ti	47	45	1	1716.775	ug/l	1.06	1,001,570.82	4.130E-01	Pulse	0.10	3
Ti	47	45	2	1826.222	ug/l	1.09	71,122.95	5.265E-01	Pulse	0.20	3
V	51	45	2	233.005	ug/l	1.40	255,236.01	1.889E+00	Pulse	0.20	3
Cr	52	45	2	1574.880	ug/l	1.16	2,245,611.79	1.662E+01	Analog	0.20	3
Mn	55	45	2	1449.899	ug/l	1.10	1,189,881.15	8.808E+00	Pulse	0.20	3
Fe	56	45	2	131252.906	ug/l	1.05	149,326,924.44	1.105E+03	Analog	0.20	3
Co	59	45	2	87.550	ug/l	0.67	188,204.64	1.393E+00	Pulse	0.20	3
Ni	60	45	2	1085.870	ug/l	0.79	614,820.00	4.551E+00	Pulse	0.20	3
Cu	63	45	2	706.127	ug/l	1.23	1,078,359.72	7.983E+00	Pulse	0.20	3
Cu	65	45	2	711.178	ug/l	1.24	533,677.66	3.951E+00	Pulse	0.20	3
Zn	66	45	2	11375.541	ug/l	1.30	3,031,905.06	2.244E+01	Analog	0.20	3
As	75	45	2	97.401	ug/l	0.41	15,939.83	1.180E-01	Pulse	0.50	3
Se	78	45	2	4.998	ug/l	10.63	88.33	6.541E-04	Pulse	1.00	3
Se	78	45	3	1.279	ug/l	8.57	68.00	2.718E-04	Pulse	1.00	3
Sr	88	45	1	417.876	ug/l	0.82	5,643,656.79	2.327E+00	Analog	0.10	3
Mo	95	103	1	34.525	ug/l	2.06	78,408.92	2.203E-02	Pulse	0.10	3
Ag	107	115	1	10.140	ug/l	1.05	56,504.90	1.288E-02	Pulse	0.10	3
Cd	111	115	1	11.920	ug/l	0.92	15,885.49	3.622E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	12.635	ug/l	2.73	6,574.79	6.438E-03	Pulse	0.25	3
Sn	117	115	1	42.811	ug/l	2.00	55,137.07	1.257E-02	Pulse	0.10	3
Sn	118	115	1	43.164	ug/l	1.02	180,041.87	4.105E-02	Pulse	0.10	3
Sn	118	115	2	46.135	ug/l	0.94	54,532.09	5.341E-02	Pulse	0.10	3
Sn	119	115	1	43.819	ug/l	0.87	66,284.14	1.511E-02	Pulse	0.10	3
Sb	121	159	1	7.270	ug/l	2.96	33,085.82	4.038E-03	Pulse	0.10	3
Ba	137	159	1	919.734	ug/l	1.24	2,128,075.59	2.597E-01	Analog	0.10	3
Tl	205	209	1	0.291	ug/l	9.22	4,557.54	9.381E-04	Pulse	0.10	3
Pb	208	209	1	624.629	ug/l	1.45	11,910,258.26	2.452E+00	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,310,846.17	0.03	91.6	Analog	0.10	3
1	Sc	45	2,425,038.04	0.27	102.1	Analog	0.10	3
2	Sc	45	135,091.48	0.73	99.5	Pulse	0.10	3
3	Sc	45	250,105.03	0.80	105.3	Pulse	0.10	3
1	Ge	72	479,851.07	0.73	97.9	Pulse	0.10	3
2	Ge	72	79,903.00	0.70	99.0	Pulse	0.10	3
3	Ge	72	120,919.29	0.61	102.3	Pulse	0.10	3
1	Rh	103	3,559,092.76	0.47	99.6	Analog	0.10	3
2	Rh	103	2,205,358.35	0.08	99.8	Analog	0.10	3
1	In	115	4,385,558.31	0.68	107.7	Analog	0.10	3
2	In	115	1,021,093.10	1.11	98.0	Pulse	0.10	3
1	Tb	159	8,193,944.67	0.41	116.9	Analog	0.10	3
2	Tb	159	4,521,907.95	0.14	108.4	Analog	0.10	3
1	Ho	165	8,055,155.92	0.31	118.5	Analog	0.10	3
2	Ho	165	4,485,495.46	0.53	108.8	Analog	0.10	3
1	Bi	209	4,858,580.34	0.50	111.1	Analog	0.10	3
2	Bi	209	3,035,429.01	0.23	102.8	Analog	0.10	3

Quantitation Report

File Name	051SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 20:25
Sample Name	C25285-18conf
Sample Type	Sample
Comment	23
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.213	ug/l	6.30	289.34	2.082E-04	Pulse	0.25	3
B	11	6	1	54.656	ug/l	1.02	69,474.63	5.000E-02	Pulse	0.15	3
Na	23	45	1	16579.035	ug/l	0.84	84,664,065.40	3.564E+01	Analog	0.10	3
Na	23	45	2	18331.112	ug/l	1.69	3,566,389.63	2.760E+01	Analog	0.20	3
Mg	24	45	1	3337.669	ug/l	0.89	11,301,163.16	4.757E+00	Analog	0.10	3
Mg	24	45	2	3464.856	ug/l	1.42	340,506.31	2.635E+00	Pulse	0.20	3
Al	27	45	1	6392.232	ug/l	1.50	28,722,932.91	1.209E+01	Analog	0.10	3
Al	27	45	2	6402.902	ug/l	2.21	233,557.81	1.807E+00	Pulse	0.20	3
K	39	45	1	5069.606	ug/l	0.95	30,207,871.22	1.272E+01	Analog	0.10	3
K	39	45	2	5098.868	ug/l	1.47	486,946.92	3.768E+00	Pulse	0.20	3
Ca	43	45	1	24030.538	ug/l	1.00	278,760.80	1.174E-01	Pulse	1.50	3
Ca	43	45	2	23269.760	ug/l	2.75	7,310.49	5.657E-02	Pulse	1.50	3
Ca	44	45	1	24627.538	ug/l	0.65	4,636,605.87	1.952E+00	Analog	0.10	3
Ca	44	45	2	24286.427	ug/l	1.47	126,545.59	9.791E-01	Pulse	0.20	3
Ti	47	45	1	330.062	ug/l	1.16	188,678.34	7.943E-02	Pulse	0.10	3
Ti	47	45	2	347.452	ug/l	2.38	12,945.24	1.002E-01	Pulse	0.20	3
V	51	45	2	24.599	ug/l	2.57	26,035.78	2.014E-01	Pulse	0.20	3
Cr	52	45	2	115.144	ug/l	1.12	157,972.13	1.222E+00	Pulse	0.20	3
Mn	55	45	2	240.849	ug/l	0.62	189,143.00	1.463E+00	Pulse	0.20	3
Fe	56	45	2	16249.487	ug/l	1.38	17,689,215.16	1.369E+02	Analog	0.20	3
Co	59	45	2	6.111	ug/l	3.11	12,585.01	9.739E-02	Pulse	0.20	3
Ni	60	45	2	44.758	ug/l	0.40	24,356.64	1.884E-01	Pulse	0.20	3
Cu	63	45	2	88.567	ug/l	1.61	129,498.53	1.002E+00	Pulse	0.20	3
Cu	65	45	2	87.513	ug/l	0.53	62,873.70	4.864E-01	Pulse	0.20	3
Zn	66	45	2	1484.090	ug/l	1.41	378,486.73	2.928E+00	Pulse	0.20	3
As	75	45	2	4.588	ug/l	5.11	730.02	5.649E-03	Pulse	0.50	3
Se	78	45	2	0.661	ug/l	79.95	17.00	1.309E-04	Pulse	1.00	3
Se	78	45	3	0.230	ug/l	24.48	12.67	5.015E-05	Pulse	1.00	3
Sr	88	45	1	90.651	ug/l	0.71	1,199,543.78	5.050E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	3.162	ug/l	2.69	7,582.11	2.032E-03	Pulse	0.10	3
Ag	107	115	1	0.338	ug/l	2.97	2,033.55	4.464E-04	Pulse	0.10	3
Cd	111	115	1	1.992	ug/l	1.96	2,766.95	6.073E-04	Pulse	0.25	3
Cd	111	115	2	2.125	ug/l	7.77	1,126.72	1.085E-03	Pulse	0.25	3
Sn	117	115	1	9.064	ug/l	3.28	12,185.21	2.675E-03	Pulse	0.10	3
Sn	118	115	1	9.118	ug/l	2.57	39,730.92	8.721E-03	Pulse	0.10	3
Sn	118	115	2	9.818	ug/l	1.84	11,848.22	1.141E-02	Pulse	0.10	3
Sn	119	115	1	9.705	ug/l	3.24	15,344.64	3.369E-03	Pulse	0.10	3
Sb	121	159	1	5.027	ug/l	1.82	23,051.02	2.798E-03	Pulse	0.10	3
Ba	137	159	1	147.079	ug/l	0.43	342,661.36	4.160E-02	Pulse	0.10	3
Tl	205	209	1	0.170	ug/l	3.16	2,990.41	6.055E-04	Pulse	0.10	3
Pb	208	209	1	180.886	ug/l	1.51	3,506,408.90	7.100E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,389,396.43	0.13	97.1	Analog	0.10	3
1	Sc	45	2,375,474.91	0.41	100.0	Analog	0.10	3
2	Sc	45	129,262.84	1.62	95.2	Pulse	0.10	3
3	Sc	45	252,436.07	0.88	106.3	Pulse	0.10	3
1	Ge	72	491,960.81	0.63	100.4	Pulse	0.10	3
2	Ge	72	79,912.51	0.96	99.0	Pulse	0.10	3
3	Ge	72	124,391.89	2.17	105.2	Pulse	0.10	3
1	Rh	103	3,730,398.07	1.10	104.3	Analog	0.10	3
2	Rh	103	2,241,324.03	0.63	101.4	Analog	0.10	3
1	In	115	4,555,600.89	0.59	111.9	Analog	0.10	3
2	In	115	1,038,607.57	0.14	99.7	Pulse	0.10	3
1	Tb	159	8,237,703.00	0.23	117.5	Analog	0.10	3
2	Tb	159	4,595,456.18	0.89	110.2	Analog	0.10	3
1	Ho	165	8,120,558.00	1.06	119.4	Analog	0.10	3
2	Ho	165	4,612,173.16	0.41	111.9	Analog	0.10	3
1	Bi	209	4,938,783.57	0.51	112.9	Analog	0.10	3
2	Bi	209	3,173,588.70	0.79	107.5	Analog	0.10	3

Quantitation Report

File Name	052SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 20:30
Sample Name	C25285-19conf
Sample Type	Sample
Comment	24
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.322	ug/l	16.95	445.35	3.137E-04	Pulse	0.25	3
B	11	6	1	62.180	ug/l	2.29	80,605.56	5.678E-02	Pulse	0.15	3
Na	23	45	1	19788.998	ug/l	2.03	103,343,308.46	4.253E+01	Analog	0.10	3
Na	23	45	2	21529.475	ug/l	1.58	4,399,852.02	3.240E+01	Analog	0.20	3
Mg	24	45	1	4771.796	ug/l	1.28	16,526,260.59	6.801E+00	Analog	0.10	3
Mg	24	45	2	4874.137	ug/l	0.97	503,207.56	3.706E+00	Pulse	0.20	3
Al	27	45	1	12368.715	ug/l	2.09	56,844,262.49	2.339E+01	Analog	0.10	3
Al	27	45	2	12171.871	ug/l	2.14	466,433.78	3.435E+00	Pulse	0.20	3
K	39	45	1	6024.980	ug/l	2.23	36,611,266.12	1.507E+01	Analog	0.10	3
K	39	45	2	5928.513	ug/l	1.30	594,112.17	4.375E+00	Pulse	0.20	3
Ca	43	45	1	30574.073	ug/l	1.47	362,781.47	1.493E-01	Pulse	1.50	3
Ca	43	45	2	29132.395	ug/l	2.48	9,603.20	7.073E-02	Pulse	1.50	3
Ca	44	45	1	31201.847	ug/l	1.78	6,008,242.20	2.473E+00	Analog	0.10	3
Ca	44	45	2	30408.661	ug/l	1.95	166,447.95	1.226E+00	Pulse	0.20	3
Ti	47	45	1	673.994	ug/l	0.88	394,047.22	1.622E-01	Pulse	0.10	3
Ti	47	45	2	712.104	ug/l	0.84	27,881.96	2.053E-01	Pulse	0.20	3
V	51	45	2	39.258	ug/l	3.35	43,462.07	3.201E-01	Pulse	0.20	3
Cr	52	45	2	159.638	ug/l	1.20	229,705.29	1.692E+00	Pulse	0.20	3
Mn	55	45	2	416.113	ug/l	1.24	343,264.58	2.528E+00	Pulse	0.20	3
Fe	56	45	2	25254.773	ug/l	1.42	28,882,215.40	2.127E+02	Analog	0.20	3
Co	59	45	2	11.747	ug/l	1.66	25,408.25	1.871E-01	Pulse	0.20	3
Ni	60	45	2	61.824	ug/l	2.18	35,293.17	2.599E-01	Pulse	0.20	3
Cu	63	45	2	102.000	ug/l	1.42	156,668.50	1.154E+00	Pulse	0.20	3
Cu	65	45	2	102.043	ug/l	0.58	77,011.71	5.671E-01	Pulse	0.20	3
Zn	66	45	2	1578.120	ug/l	1.18	422,831.63	3.114E+00	Pulse	0.20	3
As	75	45	2	5.679	ug/l	5.76	946.70	6.970E-03	Pulse	0.50	3
Se	78	45	2	0.656	ug/l	92.78	17.67	1.303E-04	Pulse	1.00	3
Se	78	45	3	0.324	ug/l	11.37	18.33	6.988E-05	Pulse	1.00	3
Sr	88	45	1	105.137	ug/l	1.83	1,423,003.52	5.856E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	4.529	ug/l	4.46	10,940.82	2.904E-03	Pulse	0.10	3
Ag	107	115	1	0.306	ug/l	4.51	1,856.85	4.069E-04	Pulse	0.10	3
Cd	111	115	1	1.994	ug/l	0.56	2,773.62	6.078E-04	Pulse	0.25	3
Cd	111	115	2	2.254	ug/l	1.65	1,212.07	1.151E-03	Pulse	0.25	3
Sn	117	115	1	10.719	ug/l	2.18	14,420.40	3.160E-03	Pulse	0.10	3
Sn	118	115	1	10.785	ug/l	1.75	47,021.12	1.030E-02	Pulse	0.10	3
Sn	118	115	2	11.433	ug/l	0.82	13,983.33	1.328E-02	Pulse	0.10	3
Sn	119	115	1	11.024	ug/l	2.84	17,443.59	3.823E-03	Pulse	0.10	3
Sb	121	159	1	1.848	ug/l	5.48	8,659.39	1.041E-03	Pulse	0.10	3
Ba	137	159	1	206.865	ug/l	0.40	486,377.26	5.847E-02	Pulse	0.10	3
Tl	205	209	1	0.160	ug/l	5.89	2,863.73	5.781E-04	Pulse	0.10	3
Pb	208	209	1	106.875	ug/l	0.88	2,078,253.22	4.195E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,419,750.27	0.48	99.2	Analog	0.10	3
1	Sc	45	2,430,061.06	0.80	102.3	Analog	0.10	3
2	Sc	45	135,801.27	1.49	100.0	Pulse	0.10	3
3	Sc	45	262,325.59	0.48	110.5	Pulse	0.10	3
1	Ge	72	501,045.03	0.63	102.2	Pulse	0.10	3
2	Ge	72	81,745.44	0.28	101.3	Pulse	0.10	3
3	Ge	72	129,350.02	0.35	109.4	Pulse	0.10	3
1	Rh	103	3,767,609.74	0.14	105.4	Analog	0.10	3
2	Rh	103	2,287,097.57	1.11	103.5	Analog	0.10	3
1	In	115	4,563,432.36	0.42	112.1	Analog	0.10	3
2	In	115	1,053,263.10	0.09	101.1	Pulse	0.10	3
1	Tb	159	8,317,688.63	0.30	118.7	Analog	0.10	3
2	Tb	159	4,680,579.93	0.47	112.2	Analog	0.10	3
1	Ho	165	8,149,804.04	0.35	119.9	Analog	0.10	3
2	Ho	165	4,674,921.08	0.90	113.4	Analog	0.10	3
1	Bi	209	4,953,533.78	0.26	113.2	Analog	0.10	3
2	Bi	209	3,206,273.91	1.00	108.6	Analog	0.10	3

Quantitation Report

File Name	053SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 20:36
Sample Name	C25285-20conf
Sample Type	Sample
Comment	25
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.070	ug/l	21.95	101.33	7.113E-05	Pulse	0.25	3
B	11	6	1	56.230	ug/l	0.60	73,302.02	5.142E-02	Pulse	0.15	3
Na	23	45	1	831.777	ug/l	0.52	4,295,620.46	1.836E+00	Analog	0.10	3
Na	23	45	2	876.678	ug/l	1.05	171,775.24	1.350E+00	Pulse	0.20	3
Mg	24	45	1	92.581	ug/l	1.30	311,088.02	1.330E-01	Pulse	0.10	3
Mg	24	45	2	95.273	ug/l	4.66	9,304.42	7.315E-02	Pulse	0.20	3
Al	27	45	1	41.880	ug/l	0.58	190,355.70	8.138E-02	Pulse	0.10	3
Al	27	45	2	42.860	ug/l	4.06	1,566.78	1.232E-02	Pulse	0.20	3
K	39	45	1	52.185	ug/l	0.03	865,223.01	3.699E-01	Pulse	0.10	3
K	39	45	2	64.563	ug/l	6.43	10,161.61	7.988E-02	Pulse	0.20	3
Ca	43	45	1	3329.625	ug/l	1.09	38,075.18	1.628E-02	Pulse	1.50	3
Ca	43	45	2	3022.374	ug/l	1.35	975.59	7.666E-03	Pulse	1.50	3
Ca	44	45	1	3350.384	ug/l	0.31	622,681.50	2.662E-01	Pulse	0.10	3
Ca	44	45	2	3202.666	ug/l	0.68	16,445.13	1.292E-01	Pulse	0.20	3
Ti	47	45	1	0.471	ug/l	15.16	330.02	1.411E-04	Pulse	0.10	3
Ti	47	45	2	0.502	ug/l	58.10	18.33	1.447E-04	Pulse	0.20	3
V	51	45	2	2.203	ug/l	2.43	2,541.91	1.998E-02	Pulse	0.20	3
Cr	52	45	2	2.677	ug/l	6.53	4,529.03	3.559E-02	Pulse	0.20	3
Mn	55	45	2	2.270	ug/l	4.98	1,760.13	1.383E-02	Pulse	0.20	3
Fe	56	45	2	57.185	ug/l	2.62	62,986.38	4.950E-01	Pulse	0.20	3
Co	59	45	2	0.102	ug/l	22.12	226.67	1.784E-03	Pulse	0.20	3
Ni	60	45	2	1.883	ug/l	5.36	1,113.39	8.754E-03	Pulse	0.20	3
Cu	63	45	2	5.337	ug/l	1.39	7,778.63	6.114E-02	Pulse	0.20	3
Cu	65	45	2	5.322	ug/l	2.23	3,798.84	2.986E-02	Pulse	0.20	3
Zn	66	45	2	16.465	ug/l	3.34	4,168.94	3.277E-02	Pulse	0.20	3
As	75	45	2	0.228	ug/l	23.02	47.33	3.721E-04	Pulse	0.50	3
Se	78	45	2	0.054	ug/l	183.56	7.33	5.764E-05	Pulse	1.00	3
Se	78	45	3	0.121	ug/l	50.94	6.67	2.690E-05	Pulse	1.00	3
Sr	88	45	1	3.952	ug/l	1.02	51,844.84	2.216E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.540	ug/l	10.90	1,393.45	3.601E-04	Pulse	0.10	3
Ag	107	115	1	0.007	ug/l	51.97	123.34	2.663E-05	Pulse	0.10	3
Cd	111	115	1	0.014	ug/l	45.86	30.67	6.619E-06	Pulse	0.25	3
Cd	111	115	2	0.015	ug/l	28.03	10.67	1.017E-05	Pulse	0.25	3
Sn	117	115	1	0.452	ug/l	7.25	690.04	1.490E-04	Pulse	0.10	3
Sn	118	115	1	0.455	ug/l	3.09	2,290.26	4.945E-04	Pulse	0.10	3
Sn	118	115	2	0.473	ug/l	6.81	630.04	6.012E-04	Pulse	0.10	3
Sn	119	115	1	0.557	ug/l	9.88	1,013.41	2.188E-04	Pulse	0.10	3
Sb	121	159	1	0.125	ug/l	29.23	743.38	8.829E-05	Pulse	0.10	3
Ba	137	159	1	0.752	ug/l	7.04	2,430.28	2.882E-04	Pulse	0.10	3
Tl	205	209	1	0.020	ug/l	49.52	980.07	1.896E-04	Pulse	0.10	3
Pb	208	209	1	0.187	ug/l	3.66	4,363.79	8.442E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,425,531.36	0.75	99.6	Analog	0.10	3
1	Sc	45	2,339,180.12	0.64	98.5	Analog	0.10	3
2	Sc	45	127,244.20	1.29	93.7	Pulse	0.10	3
3	Sc	45	247,926.73	0.08	104.4	Pulse	0.10	3
1	Ge	72	505,428.10	0.82	103.1	Pulse	0.10	3
2	Ge	72	80,666.94	1.66	100.0	Pulse	0.10	3
3	Ge	72	125,689.38	1.30	106.3	Pulse	0.10	3
1	Rh	103	3,869,701.61	0.53	108.2	Analog	0.10	3
2	Rh	103	2,287,466.27	0.93	103.5	Analog	0.10	3
1	In	115	4,631,277.97	0.21	113.7	Analog	0.10	3
2	In	115	1,048,141.27	1.03	100.6	Pulse	0.10	3
1	Tb	159	8,429,559.67	0.80	120.2	Analog	0.10	3
2	Tb	159	4,633,844.62	1.42	111.1	Analog	0.10	3
1	Ho	165	8,257,224.88	0.61	121.4	Analog	0.10	3
2	Ho	165	4,641,186.39	0.56	112.6	Analog	0.10	3
1	Bi	209	5,169,354.19	0.19	118.2	Analog	0.10	3
2	Bi	209	3,325,884.22	0.22	112.7	Analog	0.10	3

Quantitation Report

File Name	054SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 20:41
Sample Name	C25285-17conf
Sample Type	Sample
Comment	26
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.753	ug/l	7.15	961.38	6.780E-04	Pulse	0.25	3
B	11	6	1	68.878	ug/l	1.70	36,285.86	2.560E-02	Pulse	0.15	3
Na	23	45	1	58975.394	ug/l	0.39	130,757,011.39	5.069E+01	Analog	0.10	3
Na	23	45	2	64382.339	ug/l	2.66	5,507,780.75	3.875E+01	Analog	0.20	3
Mg	24	45	1	17166.356	ug/l	0.62	25,243,491.29	9.786E+00	Analog	0.10	3
Mg	24	45	2	17586.954	ug/l	2.79	760,075.35	5.348E+00	Pulse	0.20	3
Al	27	45	1	83500.527	ug/l	0.81	162,944,214.24	6.317E+01	Analog	0.10	3
Al	27	45	2	85489.499	ug/l	1.85	1,371,790.29	9.651E+00	Analog	0.20	3
K	39	45	1	10570.338	ug/l	1.21	27,459,914.59	1.065E+01	Analog	0.10	3
K	39	45	2	10642.059	ug/l	2.92	447,783.52	3.151E+00	Pulse	0.20	3
Ca	43	45	1	81608.739	ug/l	1.07	411,158.15	1.594E-01	Pulse	1.50	3
Ca	43	45	2	79990.764	ug/l	3.61	11,034.08	7.765E-02	Pulse	1.50	3
Ca	44	45	1	83014.020	ug/l	0.85	6,787,511.36	2.631E+00	Analog	0.10	3
Ca	44	45	2	82841.487	ug/l	1.72	189,877.04	1.336E+00	Pulse	0.20	3
Ti	47	45	1	869.482	ug/l	1.20	215,869.52	8.369E-02	Pulse	0.10	3
Ti	47	45	2	904.100	ug/l	1.19	14,821.87	1.043E-01	Pulse	0.20	3
V	51	45	2	186.652	ug/l	2.93	86,246.58	6.069E-01	Pulse	0.20	3
Cr	52	45	2	327.354	ug/l	3.13	197,386.72	1.389E+00	Pulse	0.20	3
Mn	55	45	2	1431.956	ug/l	2.48	494,553.65	3.480E+00	Pulse	0.20	3
Fe	56	45	2	60678.897	ug/l	1.97	29,055,926.24	2.044E+02	Analog	0.20	3
Co	59	45	2	45.583	ug/l	2.50	41,253.60	2.903E-01	Pulse	0.20	3
Ni	60	45	2	1937.631	ug/l	1.90	461,785.54	3.249E+00	Pulse	0.20	3
Cu	63	45	2	504.691	ug/l	2.57	324,438.30	2.283E+00	Pulse	0.20	3
Cu	65	45	2	509.256	ug/l	2.02	160,866.31	1.132E+00	Pulse	0.20	3
Zn	66	45	2	5658.917	ug/l	2.14	634,801.58	4.466E+00	Pulse	0.20	3
As	75	45	2	119.010	ug/l	1.22	8,205.45	5.772E-02	Pulse	0.50	3
Se	78	45	2	7.350	ug/l	17.01	57.67	4.059E-04	Pulse	1.00	3
Se	78	45	3	1.157	ug/l	4.86	27.67	9.929E-05	Pulse	1.00	3
Sr	88	45	1	571.180	ug/l	0.64	3,282,258.39	1.272E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	16.053	ug/l	2.75	16,148.76	4.110E-03	Pulse	0.10	3
Ag	107	115	1	0.350	ug/l	7.31	943.40	1.957E-04	Pulse	0.10	3
Cd	111	115	1	9.599	ug/l	3.87	5,631.75	1.168E-03	Pulse	0.25	3
Cd	111	115	2	10.026	ug/l	8.01	2,225.52	2.045E-03	Pulse	0.25	3
Sn	117	115	1	8.861	ug/l	1.97	5,091.02	1.056E-03	Pulse	0.10	3
Sn	118	115	1	8.750	ug/l	3.47	16,322.37	3.386E-03	Pulse	0.10	3
Sn	118	115	2	9.361	ug/l	1.65	4,770.89	4.384E-03	Pulse	0.10	3
Sn	119	115	1	9.389	ug/l	4.81	6,364.89	1.320E-03	Pulse	0.10	3
Sb	121	159	1	2.239	ug/l	0.52	4,484.20	5.143E-04	Pulse	0.10	3
Ba	137	159	1	134.971	ug/l	1.61	133,554.13	1.532E-02	Pulse	0.10	3
Tl	205	209	1	0.116	ug/l	20.04	1,380.13	2.633E-04	Pulse	0.10	3
Pb	208	209	1	122.465	ug/l	0.73	1,008,354.77	1.924E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,417,312.99	1.08	99.0	Analog	0.10	3
1	Sc	45	2,579,513.35	0.95	108.6	Analog	0.10	3
2	Sc	45	142,170.40	2.07	104.7	Pulse	0.10	3
3	Sc	45	278,593.13	0.80	117.3	Pulse	0.10	3
1	Ge	72	519,024.02	0.57	105.9	Pulse	0.10	3
2	Ge	72	86,188.14	1.19	106.8	Pulse	0.10	3
3	Ge	72	132,434.69	1.97	112.0	Pulse	0.10	3
1	Rh	103	3,929,259.63	0.85	109.9	Analog	0.10	3
2	Rh	103	2,343,290.07	0.80	106.0	Analog	0.10	3
1	In	115	4,821,306.00	0.60	118.4	Analog	0.10	3
2	In	115	1,088,141.56	0.34	104.4	Pulse	0.10	3
1	Tb	159	8,719,176.54	0.32	124.4	Analog	0.10	3
2	Tb	159	4,784,868.68	0.51	114.7	Analog	0.10	3
1	Ho	165	8,566,323.21	0.50	126.0	Analog	0.10	3
2	Ho	165	4,797,963.16	0.18	116.4	Analog	0.10	3
1	Bi	209	5,242,280.03	1.05	119.8	Analog	0.10	3
2	Bi	209	3,353,232.97	0.57	113.6	Analog	0.10	3

Quantitation Report

File Name	055SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 20:46
Sample Name	MP68736-SD2
Sample Type	Sample
Comment	27
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	2.108	ug/l	17.43	253.34	1.659E-04	Pulse	0.25	3
B	11	6	1	107.479	ug/l	0.81	13,043.12	8.536E-03	Pulse	0.15	3
Na	23	45	1	67497.435	ug/l	1.04	30,733,094.54	1.164E+01	Analog	0.10	3
Na	23	45	2	75780.739	ug/l	1.43	1,352,100.40	9.148E+00	Analog	0.20	3
Mg	24	45	1	19676.362	ug/l	1.42	5,924,329.50	2.244E+00	Analog	0.10	3
Mg	24	45	2	20770.334	ug/l	1.26	186,807.43	1.264E+00	Pulse	0.20	3
Al	27	45	1	94559.007	ug/l	1.02	37,773,786.10	1.431E+01	Analog	0.10	3
Al	27	45	2	96813.491	ug/l	1.28	323,128.89	2.186E+00	Pulse	0.20	3
K	39	45	1	12028.130	ug/l	0.83	6,888,282.19	2.609E+00	Analog	0.10	3
K	39	45	2	12290.028	ug/l	1.23	111,275.41	7.528E-01	Pulse	0.20	3
Ca	43	45	1	93498.909	ug/l	0.95	96,462.61	3.654E-02	Pulse	1.50	3
Ca	43	45	2	91877.780	ug/l	0.65	2,678.44	1.812E-02	Pulse	1.50	3
Ca	44	45	1	96021.536	ug/l	1.05	1,608,535.76	6.093E-01	Analog	0.10	3
Ca	44	45	2	96582.667	ug/l	2.85	46,052.15	3.116E-01	Pulse	0.20	3
Ti	47	45	1	990.080	ug/l	2.11	50,367.75	1.908E-02	Pulse	0.10	3
Ti	47	45	2	1007.084	ug/l	2.10	3,433.77	2.323E-02	Pulse	0.20	3
V	51	45	2	216.371	ug/l	1.38	21,041.96	1.423E-01	Pulse	0.20	3
Cr	52	45	2	383.271	ug/l	2.91	48,907.24	3.309E-01	Pulse	0.20	3
Mn	55	45	2	1681.644	ug/l	1.99	120,805.93	8.173E-01	Pulse	0.20	3
Fe	56	45	2	70206.381	ug/l	0.79	6,994,096.36	4.732E+01	Analog	0.20	3
Co	59	45	2	52.429	ug/l	1.09	9,888.15	6.690E-02	Pulse	0.20	3
Ni	60	45	2	2279.784	ug/l	0.93	113,101.96	7.652E-01	Pulse	0.20	3
Cu	63	45	2	593.106	ug/l	1.17	79,406.03	5.372E-01	Pulse	0.20	3
Cu	65	45	2	588.716	ug/l	1.36	38,717.54	2.619E-01	Pulse	0.20	3
Zn	66	45	2	6961.797	ug/l	0.18	162,480.67	1.099E+00	Pulse	0.20	3
As	75	45	2	142.706	ug/l	4.75	2,056.81	1.391E-02	Pulse	0.50	3
Se	78	45	2	6.842	ug/l	60.82	17.33	1.172E-04	Pulse	1.00	3
Se	78	45	3	1.659	ug/l	38.08	8.67	2.947E-05	Pulse	1.00	3
Sr	88	45	1	652.082	ug/l	0.61	767,277.70	2.907E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	16.926	ug/l	9.89	3,720.59	8.793E-04	Pulse	0.10	3
Ag	107	115	1	0.338	ug/l	43.16	270.02	5.242E-05	Pulse	0.10	3
Cd	111	115	1	10.404	ug/l	3.37	1,312.08	2.551E-04	Pulse	0.25	3
Cd	111	115	2	11.270	ug/l	11.05	542.69	4.618E-04	Pulse	0.25	3
Sn	117	115	1	9.801	ug/l	6.57	1,266.77	2.464E-04	Pulse	0.10	3
Sn	118	115	1	9.831	ug/l	2.83	4,160.73	8.091E-04	Pulse	0.10	3
Sn	118	115	2	9.996	ug/l	10.41	1,150.09	9.791E-04	Pulse	0.10	3
Sn	119	115	1	11.752	ug/l	1.31	1,803.51	3.507E-04	Pulse	0.10	3
Sb	121	159	1	2.885	ug/l	12.99	1,330.11	1.468E-04	Pulse	0.10	3
Ba	137	159	1	158.466	ug/l	0.76	33,112.95	3.655E-03	Pulse	0.10	3
Tl	205	209	1	0.124	ug/l	62.25	910.07	1.622E-04	Pulse	0.10	3
Pb	208	209	1	131.949	ug/l	1.51	233,081.85	4.154E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,528,057.79	0.67	106.8	Analog	0.10	3
1	Sc	45	2,639,835.90	0.61	111.1	Analog	0.10	3
2	Sc	45	147,825.33	1.12	108.8	Pulse	0.10	3
3	Sc	45	293,191.31	1.43	123.5	Pulse	0.10	3
1	Ge	72	554,255.76	0.60	113.1	Pulse	0.10	3
2	Ge	72	91,513.73	0.12	113.4	Pulse	0.10	3
3	Ge	72	144,989.96	0.81	122.6	Pulse	0.10	3
1	Rh	103	4,229,266.40	0.91	118.3	Analog	0.10	3
2	Rh	103	2,554,462.77	0.34	115.6	Analog	0.10	3
1	In	115	5,143,320.95	0.94	126.3	Analog	0.10	3
2	In	115	1,174,701.33	0.75	112.7	Pulse	0.10	3
1	Tb	159	9,059,673.61	1.17	129.2	Analog	0.10	3
2	Tb	159	4,998,187.43	0.47	119.8	Analog	0.10	3
1	Ho	165	8,849,720.91	0.55	130.2	Analog	0.10	3
2	Ho	165	5,005,112.84	0.49	121.4	Analog	0.10	3
1	Bi	209	5,611,276.59	0.36	128.3	Analog	0.10	3
2	Bi	209	3,608,899.84	0.90	122.3	Analog	0.10	3

Quantitation Report

File Name	056SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 20:51
Sample Name	C25285-6conf
Sample Type	Sample
Comment	28
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.054	ug/l	69.16	36.00	2.448E-05	Pulse	0.25	3
B	11	6	1	75.837	ug/l	1.59	41,459.81	2.811E-02	Pulse	0.15	3
Na	23	45	1	9988.335	ug/l	1.20	21,393,033.85	8.628E+00	Analog	0.10	3
Na	23	45	2	10707.126	ug/l	1.01	877,101.19	6.472E+00	Pulse	0.20	3
Mg	24	45	1	389.494	ug/l	0.57	553,178.29	2.231E-01	Pulse	0.10	3
Mg	24	45	2	428.034	ug/l	1.14	17,739.61	1.309E-01	Pulse	0.20	3
Al	27	45	1	531.261	ug/l	0.85	1,001,948.42	4.041E-01	Pulse	0.10	3
Al	27	45	2	544.597	ug/l	1.86	8,363.91	6.170E-02	Pulse	0.20	3
K	39	45	1	2030.066	ug/l	0.60	5,553,718.04	2.240E+00	Analog	0.10	3
K	39	45	2	2040.890	ug/l	2.75	85,455.26	6.306E-01	Pulse	0.20	3
Ca	43	45	1	11433.895	ug/l	0.80	55,423.19	2.235E-02	Pulse	1.50	3
Ca	43	45	2	10759.753	ug/l	3.65	1,458.73	1.076E-02	Pulse	1.50	3
Ca	44	45	1	11547.047	ug/l	0.56	909,260.74	3.667E-01	Pulse	0.10	3
Ca	44	45	2	11212.236	ug/l	2.50	24,516.74	1.809E-01	Pulse	0.20	3
Ti	47	45	1	28.004	ug/l	5.54	6,751.65	2.722E-03	Pulse	0.10	3
Ti	47	45	2	31.975	ug/l	5.78	500.02	3.687E-03	Pulse	0.20	3
V	51	45	2	6.366	ug/l	4.94	3,083.67	2.276E-02	Pulse	0.20	3
Cr	52	45	2	7.225	ug/l	1.04	5,129.24	3.784E-02	Pulse	0.20	3
Mn	55	45	2	38.839	ug/l	1.12	12,796.85	9.442E-02	Pulse	0.20	3
Fe	56	45	2	1215.179	ug/l	1.13	556,628.41	4.107E+00	Pulse	0.20	3
Co	59	45	2	0.638	ug/l	14.77	571.69	4.220E-03	Pulse	0.20	3
Ni	60	45	2	3.340	ug/l	13.59	875.04	6.460E-03	Pulse	0.20	3
Cu	63	45	2	9.986	ug/l	1.29	6,229.62	4.596E-02	Pulse	0.20	3
Cu	65	45	2	9.769	ug/l	7.68	2,982.00	2.200E-02	Pulse	0.20	3
Zn	66	45	2	113.708	ug/l	1.98	12,201.42	9.002E-02	Pulse	0.20	3
As	75	45	2	7.014	ug/l	1.67	473.34	3.492E-03	Pulse	0.50	3
Se	78	45	2	0.060	ug/l	514.29	7.33	5.400E-05	Pulse	1.00	3
Se	78	45	3	0.202	ug/l	36.67	5.00	1.846E-05	Pulse	1.00	3
Sr	88	45	1	14.478	ug/l	1.77	80,347.88	3.240E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.447	ug/l	14.33	530.03	1.298E-04	Pulse	0.10	3
Ag	107	115	1	0.016	ug/l	24.67	130.01	2.604E-05	Pulse	0.10	3
Cd	111	115	1	0.370	ug/l	12.56	236.01	4.725E-05	Pulse	0.25	3
Cd	111	115	2	0.426	ug/l	31.23	98.67	8.938E-05	Pulse	0.25	3
Sn	117	115	1	1.739	ug/l	11.23	1,100.08	2.204E-04	Pulse	0.10	3
Sn	118	115	1	1.803	ug/l	9.34	3,730.60	7.470E-04	Pulse	0.10	3
Sn	118	115	2	2.031	ug/l	18.03	1,096.75	9.937E-04	Pulse	0.10	3
Sn	119	115	1	1.884	ug/l	6.55	1,430.12	2.865E-04	Pulse	0.10	3
Sb	121	159	1	0.337	ug/l	18.84	830.06	9.376E-05	Pulse	0.10	3
Ba	137	159	1	15.049	ug/l	2.79	15,715.14	1.775E-03	Pulse	0.10	3
Tl	205	209	1	0.008	ug/l	158.70	786.72	1.433E-04	Pulse	0.10	3
Pb	208	209	1	5.329	ug/l	1.26	46,563.70	8.477E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,475,197.69	0.80	103.1	Analog	0.10	3
1	Sc	45	2,479,739.96	0.84	104.4	Analog	0.10	3
2	Sc	45	135,539.76	1.31	99.8	Pulse	0.10	3
3	Sc	45	270,471.29	1.38	113.9	Pulse	0.10	3
1	Ge	72	530,228.54	0.66	108.2	Pulse	0.10	3
2	Ge	72	84,978.70	1.13	105.3	Pulse	0.10	3
3	Ge	72	134,753.29	1.16	114.0	Pulse	0.10	3
1	Rh	103	4,085,270.04	0.85	114.3	Analog	0.10	3
2	Rh	103	2,417,103.98	0.77	109.4	Analog	0.10	3
1	In	115	4,993,114.78	0.61	122.6	Analog	0.10	3
2	In	115	1,103,663.38	0.12	105.9	Pulse	0.10	3
1	Tb	159	8,852,829.66	0.61	126.3	Analog	0.10	3
2	Tb	159	4,784,698.89	0.61	114.7	Analog	0.10	3
1	Ho	165	8,627,532.58	0.58	126.9	Analog	0.10	3
2	Ho	165	4,822,016.49	0.40	117.0	Analog	0.10	3
1	Bi	209	5,493,075.12	0.52	125.6	Analog	0.10	3
2	Bi	209	3,489,846.51	0.62	118.2	Analog	0.10	3

Quantitation Report

File Name	057SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 20:56
Sample Name	C25285-9 4
Sample Type	Sample
Comment	29
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.221	ug/l	6.65	129.33	8.874E-05	Pulse	0.25	3
B	11	6	1	96.433	ug/l	0.91	51,772.22	3.552E-02	Pulse	0.15	3
Na	23	45	1	47626.000	ug/l	0.50	102,933,088.46	4.095E+01	Analog	0.10	3
Na	23	45	2	52869.250	ug/l	0.72	4,508,077.22	3.183E+01	Analog	0.20	3
Mg	24	45	1	7162.853	ug/l	0.36	10,266,882.77	4.084E+00	Analog	0.10	3
Mg	24	45	2	7494.252	ug/l	0.99	322,832.33	2.279E+00	Pulse	0.20	3
Al	27	45	1	6614.172	ug/l	0.39	12,584,013.56	5.006E+00	Analog	0.10	3
Al	27	45	2	6704.955	ug/l	0.70	107,235.96	7.571E-01	Pulse	0.20	3
K	39	45	1	17656.872	ug/l	0.48	44,297,939.34	1.762E+01	Analog	0.10	3
K	39	45	2	18112.594	ug/l	0.36	756,283.09	5.340E+00	Pulse	0.20	3
Ca	43	45	1	132413.596	ug/l	0.09	650,154.05	2.586E-01	Pulse	1.50	3
Ca	43	45	2	131889.704	ug/l	1.33	18,098.64	1.278E-01	Pulse	1.50	3
Ca	44	45	1	134481.833	ug/l	0.35	10,715,135.26	4.262E+00	Analog	0.10	3
Ca	44	45	2	136161.007	ug/l	0.51	310,965.04	2.196E+00	Pulse	0.20	3
Ti	47	45	1	389.049	ug/l	0.30	94,176.99	3.746E-02	Pulse	0.10	3
Ti	47	45	2	382.792	ug/l	4.83	6,251.30	4.414E-02	Pulse	0.20	3
V	51	45	2	39.554	ug/l	1.22	18,453.86	1.303E-01	Pulse	0.20	3
Cr	52	45	2	153.360	ug/l	1.31	92,706.06	6.546E-01	Pulse	0.20	3
Mn	55	45	2	263.733	ug/l	1.61	90,770.77	6.409E-01	Pulse	0.20	3
Fe	56	45	2	18577.255	ug/l	0.52	8,865,538.82	6.260E+01	Analog	0.20	3
Co	59	45	2	5.294	ug/l	0.86	4,794.12	3.385E-02	Pulse	0.20	3
Ni	60	45	2	64.423	ug/l	1.30	15,415.80	1.088E-01	Pulse	0.20	3
Cu	63	45	2	47.878	ug/l	0.11	30,775.83	2.173E-01	Pulse	0.20	3
Cu	65	45	2	47.528	ug/l	2.31	14,998.77	1.059E-01	Pulse	0.20	3
Zn	66	45	2	1887.750	ug/l	1.28	211,040.76	1.490E+00	Pulse	0.20	3
As	75	45	2	18.936	ug/l	5.14	1,312.07	9.264E-03	Pulse	0.50	3
Se	78	45	2	0.842	ug/l	45.47	13.00	9.175E-05	Pulse	1.00	3
Se	78	45	3	0.514	ug/l	10.30	12.67	4.486E-05	Pulse	1.00	3
Sr	88	45	1	803.858	ug/l	0.44	4,501,654.31	1.791E+00	Analog	0.10	3
Mo	95	103	1	5.384	ug/l	3.55	5,524.52	1.389E-03	Pulse	0.10	3
Ag	107	115	1	0.163	ug/l	25.80	496.69	1.009E-04	Pulse	0.10	3
Cd	111	115	1	1.955	ug/l	5.55	1,180.07	2.398E-04	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	2.072	ug/l	8.51	481.35	4.246E-04	Pulse	0.25	3
Sn	117	115	1	2.673	ug/l	13.64	1,623.48	3.299E-04	Pulse	0.10	3
Sn	118	115	1	2.742	ug/l	5.85	5,431.15	1.104E-03	Pulse	0.10	3
Sn	118	115	2	2.990	ug/l	11.25	1,630.15	1.437E-03	Pulse	0.10	3
Sn	119	115	1	3.001	ug/l	8.52	2,166.91	4.403E-04	Pulse	0.10	3
Sb	121	159	1	1.923	ug/l	8.55	3,933.99	4.446E-04	Pulse	0.10	3
Ba	137	159	1	208.370	ug/l	1.14	208,797.34	2.361E-02	Pulse	0.10	3
Tl	205	209	1	0.093	ug/l	4.99	1,260.11	2.373E-04	Pulse	0.10	3
Pb	208	209	1	16.979	ug/l	1.12	142,105.13	2.676E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,457,411.34	0.10	101.8	Analog	0.10	3
1	Sc	45	2,513,855.79	0.62	105.8	Analog	0.10	3
2	Sc	45	141,632.01	0.55	104.3	Pulse	0.10	3
3	Sc	45	282,561.10	1.61	119.0	Pulse	0.10	3
1	Ge	72	523,760.84	1.11	106.8	Pulse	0.10	3
2	Ge	72	88,694.40	0.87	109.9	Pulse	0.10	3
3	Ge	72	138,065.04	1.26	116.8	Pulse	0.10	3
1	Rh	103	3,977,531.40	0.49	111.3	Analog	0.10	3
2	Rh	103	2,444,128.92	0.66	110.6	Analog	0.10	3
1	In	115	4,921,076.50	0.17	120.8	Analog	0.10	3
2	In	115	1,133,837.53	0.48	108.8	Pulse	0.10	3
1	Tb	159	8,845,669.24	0.76	126.2	Analog	0.10	3
2	Tb	159	4,915,580.03	0.43	117.8	Analog	0.10	3
1	Ho	165	8,706,064.46	0.31	128.1	Analog	0.10	3
2	Ho	165	4,921,960.97	0.41	119.4	Analog	0.10	3
1	Bi	209	5,309,553.26	0.70	121.4	Analog	0.10	3
2	Bi	209	3,413,968.28	0.30	115.7	Analog	0.10	3

Quantitation Report

File Name	058SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 21:01
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	47.393	ug/l	6.34	144,032.67	9.114E-02	Pulse	0.25	3
B	11	6	1	50.580	ug/l	6.59	145,184.47	9.187E-02	Pulse	0.15	3
Na	23	45	1	4474.817	ug/l	8.24	52,802,514.21	1.926E+01	Analog	0.10	3
Na	23	45	2	5385.299	ug/l	7.11	2,302,675.90	1.623E+01	Analog	0.20	3
Mg	24	45	1	4553.697	ug/l	7.58	35,594,111.14	1.298E+01	Analog	0.10	3
Mg	24	45	2	5112.299	ug/l	7.20	1,102,962.38	7.773E+00	Pulse	0.20	3
Al	27	45	1	4565.907	ug/l	8.01	47,353,170.96	1.727E+01	Analog	0.10	3
Al	27	45	2	4991.246	ug/l	7.67	399,712.07	2.818E+00	Pulse	0.20	3
K	39	45	1	4704.774	ug/l	8.45	64,127,332.38	2.340E+01	Analog	0.10	3
K	39	45	2	5165.437	ug/l	7.91	1,078,138.47	7.600E+00	Pulse	0.20	3
Ca	43	45	1	4734.682	ug/l	8.43	126,776.36	4.626E-02	Pulse	1.50	3
Ca	43	45	2	5102.013	ug/l	9.10	3,546.38	2.501E-02	Pulse	1.50	3
Ca	44	45	1	4825.558	ug/l	8.11	2,098,139.34	7.654E-01	Analog	0.10	3
Ca	44	45	2	5302.491	ug/l	6.95	60,685.34	4.276E-01	Pulse	0.20	3
Ti	47	45	1	45.334	ug/l	9.49	59,818.49	2.184E-02	Pulse	0.10	3
Ti	47	45	2	52.684	ug/l	9.75	4,305.66	3.038E-02	Pulse	0.20	3
V	51	45	2	56.265	ug/l	7.77	129,610.13	9.136E-01	Pulse	0.20	3
Cr	52	45	2	55.091	ug/l	8.13	165,942.00	1.170E+00	Pulse	0.20	3
Mn	55	45	2	54.246	ug/l	8.70	93,467.62	6.591E-01	Pulse	0.20	3
Fe	56	45	2	5369.853	ug/l	7.86	12,832,698.14	9.046E+01	Analog	0.20	3
Co	59	45	2	54.652	ug/l	6.78	246,851.30	1.739E+00	Pulse	0.20	3
Ni	60	45	2	53.978	ug/l	8.02	64,296.87	4.533E-01	Pulse	0.20	3
Cu	63	45	2	53.359	ug/l	7.52	171,278.54	1.207E+00	Pulse	0.20	3
Cu	65	45	2	53.206	ug/l	8.94	83,847.78	5.914E-01	Pulse	0.20	3
Zn	66	45	2	54.949	ug/l	10.52	30,762.42	2.171E-01	Pulse	0.20	3
As	75	45	2	55.137	ug/l	7.73	18,949.73	1.336E-01	Pulse	0.50	3
Se	78	45	2	54.301	ug/l	9.25	1,865.11	1.316E-02	Pulse	1.00	3
Se	78	45	3	51.266	ug/l	2.94	6,324.58	2.169E-02	Pulse	1.00	3
Sr	88	45	1	52.812	ug/l	8.57	1,612,459.04	5.884E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	46.744	ug/l	8.02	261,627.15	5.963E-02	Pulse	0.10	3
Ag	107	115	1	45.052	ug/l	8.38	600,501.19	1.144E-01	Pulse	0.10	3
Cd	111	115	1	47.087	ug/l	8.51	150,178.22	2.860E-02	Pulse	0.25	3
Cd	111	115	2	54.951	ug/l	6.83	61,629.87	5.599E-02	Pulse	0.25	3
Sn	117	115	1	48.392	ug/l	7.35	149,228.26	2.840E-02	Pulse	0.10	3
Sn	118	115	1	47.690	ug/l	7.07	476,296.49	9.064E-02	Pulse	0.10	3
Sn	118	115	2	55.586	ug/l	7.90	141,515.10	1.286E-01	Pulse	0.10	3
Sn	119	115	1	48.500	ug/l	8.46	175,506.21	3.342E-02	Pulse	0.10	3
Sb	121	159	1	55.292	ug/l	8.03	572,156.63	6.115E-02	Pulse	0.10	3
Ba	137	159	1	47.246	ug/l	7.59	250,360.20	2.675E-02	Pulse	0.10	3
Tl	205	209	1	51.864	ug/l	6.73	1,603,956.90	2.870E-01	Analog	0.10	3
Pb	208	209	1	47.903	ug/l	7.03	2,101,939.34	3.761E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,585,384.73	7.50	110.8	Analog	0.10	3
1	Sc	45	2,754,242.98	8.70	115.9	Analog	0.10	3
2	Sc	45	142,360.09	6.78	104.8	Pulse	0.10	3
3	Sc	45	291,654.14	0.07	122.8	Pulse	0.10	3
1	Ge	72	576,372.41	6.83	117.6	Pulse	0.10	3
2	Ge	72	89,426.11	5.12	110.8	Pulse	0.10	3
3	Ge	72	144,045.73	0.71	121.8	Pulse	0.10	3
1	Rh	103	4,408,335.66	8.71	123.3	Analog	0.10	3
2	Rh	103	2,412,565.38	7.05	109.2	Analog	0.10	3
1	In	115	5,275,143.12	8.14	129.5	Analog	0.10	3
2	In	115	1,104,307.24	6.93	106.0	Pulse	0.10	3
1	Tb	159	9,399,195.28	8.52	134.1	Analog	0.10	3
2	Tb	159	4,749,088.47	7.04	113.8	Analog	0.10	3
1	Ho	165	9,163,138.41	8.15	134.8	Analog	0.10	3
2	Ho	165	4,747,420.45	7.04	115.2	Analog	0.10	3
1	Bi	209	5,607,494.71	7.18	128.2	Analog	0.10	3
2	Bi	209	3,324,252.86	6.17	112.6	Analog	0.10	3

Quantitation Report

File Name	059SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 21:06
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.002	ug/l	111.53	13.33	8.424E-06	Pulse	0.25	3
B	11	6	1	1.629	ug/l	1.36	5,887.83	3.728E-03	Pulse	0.15	3
Na	23	45	1	-0.836	ug/l	-9.67	129,291.02	4.726E-02	Pulse	0.10	3
Na	23	45	2	2.732	ug/l	42.15	6,212.96	4.010E-02	Pulse	0.20	3
Mg	24	45	1	-0.173	ug/l	-3.01	1,560.14	5.704E-04	Pulse	0.10	3
Mg	24	45	2	-0.274	ug/l	-11.44	48.33	3.118E-04	Pulse	0.20	3
Al	27	45	1	-0.139	ug/l	-17.75	4,490.79	1.642E-03	Pulse	0.10	3
Al	27	45	2	-0.068	ug/l	-176.86	28.33	1.830E-04	Pulse	0.20	3
K	39	45	1	-0.363	ug/l	-53.50	655,635.52	2.397E-01	Pulse	0.10	3
K	39	45	2	2.976	ug/l	25.05	5,724.42	3.695E-02	Pulse	0.20	3
Ca	43	45	1	0.122	ug/l	239.66	59.78	2.186E-05	Pulse	1.50	3
Ca	43	45	2	-75.160	ug/l	-0.69	0.45	2.894E-06	Pulse	1.50	3
Ca	44	45	1	-1.881	ug/l	-15.14	1,280.11	4.681E-04	Pulse	0.10	3
Ca	44	45	2	0.730	ug/l	199.37	30.00	1.941E-04	Pulse	0.20	3
Ti	47	45	1	-0.017	ug/l	-155.83	53.33	1.948E-05	Pulse	0.10	3
Ti	47	45	2	0.056	ug/l	99.60	5.00	3.216E-05	Pulse	0.20	3
V	51	45	2	-0.036	ug/l	-45.29	240.01	1.550E-03	Pulse	0.20	3
Cr	52	45	2	0.000	ug/l	104062.53	1,138.40	7.350E-03	Pulse	0.20	3
Mn	55	45	2	0.007	ug/l	95.41	20.00	1.288E-04	Pulse	0.20	3
Fe	56	45	2	0.354	ug/l	12.36	3,005.36	1.939E-02	Pulse	0.20	3
Co	59	45	2	0.000	ug/l	1309.12	25.00	1.614E-04	Pulse	0.20	3
Ni	60	45	2	-0.021	ug/l	-169.37	106.67	6.872E-04	Pulse	0.20	3
Cu	63	45	2	0.005	ug/l	20.55	141.67	9.144E-04	Pulse	0.20	3
Cu	65	45	2	0.006	ug/l	187.69	56.67	3.652E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.023	ug/l	191.01	58.33	3.758E-04	Pulse	0.20	3
As	75	45	2	-0.006	ug/l	-196.08	12.67	8.187E-05	Pulse	0.50	3
Se	78	45	2	0.047	ug/l	62.46	9.67	6.236E-05	Pulse	1.00	3
Se	78	45	3	0.023	ug/l	18.83	3.33	1.105E-05	Pulse	1.00	3
Sr	88	45	1	0.001	ug/l	50.00	456.69	1.670E-04	Pulse	0.10	3
Mo	95	103	1	0.038	ug/l	30.19	290.02	6.430E-05	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	73.85	110.00	2.076E-05	Pulse	0.10	3
Cd	111	115	1	0.001	ug/l	178.67	16.00	3.014E-06	Pulse	0.25	3
Cd	111	115	2	0.002	ug/l	104.88	5.33	4.342E-06	Pulse	0.25	3
Sn	117	115	1	0.098	ug/l	9.35	390.02	7.360E-05	Pulse	0.10	3
Sn	118	115	1	0.086	ug/l	12.34	1,200.10	2.264E-04	Pulse	0.10	3
Sn	118	115	2	0.150	ug/l	13.68	493.36	4.019E-04	Pulse	0.10	3
Sn	119	115	1	0.090	ug/l	30.56	470.02	8.867E-05	Pulse	0.10	3
Sb	121	159	1	0.061	ug/l	19.40	796.72	8.681E-05	Pulse	0.10	3
Ba	137	159	1	0.035	ug/l	7.63	876.73	9.551E-05	Pulse	0.10	3
Tl	205	209	1	0.014	ug/l	14.62	1,196.77	2.131E-04	Pulse	0.10	3
Pb	208	209	1	0.000	ug/l	775.18	640.03	1.140E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,579,197.83	0.55	110.3	Analog	0.10	3
1	Sc	45	2,735,517.98	0.92	115.2	Analog	0.10	3
2	Sc	45	154,936.01	0.65	114.1	Pulse	0.10	3
3	Sc	45	301,476.01	1.51	127.0	Pulse	0.10	3
1	Ge	72	578,610.11	0.26	118.0	Pulse	0.10	3
2	Ge	72	96,324.13	1.29	119.4	Pulse	0.10	3
3	Ge	72	149,241.56	0.52	126.2	Pulse	0.10	3
1	Rh	103	4,511,241.08	0.20	126.2	Analog	0.10	3
2	Rh	103	2,689,812.77	0.61	121.7	Analog	0.10	3
1	In	115	5,300,348.12	0.51	130.2	Analog	0.10	3
2	In	115	1,227,765.13	0.53	117.8	Pulse	0.10	3
1	Tb	159	9,179,314.86	0.38	130.9	Analog	0.10	3
2	Tb	159	5,098,148.67	0.38	122.2	Analog	0.10	3
1	Ho	165	8,991,607.99	0.17	132.2	Analog	0.10	3
2	Ho	165	5,086,328.36	0.96	123.4	Analog	0.10	3
1	Bi	209	5,614,365.13	0.36	128.3	Analog	0.10	3
2	Bi	209	3,634,820.47	0.75	123.1	Analog	0.10	3

Quantitation Report

File Name	060SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 21:11
Sample Name	CRI
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.514	ug/l	6.86	1,537.43	9.922E-04	Pulse	0.25	3
B	11	6	1	5.818	ug/l	7.37	17,451.45	1.127E-02	Pulse	0.15	3
Na	23	45	1	237.728	ug/l	0.24	2,905,131.62	1.072E+00	Analog	0.10	3
Na	23	45	2	244.061	ug/l	2.45	118,827.51	7.658E-01	Pulse	0.20	3
Mg	24	45	1	242.741	ug/l	0.13	1,878,664.40	6.929E-01	Analog	0.10	3
Mg	24	45	2	242.912	ug/l	1.48	57,412.48	3.700E-01	Pulse	0.20	3
Al	27	45	1	23.662	ug/l	0.63	248,548.38	9.167E-02	Pulse	0.10	3
Al	27	45	2	22.962	ug/l	6.32	2,046.83	1.318E-02	Pulse	0.20	3
K	39	45	1	249.639	ug/l	0.52	3,985,790.15	1.470E+00	Analog	0.10	3
K	39	45	2	239.742	ug/l	1.15	59,555.98	3.838E-01	Pulse	0.20	3
Ca	43	45	1	244.408	ug/l	0.92	6,527.06	2.407E-03	Pulse	1.50	3
Ca	43	45	2	177.903	ug/l	11.78	190.00	1.225E-03	Pulse	1.50	3
Ca	44	45	1	245.466	ug/l	2.21	107,523.75	3.966E-02	Pulse	0.10	3
Ca	44	45	2	240.600	ug/l	7.04	3,030.33	1.953E-02	Pulse	0.20	3
Ti	47	45	1	0.796	ug/l	13.62	1,113.42	4.107E-04	Pulse	0.10	3
Ti	47	45	2	0.762	ug/l	52.24	68.33	4.396E-04	Pulse	0.20	3
V	51	45	2	1.012	ug/l	6.04	2,876.98	1.853E-02	Pulse	0.20	3
Cr	52	45	2	1.107	ug/l	7.69	4,765.79	3.070E-02	Pulse	0.20	3
Mn	55	45	2	0.465	ug/l	6.21	883.38	5.689E-03	Pulse	0.20	3
Fe	56	45	2	26.294	ug/l	1.73	70,801.18	4.563E-01	Pulse	0.20	3
Co	59	45	2	0.549	ug/l	6.12	2,735.29	1.762E-02	Pulse	0.20	3
Ni	60	45	2	1.163	ug/l	6.25	1,645.11	1.061E-02	Pulse	0.20	3
Cu	63	45	2	1.006	ug/l	2.88	3,655.47	2.355E-02	Pulse	0.20	3
Cu	65	45	2	0.965	ug/l	6.27	1,708.46	1.102E-02	Pulse	0.20	3
Zn	66	45	2	2.297	ug/l	10.70	1,451.76	9.350E-03	Pulse	0.20	3
As	75	45	2	0.517	ug/l	18.93	208.67	1.346E-03	Pulse	0.50	3
Se	78	45	2	0.528	ug/l	17.49	27.67	1.785E-04	Pulse	1.00	3
Se	78	45	3	0.526	ug/l	5.87	66.00	2.238E-04	Pulse	1.00	3
Sr	88	45	1	4.954	ug/l	1.42	150,017.65	5.533E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.961	ug/l	7.92	5,514.54	1.242E-03	Pulse	0.10	3
Ag	107	115	1	0.508	ug/l	3.76	6,888.44	1.308E-03	Pulse	0.10	3
Cd	111	115	1	0.498	ug/l	1.09	1,602.77	3.046E-04	Pulse	0.25	3
Cd	111	115	2	0.530	ug/l	9.66	658.69	5.427E-04	Pulse	0.25	3
Sn	117	115	1	4.380	ug/l	0.92	13,609.81	2.586E-03	Pulse	0.10	3
Sn	118	115	1	4.481	ug/l	1.98	45,109.01	8.573E-03	Pulse	0.10	3
Sn	118	115	2	4.518	ug/l	3.87	12,745.58	1.050E-02	Pulse	0.10	3
Sn	119	115	1	4.419	ug/l	2.80	16,152.06	3.070E-03	Pulse	0.10	3
Sb	121	159	1	0.648	ug/l	4.20	6,661.66	7.358E-04	Pulse	0.10	3
Ba	137	159	1	1.045	ug/l	6.78	6,028.08	6.657E-04	Pulse	0.10	3
Tl	205	209	1	0.443	ug/l	3.57	14,200.75	2.586E-03	Pulse	0.10	3
Pb	208	209	1	0.503	ug/l	4.30	22,294.23	4.061E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,551,062.63	3.80	108.4	Analog	0.10	3
1	Sc	45	2,711,269.54	0.27	114.1	Analog	0.10	3
2	Sc	45	155,178.72	1.46	114.3	Pulse	0.10	3
3	Sc	45	294,989.31	0.53	124.2	Pulse	0.10	3
1	Ge	72	568,993.09	3.42	116.1	Pulse	0.10	3
2	Ge	72	95,686.61	1.49	118.6	Pulse	0.10	3
3	Ge	72	147,024.56	2.31	124.4	Pulse	0.10	3
1	Rh	103	4,440,703.99	0.03	124.2	Analog	0.10	3
2	Rh	103	2,656,174.02	0.28	120.2	Analog	0.10	3
1	In	115	5,262,754.43	1.49	129.2	Analog	0.10	3
2	In	115	1,213,409.67	0.65	116.5	Pulse	0.10	3
1	Tb	159	9,054,264.66	0.38	129.2	Analog	0.10	3
2	Tb	159	5,046,910.24	0.27	121.0	Analog	0.10	3
1	Ho	165	8,851,375.49	1.23	130.2	Analog	0.10	3
2	Ho	165	5,040,776.28	0.24	122.3	Analog	0.10	3
1	Bi	209	5,494,711.79	3.36	125.6	Analog	0.10	3
2	Bi	209	3,593,863.17	0.15	121.7	Analog	0.10	3

Quantitation Report

File Name	061SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 21:17
Sample Name	C25285-16 4
Sample Type	Sample
Comment	30
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.764	ug/l	8.82	966.71	6.823E-04	Pulse	0.25	3
B	11	6	1	70.251	ug/l	0.93	36,980.70	2.609E-02	Pulse	0.15	3
Na	23	45	1	21385.271	ug/l	1.38	47,448,069.29	1.841E+01	Analog	0.10	3
Na	23	45	2	24561.825	ug/l	1.12	2,203,960.38	1.480E+01	Analog	0.20	3
Mg	24	45	1	13197.997	ug/l	1.92	19,388,724.71	7.524E+00	Analog	0.10	3
Mg	24	45	2	14056.497	ug/l	1.60	636,365.06	4.275E+00	Pulse	0.20	3
Al	27	45	1	65548.231	ug/l	1.87	127,783,891.43	4.959E+01	Analog	0.10	3
Al	27	45	2	66526.733	ug/l	0.96	1,118,080.50	7.510E+00	Pulse	0.20	3
K	39	45	1	8213.542	ug/l	1.33	21,454,588.01	8.326E+00	Analog	0.10	3
K	39	45	2	8088.738	ug/l	0.93	357,709.38	2.403E+00	Pulse	0.20	3
Ca	43	45	1	91621.740	ug/l	0.89	461,138.86	1.790E-01	Pulse	1.50	3
Ca	43	45	2	88223.793	ug/l	2.82	12,742.62	8.560E-02	Pulse	1.50	3
Ca	44	45	1	92279.455	ug/l	1.20	7,537,297.39	2.925E+00	Analog	0.10	3
Ca	44	45	2	91389.736	ug/l	1.27	219,388.31	1.474E+00	Pulse	0.20	3
Ti	47	45	1	1767.313	ug/l	1.16	438,260.68	1.701E-01	Pulse	0.10	3
Ti	47	45	2	1832.795	ug/l	2.59	31,466.79	2.114E-01	Pulse	0.20	3
V	51	45	2	238.170	ug/l	1.55	115,192.93	7.738E-01	Pulse	0.20	3
Cr	52	45	2	1583.292	ug/l	0.66	995,878.11	6.689E+00	Pulse	0.20	3
Mn	55	45	2	1496.921	ug/l	0.57	541,555.58	3.638E+00	Pulse	0.20	3
Fe	56	45	2	135070.589	ug/l	1.07	67,741,808.99	4.550E+02	Analog	0.20	3
Co	59	45	2	91.341	ug/l	0.20	86,571.18	5.815E-01	Pulse	0.20	3
Ni	60	45	2	1126.728	ug/l	1.47	281,286.49	1.890E+00	Pulse	0.20	3
Cu	63	45	2	741.669	ug/l	0.72	499,368.33	3.354E+00	Pulse	0.20	3
Cu	65	45	2	737.535	ug/l	1.67	243,986.35	1.639E+00	Pulse	0.20	3
Zn	66	45	2	12564.230	ug/l	0.72	1,476,238.83	9.916E+00	Analog	0.20	3
As	75	45	2	100.786	ug/l	1.59	7,279.01	4.889E-02	Pulse	0.50	3
Se	78	45	2	5.162	ug/l	46.69	44.67	3.003E-04	Pulse	1.00	3
Se	78	45	3	1.193	ug/l	19.21	29.33	1.024E-04	Pulse	1.00	3
Sr	88	45	1	430.855	ug/l	1.12	2,473,417.78	9.599E-01	Analog	0.10	3
Mo	95	103	1	30.519	ug/l	3.56	31,395.07	7.800E-03	Pulse	0.10	3
Ag	107	115	1	10.323	ug/l	1.14	26,055.52	5.258E-03	Pulse	0.10	3
Cd	111	115	1	12.469	ug/l	2.16	7,516.56	1.517E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	13.816	ug/l	3.56	3,212.38	2.818E-03	Pulse	0.25	3
Sn	117	115	1	42.447	ug/l	1.24	24,756.95	4.996E-03	Pulse	0.10	3
Sn	118	115	1	42.517	ug/l	1.58	80,335.31	1.621E-02	Pulse	0.10	3
Sn	118	115	2	46.828	ug/l	3.03	24,756.97	2.172E-02	Pulse	0.10	3
Sn	119	115	1	43.782	ug/l	2.29	30,012.92	6.057E-03	Pulse	0.10	3
Sb	121	159	1	8.045	ug/l	4.52	15,875.27	1.798E-03	Pulse	0.10	3
Ba	137	159	1	933.085	ug/l	1.02	930,962.69	1.054E-01	Pulse	0.10	3
Tl	205	209	1	0.354	ug/l	11.00	2,820.39	5.263E-04	Pulse	0.10	3
Pb	208	209	1	614.176	ug/l	0.14	5,165,295.37	9.643E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,417,226.47	0.70	99.0	Analog	0.10	3
1	Sc	45	2,576,806.52	0.39	108.5	Analog	0.10	3
2	Sc	45	148,878.29	0.86	109.6	Pulse	0.10	3
3	Sc	45	286,640.59	1.07	120.7	Pulse	0.10	3
1	Ge	72	527,227.17	1.00	107.6	Pulse	0.10	3
2	Ge	72	88,403.53	1.94	109.6	Pulse	0.10	3
3	Ge	72	139,210.22	0.83	117.7	Pulse	0.10	3
1	Rh	103	4,024,956.81	0.49	112.6	Analog	0.10	3
2	Rh	103	2,483,564.60	0.25	112.4	Analog	0.10	3
1	In	115	4,955,354.19	0.16	121.7	Analog	0.10	3
2	In	115	1,140,122.48	0.30	109.4	Pulse	0.10	3
1	Tb	159	8,829,394.66	0.55	126.0	Analog	0.10	3
2	Tb	159	4,941,647.32	0.91	118.5	Analog	0.10	3
1	Ho	165	8,614,715.71	0.74	126.7	Analog	0.10	3
2	Ho	165	4,924,883.99	0.82	119.5	Analog	0.10	3
1	Bi	209	5,356,740.75	0.74	122.4	Analog	0.10	3
2	Bi	209	3,422,666.83	0.48	115.9	Analog	0.10	3

Quantitation Report

File Name	062SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 21:22
Sample Name	RINSECONF
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.003	ug/l	51.50	14.67	9.442E-06	Pulse	0.25	3
B	11	6	1	1.000	ug/l	5.74	4,027.27	2.594E-03	Pulse	0.15	3
Na	23	45	1	-1.289	ug/l	-11.67	121,569.99	4.532E-02	Pulse	0.10	3
Na	23	45	2	2.167	ug/l	4.10	5,882.80	3.840E-02	Pulse	0.20	3
Mg	24	45	1	-0.165	ug/l	-17.98	1,586.80	5.913E-04	Pulse	0.10	3
Mg	24	45	2	-0.307	ug/l	-6.97	40.00	2.611E-04	Pulse	0.20	3
Al	27	45	1	-0.011	ug/l	-310.69	5,707.84	2.127E-03	Pulse	0.10	3
Al	27	45	2	0.205	ug/l	65.23	51.67	3.373E-04	Pulse	0.20	3
K	39	45	1	-3.145	ug/l	-19.49	606,227.27	2.260E-01	Pulse	0.10	3
K	39	45	2	1.348	ug/l	58.25	5,294.28	3.456E-02	Pulse	0.20	3
Ca	43	45	1	0.394	ug/l	104.53	65.78	2.451E-05	Pulse	1.50	3
Ca	43	45	2	-73.358	ug/l	-1.43	1.78	1.160E-05	Pulse	1.50	3
Ca	44	45	1	-1.454	ug/l	-45.73	1,436.79	5.357E-04	Pulse	0.10	3
Ca	44	45	2	0.076	ug/l	814.20	21.67	1.414E-04	Pulse	0.20	3
Ti	47	45	1	-0.003	ug/l	-234.69	70.00	2.610E-05	Pulse	0.10	3
Ti	47	45	2	0.057	ug/l	173.21	5.00	3.266E-05	Pulse	0.20	3
V	51	45	2	0.060	ug/l	20.71	475.02	3.101E-03	Pulse	0.20	3
Cr	52	45	2	0.017	ug/l	165.52	1,181.73	7.714E-03	Pulse	0.20	3
Mn	55	45	2	0.017	ug/l	58.67	38.33	2.502E-04	Pulse	0.20	3
Fe	56	45	2	1.009	ug/l	13.88	4,660.73	3.042E-02	Pulse	0.20	3
Co	59	45	2	-0.003	ug/l	-47.68	8.33	5.439E-05	Pulse	0.20	3
Ni	60	45	2	-0.011	ug/l	-334.74	118.33	7.725E-04	Pulse	0.20	3
Cu	63	45	2	-0.005	ug/l	-73.36	106.67	6.963E-04	Pulse	0.20	3
Cu	65	45	2	0.001	ug/l	1288.36	46.67	3.047E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.093	ug/l	49.38	100.00	6.528E-04	Pulse	0.20	3
As	75	45	2	-0.014	ug/l	-57.24	9.33	6.093E-05	Pulse	0.50	3
Se	78	45	2	0.122	ug/l	122.41	12.33	8.052E-05	Pulse	1.00	3
Se	78	45	3	0.034	ug/l	67.23	4.67	1.565E-05	Pulse	1.00	3
Sr	88	45	1	-0.001	ug/l	-192.20	393.35	1.466E-04	Pulse	0.10	3
Mo	95	103	1	0.005	ug/l	88.17	100.00	2.249E-05	Pulse	0.10	3
Ag	107	115	1	-0.002	ug/l	-146.58	73.34	1.392E-05	Pulse	0.10	3
Cd	111	115	1	-0.001	ug/l	-367.57	9.33	1.773E-06	Pulse	0.25	3
Cd	111	115	2	0.000	ug/l	-1102.78	2.67	2.210E-06	Pulse	0.25	3
Sn	117	115	1	0.035	ug/l	23.60	193.34	3.672E-05	Pulse	0.10	3
Sn	118	115	1	0.023	ug/l	26.20	560.03	1.064E-04	Pulse	0.10	3
Sn	118	115	2	0.052	ug/l	31.37	213.34	1.757E-04	Pulse	0.10	3
Sn	119	115	1	0.052	ug/l	26.47	330.02	6.267E-05	Pulse	0.10	3
Sb	121	159	1	0.025	ug/l	24.80	433.36	4.727E-05	Pulse	0.10	3
Ba	137	159	1	0.017	ug/l	119.24	783.39	8.550E-05	Pulse	0.10	3
Tl	205	209	1	0.005	ug/l	63.40	896.73	1.596E-04	Pulse	0.10	3
Pb	208	209	1	0.003	ug/l	69.15	740.04	1.318E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,552,409.91	0.30	108.5	Analog	0.10	3
1	Sc	45	2,682,639.86	0.33	112.9	Analog	0.10	3
2	Sc	45	153,193.92	0.07	112.8	Pulse	0.10	3
3	Sc	45	297,485.30	1.81	125.3	Pulse	0.10	3
1	Ge	72	570,954.21	0.39	116.5	Pulse	0.10	3
2	Ge	72	95,720.91	0.85	118.6	Pulse	0.10	3
3	Ge	72	149,050.37	0.42	126.1	Pulse	0.10	3
1	Rh	103	4,441,647.64	0.75	124.2	Analog	0.10	3
2	Rh	103	2,663,145.48	0.43	120.5	Analog	0.10	3
1	In	115	5,265,594.37	0.15	129.3	Analog	0.10	3
2	In	115	1,213,123.74	0.62	116.4	Pulse	0.10	3
1	Tb	159	9,167,364.86	0.56	130.8	Analog	0.10	3
2	Tb	159	5,086,175.34	0.84	121.9	Analog	0.10	3
1	Ho	165	8,918,493.41	0.44	131.2	Analog	0.10	3
2	Ho	165	5,053,619.82	0.22	122.6	Analog	0.10	3
1	Bi	209	5,614,737.42	0.81	128.3	Analog	0.10	3
2	Bi	209	3,622,217.24	0.69	122.7	Analog	0.10	3

Quantitation Report

File Name	063SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 21:27
Sample Name	mp68812-mb1 2
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.003	ug/l	219.36	8.00	4.867E-06	Pulse	0.25	3
B	11	6	1	4.170	ug/l	2.48	3,789.42	2.296E-03	Pulse	0.15	3
Na	23	45	1	4.230	ug/l	8.95	155,248.78	5.448E-02	Pulse	0.10	3
Na	23	45	2	33.216	ug/l	42.16	8,482.00	5.186E-02	Pulse	0.20	3
Mg	24	45	1	0.955	ug/l	9.61	4,577.47	1.607E-03	Pulse	0.10	3
Mg	24	45	2	1.962	ug/l	74.52	216.67	1.325E-03	Pulse	0.20	3
Al	27	45	1	8.079	ug/l	5.03	23,597.96	8.280E-03	Pulse	0.10	3
Al	27	45	2	8.412	ug/l	39.08	191.68	1.171E-03	Pulse	0.20	3
K	39	45	1	-0.401	ug/l	-1358.01	686,922.36	2.411E-01	Pulse	0.10	3
K	39	45	2	18.558	ug/l	21.00	6,222.97	3.802E-02	Pulse	0.20	3
Ca	43	45	1	10.791	ug/l	29.44	118.89	4.174E-05	Pulse	1.50	3
Ca	43	45	2	-360.557	ug/l	-1.32	2.89	1.762E-05	Pulse	1.50	3
Ca	44	45	1	-0.543	ug/l	-104.52	2,133.57	7.489E-04	Pulse	0.10	3
Ca	44	45	2	11.204	ug/l	69.05	51.67	3.160E-04	Pulse	0.20	3
Ti	47	45	1	0.077	ug/l	174.76	100.00	3.517E-05	Pulse	0.10	3
Ti	47	45	2	0.532	ug/l	87.18	10.00	6.131E-05	Pulse	0.20	3
V	51	45	2	-0.010	ug/l	-893.17	343.34	2.099E-03	Pulse	0.20	3
Cr	52	45	2	1.856	ug/l	17.27	2,483.57	1.518E-02	Pulse	0.20	3
Mn	55	45	2	0.185	ug/l	11.20	80.00	4.886E-04	Pulse	0.20	3
Fe	56	45	2	12.538	ug/l	9.18	9,109.05	5.567E-02	Pulse	0.20	3
Co	59	45	2	0.015	ug/l	37.11	41.67	2.546E-04	Pulse	0.20	3
Ni	60	45	2	0.100	ug/l	175.21	168.34	1.029E-03	Pulse	0.20	3
Cu	63	45	2	0.110	ug/l	36.53	213.34	1.304E-03	Pulse	0.20	3
Cu	65	45	2	0.188	ug/l	25.14	116.67	7.127E-04	Pulse	0.20	3
Zn	66	45	2	2.105	ug/l	23.46	318.34	1.945E-03	Pulse	0.20	3
As	75	45	2	0.029	ug/l	310.03	18.00	1.100E-04	Pulse	0.50	3
Se	78	45	2	0.878	ug/l	108.94	15.33	9.350E-05	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.133	ug/l	98.25	4.00	1.264E-05	Pulse	1.00	3
Sr	88	45	1	0.024	ug/l	73.35	593.37	2.080E-04	Pulse	0.10	3
Mo	95	103	1	0.011	ug/l	162.03	86.67	1.862E-05	Pulse	0.10	3
Ag	107	115	1	-0.016	ug/l	-12.65	53.33	9.718E-06	Pulse	0.10	3
Cd	111	115	1	-0.005	ug/l	-68.81	9.33	1.699E-06	Pulse	0.25	3
Cd	111	115	2	-0.013	ug/l	0.00	0.00	0.000E+00	Pulse	0.25	3
Sn	117	115	1	11.637	ug/l	5.89	7,582.14	1.382E-03	Pulse	0.10	3
Sn	118	115	1	11.894	ug/l	0.99	25,137.52	4.580E-03	Pulse	0.10	3
Sn	118	115	2	11.854	ug/l	2.30	7,095.20	5.538E-03	Pulse	0.10	3
Sn	119	115	1	12.095	ug/l	1.81	9,289.79	1.693E-03	Pulse	0.10	3
Sb	121	159	1	0.091	ug/l	59.90	370.03	3.948E-05	Pulse	0.10	3
Ba	137	159	1	0.200	ug/l	39.77	923.40	9.852E-05	Pulse	0.10	3
Tl	205	209	1	0.048	ug/l	7.79	1,083.41	1.880E-04	Pulse	0.10	3
Pb	208	209	1	0.028	ug/l	57.79	893.38	1.550E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,650,724.00	1.52	115.3	Analog	0.10	3
1	Sc	45	2,849,433.29	0.90	120.0	Analog	0.10	3
2	Sc	45	163,655.80	0.63	120.5	Pulse	0.10	3
3	Sc	45	317,802.56	1.11	133.8	Pulse	0.10	3
1	Ge	72	608,125.94	0.46	124.1	Pulse	0.10	3
2	Ge	72	102,132.76	1.09	126.6	Pulse	0.10	3
3	Ge	72	156,932.51	1.27	132.7	Pulse	0.10	3
1	Rh	103	4,654,764.51	0.32	130.2	Analog	0.10	3
2	Rh	103	2,809,484.02	0.56	127.1	Analog	0.10	3
1	In	115	5,488,454.87	0.69	134.8	Analog	0.10	3
2	In	115	1,281,309.83	0.49	123.0	Pulse	0.10	3
1	Tb	159	9,373,425.28	0.16	133.7	Analog	0.10	3
2	Tb	159	5,232,154.19	0.53	125.4	Analog	0.10	3
1	Ho	165	9,144,108.20	0.85	134.5	Analog	0.10	3
2	Ho	165	5,205,667.53	0.40	126.3	Analog	0.10	3
1	Bi	209	5,764,049.70	0.12	131.8	Analog	0.10	3
2	Bi	209	3,717,014.73	0.46	125.9	Analog	0.10	3

Quantitation Report

File Name	064SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 21:32
Sample Name	mp68812-b1 2
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	98.912	ug/l	2.33	13,111.85	7.612E-03	Pulse	0.25	3
B	11	6	1	24.521	ug/l	6.79	4,409.59	2.560E-03	Pulse	0.15	3
Na	23	45	1	11361.250	ug/l	0.52	6,151,893.87	2.002E+00	Analog	0.10	3
Na	23	45	2	11927.551	ug/l	0.38	262,564.70	1.467E+00	Pulse	0.20	3
Mg	24	45	1	11627.283	ug/l	0.56	4,076,798.48	1.327E+00	Analog	0.10	3
Mg	24	45	2	11830.451	ug/l	0.35	128,926.06	7.202E-01	Pulse	0.20	3
Al	27	45	1	50231.870	ug/l	0.80	23,361,277.98	7.602E+00	Analog	0.10	3
Al	27	45	2	49859.971	ug/l	0.53	201,569.98	1.126E+00	Pulse	0.20	3
K	39	45	1	12027.755	ug/l	0.84	8,018,002.38	2.609E+00	Analog	0.10	3
K	39	45	2	11831.193	ug/l	0.47	129,957.63	7.259E-01	Pulse	0.20	3
Ca	43	45	1	11941.551	ug/l	0.79	14,397.06	4.685E-03	Pulse	1.50	3
Ca	43	45	2	9521.473	ug/l	2.61	394.89	2.206E-03	Pulse	1.50	3
Ca	44	45	1	12046.107	ug/l	0.28	236,962.31	7.711E-02	Pulse	0.10	3
Ca	44	45	2	11433.185	ug/l	1.45	6,624.78	3.701E-02	Pulse	0.20	3
Ti	47	45	1	-0.083	ug/l	-1068.50	80.00	2.612E-05	Pulse	0.10	3
Ti	47	45	2	2.018	ug/l	34.59	8.33	4.654E-05	Pulse	0.20	3
V	51	45	2	991.998	ug/l	1.02	115,462.03	6.450E-01	Pulse	0.20	3
Cr	52	45	2	428.807	ug/l	1.51	66,109.80	3.693E-01	Pulse	0.20	3
Mn	55	45	2	961.099	ug/l	2.28	83,625.33	4.671E-01	Pulse	0.20	3
Fe	56	45	2	52866.991	ug/l	0.83	6,379,013.24	3.563E+01	Analog	0.20	3
Co	59	45	2	981.831	ug/l	0.59	223,763.54	1.250E+00	Pulse	0.20	3
Ni	60	45	2	995.614	ug/l	0.44	59,907.32	3.346E-01	Pulse	0.20	3
Cu	63	45	2	487.461	ug/l	1.06	79,059.53	4.416E-01	Pulse	0.20	3
Cu	65	45	2	492.479	ug/l	0.60	39,230.54	2.191E-01	Pulse	0.20	3
Zn	66	45	2	1057.651	ug/l	0.85	29,937.71	1.672E-01	Pulse	0.20	3
As	75	45	2	4209.455	ug/l	0.64	72,990.67	4.077E-01	Pulse	0.50	3
Se	78	45	2	4117.314	ug/l	1.34	7,124.24	3.980E-02	Pulse	1.00	3
Se	78	45	3	4197.241	ug/l	0.86	24,090.41	7.101E-02	Pulse	1.00	3
Sr	88	45	1	0.695	ug/l	17.83	1,426.79	4.646E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.196	ug/l	32.00	126.67	2.586E-05	Pulse	0.10	3
Ag	107	115	1	99.345	ug/l	0.97	58,277.88	1.010E-02	Pulse	0.10	3
Cd	111	115	1	96.703	ug/l	1.17	13,564.63	2.352E-03	Pulse	0.25	3
Cd	111	115	2	102.320	ug/l	2.00	5,649.09	4.172E-03	Pulse	0.25	3
Sn	117	115	1	22.134	ug/l	8.19	3,090.43	5.357E-04	Pulse	0.10	3
Sn	118	115	1	22.193	ug/l	5.20	10,083.63	1.748E-03	Pulse	0.10	3
Sn	118	115	2	24.296	ug/l	9.43	3,117.12	2.302E-03	Pulse	0.10	3
Sn	119	115	1	23.636	ug/l	7.09	3,910.67	6.780E-04	Pulse	0.10	3
Sb	121	159	1	1191.774	ug/l	1.21	509,454.05	5.273E-02	Pulse	0.10	3
Ba	137	159	1	3923.508	ug/l	0.91	856,915.38	8.869E-02	Pulse	0.10	3
Tl	205	209	1	3816.680	ug/l	1.77	4,886,579.41	8.444E-01	Analog	0.10	3
Pb	208	209	1	958.676	ug/l	0.49	1,742,374.91	3.011E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,722,807.79	1.01	120.4	Analog	0.10	3
1	Sc	45	3,072,936.83	0.74	129.4	Analog	0.10	3
2	Sc	45	179,022.20	0.37	131.8	Pulse	0.10	3
3	Sc	45	339,244.58	0.34	142.9	Pulse	0.10	3
1	Ge	72	650,340.10	0.20	132.7	Pulse	0.10	3
2	Ge	72	110,019.80	1.21	136.3	Pulse	0.10	3
3	Ge	72	164,853.59	1.66	139.4	Pulse	0.10	3
1	Rh	103	4,900,491.49	0.93	137.1	Analog	0.10	3
2	Rh	103	2,975,504.02	0.30	134.6	Analog	0.10	3
1	In	115	5,768,251.87	0.17	141.6	Analog	0.10	3
2	In	115	1,354,004.10	0.30	130.0	Mix	0.10	3
1	Tb	159	9,662,541.31	0.23	137.8	Analog	0.10	3
2	Tb	159	5,418,851.58	0.39	129.9	Analog	0.10	3
1	Ho	165	9,348,331.11	0.66	137.5	Analog	0.10	3
2	Ho	165	5,364,790.54	1.30	130.1	Analog	0.10	3
1	Bi	209	5,786,716.58	0.43	132.3	Analog	0.10	3
2	Bi	209	3,794,772.23	0.61	128.6	Analog	0.10	3

Quantitation Report

File Name	065SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 21:37
Sample Name	mp68812-s1
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	99.177	ug/l	0.82	13,421.40	7.632E-03	Pulse	0.25	3
B	11	6	1	28.706	ug/l	5.26	5,034.21	2.862E-03	Pulse	0.15	3
Na	23	45	1	11733.769	ug/l	0.55	6,525,443.45	2.066E+00	Analog	0.10	3
Na	23	45	2	12155.593	ug/l	2.14	272,190.98	1.494E+00	Pulse	0.20	3
Mg	24	45	1	21054.514	ug/l	0.83	7,585,079.26	2.401E+00	Analog	0.10	3
Mg	24	45	2	21275.484	ug/l	1.70	235,840.82	1.295E+00	Pulse	0.20	3
Al	27	45	1	98898.953	ug/l	0.46	47,269,142.63	1.497E+01	Analog	0.10	3
Al	27	45	2	96611.430	ug/l	1.23	397,443.28	2.182E+00	Pulse	0.20	3
K	39	45	1	23000.304	ug/l	0.38	15,064,242.69	4.769E+00	Analog	0.10	3
K	39	45	2	22730.614	ug/l	1.30	248,624.33	1.365E+00	Pulse	0.20	3
Ca	43	45	1	20713.608	ug/l	0.50	25,620.62	8.112E-03	Pulse	1.50	3
Ca	43	45	2	17392.352	ug/l	2.05	679.12	3.727E-03	Pulse	1.50	3
Ca	44	45	1	20908.823	ug/l	1.12	420,970.20	1.333E-01	Pulse	0.10	3
Ca	44	45	2	20269.354	ug/l	1.76	11,932.83	6.550E-02	Pulse	0.20	3
Ti	47	45	1	862.428	ug/l	1.07	52,510.88	1.662E-02	Pulse	0.10	3
Ti	47	45	2	911.096	ug/l	2.24	3,828.85	2.101E-02	Pulse	0.20	3
V	51	45	2	1041.449	ug/l	2.43	123,329.40	6.770E-01	Pulse	0.20	3
Cr	52	45	2	469.125	ug/l	0.76	73,484.02	4.033E-01	Pulse	0.20	3
Mn	55	45	2	1666.280	ug/l	1.86	147,541.96	8.099E-01	Pulse	0.20	3
Fe	56	45	2	96902.104	ug/l	1.83	11,896,782.74	6.530E+01	Analog	0.20	3
Co	59	45	2	981.624	ug/l	1.70	227,665.99	1.250E+00	Pulse	0.20	3
Ni	60	45	2	991.680	ug/l	1.10	60,728.39	3.333E-01	Pulse	0.20	3
Cu	63	45	2	502.104	ug/l	1.74	82,869.36	4.549E-01	Pulse	0.20	3
Cu	65	45	2	502.338	ug/l	1.45	40,722.33	2.235E-01	Pulse	0.20	3
Zn	66	45	2	1135.577	ug/l	2.98	32,709.62	1.795E-01	Pulse	0.20	3
As	75	45	2	4110.475	ug/l	1.73	72,534.67	3.981E-01	Pulse	0.50	3
Se	78	45	2	4058.428	ug/l	2.32	7,146.25	3.923E-02	Pulse	1.00	3
Se	78	45	3	4111.480	ug/l	0.07	23,725.55	6.956E-02	Pulse	1.00	3
Sr	88	45	1	64.993	ug/l	1.38	91,939.14	2.911E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.267	ug/l	58.17	146.67	2.950E-05	Pulse	0.10	3
Ag	107	115	1	99.676	ug/l	4.01	58,485.75	1.014E-02	Pulse	0.10	3
Cd	111	115	1	95.716	ug/l	3.37	13,432.53	2.328E-03	Pulse	0.25	3
Cd	111	115	2	99.816	ug/l	3.66	5,503.72	4.070E-03	Pulse	0.25	3
Sn	117	115	1	22.127	ug/l	1.48	3,090.43	5.355E-04	Pulse	0.10	3
Sn	118	115	1	20.766	ug/l	4.13	9,459.84	1.640E-03	Pulse	0.10	3
Sn	118	115	2	22.078	ug/l	6.21	2,833.70	2.097E-03	Pulse	0.10	3
Sn	119	115	1	22.473	ug/l	2.97	3,727.25	6.460E-04	Pulse	0.10	3
Sb	121	159	1	881.054	ug/l	0.20	376,139.19	3.898E-02	Pulse	0.10	3
Ba	137	159	1	4252.690	ug/l	0.27	927,406.55	9.612E-02	Pulse	0.10	3
Tl	205	209	1	3749.419	ug/l	1.46	4,798,887.22	8.296E-01	Analog	0.10	3
Pb	208	209	1	962.436	ug/l	0.91	1,748,666.53	3.023E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,758,436.54	1.61	122.9	Analog	0.10	3
1	Sc	45	3,158,529.02	0.48	133.0	Analog	0.10	3
2	Sc	45	182,205.39	1.17	134.2	Pulse	0.10	3
3	Sc	45	341,068.28	0.51	143.6	Pulse	0.10	3
1	Ge	72	656,356.67	0.94	133.9	Pulse	0.10	3
2	Ge	72	109,419.34	1.25	135.6	Pulse	0.10	3
3	Ge	72	166,604.55	0.72	140.9	Pulse	0.10	3
1	Rh	103	4,964,520.86	0.87	138.9	Analog	0.10	3
2	Rh	103	2,993,763.60	0.81	135.4	Analog	0.10	3
1	In	115	5,770,315.18	0.86	141.7	Analog	0.10	3
2	In	115	1,351,924.06	1.36	129.8	Mix	0.10	3
1	Tb	159	9,648,517.77	0.54	137.6	Analog	0.10	3
2	Tb	159	5,393,985.54	0.24	129.3	Analog	0.10	3
1	Ho	165	9,358,460.28	0.93	137.6	Analog	0.10	3
2	Ho	165	5,375,323.25	0.50	130.4	Analog	0.10	3
1	Bi	209	5,785,211.16	0.96	132.2	Analog	0.10	3
2	Bi	209	3,749,067.86	0.58	127.0	Analog	0.10	3

Quantitation Report

File Name	066SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 21:42
Sample Name	mp68812-s2
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	104.462	ug/l	2.03	14,183.38	8.039E-03	Pulse	0.25	3
B	11	6	1	28.895	ug/l	5.15	5,074.21	2.875E-03	Pulse	0.15	3
Na	23	45	1	12084.741	ug/l	0.16	6,751,144.69	2.126E+00	Analog	0.10	3
Na	23	45	2	12649.775	ug/l	0.41	281,986.98	1.554E+00	Pulse	0.20	3
Mg	24	45	1	20550.423	ug/l	0.21	7,442,450.72	2.344E+00	Analog	0.10	3
Mg	24	45	2	20877.707	ug/l	1.11	230,575.73	1.270E+00	Pulse	0.20	3
Al	27	45	1	97906.019	ug/l	0.77	47,042,250.96	1.482E+01	Analog	0.10	3
Al	27	45	2	97123.699	ug/l	0.86	398,062.24	2.193E+00	Pulse	0.20	3
K	39	45	1	22273.364	ug/l	0.64	14,689,433.53	4.626E+00	Analog	0.10	3
K	39	45	2	22118.476	ug/l	0.77	241,187.58	1.329E+00	Pulse	0.20	3
Ca	43	45	1	18881.274	ug/l	0.14	23,483.04	7.396E-03	Pulse	1.50	3
Ca	43	45	2	15752.871	ug/l	1.86	618.90	3.410E-03	Pulse	1.50	3
Ca	44	45	1	19165.204	ug/l	1.02	388,120.48	1.222E-01	Pulse	0.10	3
Ca	44	45	2	19031.698	ug/l	2.33	11,163.95	6.151E-02	Pulse	0.20	3
Ti	47	45	1	893.847	ug/l	1.71	54,707.96	1.723E-02	Pulse	0.10	3
Ti	47	45	2	1002.521	ug/l	1.08	4,197.28	2.312E-02	Pulse	0.20	3
V	51	45	2	1112.687	ug/l	0.52	131,260.87	7.232E-01	Pulse	0.20	3
Cr	52	45	2	494.866	ug/l	0.98	77,157.20	4.251E-01	Pulse	0.20	3
Mn	55	45	2	2381.671	ug/l	0.46	210,119.36	1.158E+00	Pulse	0.20	3
Fe	56	45	2	106290.140	ug/l	0.54	13,001,203.14	7.163E+01	Analog	0.20	3
Co	59	45	2	1044.541	ug/l	0.11	241,368.47	1.330E+00	Pulse	0.20	3
Ni	60	45	2	1058.510	ug/l	1.31	64,569.74	3.557E-01	Pulse	0.20	3
Cu	63	45	2	535.708	ug/l	0.25	88,082.82	4.853E-01	Pulse	0.20	3
Cu	65	45	2	534.388	ug/l	0.48	43,157.04	2.378E-01	Pulse	0.20	3
Zn	66	45	2	1191.633	ug/l	0.77	34,192.58	1.884E-01	Pulse	0.20	3
As	75	45	2	4369.230	ug/l	1.24	76,811.34	4.232E-01	Pulse	0.50	3
Se	78	45	2	4303.250	ug/l	0.91	7,549.10	4.159E-02	Pulse	1.00	3
Se	78	45	3	4333.711	ug/l	1.49	24,867.23	7.332E-02	Pulse	1.00	3
Sr	88	45	1	54.783	ug/l	1.94	77,982.56	2.456E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.449	ug/l	65.79	193.34	3.879E-05	Pulse	0.10	3
Ag	107	115	1	103.325	ug/l	1.25	60,723.99	1.051E-02	Pulse	0.10	3
Cd	111	115	1	101.205	ug/l	1.17	14,223.90	2.461E-03	Pulse	0.25	3
Cd	111	115	2	103.583	ug/l	3.79	5,781.15	4.224E-03	Pulse	0.25	3
Sn	117	115	1	24.380	ug/l	6.76	3,400.50	5.884E-04	Pulse	0.10	3
Sn	118	115	1	22.819	ug/l	3.75	10,377.15	1.796E-03	Pulse	0.10	3
Sn	118	115	2	27.189	ug/l	4.23	3,517.22	2.570E-03	Pulse	0.10	3
Sn	119	115	1	24.800	ug/l	3.26	4,104.02	7.101E-04	Pulse	0.10	3
Sb	121	159	1	928.686	ug/l	1.80	396,666.24	4.109E-02	Pulse	0.10	3
Ba	137	159	1	4397.298	ug/l	0.56	959,475.17	9.939E-02	Pulse	0.10	3
Tl	205	209	1	3926.418	ug/l	0.08	4,991,708.47	8.687E-01	Analog	0.10	3
Pb	208	209	1	1047.036	ug/l	0.55	1,889,503.12	3.288E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,764,447.26	0.62	123.3	Analog	0.10	3
1	Sc	45	3,175,191.52	0.23	133.7	Analog	0.10	3
2	Sc	45	181,515.55	0.77	133.6	Pulse	0.10	3
3	Sc	45	339,199.50	1.47	142.9	Pulse	0.10	3
1	Ge	72	654,789.75	0.66	133.6	Pulse	0.10	3
2	Ge	72	111,803.19	0.65	138.6	Pulse	0.10	3
3	Ge	72	165,031.59	0.69	139.6	Pulse	0.10	3
1	Rh	103	4,973,631.91	0.84	139.1	Analog	0.10	3
2	Rh	103	3,003,148.60	0.42	135.9	Analog	0.10	3
1	In	115	5,779,564.84	0.58	141.9	Analog	0.10	3
2	In	115	1,368,689.95	0.19	131.4	Analog	0.10	3
1	Tb	159	9,654,180.06	0.61	137.7	Analog	0.10	3
2	Tb	159	5,422,786.38	0.67	130.0	Analog	0.10	3
1	Ho	165	9,312,681.53	0.48	137.0	Analog	0.10	3
2	Ho	165	5,345,346.17	0.54	129.7	Analog	0.10	3
1	Bi	209	5,746,038.04	0.70	131.3	Analog	0.10	3
2	Bi	209	3,750,653.80	1.25	127.1	Analog	0.10	3

Quantitation Report

File Name	067SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 21:47
Sample Name	RINSECONF
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.002	ug/l	184.95	12.00	7.132E-06	Pulse	0.25	3
B	11	6	1	0.696	ug/l	4.70	3,447.12	2.047E-03	Pulse	0.15	3
Na	23	45	1	-2.017	ug/l	-9.00	123,759.69	4.219E-02	Pulse	0.10	3
Na	23	45	2	2.143	ug/l	42.44	6,141.26	3.833E-02	Pulse	0.20	3
Mg	24	45	1	-0.222	ug/l	-5.69	1,263.43	4.305E-04	Pulse	0.10	3
Mg	24	45	2	-0.315	ug/l	-10.48	40.00	2.491E-04	Pulse	0.20	3
Al	27	45	1	-0.096	ug/l	-53.27	5,294.37	1.806E-03	Pulse	0.10	3
Al	27	45	2	-0.080	ug/l	-205.37	28.33	1.762E-04	Pulse	0.20	3
K	39	45	1	-1.964	ug/l	-8.75	679,986.34	2.318E-01	Pulse	0.10	3
K	39	45	2	1.387	ug/l	28.02	5,551.03	3.462E-02	Pulse	0.20	3
Ca	43	45	1	-0.318	ug/l	-82.44	51.56	1.756E-05	Pulse	1.50	3
Ca	43	45	2	-72.615	ug/l	-2.44	2.44	1.519E-05	Pulse	1.50	3
Ca	44	45	1	-2.461	ug/l	-8.49	1,103.41	3.761E-04	Pulse	0.10	3
Ca	44	45	2	-0.249	ug/l	-337.32	18.33	1.152E-04	Pulse	0.20	3
Ti	47	45	1	-0.010	ug/l	-137.71	66.67	2.270E-05	Pulse	0.10	3
Ti	47	45	2	0.018	ug/l	173.21	1.67	1.034E-05	Pulse	0.20	3
V	51	45	2	-0.021	ug/l	-61.92	286.68	1.788E-03	Pulse	0.20	3
Cr	52	45	2	0.790	ug/l	4.00	3,848.85	2.401E-02	Pulse	0.20	3
Mn	55	45	2	0.023	ug/l	81.76	51.67	3.194E-04	Pulse	0.20	3
Fe	56	45	2	1.088	ug/l	5.98	5,092.55	3.176E-02	Pulse	0.20	3
Co	59	45	2	-0.004	ug/l	-40.33	6.67	4.164E-05	Pulse	0.20	3
Ni	60	45	2	-0.011	ug/l	-94.72	123.33	7.683E-04	Pulse	0.20	3
Cu	63	45	2	-0.004	ug/l	-243.23	113.33	7.090E-04	Pulse	0.20	3
Cu	65	45	2	0.003	ug/l	205.34	53.33	3.326E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.047	ug/l	76.95	75.00	4.693E-04	Pulse	0.20	3
As	75	45	2	0.037	ug/l	59.30	30.00	1.865E-04	Pulse	0.50	3
Se	78	45	2	0.250	ug/l	115.59	18.00	1.115E-04	Pulse	1.00	3
Se	78	45	3	0.090	ug/l	34.78	12.00	3.941E-05	Pulse	1.00	3
Sr	88	45	1	-0.002	ug/l	-34.57	373.35	1.272E-04	Pulse	0.10	3
Mo	95	103	1	-0.004	ug/l	-41.40	50.00	1.066E-05	Pulse	0.10	3
Ag	107	115	1	0.003	ug/l	63.43	146.67	2.665E-05	Pulse	0.10	3
Cd	111	115	1	0.001	ug/l	177.07	17.33	3.154E-06	Pulse	0.25	3
Cd	111	115	2	-0.001	ug/l	-130.31	1.33	1.098E-06	Pulse	0.25	3
Sn	117	115	1	0.028	ug/l	48.15	180.01	3.271E-05	Pulse	0.10	3
Sn	118	115	1	0.024	ug/l	6.30	590.04	1.073E-04	Pulse	0.10	3
Sn	118	115	2	0.037	ug/l	23.71	173.34	1.406E-04	Pulse	0.10	3
Sn	119	115	1	0.039	ug/l	22.26	296.68	5.394E-05	Pulse	0.10	3
Sb	121	159	1	0.074	ug/l	1.05	943.39	1.015E-04	Pulse	0.10	3
Ba	137	159	1	0.047	ug/l	54.38	950.07	1.023E-04	Pulse	0.10	3
Tl	205	209	1	0.425	ug/l	8.93	13,907.05	2.484E-03	Pulse	0.10	3
Pb	208	209	1	0.002	ug/l	71.18	726.71	1.297E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,684,124.93	0.33	117.7	Analog	0.10	3
1	Sc	45	2,933,468.81	0.76	123.5	Analog	0.10	3
2	Sc	45	160,325.38	1.96	118.0	Pulse	0.10	3
3	Sc	45	304,576.36	0.48	128.3	Pulse	0.10	3
1	Ge	72	615,797.31	0.30	125.6	Pulse	0.10	3
2	Ge	72	100,931.86	3.52	125.1	Pulse	0.10	3
3	Ge	72	150,236.79	1.21	127.1	Pulse	0.10	3
1	Rh	103	4,692,912.64	0.43	131.3	Analog	0.10	3
2	Rh	103	2,724,280.27	2.40	123.3	Analog	0.10	3
1	In	115	5,501,291.45	0.53	135.1	Analog	0.10	3
2	In	115	1,234,150.86	2.42	118.4	Pulse	0.10	3
1	Tb	159	9,293,057.78	0.34	132.6	Analog	0.10	3
2	Tb	159	5,022,058.88	1.60	120.4	Analog	0.10	3
1	Ho	165	9,059,432.36	0.86	133.2	Analog	0.10	3
2	Ho	165	5,021,819.30	2.40	121.8	Analog	0.10	3
1	Bi	209	5,600,044.71	0.41	128.0	Analog	0.10	3
2	Bi	209	3,544,456.20	2.70	120.1	Analog	0.10	3

Quantitation Report

File Name	068SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 21:52
Sample Name	f99982-8
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	3.743	ug/l	8.77	2,454.88	1.443E-03	Pulse	0.25	3
B	11	6	1	5.787	ug/l	2.13	4,896.42	2.878E-03	Pulse	0.15	3
Na	23	45	1	345.148	ug/l	0.95	1,070,617.20	3.472E-01	Pulse	0.10	3
Na	23	45	2	380.897	ug/l	1.44	45,624.12	2.610E-01	Pulse	0.20	3
Mg	24	45	1	6136.520	ug/l	0.83	10,788,929.01	3.499E+00	Analog	0.10	3
Mg	24	45	2	6339.965	ug/l	0.74	337,139.07	1.928E+00	Pulse	0.20	3
Al	27	45	1	29275.824	ug/l	0.51	68,295,075.65	2.215E+01	Analog	0.10	3
Al	27	45	2	29410.017	ug/l	0.53	580,468.55	3.320E+00	Pulse	0.20	3
K	39	45	1	5509.940	ug/l	0.50	17,467,203.91	5.665E+00	Analog	0.10	3
K	39	45	2	5519.359	ug/l	0.23	288,433.68	1.650E+00	Pulse	0.20	3
Ca	43	45	1	6944.429	ug/l	0.67	41,882.44	1.358E-02	Pulse	1.50	3
Ca	43	45	2	6477.187	ug/l	2.86	1,158.26	6.624E-03	Pulse	1.50	3
Ca	44	45	1	7002.290	ug/l	0.82	686,562.23	2.227E-01	Pulse	0.10	3
Ca	44	45	2	6929.033	ug/l	0.87	19,556.76	1.119E-01	Pulse	0.20	3
Ti	47	45	1	763.951	ug/l	0.87	226,741.33	7.354E-02	Pulse	0.10	3
Ti	47	45	2	811.779	ug/l	1.58	16,364.98	9.362E-02	Pulse	0.20	3
V	51	45	2	64.048	ug/l	1.40	36,655.73	2.096E-01	Pulse	0.20	3
Cr	52	45	2	54.933	ug/l	1.83	41,814.59	2.392E-01	Pulse	0.20	3
Mn	55	45	2	712.344	ug/l	0.60	302,630.29	1.731E+00	Pulse	0.20	3
Fe	56	45	2	47753.353	ug/l	0.93	28,125,510.41	1.609E+02	Analog	0.20	3
Co	59	45	2	21.775	ug/l	1.75	24,256.56	1.387E-01	Pulse	0.20	3
Ni	60	45	2	42.941	ug/l	1.50	12,733.47	7.284E-02	Pulse	0.20	3
Cu	63	45	2	30.818	ug/l	2.09	24,501.92	1.402E-01	Pulse	0.20	3
Cu	65	45	2	31.574	ug/l	1.97	12,314.82	7.045E-02	Pulse	0.20	3
Zn	66	45	2	82.732	ug/l	3.32	11,462.52	6.558E-02	Pulse	0.20	3
As	75	45	2	7.425	ug/l	1.70	645.35	3.691E-03	Pulse	0.50	3
Se	78	45	2	4.709	ug/l	32.02	48.67	2.784E-04	Pulse	1.00	3
Se	78	45	3	0.953	ug/l	30.11	27.00	8.205E-05	Pulse	1.00	3
Sr	88	45	1	50.978	ug/l	0.69	350,600.27	1.137E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.872	ug/l	4.11	1,146.75	2.383E-04	Pulse	0.10	3
Ag	107	115	1	0.049	ug/l	43.92	240.01	4.284E-05	Pulse	0.10	3
Cd	111	115	1	0.108	ug/l	49.10	86.67	1.547E-05	Pulse	0.25	3
Cd	111	115	2	0.182	ug/l	36.13	52.00	3.965E-05	Pulse	0.25	3
Sn	117	115	1	28.056	ug/l	1.81	18,531.54	3.308E-03	Pulse	0.10	3
Sn	118	115	1	28.144	ug/l	2.46	60,239.80	1.075E-02	Pulse	0.10	3
Sn	118	115	2	29.796	ug/l	1.45	18,161.10	1.384E-02	Pulse	0.10	3
Sn	119	115	1	28.754	ug/l	4.72	22,336.45	3.987E-03	Pulse	0.10	3
Sb	121	159	1	0.453	ug/l	5.38	1,126.75	1.193E-04	Pulse	0.10	3
Ba	137	159	1	277.444	ug/l	0.33	296,545.25	3.141E-02	Pulse	0.10	3
Tl	205	209	1	1.146	ug/l	6.16	7,859.08	1.402E-03	Pulse	0.10	3
Pb	208	209	1	28.708	ug/l	1.58	253,176.49	4.518E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,701,195.32	0.92	118.9	Analog	0.10	3
1	Sc	45	3,083,325.06	0.36	129.8	Analog	0.10	3
2	Sc	45	174,827.93	1.03	128.7	Pulse	0.10	3
3	Sc	45	329,203.11	1.21	138.6	Pulse	0.10	3
1	Ge	72	634,170.17	1.15	129.4	Pulse	0.10	3
2	Ge	72	108,379.48	0.34	134.3	Pulse	0.10	3
3	Ge	72	161,609.38	0.13	136.7	Pulse	0.10	3
1	Rh	103	4,813,256.38	1.19	134.6	Analog	0.10	3
2	Rh	103	2,900,481.10	0.35	131.2	Analog	0.10	3
1	In	115	5,602,472.60	0.08	137.6	Analog	0.10	3
2	In	115	1,312,528.72	0.41	126.0	Pulse	0.10	3
1	Tb	159	9,442,634.44	0.79	134.7	Analog	0.10	3
2	Tb	159	5,302,663.67	0.39	127.1	Analog	0.10	3
1	Ho	165	9,195,182.99	0.59	135.2	Analog	0.10	3
2	Ho	165	5,270,658.88	0.30	127.9	Analog	0.10	3
1	Bi	209	5,604,100.54	0.30	128.1	Analog	0.10	3
2	Bi	209	3,660,599.43	0.65	124.0	Analog	0.10	3

Quantitation Report

File Name	069SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 21:57
Sample Name	mp68812-sd1
Sample Type	Sample
Comment	
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	3.789	ug/l	10.22	540.02	2.952E-04	Pulse	0.25	3
B	11	6	1	10.654	ug/l	6.52	2,855.87	1.562E-03	Pulse	0.15	3
Na	23	45	1	433.881	ug/l	2.37	405,126.59	1.254E-01	Pulse	0.10	3
Na	23	45	2	568.874	ug/l	1.76	18,855.87	1.003E-01	Pulse	0.20	3
Mg	24	45	1	6209.802	ug/l	0.15	2,291,114.13	7.090E-01	Analog	0.10	3
Mg	24	45	2	6281.457	ug/l	0.48	71,937.19	3.827E-01	Pulse	0.20	3
Al	27	45	1	29534.012	ug/l	0.63	14,446,951.87	4.471E+00	Analog	0.10	3
Al	27	45	2	28800.945	ug/l	1.56	122,265.04	6.505E-01	Pulse	0.20	3
K	39	45	1	5506.586	ug/l	0.61	4,283,241.39	1.326E+00	Analog	0.10	3
K	39	45	2	5517.663	ug/l	0.29	66,903.45	3.559E-01	Pulse	0.20	3
Ca	43	45	1	7051.768	ug/l	1.22	8,966.85	2.775E-03	Pulse	1.50	3
Ca	43	45	2	5100.866	ug/l	11.77	254.00	1.352E-03	Pulse	1.50	3
Ca	44	45	1	6968.469	ug/l	0.34	145,189.58	4.493E-02	Pulse	0.10	3
Ca	44	45	2	6750.691	ug/l	5.54	4,117.26	2.190E-02	Pulse	0.20	3
Ti	47	45	1	750.816	ug/l	1.82	46,787.41	1.448E-02	Pulse	0.10	3
Ti	47	45	2	753.555	ug/l	2.12	3,267.06	1.738E-02	Pulse	0.20	3
V	51	45	2	62.869	ug/l	2.28	8,058.78	4.287E-02	Pulse	0.20	3
Cr	52	45	2	70.376	ug/l	3.78	12,546.59	6.675E-02	Pulse	0.20	3
Mn	55	45	2	689.768	ug/l	1.19	63,021.65	3.353E-01	Pulse	0.20	3
Fe	56	45	2	45879.743	ug/l	0.62	5,812,847.62	3.093E+01	Analog	0.20	3
Co	59	45	2	20.297	ug/l	1.77	4,885.82	2.599E-02	Pulse	0.20	3
Ni	60	45	2	43.389	ug/l	8.78	2,895.31	1.541E-02	Pulse	0.20	3
Cu	63	45	2	37.964	ug/l	2.28	6,604.78	3.514E-02	Pulse	0.20	3
Cu	65	45	2	38.935	ug/l	6.14	3,307.07	1.760E-02	Pulse	0.20	3
Zn	66	45	2	91.295	ug/l	5.54	2,761.95	1.469E-02	Pulse	0.20	3
As	75	45	2	7.327	ug/l	16.83	151.33	8.053E-04	Pulse	0.50	3
Se	78	45	2	7.015	ug/l	20.05	22.33	1.188E-04	Pulse	1.00	3
Se	78	45	3	1.890	ug/l	31.61	11.67	3.338E-05	Pulse	1.00	3
Sr	88	45	1	50.404	ug/l	3.22	73,043.30	2.261E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	7.293	ug/l	14.57	1,966.88	3.879E-04	Pulse	0.10	3
Ag	107	115	1	-0.004	ug/l	-2167.43	103.34	1.769E-05	Pulse	0.10	3
Cd	111	115	1	0.245	ug/l	42.88	48.00	8.245E-06	Pulse	0.25	3
Cd	111	115	2	0.150	ug/l	142.33	12.00	8.676E-06	Pulse	0.25	3
Sn	117	115	1	21.007	ug/l	14.24	2,970.41	5.093E-04	Pulse	0.10	3
Sn	118	115	1	20.836	ug/l	1.13	9,593.32	1.645E-03	Pulse	0.10	3
Sn	118	115	2	24.053	ug/l	2.21	3,157.10	2.280E-03	Pulse	0.10	3
Sn	119	115	1	22.971	ug/l	5.90	3,847.27	6.597E-04	Pulse	0.10	3
Sb	121	159	1	1.302	ug/l	33.14	740.05	7.685E-05	Pulse	0.10	3
Ba	137	159	1	271.811	ug/l	1.11	59,805.95	6.215E-03	Pulse	0.10	3
Tl	205	209	1	2.928	ug/l	5.83	4,487.53	7.825E-04	Pulse	0.10	3
Pb	208	209	1	28.432	ug/l	1.24	51,806.99	9.038E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,828,833.55	0.42	127.8	Analog	0.10	3
1	Sc	45	3,231,430.99	1.23	136.0	Analog	0.10	3
2	Sc	45	187,965.73	0.43	138.4	Pulse	0.10	3
3	Sc	45	349,569.15	0.31	147.2	Pulse	0.10	3
1	Ge	72	672,366.81	0.94	137.2	Pulse	0.10	3
2	Ge	72	114,571.43	1.00	142.0	Pulse	0.10	3
3	Ge	72	171,385.56	1.10	145.0	Pulse	0.10	3
1	Rh	103	5,072,848.99	1.01	141.9	Analog	0.10	3
2	Rh	103	3,079,583.29	0.73	139.3	Analog	0.10	3
1	In	115	5,831,853.32	0.88	143.2	Analog	0.10	3
2	In	115	1,384,885.67	0.59	132.9	Mix	0.10	3
1	Tb	159	9,623,446.11	0.52	137.3	Analog	0.10	3
2	Tb	159	5,441,132.63	0.58	130.4	Analog	0.10	3
1	Ho	165	9,308,806.74	0.10	136.9	Analog	0.10	3
2	Ho	165	5,366,583.46	0.75	130.2	Analog	0.10	3
1	Bi	209	5,732,904.50	1.31	131.0	Analog	0.10	3
2	Bi	209	3,774,024.01	0.81	127.9	Analog	0.10	3

Quantitation Report

File Name	070SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 22:02
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	50.733	ug/l	1.19	164,319.35	9.756E-02	Pulse	0.25	3
B	11	6	1	52.303	ug/l	0.30	159,972.17	9.498E-02	Pulse	0.15	3
Na	23	45	1	4741.775	ug/l	1.57	60,163,085.77	2.041E+01	Analog	0.10	3
Na	23	45	2	5099.877	ug/l	0.32	2,505,733.09	1.537E+01	Analog	0.20	3
Mg	24	45	1	4804.311	ug/l	1.81	40,367,539.40	1.369E+01	Analog	0.10	3
Mg	24	45	2	4867.424	ug/l	0.53	1,206,640.74	7.401E+00	Pulse	0.20	3
Al	27	45	1	4805.370	ug/l	1.72	53,587,872.54	1.818E+01	Analog	0.10	3
Al	27	45	2	4774.088	ug/l	0.72	439,387.30	2.695E+00	Pulse	0.20	3
K	39	45	1	4939.142	ug/l	1.58	72,370,003.92	2.455E+01	Analog	0.10	3
K	39	45	2	4934.287	ug/l	0.45	1,183,973.37	7.262E+00	Pulse	0.20	3
Ca	43	45	1	4935.478	ug/l	0.96	142,141.64	4.822E-02	Pulse	1.50	3
Ca	43	45	2	4921.830	ug/l	0.46	3,936.25	2.414E-02	Pulse	1.50	3
Ca	44	45	1	4997.599	ug/l	1.21	2,336,622.94	7.926E-01	Analog	0.10	3
Ca	44	45	2	5038.635	ug/l	0.32	66,253.13	4.064E-01	Pulse	0.20	3
Ti	47	45	1	48.270	ug/l	1.05	68,545.55	2.325E-02	Pulse	0.10	3
Ti	47	45	2	51.400	ug/l	2.94	4,832.46	2.964E-02	Pulse	0.20	3
V	51	45	2	52.810	ug/l	1.50	139,836.45	8.577E-01	Pulse	0.20	3
Cr	52	45	2	52.549	ug/l	0.40	181,994.78	1.116E+00	Pulse	0.20	3
Mn	55	45	2	50.598	ug/l	0.89	100,243.27	6.148E-01	Pulse	0.20	3
Fe	56	45	2	5060.145	ug/l	0.26	13,899,041.46	8.525E+01	Analog	0.20	3
Co	59	45	2	51.731	ug/l	0.65	268,429.96	1.646E+00	Pulse	0.20	3
Ni	60	45	2	50.817	ug/l	0.60	69,583.08	4.268E-01	Pulse	0.20	3
Cu	63	45	2	50.487	ug/l	0.92	186,231.48	1.142E+00	Pulse	0.20	3
Cu	65	45	2	49.934	ug/l	0.87	90,494.48	5.550E-01	Pulse	0.20	3
Zn	66	45	2	50.609	ug/l	2.31	32,605.94	2.000E-01	Pulse	0.20	3
As	75	45	2	53.107	ug/l	0.53	20,977.53	1.287E-01	Pulse	0.50	3
Se	78	45	2	51.030	ug/l	3.24	2,016.13	1.237E-02	Pulse	1.00	3
Se	78	45	3	50.022	ug/l	2.04	6,591.68	2.116E-02	Pulse	1.00	3
Sr	88	45	1	52.413	ug/l	2.54	1,721,180.86	5.839E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	48.513	ug/l	2.73	283,944.35	6.188E-02	Pulse	0.10	3
Ag	107	115	1	47.598	ug/l	1.20	644,543.62	1.208E-01	Pulse	0.10	3
Cd	111	115	1	48.500	ug/l	1.44	157,152.51	2.946E-02	Pulse	0.25	3
Cd	111	115	2	51.606	ug/l	0.59	64,625.72	5.258E-02	Pulse	0.25	3
Sn	117	115	1	49.122	ug/l	1.16	153,804.27	2.883E-02	Pulse	0.10	3
Sn	118	115	1	49.429	ug/l	0.76	501,165.12	9.394E-02	Pulse	0.10	3
Sn	118	115	2	51.754	ug/l	1.39	147,189.14	1.198E-01	Pulse	0.10	3
Sn	119	115	1	49.203	ug/l	2.27	180,873.21	3.391E-02	Pulse	0.10	3
Sb	121	159	1	59.313	ug/l	2.10	595,914.84	6.560E-02	Pulse	0.10	3
Ba	137	159	1	51.145	ug/l	0.74	263,058.43	2.895E-02	Pulse	0.10	3
Tl	205	209	1	53.785	ug/l	1.33	1,584,428.41	2.976E-01	Analog	0.10	3
Pb	208	209	1	49.765	ug/l	1.41	2,080,283.00	3.907E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,684,378.78	0.84	117.7	Analog	0.10	3
1	Sc	45	2,948,225.89	1.17	124.1	Analog	0.10	3
2	Sc	45	163,043.75	0.30	120.0	Pulse	0.10	3
3	Sc	45	311,552.93	1.29	131.2	Pulse	0.10	3
1	Ge	72	608,788.83	1.81	124.2	Pulse	0.10	3
2	Ge	72	99,559.82	1.50	123.4	Pulse	0.10	3
3	Ge	72	151,313.88	1.31	128.0	Pulse	0.10	3
1	Rh	103	4,589,773.89	1.80	128.4	Analog	0.10	3
2	Rh	103	2,711,272.56	1.13	122.7	Analog	0.10	3
1	In	115	5,335,276.52	1.33	131.0	Analog	0.10	3
2	In	115	1,229,127.85	0.69	118.0	Pulse	0.10	3
1	Tb	159	9,086,451.11	1.54	129.6	Analog	0.10	3
2	Tb	159	5,088,098.67	1.34	122.0	Analog	0.10	3
1	Ho	165	8,783,219.87	1.43	129.2	Analog	0.10	3
2	Ho	165	5,059,762.63	0.71	122.7	Analog	0.10	3
1	Bi	209	5,324,580.55	0.82	121.7	Analog	0.10	3
2	Bi	209	3,455,087.55	0.30	117.0	Analog	0.10	3

Quantitation Report

File Name	071SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 22:08
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.005	ug/l	134.77	21.33	1.252E-05	Pulse	0.25	3
B	11	6	1	1.083	ug/l	3.01	4,665.19	2.745E-03	Pulse	0.15	3
Na	23	45	1	-2.176	ug/l	-2.53	121,836.33	4.151E-02	Pulse	0.10	3
Na	23	45	2	1.127	ug/l	65.59	5,922.84	3.527E-02	Pulse	0.20	3
Mg	24	45	1	-0.185	ug/l	-15.18	1,573.48	5.360E-04	Pulse	0.10	3
Mg	24	45	2	-0.237	ug/l	-39.07	61.67	3.683E-04	Pulse	0.20	3
Al	27	45	1	-0.155	ug/l	-11.95	4,647.47	1.583E-03	Pulse	0.10	3
Al	27	45	2	0.083	ug/l	67.51	45.00	2.682E-04	Pulse	0.20	3
K	39	45	1	0.018	ug/l	1770.52	709,022.46	2.416E-01	Pulse	0.10	3
K	39	45	2	2.667	ug/l	51.49	6,124.59	3.649E-02	Pulse	0.20	3
Ca	43	45	1	0.015	ug/l	1834.01	61.11	2.081E-05	Pulse	1.50	3
Ca	43	45	2	-74.381	ug/l	-2.31	1.11	6.656E-06	Pulse	1.50	3
Ca	44	45	1	-2.369	ug/l	-12.19	1,146.76	3.906E-04	Pulse	0.10	3
Ca	44	45	2	0.408	ug/l	254.75	28.33	1.682E-04	Pulse	0.20	3
Ti	47	45	1	-0.015	ug/l	-46.97	60.00	2.044E-05	Pulse	0.10	3
Ti	47	45	2	0.035	ug/l	173.21	3.33	2.005E-05	Pulse	0.20	3
V	51	45	2	-0.008	ug/l	-64.58	336.68	2.005E-03	Pulse	0.20	3
Cr	52	45	2	0.161	ug/l	14.99	1,803.47	1.074E-02	Pulse	0.20	3
Mn	55	45	2	0.011	ug/l	36.14	28.33	1.690E-04	Pulse	0.20	3
Fe	56	45	2	0.487	ug/l	3.09	3,632.14	2.163E-02	Pulse	0.20	3
Co	59	45	2	0.000	ug/l	1084.70	28.33	1.695E-04	Pulse	0.20	3
Ni	60	45	2	-0.017	ug/l	-46.17	120.00	7.152E-04	Pulse	0.20	3
Cu	63	45	2	-0.007	ug/l	-104.52	110.00	6.556E-04	Pulse	0.20	3
Cu	65	45	2	-0.001	ug/l	-1927.61	48.33	2.867E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.046	ug/l	62.07	78.33	4.666E-04	Pulse	0.20	3
As	75	45	2	0.003	ug/l	240.74	17.33	1.032E-04	Pulse	0.50	3
Se	78	45	2	-0.007	ug/l	-1665.45	8.33	4.945E-05	Pulse	1.00	3
Se	78	45	3	0.047	ug/l	19.16	6.67	2.131E-05	Pulse	1.00	3
Sr	88	45	1	-0.001	ug/l	-142.52	413.36	1.408E-04	Pulse	0.10	3
Mo	95	103	1	0.050	ug/l	3.50	370.02	7.957E-05	Pulse	0.10	3
Ag	107	115	1	0.003	ug/l	62.97	140.01	2.586E-05	Pulse	0.10	3
Cd	111	115	1	-0.001	ug/l	-198.44	9.33	1.724E-06	Pulse	0.25	3
Cd	111	115	2	0.000	ug/l	-419.86	2.67	2.120E-06	Pulse	0.25	3
Sn	117	115	1	0.077	ug/l	17.48	333.35	6.157E-05	Pulse	0.10	3
Sn	118	115	1	0.067	ug/l	18.97	1,030.08	1.902E-04	Pulse	0.10	3
Sn	118	115	2	0.124	ug/l	23.29	430.02	3.405E-04	Pulse	0.10	3
Sn	119	115	1	0.101	ug/l	13.63	523.37	9.667E-05	Pulse	0.10	3
Sb	121	159	1	0.057	ug/l	16.60	753.38	8.260E-05	Pulse	0.10	3
Ba	137	159	1	0.027	ug/l	113.54	830.06	9.104E-05	Pulse	0.10	3
Tl	205	209	1	0.064	ug/l	25.11	2,697.02	4.906E-04	Pulse	0.10	3
Pb	208	209	1	-0.001	ug/l	-314.14	580.03	1.054E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,699,634.28	0.78	118.7	Analog	0.10	3
1	Sc	45	2,935,251.73	0.31	123.6	Analog	0.10	3
2	Sc	45	167,895.32	1.11	123.6	Pulse	0.10	3
3	Sc	45	313,067.23	1.08	131.9	Pulse	0.10	3
1	Ge	72	611,064.83	0.56	124.7	Pulse	0.10	3
2	Ge	72	102,790.47	0.95	127.4	Pulse	0.10	3
3	Ge	72	154,456.40	1.71	130.6	Pulse	0.10	3
1	Rh	103	4,650,595.35	0.20	130.1	Analog	0.10	3
2	Rh	103	2,792,865.79	0.48	126.4	Analog	0.10	3
1	In	115	5,415,487.79	0.41	133.0	Analog	0.10	3
2	In	115	1,261,964.59	0.55	121.1	Pulse	0.10	3
1	Tb	159	9,121,975.07	0.77	130.1	Analog	0.10	3
2	Tb	159	5,160,090.97	0.14	123.7	Analog	0.10	3
1	Ho	165	8,819,726.53	0.85	129.7	Analog	0.10	3
2	Ho	165	5,115,135.03	0.44	124.1	Analog	0.10	3
1	Bi	209	5,500,922.21	0.64	125.7	Analog	0.10	3
2	Bi	209	3,589,055.88	0.26	121.6	Analog	0.10	3

Quantitation Report

File Name	072SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 22:13
Sample Name	f99982-2
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	2.252	ug/l	7.14	1,533.42	8.699E-04	Pulse	0.25	3
B	11	6	1	6.999	ug/l	1.30	5,841.15	3.315E-03	Pulse	0.15	3
Na	23	45	1	233.923	ug/l	0.93	794,740.75	2.517E-01	Pulse	0.10	3
Na	23	45	2	268.200	ug/l	1.72	34,340.38	1.932E-01	Pulse	0.20	3
Mg	24	45	1	5609.547	ug/l	0.52	10,099,372.35	3.199E+00	Analog	0.10	3
Mg	24	45	2	5650.625	ug/l	0.76	305,521.08	1.719E+00	Pulse	0.20	3
Al	27	45	1	25125.054	ug/l	0.66	60,019,485.77	1.901E+01	Analog	0.10	3
Al	27	45	2	24867.357	ug/l	0.67	499,017.68	2.807E+00	Pulse	0.20	3
K	39	45	1	4737.326	ug/l	0.93	15,485,273.52	4.905E+00	Analog	0.10	3
K	39	45	2	4693.525	ug/l	1.44	250,252.47	1.408E+00	Pulse	0.20	3
Ca	43	45	1	4677.709	ug/l	0.91	28,909.24	9.156E-03	Pulse	1.50	3
Ca	43	45	2	4193.468	ug/l	1.91	785.13	4.418E-03	Pulse	1.50	3
Ca	44	45	1	4715.824	ug/l	0.73	474,258.12	1.502E-01	Pulse	0.10	3
Ca	44	45	2	4637.346	ug/l	3.15	13,315.56	7.491E-02	Pulse	0.20	3
Ti	47	45	1	1002.951	ug/l	0.42	304,799.52	9.653E-02	Pulse	0.10	3
Ti	47	45	2	1055.481	ug/l	0.94	21,636.02	1.217E-01	Pulse	0.20	3
V	51	45	2	66.566	ug/l	0.48	38,715.38	2.178E-01	Pulse	0.20	3
Cr	52	45	2	64.096	ug/l	2.00	49,390.53	2.779E-01	Pulse	0.20	3
Mn	55	45	2	623.100	ug/l	0.64	269,144.91	1.514E+00	Pulse	0.20	3
Fe	56	45	2	47872.057	ug/l	1.06	28,668,345.41	1.613E+02	Analog	0.20	3
Co	59	45	2	23.523	ug/l	1.65	26,641.91	1.499E-01	Pulse	0.20	3
Ni	60	45	2	41.531	ug/l	3.59	12,524.99	7.048E-02	Pulse	0.20	3
Cu	63	45	2	41.319	ug/l	1.12	33,354.11	1.876E-01	Pulse	0.20	3
Cu	65	45	2	41.444	ug/l	0.63	16,420.13	9.238E-02	Pulse	0.20	3
Zn	66	45	2	175.616	ug/l	2.12	24,683.82	1.389E-01	Pulse	0.20	3
As	75	45	2	8.778	ug/l	4.31	772.69	4.346E-03	Pulse	0.50	3
Se	78	45	2	3.830	ug/l	35.67	42.00	2.360E-04	Pulse	1.00	3
Se	78	45	3	0.910	ug/l	19.63	25.67	7.837E-05	Pulse	1.00	3
Sr	88	45	1	36.509	ug/l	1.15	257,250.91	8.148E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	2.078	ug/l	16.99	2,660.33	5.459E-04	Pulse	0.10	3
Ag	107	115	1	0.072	ug/l	24.12	306.68	5.466E-05	Pulse	0.10	3
Cd	111	115	1	0.208	ug/l	27.04	154.67	2.752E-05	Pulse	0.25	3
Cd	111	115	2	0.240	ug/l	18.21	68.00	5.153E-05	Pulse	0.25	3
Sn	117	115	1	75.507	ug/l	1.50	49,829.82	8.874E-03	Pulse	0.10	3
Sn	118	115	1	75.024	ug/l	1.00	160,359.62	2.856E-02	Pulse	0.10	3
Sn	118	115	2	78.184	ug/l	1.10	47,773.60	3.622E-02	Pulse	0.10	3
Sn	119	115	1	75.308	ug/l	2.30	58,376.05	1.040E-02	Pulse	0.10	3
Sb	121	159	1	1.106	ug/l	5.47	2,476.97	2.639E-04	Pulse	0.10	3
Ba	137	159	1	229.780	ug/l	1.11	244,216.00	2.602E-02	Pulse	0.10	3
Tl	205	209	1	0.560	ug/l	8.50	4,187.43	7.547E-04	Pulse	0.10	3
Pb	208	209	1	116.732	ug/l	0.21	1,017,361.65	1.834E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,762,042.24	1.58	123.1	Analog	0.10	3
1	Sc	45	3,157,392.66	0.62	132.9	Analog	0.10	3
2	Sc	45	177,750.33	0.90	130.9	Pulse	0.10	3
3	Sc	45	327,379.57	0.37	137.9	Pulse	0.10	3
1	Ge	72	651,018.23	0.35	132.8	Pulse	0.10	3
2	Ge	72	108,651.22	0.98	134.6	Pulse	0.10	3
3	Ge	72	161,040.47	1.45	136.2	Pulse	0.10	3
1	Rh	103	4,874,651.18	0.32	136.4	Analog	0.10	3
2	Rh	103	2,929,302.14	1.01	132.5	Analog	0.10	3
1	In	115	5,614,573.84	0.74	137.9	Analog	0.10	3
2	In	115	1,318,918.47	1.11	126.6	Pulse	0.10	3
1	Tb	159	9,384,475.90	0.46	133.9	Analog	0.10	3
2	Tb	159	5,249,776.90	0.80	125.8	Analog	0.10	3
1	Ho	165	9,053,286.32	0.32	133.2	Analog	0.10	3
2	Ho	165	5,226,639.92	0.80	126.8	Analog	0.10	3
1	Bi	209	5,548,433.87	0.21	126.8	Analog	0.10	3
2	Bi	209	3,606,398.90	0.49	122.2	Analog	0.10	3

Quantitation Report

File Name	073SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 22:18
Sample Name	f99982-4
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.849	ug/l	6.40	1,256.07	7.148E-04	Pulse	0.25	3
B	11	6	1	4.945	ug/l	2.72	4,522.96	2.575E-03	Pulse	0.15	3
Na	23	45	1	499.334	ug/l	0.20	1,501,290.13	4.796E-01	Analog	0.10	3
Na	23	45	2	524.742	ug/l	3.27	61,795.50	3.475E-01	Pulse	0.20	3
Mg	24	45	1	5705.401	ug/l	0.85	10,183,521.52	3.253E+00	Analog	0.10	3
Mg	24	45	2	5742.999	ug/l	0.89	310,717.85	1.747E+00	Pulse	0.20	3
Al	27	45	1	22252.116	ug/l	1.07	52,700,014.21	1.684E+01	Analog	0.10	3
Al	27	45	2	21967.085	ug/l	1.35	441,093.86	2.480E+00	Pulse	0.20	3
K	39	45	1	3235.739	ug/l	0.73	10,725,536.92	3.426E+00	Analog	0.10	3
K	39	45	2	3228.403	ug/l	1.66	174,037.33	9.786E-01	Pulse	0.20	3
Ca	43	45	1	6121.820	ug/l	0.79	37,489.66	1.198E-02	Pulse	1.50	3
Ca	43	45	2	5659.996	ug/l	3.60	1,037.59	5.834E-03	Pulse	1.50	3
Ca	44	45	1	6197.820	ug/l	0.92	617,189.56	1.972E-01	Pulse	0.10	3
Ca	44	45	2	6173.430	ug/l	1.25	17,731.33	9.968E-02	Pulse	0.20	3
Ti	47	45	1	932.721	ug/l	1.33	281,016.83	8.978E-02	Pulse	0.10	3
Ti	47	45	2	967.381	ug/l	3.04	19,838.82	1.116E-01	Pulse	0.20	3
V	51	45	2	56.987	ug/l	1.48	33,218.58	1.868E-01	Pulse	0.20	3
Cr	52	45	2	39.500	ug/l	3.12	30,952.54	1.741E-01	Pulse	0.20	3
Mn	55	45	2	568.465	ug/l	1.73	245,694.36	1.381E+00	Pulse	0.20	3
Fe	56	45	2	67839.986	ug/l	1.16	40,650,119.39	2.286E+02	Analog	0.20	3
Co	59	45	2	16.173	ug/l	0.46	18,337.17	1.031E-01	Pulse	0.20	3
Ni	60	45	2	30.452	ug/l	2.96	9,232.77	5.191E-02	Pulse	0.20	3
Cu	63	45	2	33.324	ug/l	2.40	26,940.66	1.515E-01	Pulse	0.20	3
Cu	65	45	2	33.649	ug/l	0.53	13,350.66	7.506E-02	Pulse	0.20	3
Zn	66	45	2	156.789	ug/l	1.48	22,060.11	1.240E-01	Pulse	0.20	3
As	75	45	2	7.770	ug/l	3.88	686.02	3.858E-03	Pulse	0.50	3
Se	78	45	2	3.245	ug/l	43.51	37.00	2.077E-04	Pulse	1.00	3
Se	78	45	3	0.681	ug/l	27.75	19.33	5.898E-05	Pulse	1.00	3
Sr	88	45	1	42.059	ug/l	0.53	293,743.00	9.384E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.983	ug/l	17.22	1,286.77	2.665E-04	Pulse	0.10	3
Ag	107	115	1	0.079	ug/l	19.39	323.35	5.799E-05	Pulse	0.10	3
Cd	111	115	1	0.154	ug/l	28.49	117.33	2.102E-05	Pulse	0.25	3
Cd	111	115	2	0.176	ug/l	34.18	50.67	3.851E-05	Pulse	0.25	3
Sn	117	115	1	28.816	ug/l	2.92	18,952.07	3.397E-03	Pulse	0.10	3
Sn	118	115	1	28.583	ug/l	2.53	60,912.42	1.092E-02	Pulse	0.10	3
Sn	118	115	2	30.794	ug/l	2.32	18,811.91	1.430E-02	Pulse	0.10	3
Sn	119	115	1	28.472	ug/l	3.15	22,022.67	3.948E-03	Pulse	0.10	3
Sb	121	159	1	0.495	ug/l	9.25	1,196.76	1.286E-04	Pulse	0.10	3
Ba	137	159	1	214.613	ug/l	1.38	226,167.07	2.431E-02	Pulse	0.10	3
Tl	205	209	1	0.402	ug/l	11.99	3,180.49	5.793E-04	Pulse	0.10	3
Pb	208	209	1	33.861	ug/l	1.27	292,439.87	5.327E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,756,495.27	0.96	122.7	Analog	0.10	3
1	Sc	45	3,130,186.52	0.17	131.8	Analog	0.10	3
2	Sc	45	177,873.63	1.15	131.0	Pulse	0.10	3
3	Sc	45	328,068.05	0.51	138.2	Pulse	0.10	3
1	Ge	72	644,958.32	0.45	131.6	Pulse	0.10	3
2	Ge	72	108,440.62	0.66	134.4	Pulse	0.10	3
3	Ge	72	158,362.16	1.03	133.9	Pulse	0.10	3
1	Rh	103	4,828,903.47	0.46	135.1	Analog	0.10	3
2	Rh	103	2,896,749.33	0.24	131.1	Analog	0.10	3
1	In	115	5,578,626.72	0.57	137.0	Analog	0.10	3
2	In	115	1,315,584.32	0.31	126.3	Pulse	0.10	3
1	Tb	159	9,303,453.40	0.16	132.7	Analog	0.10	3
2	Tb	159	5,270,849.30	0.43	126.3	Analog	0.10	3
1	Ho	165	9,052,221.53	0.59	133.1	Analog	0.10	3
2	Ho	165	5,222,512.94	0.38	126.7	Analog	0.10	3
1	Bi	209	5,490,175.96	0.36	125.5	Analog	0.10	3
2	Bi	209	3,600,798.90	0.42	122.0	Analog	0.10	3

Quantitation Report

File Name	074SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 22:23
Sample Name	f99982-6
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.480	ug/l	3.32	992.04	5.731E-04	Pulse	0.25	3
B	11	6	1	4.905	ug/l	7.87	4,431.85	2.561E-03	Pulse	0.15	3
Na	23	45	1	212.133	ug/l	0.25	712,145.30	2.330E-01	Pulse	0.10	3
Na	23	45	2	230.192	ug/l	3.53	29,497.86	1.703E-01	Pulse	0.20	3
Mg	24	45	1	4285.196	ug/l	0.74	7,468,906.56	2.444E+00	Analog	0.10	3
Mg	24	45	2	4219.967	ug/l	4.08	222,286.10	1.284E+00	Pulse	0.20	3
Al	27	45	1	19681.238	ug/l	0.59	45,512,235.99	1.489E+01	Analog	0.10	3
Al	27	45	2	19127.525	ug/l	2.49	373,972.83	2.160E+00	Pulse	0.20	3
K	39	45	1	3901.963	ug/l	0.38	12,476,646.48	4.082E+00	Analog	0.10	3
K	39	45	2	3795.243	ug/l	3.36	198,202.96	1.145E+00	Pulse	0.20	3
Ca	43	45	1	4661.982	ug/l	0.30	27,891.30	9.126E-03	Pulse	1.50	3
Ca	43	45	2	4213.656	ug/l	4.31	768.24	4.437E-03	Pulse	1.50	3
Ca	44	45	1	4730.374	ug/l	2.08	460,471.98	1.507E-01	Pulse	0.10	3
Ca	44	45	2	4692.438	ug/l	4.65	13,125.39	7.580E-02	Pulse	0.20	3
Ti	47	45	1	657.790	ug/l	0.68	193,529.14	6.332E-02	Pulse	0.10	3
Ti	47	45	2	683.084	ug/l	5.80	13,635.84	7.877E-02	Pulse	0.20	3
V	51	45	2	42.640	ug/l	1.35	24,298.16	1.403E-01	Pulse	0.20	3
Cr	52	45	2	37.430	ug/l	0.91	28,635.03	1.653E-01	Pulse	0.20	3
Mn	55	45	2	298.383	ug/l	2.63	125,574.69	7.251E-01	Pulse	0.20	3
Fe	56	45	2	23330.390	ug/l	3.07	13,612,085.22	7.861E+01	Analog	0.20	3
Co	59	45	2	10.740	ug/l	3.47	11,862.77	6.851E-02	Pulse	0.20	3
Ni	60	45	2	26.652	ug/l	6.36	7,882.04	4.554E-02	Pulse	0.20	3
Cu	63	45	2	15.801	ug/l	2.23	12,513.30	7.226E-02	Pulse	0.20	3
Cu	65	45	2	16.128	ug/l	5.05	6,254.64	3.613E-02	Pulse	0.20	3
Zn	66	45	2	57.604	ug/l	3.09	7,922.04	4.575E-02	Pulse	0.20	3
As	75	45	2	3.132	ug/l	2.91	279.33	1.612E-03	Pulse	0.50	3
Se	78	45	2	1.580	ug/l	49.01	22.00	1.274E-04	Pulse	1.00	3
Se	78	45	3	0.564	ug/l	7.63	15.67	4.913E-05	Pulse	1.00	3
Sr	88	45	1	34.814	ug/l	0.65	237,490.88	7.770E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.030	ug/l	20.08	1,326.77	2.787E-04	Pulse	0.10	3
Ag	107	115	1	0.050	ug/l	36.98	240.01	4.352E-05	Pulse	0.10	3
Cd	111	115	1	0.077	ug/l	28.16	64.00	1.161E-05	Pulse	0.25	3
Cd	111	115	2	0.092	ug/l	43.70	28.00	2.123E-05	Pulse	0.25	3
Sn	117	115	1	31.603	ug/l	0.69	20,534.15	3.724E-03	Pulse	0.10	3
Sn	118	115	1	31.351	ug/l	1.32	66,009.10	1.197E-02	Pulse	0.10	3
Sn	118	115	2	32.199	ug/l	4.16	19,759.79	1.495E-02	Pulse	0.10	3
Sn	119	115	1	31.776	ug/l	1.84	24,279.47	4.403E-03	Pulse	0.10	3
Sb	121	159	1	0.642	ug/l	5.67	1,486.81	1.611E-04	Pulse	0.10	3
Ba	137	159	1	155.004	ug/l	0.97	162,210.41	1.758E-02	Pulse	0.10	3
Tl	205	209	1	0.439	ug/l	11.97	3,403.85	6.208E-04	Pulse	0.10	3
Pb	208	209	1	20.371	ug/l	1.10	175,981.38	3.209E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,731,260.78	0.92	121.0	Analog	0.10	3
1	Sc	45	3,056,358.91	0.61	128.7	Analog	0.10	3
2	Sc	45	173,228.92	1.91	127.5	Pulse	0.10	3
3	Sc	45	318,933.60	1.70	134.3	Pulse	0.10	3
1	Ge	72	632,560.75	0.25	129.0	Pulse	0.10	3
2	Ge	72	106,217.25	0.89	131.6	Pulse	0.10	3
3	Ge	72	155,643.58	0.98	131.6	Pulse	0.10	3
1	Rh	103	4,761,707.53	0.26	133.2	Analog	0.10	3
2	Rh	103	2,891,738.92	2.61	130.8	Analog	0.10	3
1	In	115	5,514,183.29	0.06	135.4	Analog	0.10	3
2	In	115	1,322,041.29	1.16	126.9	Mix	0.10	3
1	Tb	159	9,227,403.61	0.07	131.6	Analog	0.10	3
2	Tb	159	5,298,404.40	2.27	127.0	Analog	0.10	3
1	Ho	165	8,917,386.12	0.42	131.2	Analog	0.10	3
2	Ho	165	5,244,188.78	2.36	127.2	Analog	0.10	3
1	Bi	209	5,484,519.09	1.03	125.4	Analog	0.10	3
2	Bi	209	3,637,058.07	1.88	123.2	Analog	0.10	3

Quantitation Report

File Name	075SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 22:28
Sample Name	f99982-10
Sample Type	Sample
Comment	
Prep Dilution	5.000
Auto Dilution	N/A
Total Dilution	5.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.934	ug/l	6.17	1,281.40	7.473E-04	Pulse	0.25	3
B	11	6	1	4.357	ug/l	5.72	4,051.71	2.363E-03	Pulse	0.15	3
Na	23	45	1	256.364	ug/l	1.56	812,342.80	2.710E-01	Pulse	0.10	3
Na	23	45	2	283.738	ug/l	1.15	34,617.66	2.025E-01	Pulse	0.20	3
Mg	24	45	1	4654.419	ug/l	0.44	7,956,980.09	2.654E+00	Analog	0.10	3
Mg	24	45	2	4610.068	ug/l	0.83	239,704.18	1.402E+00	Pulse	0.20	3
Al	27	45	1	21136.565	ug/l	0.72	47,941,855.95	1.599E+01	Analog	0.10	3
Al	27	45	2	20732.761	ug/l	0.25	400,069.33	2.341E+00	Pulse	0.20	3
K	39	45	1	4161.356	ug/l	0.94	13,003,793.97	4.338E+00	Analog	0.10	3
K	39	45	2	4107.601	ug/l	1.02	211,276.60	1.236E+00	Pulse	0.20	3
Ca	43	45	1	5681.802	ug/l	0.55	33,328.92	1.112E-02	Pulse	1.50	3
Ca	43	45	2	5073.489	ug/l	4.84	900.47	5.268E-03	Pulse	1.50	3
Ca	44	45	1	5684.477	ug/l	0.25	542,330.07	1.809E-01	Pulse	0.10	3
Ca	44	45	2	5759.567	ug/l	0.57	15,896.16	9.300E-02	Pulse	0.20	3
Ti	47	45	1	749.691	ug/l	1.06	216,331.33	7.216E-02	Pulse	0.10	3
Ti	47	45	2	765.736	ug/l	1.68	15,092.07	8.831E-02	Pulse	0.20	3
V	51	45	2	50.540	ug/l	1.02	28,352.85	1.659E-01	Pulse	0.20	3
Cr	52	45	2	37.845	ug/l	1.81	28,553.28	1.671E-01	Pulse	0.20	3
Mn	55	45	2	322.754	ug/l	1.71	134,052.81	7.844E-01	Pulse	0.20	3
Fe	56	45	2	25234.024	ug/l	0.94	14,531,422.28	8.502E+01	Analog	0.20	3
Co	59	45	2	11.255	ug/l	2.04	12,271.47	7.179E-02	Pulse	0.20	3
Ni	60	45	2	23.326	ug/l	1.44	6,829.88	3.996E-02	Pulse	0.20	3
Cu	63	45	2	17.113	ug/l	1.35	13,363.98	7.819E-02	Pulse	0.20	3
Cu	65	45	2	17.527	ug/l	5.54	6,706.49	3.924E-02	Pulse	0.20	3
Zn	66	45	2	69.967	ug/l	4.01	9,486.25	5.550E-02	Pulse	0.20	3
As	75	45	2	4.201	ug/l	3.15	364.01	2.130E-03	Pulse	0.50	3
Se	78	45	2	1.890	ug/l	40.66	24.33	1.424E-04	Pulse	1.00	3
Se	78	45	3	1.265	ug/l	27.38	34.33	1.084E-04	Pulse	1.00	3
Sr	88	45	1	40.111	ug/l	1.71	268,292.96	8.950E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.569	ug/l	20.46	753.39	1.611E-04	Pulse	0.10	3
Ag	107	115	1	0.074	ug/l	16.72	300.01	5.571E-05	Pulse	0.10	3
Cd	111	115	1	0.118	ug/l	34.94	89.33	1.660E-05	Pulse	0.25	3
Cd	111	115	2	0.131	ug/l	59.27	37.33	2.917E-05	Pulse	0.25	3
Sn	117	115	1	28.159	ug/l	3.93	17,877.49	3.320E-03	Pulse	0.10	3
Sn	118	115	1	27.633	ug/l	2.20	56,853.67	1.056E-02	Pulse	0.10	3
Sn	118	115	2	29.203	ug/l	2.28	17,366.92	1.356E-02	Pulse	0.10	3
Sn	119	115	1	28.278	ug/l	1.53	21,114.92	3.921E-03	Pulse	0.10	3
Sb	121	159	1	0.507	ug/l	31.85	1,193.44	1.313E-04	Pulse	0.10	3
Ba	137	159	1	168.543	ug/l	0.46	173,661.17	1.911E-02	Pulse	0.10	3
Tl	205	209	1	0.957	ug/l	0.64	6,475.02	1.193E-03	Pulse	0.10	3
Pb	208	209	1	19.545	ug/l	0.97	167,109.97	3.079E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,714,245.48	0.59	119.8	Analog	0.10	3
1	Sc	45	2,997,901.00	0.85	126.2	Analog	0.10	3
2	Sc	45	170,918.06	0.53	125.8	Pulse	0.10	3
3	Sc	45	316,002.02	1.34	133.1	Pulse	0.10	3
1	Ge	72	619,285.48	0.40	126.3	Pulse	0.10	3
2	Ge	72	103,303.10	0.78	128.0	Pulse	0.10	3
3	Ge	72	153,601.31	1.58	129.9	Pulse	0.10	3
1	Rh	103	4,675,221.39	0.25	130.8	Analog	0.10	3
2	Rh	103	2,811,234.65	0.40	127.2	Analog	0.10	3
1	In	115	5,384,632.09	0.39	132.2	Analog	0.10	3
2	In	115	1,280,547.76	0.22	122.9	Pulse	0.10	3
1	Tb	159	9,088,402.78	0.18	129.6	Analog	0.10	3
2	Tb	159	5,152,371.17	0.33	123.5	Analog	0.10	3
1	Ho	165	8,833,527.99	0.59	129.9	Analog	0.10	3
2	Ho	165	5,107,689.40	0.21	123.9	Analog	0.10	3
1	Bi	209	5,426,855.13	0.25	124.0	Analog	0.10	3
2	Bi	209	3,550,943.17	0.54	120.3	Analog	0.10	3

Quantitation Report

File Name	076SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 22:33
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	52.946	ug/l	7.31	162,298.68	1.018E-01	Pulse	0.25	3
B	11	6	1	54.665	ug/l	7.57	158,158.39	9.923E-02	Pulse	0.15	3
Na	23	45	1	4925.213	ug/l	7.62	59,555,127.45	2.120E+01	Analog	0.10	3
Na	23	45	2	4980.109	ug/l	1.89	2,437,591.06	1.501E+01	Analog	0.20	3
Mg	24	45	1	5002.947	ug/l	7.59	40,065,506.90	1.426E+01	Analog	0.10	3
Mg	24	45	2	4757.061	ug/l	2.11	1,174,712.01	7.233E+00	Pulse	0.20	3
Al	27	45	1	4970.673	ug/l	7.84	52,826,257.54	1.880E+01	Analog	0.10	3
Al	27	45	2	4717.120	ug/l	3.20	432,417.30	2.663E+00	Pulse	0.20	3
K	39	45	1	5128.036	ug/l	7.65	71,586,807.27	2.548E+01	Analog	0.10	3
K	39	45	2	4838.581	ug/l	2.50	1,156,565.95	7.121E+00	Pulse	0.20	3
Ca	43	45	1	5113.292	ug/l	7.59	140,344.15	4.995E-02	Pulse	1.50	3
Ca	43	45	2	4838.410	ug/l	2.94	3,855.34	2.374E-02	Pulse	1.50	3
Ca	44	45	1	5186.561	ug/l	7.12	2,311,584.81	8.226E-01	Analog	0.10	3
Ca	44	45	2	4941.972	ug/l	1.11	64,737.46	3.986E-01	Pulse	0.20	3
Ti	47	45	1	49.645	ug/l	5.58	67,243.60	2.391E-02	Pulse	0.10	3
Ti	47	45	2	50.227	ug/l	4.50	4,704.09	2.896E-02	Pulse	0.20	3
V	51	45	2	51.813	ug/l	2.43	136,665.82	8.415E-01	Pulse	0.20	3
Cr	52	45	2	51.306	ug/l	2.93	177,015.85	1.090E+00	Pulse	0.20	3
Mn	55	45	2	50.434	ug/l	2.47	99,527.31	6.128E-01	Pulse	0.20	3
Fe	56	45	2	4962.555	ug/l	1.99	13,578,491.05	8.360E+01	Analog	0.20	3
Co	59	45	2	50.736	ug/l	3.11	262,219.94	1.615E+00	Pulse	0.20	3
Ni	60	45	2	49.878	ug/l	2.85	68,028.37	4.189E-01	Pulse	0.20	3
Cu	63	45	2	49.584	ug/l	2.00	182,196.98	1.122E+00	Pulse	0.20	3
Cu	65	45	2	49.375	ug/l	2.16	89,137.27	5.488E-01	Pulse	0.20	3
Zn	66	45	2	50.147	ug/l	3.00	32,185.28	1.982E-01	Pulse	0.20	3
As	75	45	2	52.169	ug/l	2.40	20,526.95	1.264E-01	Pulse	0.50	3
Se	78	45	2	50.433	ug/l	1.73	1,985.13	1.222E-02	Pulse	1.00	3
Se	78	45	3	50.961	ug/l	2.01	6,349.92	2.156E-02	Pulse	1.00	3
Sr	88	45	1	53.613	ug/l	7.91	1,677,850.24	5.973E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	50.579	ug/l	6.43	278,479.64	6.452E-02	Pulse	0.10	3
Ag	107	115	1	49.218	ug/l	7.32	627,752.39	1.249E-01	Pulse	0.10	3
Cd	111	115	1	50.314	ug/l	7.50	153,555.05	3.056E-02	Pulse	0.25	3
Cd	111	115	2	51.104	ug/l	0.58	63,291.18	5.207E-02	Pulse	0.25	3
Sn	117	115	1	50.179	ug/l	5.60	148,100.20	2.945E-02	Pulse	0.10	3
Sn	118	115	1	50.857	ug/l	8.62	485,390.60	9.665E-02	Pulse	0.10	3
Sn	118	115	2	51.261	ug/l	1.96	144,188.63	1.186E-01	Pulse	0.10	3
Sn	119	115	1	51.372	ug/l	8.89	177,769.47	3.540E-02	Pulse	0.10	3
Sb	121	159	1	61.475	ug/l	8.33	580,198.62	6.799E-02	Pulse	0.10	3
Ba	137	159	1	52.648	ug/l	6.96	254,477.33	2.980E-02	Pulse	0.10	3
Tl	205	209	1	55.199	ug/l	7.23	1,532,437.01	3.054E-01	Analog	0.10	3
Pb	208	209	1	51.261	ug/l	7.45	2,019,248.93	4.025E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,598,999.49	6.42	111.7	Analog	0.10	3
1	Sc	45	2,818,938.65	6.59	118.7	Analog	0.10	3
2	Sc	45	162,449.47	1.67	119.6	Pulse	0.10	3
3	Sc	45	294,624.31	2.24	124.1	Pulse	0.10	3
1	Ge	72	576,906.11	6.75	117.7	Pulse	0.10	3
2	Ge	72	98,802.27	0.18	122.4	Pulse	0.10	3
3	Ge	72	146,743.26	1.75	124.1	Pulse	0.10	3
1	Rh	103	4,327,848.58	6.19	121.1	Analog	0.10	3
2	Rh	103	2,665,415.07	0.64	120.6	Analog	0.10	3
1	In	115	5,040,690.91	6.43	123.8	Analog	0.10	3
2	In	115	1,215,628.66	0.34	116.7	Pulse	0.10	3
1	Tb	159	8,565,467.37	6.65	122.2	Analog	0.10	3
2	Tb	159	5,040,350.86	0.42	120.8	Analog	0.10	3
1	Ho	165	8,309,023.83	6.82	122.2	Analog	0.10	3
2	Ho	165	4,986,042.95	0.17	121.0	Analog	0.10	3
1	Bi	209	5,033,177.01	6.38	115.0	Analog	0.10	3
2	Bi	209	3,410,240.68	0.56	115.5	Analog	0.10	3

Quantitation Report

File Name	077SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 22:38
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.001	ug/l	194.08	10.67	6.243E-06	Pulse	0.25	3
B	11	6	1	1.063	ug/l	9.37	4,622.94	2.708E-03	Pulse	0.15	3
Na	23	45	1	-2.513	ug/l	-9.22	117,634.07	4.006E-02	Pulse	0.10	3
Na	23	45	2	0.696	ug/l	62.40	5,629.39	3.398E-02	Pulse	0.20	3
Mg	24	45	1	-0.175	ug/l	-11.25	1,653.50	5.632E-04	Pulse	0.10	3
Mg	24	45	2	-0.202	ug/l	-44.20	70.00	4.216E-04	Pulse	0.20	3
Al	27	45	1	-0.142	ug/l	-20.44	4,794.25	1.633E-03	Pulse	0.10	3
Al	27	45	2	-0.054	ug/l	-148.08	31.67	1.909E-04	Pulse	0.20	3
K	39	45	1	0.183	ug/l	165.87	711,666.24	2.424E-01	Pulse	0.10	3
K	39	45	2	2.242	ug/l	33.90	5,944.52	3.587E-02	Pulse	0.20	3
Ca	43	45	1	-0.179	ug/l	-275.33	55.55	1.892E-05	Pulse	1.50	3
Ca	43	45	2	-74.922	ug/l	-0.01	0.67	4.043E-06	Pulse	1.50	3
Ca	44	45	1	-2.327	ug/l	-4.57	1,166.76	3.974E-04	Pulse	0.10	3
Ca	44	45	2	0.073	ug/l	1097.29	23.33	1.412E-04	Pulse	0.20	3
Ti	47	45	1	-0.025	ug/l	-59.63	46.67	1.589E-05	Pulse	0.10	3
Ti	47	45	2	0.017	ug/l	173.21	1.67	9.974E-06	Pulse	0.20	3
V	51	45	2	0.024	ug/l	153.48	416.68	2.518E-03	Pulse	0.20	3
Cr	52	45	2	0.016	ug/l	235.81	1,273.41	7.689E-03	Pulse	0.20	3
Mn	55	45	2	0.012	ug/l	76.17	30.00	1.804E-04	Pulse	0.20	3
Fe	56	45	2	0.423	ug/l	14.97	3,407.08	2.057E-02	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	234.44	30.00	1.809E-04	Pulse	0.20	3
Ni	60	45	2	0.001	ug/l	2416.59	143.34	8.657E-04	Pulse	0.20	3
Cu	63	45	2	-0.009	ug/l	-63.51	101.67	6.138E-04	Pulse	0.20	3
Cu	65	45	2	0.013	ug/l	28.94	73.33	4.423E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.035	ug/l	142.30	70.00	4.216E-04	Pulse	0.20	3
As	75	45	2	-0.013	ug/l	-134.68	10.67	6.442E-05	Pulse	0.50	3
Se	78	45	2	0.005	ug/l	308.84	8.67	5.231E-05	Pulse	1.00	3
Se	78	45	3	0.043	ug/l	47.45	6.00	1.951E-05	Pulse	1.00	3
Sr	88	45	1	-0.002	ug/l	-148.74	376.69	1.283E-04	Pulse	0.10	3
Mo	95	103	1	0.064	ug/l	21.80	450.03	9.730E-05	Pulse	0.10	3
Ag	107	115	1	0.005	ug/l	42.76	160.01	3.010E-05	Pulse	0.10	3
Cd	111	115	1	-0.001	ug/l	-362.53	9.33	1.765E-06	Pulse	0.25	3
Cd	111	115	2	0.000	ug/l	-863.76	2.67	2.130E-06	Pulse	0.25	3
Sn	117	115	1	0.078	ug/l	44.38	330.02	6.214E-05	Pulse	0.10	3
Sn	118	115	1	0.086	ug/l	19.94	1,196.77	2.252E-04	Pulse	0.10	3
Sn	118	115	2	0.144	ug/l	23.73	490.03	3.878E-04	Pulse	0.10	3
Sn	119	115	1	0.115	ug/l	9.66	566.70	1.065E-04	Pulse	0.10	3
Sb	121	159	1	0.045	ug/l	7.14	616.70	6.860E-05	Pulse	0.10	3
Ba	137	159	1	0.018	ug/l	40.99	773.39	8.603E-05	Pulse	0.10	3
Tl	205	209	1	0.047	ug/l	16.88	2,123.59	3.956E-04	Pulse	0.10	3
Pb	208	209	1	0.000	ug/l	129.71	616.70	1.148E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,706,892.51	0.98	119.3	Analog	0.10	3
1	Sc	45	2,936,319.85	0.20	123.6	Analog	0.10	3
2	Sc	45	165,720.70	1.03	122.0	Pulse	0.10	3
3	Sc	45	307,504.52	0.44	129.5	Pulse	0.10	3
1	Ge	72	602,226.17	0.55	122.9	Pulse	0.10	3
2	Ge	72	101,478.81	0.55	125.8	Pulse	0.10	3
3	Ge	72	153,315.52	2.06	129.7	Pulse	0.10	3
1	Rh	103	4,617,699.83	1.30	129.2	Analog	0.10	3
2	Rh	103	2,770,993.71	0.42	125.4	Analog	0.10	3
1	In	115	5,318,875.46	0.92	130.6	Analog	0.10	3
2	In	115	1,263,169.68	0.76	121.2	Pulse	0.10	3
1	Tb	159	8,990,187.37	1.32	128.2	Analog	0.10	3
2	Tb	159	5,043,954.92	0.15	120.9	Analog	0.10	3
1	Ho	165	8,693,297.58	1.48	127.9	Analog	0.10	3
2	Ho	165	4,996,099.93	0.33	121.2	Analog	0.10	3
1	Bi	209	5,369,073.67	0.57	122.7	Analog	0.10	3
2	Bi	209	3,522,641.51	0.39	119.3	Analog	0.10	3

Quantitation Report

File Name	078SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 22:43
Sample Name	CRI 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.514	ug/l	3.68	1,692.11	9.931E-04	Pulse	0.25	3
B	11	6	1	5.275	ug/l	3.16	17,538.36	1.029E-02	Pulse	0.15	3
Na	23	45	1	238.886	ug/l	0.88	3,151,930.68	1.076E+00	Analog	0.10	3
Na	23	45	2	235.832	ug/l	1.69	123,219.07	7.411E-01	Pulse	0.20	3
Mg	24	45	1	246.012	ug/l	1.17	2,056,133.61	7.022E-01	Analog	0.10	3
Mg	24	45	2	240.226	ug/l	1.35	60,842.58	3.659E-01	Pulse	0.20	3
Al	27	45	1	24.196	ug/l	4.60	274,308.93	9.369E-02	Pulse	0.10	3
Al	27	45	2	24.282	ug/l	7.37	2,315.20	1.393E-02	Pulse	0.20	3
K	39	45	1	247.052	ug/l	0.69	4,267,183.37	1.457E+00	Analog	0.10	3
K	39	45	2	243.494	ug/l	0.89	64,731.61	3.893E-01	Pulse	0.20	3
Ca	43	45	1	244.865	ug/l	1.77	7,061.72	2.412E-03	Pulse	1.50	3
Ca	43	45	2	176.124	ug/l	11.88	202.23	1.217E-03	Pulse	1.50	3
Ca	44	45	1	243.966	ug/l	2.17	115,425.68	3.942E-02	Pulse	0.10	3
Ca	44	45	2	262.352	ug/l	6.52	3,540.45	2.129E-02	Pulse	0.20	3
Ti	47	45	1	0.775	ug/l	8.77	1,173.42	4.007E-04	Pulse	0.10	3
Ti	47	45	2	0.852	ug/l	7.98	81.67	4.914E-04	Pulse	0.20	3
V	51	45	2	1.000	ug/l	6.46	3,048.68	1.833E-02	Pulse	0.20	3
Cr	52	45	2	1.100	ug/l	2.04	5,080.88	3.055E-02	Pulse	0.20	3
Mn	55	45	2	0.492	ug/l	8.36	1,001.72	6.022E-03	Pulse	0.20	3
Fe	56	45	2	26.315	ug/l	1.92	75,925.54	4.567E-01	Pulse	0.20	3
Co	59	45	2	0.552	ug/l	4.04	2,950.33	1.774E-02	Pulse	0.20	3
Ni	60	45	2	1.027	ug/l	1.58	1,575.10	9.472E-03	Pulse	0.20	3
Cu	63	45	2	0.980	ug/l	1.19	3,818.86	2.297E-02	Pulse	0.20	3
Cu	65	45	2	1.005	ug/l	6.42	1,905.15	1.146E-02	Pulse	0.20	3
Zn	66	45	2	2.124	ug/l	6.61	1,440.09	8.664E-03	Pulse	0.20	3
As	75	45	2	0.522	ug/l	16.22	226.00	1.360E-03	Pulse	0.50	3
Se	78	45	2	0.645	ug/l	22.50	34.33	2.067E-04	Pulse	1.00	3
Se	78	45	3	0.531	ug/l	17.17	69.00	2.262E-04	Pulse	1.00	3
Sr	88	45	1	4.763	ug/l	1.26	155,767.58	5.320E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.941	ug/l	2.54	5,601.24	1.216E-03	Pulse	0.10	3
Ag	107	115	1	0.499	ug/l	2.44	6,825.05	1.283E-03	Pulse	0.10	3
Cd	111	115	1	0.489	ug/l	6.82	1,590.77	2.991E-04	Pulse	0.25	3
Cd	111	115	2	0.542	ug/l	9.30	697.36	5.551E-04	Pulse	0.25	3
Sn	117	115	1	4.325	ug/l	4.01	13,579.69	2.553E-03	Pulse	0.10	3
Sn	118	115	1	4.278	ug/l	2.50	43,544.53	8.187E-03	Pulse	0.10	3
Sn	118	115	2	4.517	ug/l	1.82	13,196.02	1.050E-02	Pulse	0.10	3
Sn	119	115	1	4.400	ug/l	5.40	16,262.38	3.057E-03	Pulse	0.10	3
Sb	121	159	1	0.649	ug/l	2.09	6,574.97	7.368E-04	Pulse	0.10	3
Ba	137	159	1	1.049	ug/l	2.90	5,961.38	6.680E-04	Pulse	0.10	3
Tl	205	209	1	0.460	ug/l	1.50	14,357.46	2.678E-03	Pulse	0.10	3
Pb	208	209	1	0.493	ug/l	0.83	21,336.96	3.980E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,704,345.73	1.01	119.1	Analog	0.10	3
1	Sc	45	2,928,048.50	0.25	123.3	Analog	0.10	3
2	Sc	45	166,277.52	1.12	122.4	Pulse	0.10	3
3	Sc	45	305,547.86	1.66	128.7	Pulse	0.10	3
1	Ge	72	606,530.69	0.43	123.7	Pulse	0.10	3
2	Ge	72	100,096.78	0.63	124.0	Pulse	0.10	3
3	Ge	72	151,985.27	1.75	128.6	Pulse	0.10	3
1	Rh	103	4,607,841.39	0.18	128.9	Analog	0.10	3
2	Rh	103	2,759,265.06	0.19	124.8	Analog	0.10	3
1	In	115	5,318,964.05	0.32	130.6	Analog	0.10	3
2	In	115	1,256,485.19	0.18	120.6	Pulse	0.10	3
1	Tb	159	8,924,546.53	0.27	127.3	Analog	0.10	3
2	Tb	159	5,034,684.51	0.28	120.7	Analog	0.10	3
1	Ho	165	8,595,219.87	0.71	126.4	Analog	0.10	3
2	Ho	165	5,015,690.13	0.36	121.7	Analog	0.10	3
1	Bi	209	5,361,535.34	0.37	122.6	Analog	0.10	3
2	Bi	209	3,539,620.15	0.49	119.9	Analog	0.10	3

Quantitation Report

File Name	079SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 22:48
Sample Name	mp68805-mb1conf
Sample Type	Sample
Comment	1
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.004	ug/l	174.11	12.00	7.472E-06	Pulse	0.25	3
B	11	6	1	1.259	ug/l	2.76	3,075.93	1.928E-03	Pulse	0.15	3
Na	23	45	1	-4.047	ug/l	-5.29	111,900.96	4.216E-02	Pulse	0.10	3
Na	23	45	2	1.573	ug/l	45.68	5,060.86	3.425E-02	Pulse	0.20	3
Mg	24	45	1	0.111	ug/l	30.02	3,240.42	1.221E-03	Pulse	0.10	3
Mg	24	45	2	-0.172	ug/l	-58.25	88.33	5.975E-04	Pulse	0.20	3
Al	27	45	1	1.315	ug/l	8.43	12,354.99	4.655E-03	Pulse	0.10	3
Al	27	45	2	1.452	ug/l	32.73	93.33	6.313E-04	Pulse	0.20	3
K	39	45	1	-0.361	ug/l	-134.83	638,474.87	2.406E-01	Pulse	0.10	3
K	39	45	2	1.282	ug/l	185.16	4,954.16	3.352E-02	Pulse	0.20	3
Ca	43	45	1	6.986	ug/l	10.57	145.33	5.477E-05	Pulse	1.50	3
Ca	43	45	2	-145.293	ug/l	-0.72	2.22	1.504E-05	Pulse	1.50	3
Ca	44	45	1	2.303	ug/l	31.48	2,516.98	9.486E-04	Pulse	0.10	3
Ca	44	45	2	5.867	ug/l	64.81	55.00	3.718E-04	Pulse	0.20	3
Ti	47	45	1	0.177	ug/l	60.58	186.68	7.019E-05	Pulse	0.10	3
Ti	47	45	2	0.196	ug/l	34.60	8.33	5.638E-05	Pulse	0.20	3
V	51	45	2	0.423	ug/l	6.40	821.70	5.561E-03	Pulse	0.20	3
Cr	52	45	2	0.097	ug/l	60.89	1,236.74	8.368E-03	Pulse	0.20	3
Mn	55	45	2	0.116	ug/l	14.92	110.00	7.447E-04	Pulse	0.20	3
Fe	56	45	2	12.388	ug/l	1.78	17,404.64	1.178E-01	Pulse	0.20	3
Co	59	45	2	0.003	ug/l	74.60	30.00	2.029E-04	Pulse	0.20	3
Ni	60	45	2	0.064	ug/l	86.87	166.67	1.128E-03	Pulse	0.20	3
Cu	63	45	2	0.178	ug/l	26.66	416.68	2.818E-03	Pulse	0.20	3
Cu	65	45	2	0.180	ug/l	24.37	191.67	1.296E-03	Pulse	0.20	3
Zn	66	45	2	1.182	ug/l	5.98	386.68	2.616E-03	Pulse	0.20	3
As	75	45	2	0.111	ug/l	18.17	34.00	2.301E-04	Pulse	0.50	3
Se	78	45	2	-0.031	ug/l	-536.42	7.00	4.734E-05	Pulse	1.00	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Se	78	45	3	0.083	ug/l	42.00	5.33	1.894E-05	Pulse	1.00	3
Sr	88	45	1	0.013	ug/l	71.68	596.70	2.249E-04	Pulse	0.10	3
Mo	95	103	1	0.075	ug/l	20.48	273.35	6.398E-05	Pulse	0.10	3
Ag	107	115	1	0.003	ug/l	175.77	110.01	2.198E-05	Pulse	0.10	3
Cd	111	115	1	0.005	ug/l	31.25	18.67	3.731E-06	Pulse	0.25	3
Cd	111	115	2	0.004	ug/l	196.30	5.33	4.575E-06	Pulse	0.25	3
Sn	117	115	1	0.374	ug/l	19.54	630.04	1.260E-04	Pulse	0.10	3
Sn	118	115	1	0.382	ug/l	7.03	2,126.90	4.253E-04	Pulse	0.10	3
Sn	118	115	2	0.418	ug/l	10.01	626.70	5.375E-04	Pulse	0.10	3
Sn	119	115	1	0.355	ug/l	11.22	746.71	1.493E-04	Pulse	0.10	3
Sb	121	159	1	0.151	ug/l	8.54	893.39	1.026E-04	Pulse	0.10	3
Ba	137	159	1	0.051	ug/l	148.89	786.72	9.041E-05	Pulse	0.10	3
Tl	205	209	1	0.061	ug/l	19.53	1,590.16	3.026E-04	Pulse	0.10	3
Pb	208	209	1	0.024	ug/l	20.73	1,073.40	2.043E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,595,398.67	1.16	111.5	Analog	0.10	3
1	Sc	45	2,653,979.54	1.07	111.7	Analog	0.10	3
2	Sc	45	147,778.75	0.50	108.8	Pulse	0.10	3
3	Sc	45	281,380.82	0.73	118.5	Pulse	0.10	3
1	Ge	72	559,586.30	1.11	114.2	Pulse	0.10	3
2	Ge	72	93,216.22	1.42	115.5	Pulse	0.10	3
3	Ge	72	139,835.78	1.39	118.3	Pulse	0.10	3
1	Rh	103	4,272,790.04	0.45	119.5	Analog	0.10	3
2	Rh	103	2,552,243.87	0.35	115.5	Analog	0.10	3
1	In	115	5,002,029.11	0.53	122.8	Analog	0.10	3
2	In	115	1,165,698.16	0.27	111.9	Pulse	0.10	3
1	Tb	159	8,704,452.58	0.28	124.2	Analog	0.10	3
2	Tb	159	4,891,730.66	0.24	117.3	Analog	0.10	3
1	Ho	165	8,472,804.46	0.74	124.6	Analog	0.10	3
2	Ho	165	4,884,227.53	0.15	118.5	Analog	0.10	3
1	Bi	209	5,253,792.63	0.33	120.1	Analog	0.10	3
2	Bi	209	3,428,292.56	0.30	116.1	Analog	0.10	3

Quantitation Report

File Name	080SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 22:53
Sample Name	mp68805-lc1conf
Sample Type	Sample
Comment	2
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	478.386	ug/l	0.26	661,513.89	4.600E-01	Pulse	0.25	3
B	11	6	1	6.786	ug/l	2.01	9,929.80	6.904E-03	Pulse	0.15	3
Na	23	45	1	9410.444	ug/l	1.38	49,170,542.60	2.025E+01	Analog	0.10	3
Na	23	45	2	9829.608	ug/l	0.81	1,942,134.87	1.481E+01	Analog	0.20	3
Mg	24	45	1	5331.709	ug/l	0.77	18,451,240.98	7.599E+00	Analog	0.10	3
Mg	24	45	2	5217.244	ug/l	1.41	520,088.98	3.967E+00	Pulse	0.20	3
Al	27	45	1	4833.631	ug/l	0.75	22,201,989.67	9.144E+00	Analog	0.10	3
Al	27	45	2	4643.344	ug/l	0.95	171,854.74	1.311E+00	Pulse	0.20	3
K	39	45	1	9824.834	ug/l	1.11	59,287,855.78	2.442E+01	Analog	0.10	3
K	39	45	2	9450.539	ug/l	0.84	912,008.68	6.955E+00	Pulse	0.20	3
Ca	43	45	1	5398.505	ug/l	1.21	64,047.82	2.638E-02	Pulse	1.50	3
Ca	43	45	2	4857.906	ug/l	2.43	1,586.30	1.210E-02	Pulse	1.50	3
Ca	44	45	1	5415.964	ug/l	0.69	1,043,697.20	4.298E-01	Pulse	0.10	3
Ca	44	45	2	5236.572	ug/l	2.98	27,689.93	2.112E-01	Pulse	0.20	3
Ti	47	45	1	432.934	ug/l	1.88	252,912.60	1.042E-01	Pulse	0.10	3
Ti	47	45	2	444.923	ug/l	1.82	16,817.10	1.283E-01	Pulse	0.20	3
V	51	45	2	527.926	ug/l	1.69	560,937.71	4.278E+00	Pulse	0.20	3
Cr	52	45	2	524.109	ug/l	2.11	725,939.03	5.537E+00	Pulse	0.20	3
Mn	55	45	2	511.687	ug/l	0.91	407,598.14	3.109E+00	Pulse	0.20	3
Fe	56	45	2	5715.413	ug/l	1.44	6,312,775.74	4.815E+01	Analog	0.20	3
Co	59	45	2	514.551	ug/l	1.66	1,073,438.40	8.187E+00	Pulse	0.20	3
Ni	60	45	2	510.588	ug/l	1.31	280,665.16	2.141E+00	Pulse	0.20	3
Cu	63	45	2	509.407	ug/l	1.23	755,117.36	5.759E+00	Pulse	0.20	3
Cu	65	45	2	513.023	ug/l	1.34	373,682.32	2.850E+00	Pulse	0.20	3
Zn	66	45	2	460.185	ug/l	1.79	119,078.73	9.082E-01	Pulse	0.20	3
As	75	45	2	482.081	ug/l	0.99	76,523.25	5.836E-01	Pulse	0.50	3
Se	78	45	2	413.546	ug/l	0.85	6,549.67	4.995E-02	Pulse	1.00	3
Se	78	45	3	429.799	ug/l	0.82	22,358.62	9.090E-02	Pulse	1.00	3
Sr	88	45	1	0.108	ug/l	15.06	1,836.86	7.571E-04	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	439.700	ug/l	0.70	1,084,601.57	2.804E-01	Pulse	0.10	3
Ag	107	115	1	190.459	ug/l	0.55	1,120,388.84	2.417E-01	Pulse	0.10	3
Cd	111	115	1	459.320	ug/l	0.62	646,583.83	1.395E-01	Pulse	0.25	3
Cd	111	115	2	498.882	ug/l	1.74	262,305.58	2.541E-01	Pulse	0.25	3
Sn	117	115	1	0.253	ug/l	18.86	420.02	9.067E-05	Pulse	0.10	3
Sn	118	115	1	0.290	ug/l	2.54	1,563.47	3.373E-04	Pulse	0.10	3
Sn	118	115	2	0.367	ug/l	16.84	493.36	4.785E-04	Pulse	0.10	3
Sn	119	115	1	0.331	ug/l	39.80	653.37	1.409E-04	Pulse	0.10	3
Sb	121	159	1	534.934	ug/l	1.60	2,481,996.32	2.957E-01	Analog	0.10	3
Ba	137	159	1	473.785	ug/l	0.40	1,123,262.33	1.338E-01	Pulse	0.10	3
Tl	205	209	1	503.485	ug/l	1.13	6,893,377.40	1.392E+00	Analog	0.10	3
Pb	208	209	1	504.556	ug/l	0.12	9,804,208.30	1.980E+00	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,438,212.49	0.85	100.5	Analog	0.10	3
1	Sc	45	2,428,248.82	1.45	102.2	Analog	0.10	3
2	Sc	45	131,127.87	1.46	96.5	Pulse	0.10	3
3	Sc	45	245,999.62	1.92	103.6	Pulse	0.10	3
1	Ge	72	516,249.76	1.79	105.3	Pulse	0.10	3
2	Ge	72	83,367.27	1.95	103.3	Pulse	0.10	3
3	Ge	72	125,668.62	0.90	106.3	Pulse	0.10	3
1	Rh	103	3,868,502.97	1.03	108.2	Analog	0.10	3
2	Rh	103	2,301,512.93	0.23	104.1	Analog	0.10	3
1	In	115	4,635,380.96	0.65	113.8	Analog	0.10	3
2	In	115	1,032,335.13	1.35	99.1	Pulse	0.10	3
1	Tb	159	8,393,294.67	0.82	119.7	Analog	0.10	3
2	Tb	159	4,626,523.99	0.87	110.9	Analog	0.10	3
1	Ho	165	8,227,758.83	0.55	121.0	Analog	0.10	3
2	Ho	165	4,629,943.06	0.31	112.3	Analog	0.10	3
1	Bi	209	4,950,948.68	0.45	113.2	Analog	0.10	3
2	Bi	209	3,169,596.31	0.62	107.4	Analog	0.10	3

Quantitation Report

File Name	081SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 22:59
Sample Name	mp68805-s1 2
Sample Type	Sample
Comment	3
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	105.887	ug/l	1.39	30,534.07	2.037E-02	Pulse	0.25	3
B	11	6	1	1623.577	ug/l	0.29	439,595.97	2.932E-01	Pulse	0.15	3
Na	23	45	1	399815.540	ug/l	0.68	481,797,392.82	1.717E+02	Analog	0.10	3
Na	23	45	2	419925.613	ug/l	0.79	20,467,838.03	1.263E+02	Analog	0.20	3
Mg	24	45	1	213381.701	ug/l	0.58	170,671,477.46	6.082E+01	Analog	0.10	3
Mg	24	45	2	220019.036	ug/l	0.68	5,420,280.12	3.345E+01	Analog	0.20	3
Al	27	45	1	537531.966	ug/l	0.13	570,556,444.83	2.033E+02	Analog	0.10	3
Al	27	45	2	552419.106	ug/l	0.70	5,052,602.74	3.118E+01	Analog	0.20	3
K	39	45	1	29715.847	ug/l	1.06	41,714,730.21	1.487E+01	Analog	0.10	3
K	39	45	2	29410.712	ug/l	0.36	703,495.07	4.341E+00	Pulse	0.20	3
Ca	43	45	1	218009.139	ug/l	0.90	597,412.28	2.129E-01	Pulse	1.50	3
Ca	43	45	2	213699.770	ug/l	0.91	16,787.05	1.036E-01	Pulse	1.50	3
Ca	44	45	1	222160.723	ug/l	1.05	9,879,891.73	3.521E+00	Analog	0.10	3
Ca	44	45	2	221932.827	ug/l	0.75	289,946.68	1.789E+00	Pulse	0.20	3
Ti	47	45	1	26.423	ug/l	7.99	3,647.21	1.299E-03	Pulse	0.10	3
Ti	47	45	2	26.412	ug/l	14.81	246.68	1.523E-03	Pulse	0.20	3
V	51	45	2	787.564	ug/l	0.69	207,085.34	1.278E+00	Pulse	0.20	3
Cr	52	45	2	369.502	ug/l	1.36	127,533.08	7.871E-01	Pulse	0.20	3
Mn	55	45	2	17580.780	ug/l	0.60	3,461,362.13	2.136E+01	Analog	0.20	3
Fe	56	45	2	287832.140	ug/l	0.34	78,563,973.83	4.848E+02	Analog	0.20	3
Co	59	45	2	1080.996	ug/l	0.46	557,439.52	3.440E+00	Pulse	0.20	3
Ni	60	45	2	1244.008	ug/l	1.45	169,083.80	1.043E+00	Pulse	0.20	3
Cu	63	45	2	245.364	ug/l	0.42	90,020.08	5.555E-01	Pulse	0.20	3
Cu	65	45	2	247.167	ug/l	2.19	44,544.15	2.749E-01	Pulse	0.20	3
Zn	66	45	2	2531.972	ug/l	0.29	161,948.57	9.994E-01	Pulse	0.20	3
As	75	45	2	2159.003	ug/l	0.92	84,707.84	5.228E-01	Pulse	0.50	3
Se	78	45	2	2024.084	ug/l	1.33	7,923.28	4.890E-02	Pulse	1.00	3
Se	78	45	3	1940.014	ug/l	0.85	24,824.85	8.206E-02	Pulse	1.00	3
Sr	88	45	1	1086.938	ug/l	0.86	3,397,637.55	1.211E+00	Analog	0.10	3
Mo	95	103	1	1.208	ug/l	19.62	683.38	1.699E-04	Pulse	0.10	3
Ag	107	115	1	48.852	ug/l	0.95	60,041.66	1.242E-02	Pulse	0.10	3
Cd	111	115	1	81.954	ug/l	2.08	24,081.16	4.980E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	88.007	ug/l	0.59	10,514.30	8.968E-03	Pulse	0.25	3
Sn	117	115	1	0.578	ug/l	33.67	243.34	5.027E-05	Pulse	0.10	3
Sn	118	115	1	0.623	ug/l	12.67	873.39	1.805E-04	Pulse	0.10	3
Sn	118	115	2	0.886	ug/l	38.93	303.35	2.592E-04	Pulse	0.10	3
Sn	119	115	1	1.067	ug/l	40.09	486.70	1.005E-04	Pulse	0.10	3
Sb	121	159	1	576.962	ug/l	0.39	546,718.02	6.381E-02	Pulse	0.10	3
Ba	137	159	1	1932.604	ug/l	0.25	935,544.78	1.092E-01	Pulse	0.10	3
Tl	205	209	1	2031.643	ug/l	1.08	5,498,031.79	1.124E+00	Analog	0.10	3
Pb	208	209	1	536.736	ug/l	0.26	2,061,648.22	4.214E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,499,526.19	1.68	104.8	Analog	0.10	3
1	Sc	45	2,806,142.56	1.78	118.1	Analog	0.10	3
2	Sc	45	162,042.12	0.46	119.3	Pulse	0.10	3
3	Sc	45	302,542.88	0.81	127.4	Pulse	0.10	3
1	Ge	72	550,195.68	0.50	112.2	Pulse	0.10	3
2	Ge	72	98,342.90	1.36	121.9	Pulse	0.10	3
3	Ge	72	143,625.39	0.98	121.5	Pulse	0.10	3
1	Rh	103	4,017,026.29	1.02	112.4	Analog	0.10	3
2	Rh	103	2,495,663.04	1.21	112.9	Analog	0.10	3
1	In	115	4,836,039.99	1.00	118.8	Analog	0.10	3
2	In	115	1,172,402.35	0.84	112.5	Pulse	0.10	3
1	Tb	159	8,567,906.33	1.03	122.2	Analog	0.10	3
2	Tb	159	4,951,650.55	0.41	118.7	Analog	0.10	3
1	Ho	165	8,366,796.34	1.07	123.1	Analog	0.10	3
2	Ho	165	4,934,448.67	0.55	119.7	Analog	0.10	3
1	Bi	209	4,892,477.84	1.37	111.8	Analog	0.10	3
2	Bi	209	3,256,768.81	0.67	110.3	Analog	0.10	3

Quantitation Report

File Name	082SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 23:04
Sample Name	mp68805-s2
Sample Type	Sample
Comment	4
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	111.561	ug/l	0.86	31,800.45	2.146E-02	Pulse	0.25	3
B	11	6	1	1736.415	ug/l	0.92	464,587.24	3.135E-01	Pulse	0.15	3
Na	23	45	1	391813.348	ug/l	1.56	498,266,645.91	1.683E+02	Analog	0.10	3
Na	23	45	2	419735.234	ug/l	1.10	21,476,048.01	1.263E+02	Analog	0.20	3
Mg	24	45	1	210088.081	ug/l	1.74	177,303,704.03	5.988E+01	Analog	0.10	3
Mg	24	45	2	218442.654	ug/l	0.72	5,649,119.71	3.321E+01	Analog	0.20	3
Al	27	45	1	533714.413	ug/l	1.36	597,778,697.76	2.019E+02	Analog	0.10	3
Al	27	45	2	540854.282	ug/l	0.28	5,193,008.99	3.053E+01	Analog	0.20	3
K	39	45	1	29627.422	ug/l	1.58	43,890,654.35	1.482E+01	Analog	0.10	3
K	39	45	2	29461.056	ug/l	0.03	739,760.72	4.349E+00	Pulse	0.20	3
Ca	43	45	1	219294.080	ug/l	0.98	634,138.37	2.142E-01	Pulse	1.50	3
Ca	43	45	2	216891.657	ug/l	0.62	17,884.62	1.051E-01	Pulse	1.50	3
Ca	44	45	1	225197.393	ug/l	0.84	10,568,077.76	3.569E+00	Analog	0.10	3
Ca	44	45	2	225024.690	ug/l	1.14	308,603.81	1.814E+00	Pulse	0.20	3
Ti	47	45	1	24.472	ug/l	5.25	3,567.21	1.205E-03	Pulse	0.10	3
Ti	47	45	2	23.947	ug/l	14.27	235.01	1.381E-03	Pulse	0.20	3
V	51	45	2	791.441	ug/l	0.82	218,454.86	1.284E+00	Pulse	0.20	3
Cr	52	45	2	378.665	ug/l	1.07	137,166.49	8.064E-01	Pulse	0.20	3
Mn	55	45	2	17747.163	ug/l	1.17	3,667,836.61	2.156E+01	Analog	0.20	3
Fe	56	45	2	290528.940	ug/l	0.56	83,244,465.43	4.894E+02	Analog	0.20	3
Co	59	45	2	1096.235	ug/l	1.05	593,404.43	3.489E+00	Pulse	0.20	3
Ni	60	45	2	1251.302	ug/l	1.33	178,532.30	1.050E+00	Pulse	0.20	3
Cu	63	45	2	246.726	ug/l	0.66	95,021.15	5.586E-01	Pulse	0.20	3
Cu	65	45	2	243.074	ug/l	1.10	45,984.54	2.703E-01	Pulse	0.20	3
Zn	66	45	2	2556.475	ug/l	1.69	171,639.14	1.009E+00	Pulse	0.20	3
As	75	45	2	2185.673	ug/l	1.06	90,019.51	5.292E-01	Pulse	0.50	3
Se	78	45	2	1995.944	ug/l	0.49	8,202.08	4.822E-02	Pulse	1.00	3
Se	78	45	3	1952.951	ug/l	1.14	26,585.58	8.260E-02	Pulse	1.00	3
Sr	88	45	1	1131.502	ug/l	1.46	3,732,083.38	1.260E+00	Analog	0.10	3
Mo	95	103	1	0.445	ug/l	9.32	313.35	7.261E-05	Pulse	0.10	3
Ag	107	115	1	49.136	ug/l	1.59	65,968.27	1.249E-02	Pulse	0.10	3
Cd	111	115	1	82.797	ug/l	0.92	26,577.20	5.031E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	88.666	ug/l	1.82	11,108.00	9.036E-03	Pulse	0.25	3
Sn	117	115	1	0.613	ug/l	23.06	276.68	5.233E-05	Pulse	0.10	3
Sn	118	115	1	0.602	ug/l	31.53	933.40	1.765E-04	Pulse	0.10	3
Sn	118	115	2	0.562	ug/l	46.37	226.68	1.842E-04	Pulse	0.10	3
Sn	119	115	1	0.909	ug/l	3.06	473.36	8.960E-05	Pulse	0.10	3
Sb	121	159	1	586.678	ug/l	1.09	603,923.89	6.488E-02	Pulse	0.10	3
Ba	137	159	1	1968.986	ug/l	0.41	1,035,516.65	1.112E-01	Pulse	0.10	3
Tl	205	209	1	2061.782	ug/l	1.38	6,002,248.45	1.140E+00	Analog	0.10	3
Pb	208	209	1	542.286	ug/l	1.14	2,240,757.62	4.258E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,482,021.19	0.88	103.5	Analog	0.10	3
1	Sc	45	2,961,139.02	1.04	124.7	Analog	0.10	3
2	Sc	45	170,105.56	0.76	125.2	Pulse	0.10	3
3	Sc	45	321,854.29	0.82	135.6	Pulse	0.10	3
1	Ge	72	590,268.74	0.76	120.4	Pulse	0.10	3
2	Ge	72	104,957.65	1.23	130.1	Pulse	0.10	3
3	Ge	72	149,943.98	0.42	126.8	Pulse	0.10	3
1	Rh	103	4,314,277.12	1.09	120.7	Analog	0.10	3
2	Rh	103	2,646,270.48	0.57	119.7	Analog	0.10	3
1	In	115	5,282,848.94	0.80	129.7	Analog	0.10	3
2	In	115	1,229,276.68	0.57	118.0	Pulse	0.10	3
1	Tb	159	9,308,442.15	1.09	132.8	Analog	0.10	3
2	Tb	159	5,201,544.09	0.40	124.7	Analog	0.10	3
1	Ho	165	9,052,072.78	0.83	133.1	Analog	0.10	3
2	Ho	165	5,180,751.38	0.18	125.7	Analog	0.10	3
1	Bi	209	5,263,372.84	1.04	120.3	Analog	0.10	3
2	Bi	209	3,419,171.82	0.71	115.8	Analog	0.10	3

Quantitation Report

File Name	083SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 23:09
Sample Name	RINSECONF
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.003	ug/l	38.09	16.00	9.785E-06	Pulse	0.25	3
B	11	6	1	3.527	ug/l	3.40	11,655.36	7.145E-03	Pulse	0.15	3
Na	23	45	1	1.378	ug/l	14.22	166,491.49	5.677E-02	Pulse	0.10	3
Na	23	45	2	4.934	ug/l	8.06	7,875.33	4.672E-02	Pulse	0.20	3
Mg	24	45	1	0.364	ug/l	2.84	6,158.01	2.100E-03	Pulse	0.10	3
Mg	24	45	2	0.193	ug/l	90.07	171.67	1.022E-03	Pulse	0.20	3
Al	27	45	1	1.139	ug/l	10.25	18,994.67	6.477E-03	Pulse	0.10	3
Al	27	45	2	1.236	ug/l	22.43	155.00	9.193E-04	Pulse	0.20	3
K	39	45	1	-5.241	ug/l	-6.09	632,500.15	2.157E-01	Pulse	0.10	3
K	39	45	2	0.209	ug/l	404.42	5,542.69	3.289E-02	Pulse	0.20	3
Ca	43	45	1	0.731	ug/l	21.90	81.56	2.781E-05	Pulse	1.50	3
Ca	43	45	2	-75.210	ug/l	-1.26	0.44	2.653E-06	Pulse	1.50	3
Ca	44	45	1	-1.463	ug/l	-29.01	1,566.81	5.343E-04	Pulse	0.10	3
Ca	44	45	2	0.258	ug/l	677.45	26.67	1.561E-04	Pulse	0.20	3
Ti	47	45	1	-0.025	ug/l	-73.03	46.67	1.592E-05	Pulse	0.10	3
Ti	47	45	2	0.017	ug/l	173.21	1.67	9.641E-06	Pulse	0.20	3
V	51	45	2	0.063	ug/l	18.21	531.69	3.151E-03	Pulse	0.20	3
Cr	52	45	2	0.156	ug/l	6.30	1,795.13	1.065E-02	Pulse	0.20	3
Mn	55	45	2	0.073	ug/l	43.33	156.67	9.310E-04	Pulse	0.20	3
Fe	56	45	2	1.807	ug/l	6.11	7,396.81	4.387E-02	Pulse	0.20	3
Co	59	45	2	0.002	ug/l	61.94	38.33	2.270E-04	Pulse	0.20	3
Ni	60	45	2	0.031	ug/l	101.47	190.01	1.123E-03	Pulse	0.20	3
Cu	63	45	2	-0.007	ug/l	-97.80	108.33	6.422E-04	Pulse	0.20	3
Cu	65	45	2	-0.006	ug/l	-169.88	38.33	2.278E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.050	ug/l	46.88	81.67	4.831E-04	Pulse	0.20	3
As	75	45	2	0.060	ug/l	29.09	40.67	2.417E-04	Pulse	0.50	3
Se	78	45	2	0.125	ug/l	65.17	13.67	8.131E-05	Pulse	1.00	3
Se	78	45	3	0.056	ug/l	34.14	8.00	2.490E-05	Pulse	1.00	3
Sr	88	45	1	0.005	ug/l	36.30	616.70	2.102E-04	Pulse	0.10	3
Mo	95	103	1	0.010	ug/l	64.06	136.67	2.830E-05	Pulse	0.10	3
Ag	107	115	1	-0.001	ug/l	-130.65	83.33	1.471E-05	Pulse	0.10	3
Cd	111	115	1	0.002	ug/l	55.88	20.00	3.529E-06	Pulse	0.25	3
Cd	111	115	2	0.004	ug/l	147.45	8.00	6.196E-06	Pulse	0.25	3
Sn	117	115	1	0.009	ug/l	99.33	123.34	2.177E-05	Pulse	0.10	3
Sn	118	115	1	0.003	ug/l	303.86	386.69	6.829E-05	Pulse	0.10	3
Sn	118	115	2	0.029	ug/l	17.45	156.68	1.209E-04	Pulse	0.10	3
Sn	119	115	1	0.059	ug/l	40.60	383.35	6.770E-05	Pulse	0.10	3
Sb	121	159	1	0.095	ug/l	8.84	1,193.43	1.244E-04	Pulse	0.10	3
Ba	137	159	1	0.029	ug/l	14.03	886.73	9.239E-05	Pulse	0.10	3
Tl	205	209	1	0.745	ug/l	0.74	24,334.02	4.255E-03	Pulse	0.10	3
Pb	208	209	1	0.004	ug/l	42.67	823.39	1.440E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,631,442.84	1.48	114.0	Analog	0.10	3
1	Sc	45	2,932,723.71	0.36	123.5	Analog	0.10	3
2	Sc	45	168,600.44	2.23	124.1	Pulse	0.10	3
3	Sc	45	320,637.80	1.05	135.0	Pulse	0.10	3
1	Ge	72	624,529.68	1.01	127.4	Pulse	0.10	3
2	Ge	72	106,235.43	2.25	131.7	Pulse	0.10	3
3	Ge	72	159,581.92	0.62	135.0	Pulse	0.10	3
1	Rh	103	4,833,325.35	0.62	135.2	Analog	0.10	3
2	Rh	103	2,909,876.62	0.94	131.7	Analog	0.10	3
1	In	115	5,663,662.63	0.45	139.1	Analog	0.10	3
2	In	115	1,295,903.96	0.80	124.4	Pulse	0.10	3
1	Tb	159	9,598,052.15	0.23	136.9	Analog	0.10	3
2	Tb	159	5,289,633.05	0.37	126.8	Analog	0.10	3
1	Ho	165	9,337,285.49	0.56	137.3	Analog	0.10	3
2	Ho	165	5,261,456.48	0.73	127.6	Analog	0.10	3
1	Bi	209	5,719,172.00	0.65	130.7	Analog	0.10	3
2	Bi	209	3,698,906.82	0.55	125.3	Analog	0.10	3

Quantitation Report

File Name	084SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 23:14
Sample Name	jb24613-6
Sample Type	Sample
Comment	5
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	59.798	ug/l	1.65	61,841.89	5.750E-02	Pulse	0.25	3
B	11	6	1	1887.719	ug/l	1.65	1,828,913.12	1.700E+00	Analog	0.15	3
Na	23	45	1	299851.078	ug/l	1.08	1,743,197,094.02	6.437E+02	Analog	0.10	3
Na	23	45	2	354874.600	ug/l	0.38	82,871,247.10	5.336E+02	Analog	0.20	3
Mg	24	45	1	155766.736	ug/l	0.92	601,121,697.71	2.220E+02	Analog	0.10	3
Mg	24	45	2	170943.147	ug/l	0.84	20,178,460.95	1.299E+02	Analog	0.20	3
Al	27	45	1	447776.603	ug/l	1.42	2,293,264,819.16	8.469E+02	Analog	0.10	3
Al	27	45	2	470517.538	ug/l	0.70	20,622,358.86	1.328E+02	Analog	0.20	3
K	39	45	1	5024.479	ug/l	0.73	34,136,086.16	1.261E+01	Analog	0.10	3
K	39	45	2	5176.454	ug/l	1.36	593,839.17	3.825E+00	Pulse	0.20	3
Ca	43	45	1	172582.653	ug/l	1.52	2,281,896.67	8.427E-01	Analog	1.50	3
Ca	43	45	2	168918.186	ug/l	1.43	63,407.42	4.084E-01	Pulse	1.50	3
Ca	44	45	1	173803.971	ug/l	1.47	37,288,636.94	1.377E+01	Analog	0.10	3
Ca	44	45	2	175018.342	ug/l	2.01	1,095,351.18	7.055E+00	Pulse	0.20	3
Ti	47	45	1	21.679	ug/l	2.58	14,199.95	5.243E-03	Pulse	0.10	3
Ti	47	45	2	19.995	ug/l	2.86	895.04	5.765E-03	Pulse	0.20	3
V	51	45	2	256.078	ug/l	1.58	322,391.34	2.076E+00	Pulse	0.20	3
Cr	52	45	2	154.750	ug/l	1.10	254,677.04	1.640E+00	Pulse	0.20	3
Mn	55	45	2	14841.990	ug/l	1.53	14,000,215.21	9.017E+01	Analog	0.20	3
Fe	56	45	2	245682.170	ug/l	1.60	321,271,708.54	2.069E+03	Analog	0.20	3
Co	59	45	2	515.943	ug/l	1.57	1,274,640.81	8.209E+00	Pulse	0.20	3
Ni	60	45	2	645.209	ug/l	1.86	419,952.69	2.705E+00	Pulse	0.20	3
Cu	63	45	2	7.995	ug/l	2.16	14,156.33	9.118E-02	Pulse	0.20	3
Cu	65	45	2	8.328	ug/l	6.70	7,223.39	4.656E-02	Pulse	0.20	3
Zn	66	45	2	1562.064	ug/l	1.57	478,588.25	3.082E+00	Pulse	0.20	3
As	75	45	2	59.808	ug/l	0.65	11,257.27	7.249E-02	Pulse	0.50	3
Se	78	45	2	52.481	ug/l	5.32	991.70	6.384E-03	Pulse	1.00	3
Se	78	45	3	7.283	ug/l	3.21	438.01	1.542E-03	Pulse	1.00	3
Sr	88	45	1	1048.955	ug/l	1.58	15,818,385.18	5.842E+00	Analog	0.10	3
Mo	95	103	1	0.318	ug/l	21.30	803.39	2.189E-04	Pulse	0.10	3
Ag	107	115	1	0.082	ug/l	5.07	566.70	1.219E-04	Pulse	0.10	3
Cd	111	115	1	32.553	ug/l	1.66	45,984.02	9.888E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	33.859	ug/l	0.57	18,078.49	1.725E-02	Pulse	0.25	3
Sn	117	115	1	0.611	ug/l	6.65	910.06	1.957E-04	Pulse	0.10	3
Sn	118	115	1	0.588	ug/l	0.66	2,887.05	6.208E-04	Pulse	0.10	3
Sn	118	115	2	0.665	ug/l	6.73	863.39	8.238E-04	Pulse	0.10	3
Sn	119	115	1	0.829	ug/l	8.10	1,453.47	3.126E-04	Pulse	0.10	3
Sb	121	159	1	1.968	ug/l	2.70	10,003.52	1.107E-03	Pulse	0.10	3
Ba	137	159	1	16.116	ug/l	0.96	41,803.71	4.625E-03	Pulse	0.10	3
Tl	205	209	1	0.763	ug/l	11.59	10,414.03	2.244E-03	Pulse	0.10	3
Pb	208	209	1	39.334	ug/l	0.90	716,517.99	1.545E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,075,747.45	1.78	75.2	Analog	0.10	3
1	Sc	45	2,708,089.85	0.90	114.0	Analog	0.10	3
2	Sc	45	155,305.29	2.42	114.4	Pulse	0.10	3
3	Sc	45	284,099.63	0.63	119.7	Pulse	0.10	3
1	Ge	72	526,396.03	1.17	107.4	Pulse	0.10	3
2	Ge	72	95,174.55	0.89	117.9	Pulse	0.10	3
3	Ge	72	124,771.46	0.59	105.5	Pulse	0.10	3
1	Rh	103	3,671,961.40	1.11	102.7	Analog	0.10	3
2	Rh	103	2,153,957.84	1.29	97.5	Analog	0.10	3
1	In	115	4,650,256.91	0.49	114.2	Analog	0.10	3
2	In	115	1,048,021.00	0.93	100.6	Pulse	0.10	3
1	Tb	159	9,037,554.24	0.63	128.9	Analog	0.10	3
2	Tb	159	4,800,406.49	0.77	115.1	Analog	0.10	3
1	Ho	165	8,813,992.79	0.69	129.6	Analog	0.10	3
2	Ho	165	4,826,299.30	0.75	117.1	Analog	0.10	3
1	Bi	209	4,638,461.60	0.91	106.0	Analog	0.10	3
2	Bi	209	2,867,651.52	0.31	97.1	Analog	0.10	3

Quantitation Report

File Name	085SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 23:20
Sample Name	mp68805-sd1
Sample Type	Sample
Comment	6
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	53.300	ug/l	0.45	13,437.42	1.025E-02	Pulse	0.25	3
B	11	6	1	1569.817	ug/l	0.25	371,522.20	2.835E-01	Pulse	0.15	3
Na	23	45	1	307490.841	ug/l	1.88	356,806,034.69	1.321E+02	Analog	0.10	3
Na	23	45	2	344837.728	ug/l	0.52	16,745,241.42	1.037E+02	Analog	0.20	3
Mg	24	45	1	162267.441	ug/l	0.88	124,935,324.80	4.625E+01	Analog	0.10	3
Mg	24	45	2	168742.191	ug/l	0.76	4,141,306.92	2.565E+01	Analog	0.20	3
Al	27	45	1	474429.937	ug/l	1.79	484,730,739.44	1.795E+02	Analog	0.10	3
Al	27	45	2	463149.909	ug/l	0.75	4,220,115.25	2.614E+01	Analog	0.20	3
K	39	45	1	5230.051	ug/l	1.20	7,605,349.26	2.815E+00	Analog	0.10	3
K	39	45	2	5079.616	ug/l	1.35	125,392.05	7.768E-01	Pulse	0.20	3
Ca	43	45	1	174327.447	ug/l	1.44	459,884.00	1.703E-01	Pulse	1.50	3
Ca	43	45	2	167180.735	ug/l	0.78	13,096.00	8.113E-02	Pulse	1.50	3
Ca	44	45	1	178156.167	ug/l	0.70	7,627,695.30	2.824E+00	Analog	0.10	3
Ca	44	45	2	173958.318	ug/l	1.08	226,411.92	1.403E+00	Pulse	0.20	3
Ti	47	45	1	22.744	ug/l	12.50	3,033.74	1.122E-03	Pulse	0.10	3
Ti	47	45	2	15.581	ug/l	12.70	145.00	8.984E-04	Pulse	0.20	3
V	51	45	2	259.192	ug/l	0.69	68,126.27	4.220E-01	Pulse	0.20	3
Cr	52	45	2	159.048	ug/l	1.01	55,364.18	3.430E-01	Pulse	0.20	3
Mn	55	45	2	15045.884	ug/l	0.51	2,951,069.44	1.828E+01	Analog	0.20	3
Fe	56	45	2	253123.829	ug/l	0.46	68,828,280.64	4.264E+02	Analog	0.20	3
Co	59	45	2	544.943	ug/l	0.63	279,959.13	1.734E+00	Pulse	0.20	3
Ni	60	45	2	702.280	ug/l	1.02	95,153.24	5.895E-01	Pulse	0.20	3
Cu	63	45	2	9.457	ug/l	3.42	3,582.12	2.219E-02	Pulse	0.20	3
Cu	65	45	2	9.523	ug/l	8.19	1,755.13	1.087E-02	Pulse	0.20	3
Zn	66	45	2	1895.043	ug/l	0.44	120,760.80	7.481E-01	Pulse	0.20	3
As	75	45	2	62.085	ug/l	5.38	2,441.54	1.513E-02	Pulse	0.50	3
Se	78	45	2	52.308	ug/l	8.35	212.00	1.313E-03	Pulse	1.00	3
Se	78	45	3	8.987	ug/l	21.74	118.67	3.815E-04	Pulse	1.00	3
Sr	88	45	1	1067.185	ug/l	0.97	3,211,126.31	1.189E+00	Analog	0.10	3
Mo	95	103	1	0.188	ug/l	43.47	170.01	3.983E-05	Pulse	0.10	3
Ag	107	115	1	0.089	ug/l	33.97	213.35	4.057E-05	Pulse	0.10	3
Cd	111	115	1	32.569	ug/l	1.67	10,411.56	1.980E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	34.024	ug/l	4.99	4,160.60	3.469E-03	Pulse	0.25	3
Sn	117	115	1	0.704	ug/l	17.89	303.35	5.768E-05	Pulse	0.10	3
Sn	118	115	1	0.581	ug/l	25.26	906.73	1.725E-04	Pulse	0.10	3
Sn	118	115	2	0.775	ug/l	28.55	280.02	2.336E-04	Pulse	0.10	3
Sn	119	115	1	0.907	ug/l	13.93	470.03	8.943E-05	Pulse	0.10	3
Sb	121	159	1	3.003	ug/l	2.28	3,290.48	3.513E-04	Pulse	0.10	3
Ba	137	159	1	16.122	ug/l	5.89	9,239.78	9.862E-04	Pulse	0.10	3
Tl	205	209	1	1.670	ug/l	3.85	5,758.02	1.058E-03	Pulse	0.10	3
Pb	208	209	1	34.486	ug/l	1.75	147,831.06	2.718E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,310,589.89	1.55	91.6	Analog	0.10	3
1	Sc	45	2,701,484.02	1.21	113.7	Analog	0.10	3
2	Sc	45	161,426.85	0.25	118.9	Pulse	0.10	3
3	Sc	45	311,580.78	1.70	131.2	Pulse	0.10	3
1	Ge	72	567,058.53	1.16	115.7	Pulse	0.10	3
2	Ge	72	101,586.52	1.72	125.9	Pulse	0.10	3
3	Ge	72	149,627.95	0.59	126.6	Pulse	0.10	3
1	Rh	103	4,262,451.40	0.77	119.2	Analog	0.10	3
2	Rh	103	2,610,319.96	0.22	118.1	Analog	0.10	3
1	In	115	5,257,080.04	0.60	129.1	Analog	0.10	3
2	In	115	1,199,249.63	0.47	115.1	Pulse	0.10	3
1	Tb	159	9,368,657.78	0.56	133.6	Analog	0.10	3
2	Tb	159	5,165,789.51	0.04	123.8	Analog	0.10	3
1	Ho	165	9,166,368.82	0.50	134.8	Analog	0.10	3
2	Ho	165	5,172,301.70	0.14	125.5	Analog	0.10	3
1	Bi	209	5,439,246.79	1.02	124.3	Analog	0.10	3
2	Bi	209	3,494,892.14	0.30	118.4	Analog	0.10	3

Quantitation Report

File Name	086SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 23:25
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	50.291	ug/l	2.03	144,470.26	9.671E-02	Pulse	0.25	3
B	11	6	1	58.720	ug/l	0.85	159,154.31	1.065E-01	Pulse	0.15	3
Na	23	45	1	4548.687	ug/l	0.71	52,124,569.22	1.958E+01	Analog	0.10	3
Na	23	45	2	4963.139	ug/l	1.94	2,231,546.32	1.496E+01	Analog	0.20	3
Mg	24	45	1	4639.480	ug/l	1.02	35,204,601.14	1.322E+01	Analog	0.10	3
Mg	24	45	2	4661.992	ug/l	1.85	1,057,560.74	7.088E+00	Pulse	0.20	3
Al	27	45	1	4675.611	ug/l	1.05	47,087,032.63	1.769E+01	Analog	0.10	3
Al	27	45	2	4548.594	ug/l	1.92	383,082.06	2.568E+00	Pulse	0.20	3
K	39	45	1	4810.793	ug/l	0.93	63,673,427.39	2.392E+01	Analog	0.10	3
K	39	45	2	4814.888	ug/l	1.07	1,057,453.76	7.087E+00	Pulse	0.20	3
Ca	43	45	1	4834.045	ug/l	0.62	125,721.23	4.723E-02	Pulse	1.50	3
Ca	43	45	2	4775.426	ug/l	3.91	3,495.48	2.344E-02	Pulse	1.50	3
Ca	44	45	1	4956.603	ug/l	0.26	2,092,808.46	7.861E-01	Analog	0.10	3
Ca	44	45	2	4996.249	ug/l	1.37	60,120.12	4.029E-01	Pulse	0.20	3
Ti	47	45	1	47.487	ug/l	0.52	60,896.30	2.287E-02	Pulse	0.10	3
Ti	47	45	2	51.593	ug/l	3.63	4,437.35	2.975E-02	Pulse	0.20	3
V	51	45	2	53.832	ug/l	0.98	130,446.20	8.742E-01	Pulse	0.20	3
Cr	52	45	2	53.030	ug/l	2.28	168,043.75	1.126E+00	Pulse	0.20	3
Mn	55	45	2	51.696	ug/l	2.56	93,710.63	6.282E-01	Pulse	0.20	3
Fe	56	45	2	5104.155	ug/l	2.10	12,828,697.31	8.599E+01	Analog	0.20	3
Co	59	45	2	52.649	ug/l	1.08	250,015.44	1.676E+00	Pulse	0.20	3
Ni	60	45	2	51.457	ug/l	0.21	64,487.60	4.321E-01	Pulse	0.20	3
Cu	63	45	2	51.634	ug/l	1.57	174,289.48	1.168E+00	Pulse	0.20	3
Cu	65	45	2	51.421	ug/l	1.18	85,280.43	5.715E-01	Pulse	0.20	3
Zn	66	45	2	53.637	ug/l	0.55	31,627.36	2.119E-01	Pulse	0.20	3
As	75	45	2	54.784	ug/l	1.91	19,801.40	1.327E-01	Pulse	0.50	3
Se	78	45	2	50.398	ug/l	0.60	1,822.77	1.221E-02	Pulse	1.00	3
Se	78	45	3	53.389	ug/l	0.50	6,456.96	2.258E-02	Pulse	1.00	3
Sr	88	45	1	56.236	ug/l	0.55	1,667,805.03	6.265E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	47.981	ug/l	2.70	270,371.47	6.120E-02	Pulse	0.10	3
Ag	107	115	1	46.430	ug/l	0.10	627,994.17	1.179E-01	Pulse	0.10	3
Cd	111	115	1	47.886	ug/l	0.35	154,991.55	2.909E-02	Pulse	0.25	3
Cd	111	115	2	51.571	ug/l	0.83	62,149.50	5.254E-02	Pulse	0.25	3
Sn	117	115	1	49.017	ug/l	0.67	153,296.98	2.877E-02	Pulse	0.10	3
Sn	118	115	1	49.191	ug/l	0.66	498,159.76	9.349E-02	Pulse	0.10	3
Sn	118	115	2	52.700	ug/l	0.84	144,239.48	1.219E-01	Pulse	0.10	3
Sn	119	115	1	49.100	ug/l	1.35	180,299.04	3.384E-02	Pulse	0.10	3
Sb	121	159	1	58.177	ug/l	0.98	598,406.50	6.434E-02	Pulse	0.10	3
Ba	137	159	1	49.702	ug/l	0.67	261,702.07	2.814E-02	Pulse	0.10	3
Tl	205	209	1	54.075	ug/l	0.97	1,638,293.42	2.992E-01	Analog	0.10	3
Pb	208	209	1	49.525	ug/l	1.02	2,129,119.34	3.888E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,494,047.15	1.10	104.4	Analog	0.10	3
1	Sc	45	2,662,167.67	0.30	112.1	Analog	0.10	3
2	Sc	45	149,234.62	2.10	109.9	Pulse	0.10	3
3	Sc	45	285,923.09	1.46	120.4	Pulse	0.10	3
1	Ge	72	569,988.40	0.76	116.3	Pulse	0.10	3
2	Ge	72	95,973.07	2.46	118.9	Pulse	0.10	3
3	Ge	72	144,112.51	0.76	121.9	Pulse	0.10	3
1	Rh	103	4,417,949.10	0.54	123.6	Analog	0.10	3
2	Rh	103	2,613,976.16	1.61	118.3	Analog	0.10	3
1	In	115	5,328,700.27	0.60	130.9	Analog	0.10	3
2	In	115	1,182,986.07	1.99	113.5	Pulse	0.10	3
1	Tb	159	9,300,595.28	0.07	132.7	Analog	0.10	3
2	Tb	159	5,053,550.34	1.96	121.1	Analog	0.10	3
1	Ho	165	9,043,041.53	0.39	133.0	Analog	0.10	3
2	Ho	165	5,039,843.99	1.57	122.3	Analog	0.10	3
1	Bi	209	5,475,730.75	0.52	125.2	Analog	0.10	3
2	Bi	209	3,476,991.51	1.56	117.8	Analog	0.10	3

Quantitation Report

File Name	087SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 23:30
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.005	ug/l	77.21	18.67	1.244E-05	Pulse	0.25	3
B	11	6	1	5.681	ug/l	1.44	16,566.13	1.102E-02	Pulse	0.15	3
Na	23	45	1	1.683	ug/l	6.26	154,320.68	5.808E-02	Pulse	0.10	3
Na	23	45	2	5.080	ug/l	19.87	7,243.38	4.716E-02	Pulse	0.20	3
Mg	24	45	1	0.728	ug/l	8.59	8,335.71	3.136E-03	Pulse	0.10	3
Mg	24	45	2	0.597	ug/l	50.79	251.67	1.636E-03	Pulse	0.20	3
Al	27	45	1	2.056	ug/l	5.47	26,428.27	9.945E-03	Pulse	0.10	3
Al	27	45	2	2.395	ug/l	14.81	241.68	1.573E-03	Pulse	0.20	3
K	39	45	1	-0.454	ug/l	-117.88	635,604.83	2.392E-01	Pulse	0.10	3
K	39	45	2	1.494	ug/l	88.08	5,344.29	3.477E-02	Pulse	0.20	3
Ca	43	45	1	1.498	ug/l	20.53	93.78	3.529E-05	Pulse	1.50	3
Ca	43	45	2	-73.061	ug/l	-1.25	2.00	1.304E-05	Pulse	1.50	3
Ca	44	45	1	-1.158	ug/l	-33.15	1,546.81	5.826E-04	Pulse	0.10	3
Ca	44	45	2	0.064	ug/l	2010.46	21.67	1.404E-04	Pulse	0.20	3
Ti	47	45	1	-0.021	ug/l	-76.84	46.67	1.755E-05	Pulse	0.10	3
Ti	47	45	2	0.000	ug/l	---	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	0.076	ug/l	36.91	516.69	3.364E-03	Pulse	0.20	3
Cr	52	45	2	0.085	ug/l	52.22	1,403.42	9.140E-03	Pulse	0.20	3
Mn	55	45	2	0.083	ug/l	9.49	161.67	1.052E-03	Pulse	0.20	3
Fe	56	45	2	1.712	ug/l	3.22	6,496.40	4.228E-02	Pulse	0.20	3
Co	59	45	2	0.005	ug/l	109.26	46.67	3.029E-04	Pulse	0.20	3
Ni	60	45	2	0.040	ug/l	26.92	183.34	1.194E-03	Pulse	0.20	3
Cu	63	45	2	-0.008	ug/l	-42.69	96.67	6.293E-04	Pulse	0.20	3
Cu	65	45	2	0.009	ug/l	180.27	60.00	3.900E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.024	ug/l	19.20	58.33	3.797E-04	Pulse	0.20	3
As	75	45	2	0.009	ug/l	182.95	18.00	1.171E-04	Pulse	0.50	3
Se	78	45	2	0.120	ug/l	98.73	12.33	8.011E-05	Pulse	1.00	3
Se	78	45	3	0.034	ug/l	83.23	4.67	1.574E-05	Pulse	1.00	3
Sr	88	45	1	0.007	ug/l	21.49	620.04	2.334E-04	Pulse	0.10	3
Mo	95	103	1	0.049	ug/l	4.05	350.02	7.794E-05	Pulse	0.10	3
Ag	107	115	1	0.002	ug/l	135.38	126.67	2.373E-05	Pulse	0.10	3
Cd	111	115	1	0.000	ug/l	-143.06	10.67	1.995E-06	Pulse	0.25	3
Cd	111	115	2	0.009	ug/l	39.07	14.67	1.190E-05	Pulse	0.25	3
Sn	117	115	1	0.074	ug/l	21.52	320.01	5.985E-05	Pulse	0.10	3
Sn	118	115	1	0.085	ug/l	19.37	1,193.42	2.232E-04	Pulse	0.10	3
Sn	118	115	2	0.122	ug/l	25.63	413.36	3.359E-04	Pulse	0.10	3
Sn	119	115	1	0.069	ug/l	29.64	396.69	7.426E-05	Pulse	0.10	3
Sb	121	159	1	0.064	ug/l	20.52	830.05	9.045E-05	Pulse	0.10	3
Ba	137	159	1	0.010	ug/l	55.47	746.71	8.142E-05	Pulse	0.10	3
Tl	205	209	1	0.115	ug/l	15.37	4,290.81	7.700E-04	Pulse	0.10	3
Pb	208	209	1	0.002	ug/l	20.19	726.71	1.304E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,502,624.56	0.43	105.0	Analog	0.10	3
1	Sc	45	2,657,002.67	1.04	111.8	Analog	0.10	3
2	Sc	45	153,640.39	0.86	113.1	Pulse	0.10	3
3	Sc	45	296,555.14	1.15	124.9	Pulse	0.10	3
1	Ge	72	568,777.41	0.84	116.0	Pulse	0.10	3
2	Ge	72	97,934.12	2.26	121.4	Pulse	0.10	3
3	Ge	72	149,877.44	1.30	126.8	Pulse	0.10	3
1	Rh	103	4,491,018.58	0.47	125.6	Analog	0.10	3
2	Rh	103	2,739,626.73	0.16	123.9	Analog	0.10	3
1	In	115	5,343,845.92	0.57	131.2	Analog	0.10	3
2	In	115	1,230,389.09	0.75	118.1	Pulse	0.10	3
1	Tb	159	9,172,405.07	0.65	130.8	Analog	0.10	3
2	Tb	159	5,081,107.21	0.63	121.8	Analog	0.10	3
1	Ho	165	8,901,159.45	0.07	130.9	Analog	0.10	3
2	Ho	165	5,064,764.92	0.23	122.9	Analog	0.10	3
1	Bi	209	5,575,108.87	0.63	127.4	Analog	0.10	3
2	Bi	209	3,629,693.07	0.64	123.0	Analog	0.10	3

Quantitation Report

File Name	088SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 23:35
Sample Name	jb24613-1conf
Sample Type	Sample
Comment	7
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.017	ug/l	50.97	26.67	2.048E-05	Pulse	0.25	3
B	11	6	1	107.036	ug/l	1.31	126,037.39	9.716E-02	Pulse	0.15	3
Na	23	45	1	455960.850	ug/l	0.70	2,413,101,564.04	9.789E+02	Analog	0.10	3
Na	23	45	2	504136.189	ug/l	1.58	114,125,824.96	7.581E+02	Analog	0.20	3
Mg	24	45	1	49850.310	ug/l	0.23	175,126,177.39	7.104E+01	Analog	0.10	3
Mg	24	45	2	51095.165	ug/l	0.97	5,847,803.46	3.884E+01	Analog	0.20	3
Al	27	45	1	15.659	ug/l	1.45	78,362.46	3.179E-02	Pulse	0.10	3
Al	27	45	2	15.559	ug/l	7.45	695.03	4.613E-03	Pulse	0.20	3
K	39	45	1	2364.197	ug/l	0.27	14,936,527.69	6.059E+00	Analog	0.10	3
K	39	45	2	2255.581	ug/l	0.68	253,691.56	1.685E+00	Pulse	0.20	3
Ca	43	45	1	77743.510	ug/l	0.05	935,773.78	3.796E-01	Pulse	1.50	3
Ca	43	45	2	75947.463	ug/l	1.31	27,673.40	1.838E-01	Pulse	1.50	3
Ca	44	45	1	79512.691	ug/l	0.53	15,531,329.35	6.300E+00	Analog	0.10	3
Ca	44	45	2	78754.032	ug/l	1.40	477,963.83	3.175E+00	Pulse	0.20	3
Ti	47	45	1	1.594	ug/l	11.72	1,013.41	4.111E-04	Pulse	0.10	3
Ti	47	45	2	0.308	ug/l	22.71	13.33	8.872E-05	Pulse	0.20	3
V	51	45	2	2.887	ug/l	6.01	3,840.52	2.552E-02	Pulse	0.20	3
Cr	52	45	2	0.143	ug/l	28.68	1,333.42	8.854E-03	Pulse	0.20	3
Mn	55	45	2	22.158	ug/l	1.02	20,272.74	1.347E-01	Pulse	0.20	3
Fe	56	45	2	21.857	ug/l	2.43	29,735.35	1.975E-01	Pulse	0.20	3
Co	59	45	2	0.229	ug/l	16.61	571.69	3.801E-03	Pulse	0.20	3
Ni	60	45	2	0.359	ug/l	26.53	356.68	2.366E-03	Pulse	0.20	3
Cu	63	45	2	0.864	ug/l	1.27	1,591.78	1.057E-02	Pulse	0.20	3
Cu	65	45	2	0.969	ug/l	4.84	855.04	5.680E-03	Pulse	0.20	3
Zn	66	45	2	1.899	ug/l	7.70	606.69	4.032E-03	Pulse	0.20	3
As	75	45	2	0.949	ug/l	12.11	187.33	1.244E-03	Pulse	0.50	3
Se	78	45	2	0.403	ug/l	64.44	15.00	9.979E-05	Pulse	1.00	3
Se	78	45	3	0.264	ug/l	24.39	16.00	5.725E-05	Pulse	1.00	3
Sr	88	45	1	633.293	ug/l	0.35	8,694,365.91	3.527E+00	Analog	0.10	3
Mo	95	103	1	8.179	ug/l	1.37	19,168.73	5.231E-03	Pulse	0.10	3
Ag	107	115	1	0.025	ug/l	34.77	223.35	4.938E-05	Pulse	0.10	3
Cd	111	115	1	0.036	ug/l	50.10	60.00	1.325E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.039	ug/l	32.24	24.00	2.220E-05	Pulse	0.25	3
Sn	117	115	1	0.391	ug/l	28.16	593.38	1.310E-04	Pulse	0.10	3
Sn	118	115	1	0.326	ug/l	9.38	1,683.49	3.715E-04	Pulse	0.10	3
Sn	118	115	2	0.409	ug/l	2.90	570.03	5.275E-04	Pulse	0.10	3
Sn	119	115	1	0.755	ug/l	8.76	1,300.12	2.868E-04	Pulse	0.10	3
Sb	121	159	1	0.319	ug/l	9.05	1,620.15	1.958E-04	Pulse	0.10	3
Ba	137	159	1	324.669	ug/l	0.81	759,640.82	9.173E-02	Pulse	0.10	3
Tl	205	209	1	0.230	ug/l	6.90	3,513.90	7.714E-04	Pulse	0.10	3
Pb	208	209	1	0.298	ug/l	3.71	5,827.36	1.280E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,296,975.49	1.62	90.6	Analog	0.10	3
1	Sc	45	2,465,093.81	2.13	103.8	Analog	0.10	3
2	Sc	45	150,573.18	1.57	110.9	Pulse	0.10	3
3	Sc	45	278,941.80	1.26	117.5	Pulse	0.10	3
1	Ge	72	506,758.42	0.90	103.4	Pulse	0.10	3
2	Ge	72	89,834.26	1.62	111.3	Pulse	0.10	3
3	Ge	72	131,397.13	2.25	111.1	Pulse	0.10	3
1	Rh	103	3,664,666.61	1.54	102.5	Analog	0.10	3
2	Rh	103	2,276,857.00	0.89	103.0	Analog	0.10	3
1	In	115	4,528,768.97	1.74	111.2	Analog	0.10	3
2	In	115	1,080,516.72	0.46	103.7	Pulse	0.10	3
1	Tb	159	8,282,172.17	2.48	118.1	Analog	0.10	3
2	Tb	159	4,696,441.18	0.96	112.6	Analog	0.10	3
1	Ho	165	8,094,320.51	1.49	119.1	Analog	0.10	3
2	Ho	165	4,703,770.24	0.09	114.1	Analog	0.10	3
1	Bi	209	4,554,244.51	1.44	104.1	Analog	0.10	3
2	Bi	209	2,950,997.25	0.88	100.0	Analog	0.10	3

Quantitation Report

File Name	089SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 23:40
Sample Name	jb24613-2conf
Sample Type	Sample
Comment	8
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.019	ug/l	41.23	29.33	2.155E-05	Pulse	0.25	3
B	11	6	1	86.881	ug/l	0.54	107,549.69	7.902E-02	Pulse	0.15	3
Na	23	45	1	361081.649	ug/l	1.26	1,967,271,064.02	7.752E+02	Analog	0.10	3
Na	23	45	2	393003.628	ug/l	1.46	87,356,288.70	5.910E+02	Analog	0.20	3
Mg	24	45	1	38710.586	ug/l	1.43	140,011,871.25	5.517E+01	Analog	0.10	3
Mg	24	45	2	39642.423	ug/l	1.39	4,454,565.35	3.014E+01	Analog	0.20	3
Al	27	45	1	28.891	ug/l	3.75	144,170.42	5.681E-02	Pulse	0.10	3
Al	27	45	2	28.118	ug/l	7.91	1,206.74	8.157E-03	Pulse	0.20	3
K	39	45	1	1163.247	ug/l	1.02	7,877,218.84	3.104E+00	Analog	0.10	3
K	39	45	2	1104.392	ug/l	1.25	124,406.07	8.416E-01	Pulse	0.20	3
Ca	43	45	1	59679.848	ug/l	0.63	739,569.28	2.914E-01	Pulse	1.50	3
Ca	43	45	2	58537.606	ug/l	2.09	20,953.27	1.418E-01	Pulse	1.50	3
Ca	44	45	1	60844.215	ug/l	0.20	12,235,219.82	4.821E+00	Analog	0.10	3
Ca	44	45	2	60308.319	ug/l	1.25	359,379.42	2.431E+00	Pulse	0.20	3
Ti	47	45	1	2.408	ug/l	4.11	1,540.14	6.070E-04	Pulse	0.10	3
Ti	47	45	2	0.663	ug/l	61.90	28.33	1.911E-04	Pulse	0.20	3
V	51	45	2	3.125	ug/l	4.73	4,055.57	2.744E-02	Pulse	0.20	3
Cr	52	45	2	0.160	ug/l	60.99	1,336.74	9.039E-03	Pulse	0.20	3
Mn	55	45	2	34.790	ug/l	2.32	31,246.49	2.114E-01	Pulse	0.20	3
Fe	56	45	2	52.140	ug/l	2.69	66,890.39	4.526E-01	Pulse	0.20	3
Co	59	45	2	0.212	ug/l	12.42	523.35	3.539E-03	Pulse	0.20	3
Ni	60	45	2	2.020	ug/l	1.56	1,378.42	9.325E-03	Pulse	0.20	3
Cu	63	45	2	0.670	ug/l	7.08	1,240.07	8.388E-03	Pulse	0.20	3
Cu	65	45	2	0.814	ug/l	12.06	711.70	4.818E-03	Pulse	0.20	3
Zn	66	45	2	4.690	ug/l	2.89	1,410.09	9.537E-03	Pulse	0.20	3
As	75	45	2	1.841	ug/l	12.49	343.34	2.325E-03	Pulse	0.50	3
Se	78	45	2	0.513	ug/l	78.57	16.67	1.130E-04	Pulse	1.00	3
Se	78	45	3	0.116	ug/l	15.39	7.00	2.591E-05	Pulse	1.00	3
Sr	88	45	1	453.102	ug/l	0.92	6,403,961.15	2.523E+00	Analog	0.10	3
Mo	95	103	1	5.300	ug/l	2.26	12,762.29	3.395E-03	Pulse	0.10	3
Ag	107	115	1	0.007	ug/l	115.15	123.34	2.649E-05	Pulse	0.10	3
Cd	111	115	1	0.029	ug/l	75.16	52.00	1.115E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.017	ug/l	129.95	12.00	1.097E-05	Pulse	0.25	3
Sn	117	115	1	0.225	ug/l	16.49	383.35	8.230E-05	Pulse	0.10	3
Sn	118	115	1	0.244	ug/l	13.85	1,370.12	2.941E-04	Pulse	0.10	3
Sn	118	115	2	0.241	ug/l	10.08	363.35	3.330E-04	Pulse	0.10	3
Sn	119	115	1	0.857	ug/l	12.65	1,500.13	3.221E-04	Pulse	0.10	3
Sb	121	159	1	0.323	ug/l	16.69	1,670.16	1.978E-04	Pulse	0.10	3
Ba	137	159	1	216.044	ug/l	0.73	515,533.68	6.107E-02	Pulse	0.10	3
Tl	205	209	1	0.194	ug/l	10.63	3,147.14	6.722E-04	Pulse	0.10	3
Pb	208	209	1	0.380	ug/l	3.00	7,501.06	1.602E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,361,134.86	1.10	95.1	Analog	0.10	3
1	Sc	45	2,537,886.63	1.02	106.8	Analog	0.10	3
2	Sc	45	147,838.28	1.34	108.9	Pulse	0.10	3
3	Sc	45	270,213.50	0.91	113.8	Pulse	0.10	3
1	Ge	72	530,094.15	0.21	108.1	Pulse	0.10	3
2	Ge	72	88,222.42	2.42	109.3	Pulse	0.10	3
3	Ge	72	130,683.95	0.43	110.5	Pulse	0.10	3
1	Rh	103	3,758,608.80	0.18	105.1	Analog	0.10	3
2	Rh	103	2,296,669.97	0.26	103.9	Analog	0.10	3
1	In	115	4,657,089.61	0.45	114.4	Analog	0.10	3
2	In	115	1,091,565.65	0.54	104.8	Pulse	0.10	3
1	Tb	159	8,442,048.00	0.49	120.4	Analog	0.10	3
2	Tb	159	4,749,293.79	0.09	113.8	Analog	0.10	3
1	Ho	165	8,271,968.00	0.63	121.7	Analog	0.10	3
2	Ho	165	4,752,200.66	0.62	115.3	Analog	0.10	3
1	Bi	209	4,682,425.04	0.66	107.0	Analog	0.10	3
2	Bi	209	3,043,932.56	0.90	103.1	Analog	0.10	3

Quantitation Report

File Name	090SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 23:46
Sample Name	jb24613-3conf
Sample Type	Sample
Comment	9
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.011	ug/l	80.37	21.33	1.460E-05	Pulse	0.25	3
B	11	6	1	101.341	ug/l	1.91	134,239.24	9.204E-02	Pulse	0.15	3
Na	23	45	1	227607.791	ug/l	1.23	1,229,447,261.68	4.887E+02	Analog	0.10	3
Na	23	45	2	242372.219	ug/l	0.70	51,669,054.23	3.645E+02	Analog	0.20	3
Mg	24	45	1	11715.827	ug/l	1.40	42,009,037.71	1.670E+01	Analog	0.10	3
Mg	24	45	2	12512.982	ug/l	0.48	1,348,542.64	9.513E+00	Analog	0.20	3
Al	27	45	1	6.334	ug/l	5.89	35,598.80	1.415E-02	Pulse	0.10	3
Al	27	45	2	6.715	ug/l	8.84	300.01	2.117E-03	Pulse	0.20	3
K	39	45	1	1618.899	ug/l	0.65	10,630,732.34	4.225E+00	Analog	0.10	3
K	39	45	2	1579.663	ug/l	0.93	168,663.32	1.190E+00	Pulse	0.20	3
Ca	43	45	1	20762.273	ug/l	0.96	255,102.56	1.014E-01	Pulse	1.50	3
Ca	43	45	2	20424.419	ug/l	0.75	7,045.71	4.970E-02	Pulse	1.50	3
Ca	44	45	1	21524.995	ug/l	1.22	4,292,384.31	1.706E+00	Analog	0.10	3
Ca	44	45	2	21556.198	ug/l	0.44	123,204.48	8.691E-01	Pulse	0.20	3
Ti	47	45	1	1.559	ug/l	5.03	1,013.42	4.028E-04	Pulse	0.10	3
Ti	47	45	2	0.204	ug/l	34.38	8.33	5.873E-05	Pulse	0.20	3
V	51	45	2	6.720	ug/l	3.44	8,018.76	5.657E-02	Pulse	0.20	3
Cr	52	45	2	0.380	ug/l	14.88	1,610.12	1.136E-02	Pulse	0.20	3
Mn	55	45	2	57.546	ug/l	1.00	49,567.81	3.496E-01	Pulse	0.20	3
Fe	56	45	2	12.214	ug/l	3.60	16,486.80	1.163E-01	Pulse	0.20	3
Co	59	45	2	0.283	ug/l	3.50	661.69	4.667E-03	Pulse	0.20	3
Ni	60	45	2	0.484	ug/l	20.44	410.01	2.891E-03	Pulse	0.20	3
Cu	63	45	2	0.853	ug/l	7.40	1,481.76	1.045E-02	Pulse	0.20	3
Cu	65	45	2	0.993	ug/l	6.68	823.37	5.809E-03	Pulse	0.20	3
Zn	66	45	2	1.476	ug/l	10.43	453.35	3.197E-03	Pulse	0.20	3
As	75	45	2	2.555	ug/l	5.06	452.01	3.189E-03	Pulse	0.50	3
Se	78	45	2	0.044	ug/l	135.02	8.00	5.644E-05	Pulse	1.00	3
Se	78	45	3	0.071	ug/l	39.63	4.33	1.639E-05	Pulse	1.00	3
Sr	88	45	1	160.374	ug/l	1.13	2,247,359.86	8.932E-01	Analog	0.10	3
Mo	95	103	1	5.918	ug/l	4.17	14,523.81	3.789E-03	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	1191.17	90.00	1.919E-05	Pulse	0.10	3
Cd	111	115	1	0.085	ug/l	11.98	132.00	2.816E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.120	ug/l	8.11	69.33	6.352E-05	Pulse	0.25	3
Sn	117	115	1	0.153	ug/l	14.05	286.68	6.116E-05	Pulse	0.10	3
Sn	118	115	1	0.189	ug/l	17.30	1,133.42	2.418E-04	Pulse	0.10	3
Sn	118	115	2	0.233	ug/l	4.40	353.35	3.238E-04	Pulse	0.10	3
Sn	119	115	1	0.236	ug/l	4.45	506.69	1.081E-04	Pulse	0.10	3
Sb	121	159	1	0.208	ug/l	13.73	1,143.42	1.342E-04	Pulse	0.10	3
Ba	137	159	1	166.883	ug/l	0.44	402,010.80	4.719E-02	Pulse	0.10	3
Tl	205	209	1	0.161	ug/l	10.68	2,797.06	5.808E-04	Pulse	0.10	3
Pb	208	209	1	2.836	ug/l	1.19	54,140.75	1.124E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,458,447.14	0.73	101.9	Analog	0.10	3
1	Sc	45	2,515,974.23	0.37	105.9	Analog	0.10	3
2	Sc	45	141,764.87	0.43	104.4	Pulse	0.10	3
3	Sc	45	265,096.15	1.14	111.6	Pulse	0.10	3
1	Ge	72	523,156.80	0.51	106.7	Pulse	0.10	3
2	Ge	72	85,956.54	0.53	106.5	Pulse	0.10	3
3	Ge	72	130,449.20	0.66	110.3	Pulse	0.10	3
1	Rh	103	3,832,825.26	0.53	107.2	Analog	0.10	3
2	Rh	103	2,298,313.40	0.59	104.0	Analog	0.10	3
1	In	115	4,688,268.96	0.35	115.1	Analog	0.10	3
2	In	115	1,090,976.31	1.02	104.7	Pulse	0.10	3
1	Tb	159	8,519,592.58	0.93	121.5	Analog	0.10	3
2	Tb	159	4,785,305.66	0.30	114.7	Analog	0.10	3
1	Ho	165	8,404,754.46	0.73	123.6	Analog	0.10	3
2	Ho	165	4,788,465.87	0.45	116.2	Analog	0.10	3
1	Bi	209	4,815,885.66	0.42	110.1	Analog	0.10	3
2	Bi	209	3,137,170.68	0.50	106.3	Analog	0.10	3

Quantitation Report

File Name	091SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 23:51
Sample Name	jb24613-4
Sample Type	Sample
Comment	10
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	6.990	ug/l	0.83	8,998.48	6.725E-03	Pulse	0.25	3
B	11	6	1	29.647	ug/l	0.46	36,780.15	2.749E-02	Pulse	0.15	3
Na	23	45	1	34868.549	ug/l	0.74	172,826,124.09	7.490E+01	Analog	0.10	3
Na	23	45	2	38421.159	ug/l	0.46	7,348,571.35	5.780E+01	Analog	0.20	3
Mg	24	45	1	17489.200	ug/l	0.41	57,510,975.81	2.492E+01	Analog	0.10	3
Mg	24	45	2	18923.408	ug/l	0.44	1,828,840.81	1.439E+01	Analog	0.20	3
Al	27	45	1	20200.009	ug/l	0.47	88,154,758.69	3.821E+01	Analog	0.10	3
Al	27	45	2	19921.024	ug/l	1.13	714,762.33	5.622E+00	Pulse	0.20	3
K	39	45	1	1115.954	ug/l	0.72	6,893,465.11	2.988E+00	Analog	0.10	3
K	39	45	2	1104.646	ug/l	1.17	107,017.98	8.418E-01	Pulse	0.20	3
Ca	43	45	1	46029.228	ug/l	0.44	518,608.50	2.248E-01	Pulse	1.50	3
Ca	43	45	2	45314.408	ug/l	1.41	13,960.70	1.098E-01	Pulse	1.50	3
Ca	44	45	1	47862.570	ug/l	0.93	8,750,877.37	3.793E+00	Analog	0.10	3
Ca	44	45	2	47292.503	ug/l	1.16	242,367.28	1.906E+00	Pulse	0.20	3
Ti	47	45	1	2.251	ug/l	2.61	1,313.44	5.692E-04	Pulse	0.10	3
Ti	47	45	2	1.046	ug/l	7.39	38.33	3.015E-04	Pulse	0.20	3
V	51	45	2	1.330	ug/l	7.30	1,640.11	1.290E-02	Pulse	0.20	3
Cr	52	45	2	1.573	ug/l	5.51	3,043.68	2.394E-02	Pulse	0.20	3
Mn	55	45	2	4022.945	ug/l	0.39	3,107,079.75	2.444E+01	Analog	0.20	3
Fe	56	45	2	194.935	ug/l	1.19	210,423.38	1.655E+00	Pulse	0.20	3
Co	59	45	2	107.008	ug/l	1.29	216,473.61	1.703E+00	Pulse	0.20	3
Ni	60	45	2	37.834	ug/l	0.74	20,266.08	1.594E-01	Pulse	0.20	3
Cu	63	45	2	19.750	ug/l	1.80	28,484.97	2.241E-01	Pulse	0.20	3
Cu	65	45	2	20.546	ug/l	1.10	14,546.69	1.144E-01	Pulse	0.20	3
Zn	66	45	2	133.847	ug/l	1.36	33,608.01	2.644E-01	Pulse	0.20	3
As	75	45	2	3.668	ug/l	4.22	576.68	4.536E-03	Pulse	0.50	3
Se	78	45	2	9.448	ug/l	20.65	151.33	1.191E-03	Pulse	1.00	3
Se	78	45	3	1.040	ug/l	8.28	54.33	2.214E-04	Pulse	1.00	3
Sr	88	45	1	250.330	ug/l	0.68	3,216,943.60	1.394E+00	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.092	ug/l	25.96	273.35	7.422E-05	Pulse	0.10	3
Ag	107	115	1	0.007	ug/l	91.27	126.67	2.753E-05	Pulse	0.10	3
Cd	111	115	1	61.004	ug/l	0.90	85,153.84	1.853E-02	Pulse	0.25	3
Cd	111	115	2	66.573	ug/l	1.08	34,899.91	3.391E-02	Pulse	0.25	3
Sn	117	115	1	0.088	ug/l	20.30	193.34	4.208E-05	Pulse	0.10	3
Sn	118	115	1	0.126	ug/l	11.92	836.72	1.820E-04	Pulse	0.10	3
Sn	118	115	2	0.138	ug/l	15.38	220.01	2.137E-04	Pulse	0.10	3
Sn	119	115	1	0.593	ug/l	16.59	1,063.41	2.313E-04	Pulse	0.10	3
Sb	121	159	1	0.174	ug/l	9.16	986.74	1.152E-04	Pulse	0.10	3
Ba	137	159	1	18.106	ug/l	1.43	44,435.15	5.187E-03	Pulse	0.10	3
Tl	205	209	1	0.231	ug/l	17.57	3,947.40	7.734E-04	Pulse	0.10	3
Pb	208	209	1	0.713	ug/l	3.19	14,836.84	2.908E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,338,135.79	0.87	93.5	Analog	0.10	3
1	Sc	45	2,307,401.43	0.52	97.1	Analog	0.10	3
2	Sc	45	127,132.47	0.57	93.6	Pulse	0.10	3
3	Sc	45	245,521.33	1.28	103.4	Pulse	0.10	3
1	Ge	72	490,914.60	0.74	100.1	Pulse	0.10	3
2	Ge	72	81,715.64	1.64	101.3	Pulse	0.10	3
3	Ge	72	123,519.05	2.47	104.5	Pulse	0.10	3
1	Rh	103	3,684,267.86	0.28	103.1	Analog	0.10	3
2	Rh	103	2,229,879.18	0.29	100.9	Analog	0.10	3
1	In	115	4,596,084.99	0.55	112.9	Analog	0.10	3
2	In	115	1,029,060.50	0.57	98.8	Pulse	0.10	3
1	Tb	159	8,566,216.12	0.15	122.2	Analog	0.10	3
2	Tb	159	4,732,022.22	0.20	113.4	Analog	0.10	3
1	Ho	165	8,370,742.58	0.37	123.1	Analog	0.10	3
2	Ho	165	4,743,318.26	0.47	115.1	Analog	0.10	3
1	Bi	209	5,101,950.24	0.50	116.6	Analog	0.10	3
2	Bi	209	3,281,599.95	0.17	111.2	Analog	0.10	3

Quantitation Report

File Name	092SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/30/2012 23:56
Sample Name	jb24613-5
Sample Type	Sample
Comment	11
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	4.801	ug/l	5.80	5,710.37	4.620E-03	Pulse	0.25	3
B	11	6	1	78.048	ug/l	1.44	87,845.33	7.106E-02	Pulse	0.15	3
Na	23	45	1	192169.845	ug/l	0.33	961,190,812.34	4.126E+02	Analog	0.10	3
Na	23	45	2	216680.482	ug/l	0.71	43,763,304.35	3.258E+02	Analog	0.20	3
Mg	24	45	1	72072.134	ug/l	0.33	239,274,743.10	1.027E+02	Analog	0.10	3
Mg	24	45	2	76835.120	ug/l	0.58	7,844,635.30	5.841E+01	Analog	0.20	3
Al	27	45	1	596.113	ug/l	0.62	2,631,699.02	1.130E+00	Analog	0.10	3
Al	27	45	2	557.106	ug/l	0.77	21,146.88	1.574E-01	Pulse	0.20	3
K	39	45	1	3412.310	ug/l	0.43	20,125,499.70	8.638E+00	Analog	0.10	3
K	39	45	2	3262.054	ug/l	0.92	325,313.12	2.422E+00	Pulse	0.20	3
Ca	43	45	1	112575.089	ug/l	0.21	1,280,568.94	5.497E-01	Pulse	1.50	3
Ca	43	45	2	111831.751	ug/l	0.78	36,328.23	2.705E-01	Pulse	1.50	3
Ca	44	45	1	115420.289	ug/l	0.37	21,305,114.68	9.145E+00	Analog	0.10	3
Ca	44	45	2	116529.049	ug/l	1.03	630,896.71	4.697E+00	Pulse	0.20	3
Ti	47	45	1	1.764	ug/l	9.10	1,053.41	4.521E-04	Pulse	0.10	3
Ti	47	45	2	0.302	ug/l	25.37	11.67	8.695E-05	Pulse	0.20	3
V	51	45	2	1.689	ug/l	8.03	2,123.51	1.581E-02	Pulse	0.20	3
Cr	52	45	2	0.400	ug/l	10.77	1,553.44	1.157E-02	Pulse	0.20	3
Mn	55	45	2	1264.123	ug/l	0.55	1,031,473.52	7.680E+00	Pulse	0.20	3
Fe	56	45	2	10183.762	ug/l	0.31	11,521,414.00	8.578E+01	Analog	0.20	3
Co	59	45	2	30.040	ug/l	1.18	64,218.11	4.781E-01	Pulse	0.20	3
Ni	60	45	2	33.844	ug/l	0.81	19,164.76	1.427E-01	Pulse	0.20	3
Cu	63	45	2	0.455	ug/l	5.70	800.04	5.958E-03	Pulse	0.20	3
Cu	65	45	2	0.474	ug/l	17.05	393.35	2.929E-03	Pulse	0.20	3
Zn	66	45	2	33.045	ug/l	3.33	8,794.21	6.548E-02	Pulse	0.20	3
As	75	45	2	4.550	ug/l	6.19	752.69	5.604E-03	Pulse	0.50	3
Se	78	45	2	7.558	ug/l	16.26	129.33	9.631E-04	Pulse	1.00	3
Se	78	45	3	1.048	ug/l	7.05	57.00	2.230E-04	Pulse	1.00	3
Sr	88	45	1	962.964	ug/l	0.41	12,493,766.90	5.363E+00	Analog	0.10	3
Mo	95	103	1	1.192	ug/l	6.64	2,787.02	7.762E-04	Pulse	0.10	3
Ag	107	115	1	0.009	ug/l	202.37	130.00	2.897E-05	Pulse	0.10	3
Cd	111	115	1	0.085	ug/l	23.60	126.67	2.818E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.088	ug/l	30.24	49.33	4.726E-05	Pulse	0.25	3
Sn	117	115	1	6.515	ug/l	2.38	8,666.04	1.927E-03	Pulse	0.10	3
Sn	118	115	1	6.309	ug/l	0.68	27,217.56	6.053E-03	Pulse	0.10	3
Sn	118	115	2	6.912	ug/l	4.11	8,405.93	8.048E-03	Pulse	0.10	3
Sn	119	115	1	6.218	ug/l	4.50	9,746.69	2.168E-03	Pulse	0.10	3
Sb	121	159	1	0.789	ug/l	3.64	3,867.28	4.555E-04	Pulse	0.10	3
Ba	137	159	1	21.592	ug/l	1.60	52,395.92	6.172E-03	Pulse	0.10	3
Tl	205	209	1	0.106	ug/l	13.01	2,066.90	4.282E-04	Pulse	0.10	3
Pb	208	209	1	0.646	ug/l	2.51	12,769.38	2.647E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,236,158.72	0.82	86.4	Analog	0.10	3
1	Sc	45	2,329,689.34	1.25	98.1	Analog	0.10	3
2	Sc	45	134,312.53	0.62	98.9	Pulse	0.10	3
3	Sc	45	255,744.87	0.85	107.7	Pulse	0.10	3
1	Ge	72	477,050.88	0.45	97.3	Pulse	0.10	3
2	Ge	72	84,515.83	1.48	104.7	Pulse	0.10	3
3	Ge	72	125,762.30	1.21	106.4	Pulse	0.10	3
1	Rh	103	3,590,337.24	0.92	100.4	Analog	0.10	3
2	Rh	103	2,214,255.85	1.01	100.2	Analog	0.10	3
1	In	115	4,496,527.33	0.38	110.4	Analog	0.10	3
2	In	115	1,044,413.24	0.55	100.2	Pulse	0.10	3
1	Tb	159	8,489,805.29	0.29	121.1	Analog	0.10	3
2	Tb	159	4,741,527.95	0.56	113.7	Analog	0.10	3
1	Ho	165	8,363,045.92	0.99	123.0	Analog	0.10	3
2	Ho	165	4,756,926.28	0.17	115.4	Analog	0.10	3
1	Bi	209	4,824,980.03	0.77	110.3	Analog	0.10	3
2	Bi	209	3,076,890.68	0.49	104.2	Analog	0.10	3

Quantitation Report

File Name	093SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 0:01
Sample Name	jb24613-7
Sample Type	Sample
Comment	12
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	2.633	ug/l	3.87	3,041.65	2.535E-03	Pulse	0.25	3
B	11	6	1	101.078	ug/l	0.65	110,164.11	9.180E-02	Pulse	0.15	3
Na	23	45	1	740406.376	ug/l	1.28	3,888,027,782.06	1.589E+03	Analog	0.10	3
Na	23	45	2	886920.076	ug/l	0.94	189,539,523.84	1.334E+03	Analog	0.20	3
Mg	24	45	1	243075.170	ug/l	1.44	847,345,987.38	3.464E+02	Analog	0.10	3
Mg	24	45	2	283807.197	ug/l	1.12	30,660,657.87	2.157E+02	Analog	0.20	3
Al	27	45	1	102.100	ug/l	0.78	477,635.16	1.953E-01	Pulse	0.10	3
Al	27	45	2	102.908	ug/l	5.07	4,158.92	2.926E-02	Pulse	0.20	3
K	39	45	1	1399.298	ug/l	0.22	9,013,137.99	3.685E+00	Analog	0.10	3
K	39	45	2	1428.749	ug/l	1.62	153,369.00	1.079E+00	Pulse	0.20	3
Ca	43	45	1	355460.294	ug/l	1.31	4,245,431.89	1.736E+00	Analog	1.50	3
Ca	43	45	2	350165.504	ug/l	1.37	120,253.75	8.462E-01	Pulse	1.50	3
Ca	44	45	1	357014.832	ug/l	1.01	69,187,368.97	2.828E+01	Analog	0.10	3
Ca	44	45	2	370440.833	ug/l	1.87	2,122,093.72	1.493E+01	Analog	0.20	3
Ti	47	45	1	2.229	ug/l	16.32	1,380.12	5.639E-04	Pulse	0.10	3
Ti	47	45	2	0.245	ug/l	50.81	10.00	7.050E-05	Pulse	0.20	3
V	51	45	2	1.105	ug/l	8.90	1,575.11	1.108E-02	Pulse	0.20	3
Cr	52	45	2	0.455	ug/l	22.59	1,725.13	1.215E-02	Pulse	0.20	3
Mn	55	45	2	25396.106	ug/l	1.11	21,927,112.17	1.543E+02	Analog	0.20	3
Fe	56	45	2	43355.822	ug/l	0.54	51,898,550.89	3.652E+02	Analog	0.20	3
Co	59	45	2	172.350	ug/l	1.04	389,760.74	2.742E+00	Pulse	0.20	3
Ni	60	45	2	97.168	ug/l	2.07	57,988.64	4.081E-01	Pulse	0.20	3
Cu	63	45	2	0.598	ug/l	4.56	1,076.72	7.573E-03	Pulse	0.20	3
Cu	65	45	2	0.562	ug/l	9.89	485.02	3.415E-03	Pulse	0.20	3
Zn	66	45	2	7.321	ug/l	1.21	2,093.51	1.473E-02	Pulse	0.20	3
As	75	45	2	2.766	ug/l	8.74	489.34	3.444E-03	Pulse	0.50	3
Se	78	45	2	2.379	ug/l	22.58	48.00	3.382E-04	Pulse	1.00	3
Se	78	45	3	0.421	ug/l	35.71	23.67	9.050E-05	Pulse	1.00	3
Sr	88	45	1	2519.933	ug/l	1.12	34,326,481.16	1.403E+01	Analog	0.10	3
Mo	95	103	1	1.246	ug/l	8.63	2,807.03	8.104E-04	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	876.95	83.34	1.889E-05	Pulse	0.10	3
Cd	111	115	1	0.020	ug/l	36.37	37.33	8.466E-06	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.018	ug/l	43.47	12.00	1.176E-05	Pulse	0.25	3
Sn	117	115	1	0.122	ug/l	24.54	230.01	5.217E-05	Pulse	0.10	3
Sn	118	115	1	0.118	ug/l	26.61	766.72	1.741E-04	Pulse	0.10	3
Sn	118	115	2	0.218	ug/l	36.07	313.35	3.061E-04	Pulse	0.10	3
Sn	119	115	1	0.484	ug/l	5.78	853.39	1.937E-04	Pulse	0.10	3
Sb	121	159	1	0.210	ug/l	16.91	1,093.41	1.351E-04	Pulse	0.10	3
Ba	137	159	1	23.839	ug/l	1.02	55,109.20	6.806E-03	Pulse	0.10	3
Tl	205	209	1	0.127	ug/l	8.66	2,083.56	4.856E-04	Pulse	0.10	3
Pb	208	209	1	1.140	ug/l	2.31	19,662.53	4.584E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,200,100.62	1.20	83.8	Analog	0.10	3
1	Sc	45	2,445,964.50	0.76	103.0	Analog	0.10	3
2	Sc	45	142,132.51	1.21	104.7	Pulse	0.10	3
3	Sc	45	261,523.52	0.30	110.1	Pulse	0.10	3
1	Ge	72	487,862.21	1.09	99.5	Pulse	0.10	3
2	Ge	72	81,527.55	2.59	101.0	Pulse	0.10	3
3	Ge	72	122,128.56	1.26	103.3	Pulse	0.10	3
1	Rh	103	3,462,239.84	1.31	96.8	Analog	0.10	3
2	Rh	103	2,100,707.26	0.66	95.0	Analog	0.10	3
1	In	115	4,405,721.18	0.96	108.2	Analog	0.10	3
2	In	115	1,022,658.91	0.82	98.2	Pulse	0.10	3
1	Tb	159	8,097,144.67	0.83	115.5	Analog	0.10	3
2	Tb	159	4,491,030.14	0.85	107.7	Analog	0.10	3
1	Ho	165	7,924,097.80	0.35	116.5	Analog	0.10	3
2	Ho	165	4,506,850.77	0.93	109.3	Analog	0.10	3
1	Bi	209	4,289,658.17	0.75	98.1	Analog	0.10	3
2	Bi	209	2,709,511.11	0.70	91.8	Analog	0.10	3

Quantitation Report

File Name	094SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 0:06
Sample Name	RINSECONF
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.000	ug/l	-555.34	5.33	3.458E-06	Pulse	0.25	3
B	11	6	1	2.335	ug/l	8.53	7,710.83	4.999E-03	Pulse	0.15	3
Na	23	45	1	27.945	ug/l	5.33	454,806.35	1.708E-01	Pulse	0.10	3
Na	23	45	2	27.263	ug/l	3.29	16,932.15	1.139E-01	Pulse	0.20	3
Mg	24	45	1	4.039	ug/l	2.97	33,477.73	1.257E-02	Pulse	0.10	3
Mg	24	45	2	3.422	ug/l	4.36	881.71	5.930E-03	Pulse	0.20	3
Al	27	45	1	0.042	ug/l	54.05	6,201.38	2.330E-03	Pulse	0.10	3
Al	27	45	2	0.025	ug/l	416.30	35.00	2.355E-04	Pulse	0.20	3
K	39	45	1	-0.576	ug/l	-28.85	635,284.00	2.386E-01	Pulse	0.10	3
K	39	45	2	1.900	ug/l	30.01	5,259.25	3.537E-02	Pulse	0.20	3
Ca	43	45	1	5.139	ug/l	19.58	188.67	7.085E-05	Pulse	1.50	3
Ca	43	45	2	-71.729	ug/l	-4.20	2.89	1.947E-05	Pulse	1.50	3
Ca	44	45	1	3.567	ug/l	14.12	3,543.88	1.331E-03	Pulse	0.10	3
Ca	44	45	2	2.774	ug/l	48.92	53.33	3.590E-04	Pulse	0.20	3
Ti	47	45	1	-0.032	ug/l	-14.00	33.33	1.252E-05	Pulse	0.10	3
Ti	47	45	2	0.000	ug/l	---	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	-0.001	ug/l	-3223.70	315.01	2.119E-03	Pulse	0.20	3
Cr	52	45	2	-0.008	ug/l	-333.87	1,068.39	7.184E-03	Pulse	0.20	3
Mn	55	45	2	0.334	ug/l	7.57	608.36	4.093E-03	Pulse	0.20	3
Fe	56	45	2	0.838	ug/l	9.55	4,095.58	2.755E-02	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	186.89	26.67	1.792E-04	Pulse	0.20	3
Ni	60	45	2	0.000	ug/l	3876.92	128.33	8.631E-04	Pulse	0.20	3
Cu	63	45	2	-0.009	ug/l	-86.80	90.00	6.051E-04	Pulse	0.20	3
Cu	65	45	2	0.007	ug/l	117.66	55.00	3.698E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.025	ug/l	176.88	56.67	3.809E-04	Pulse	0.20	3
As	75	45	2	-0.014	ug/l	-83.96	9.33	6.271E-05	Pulse	0.50	3
Se	78	45	2	0.151	ug/l	19.76	13.00	8.745E-05	Pulse	1.00	3
Se	78	45	3	0.011	ug/l	119.72	1.67	6.038E-06	Pulse	1.00	3
Sr	88	45	1	0.042	ug/l	8.08	1,660.16	6.237E-04	Pulse	0.10	3
Mo	95	103	1	-0.001	ug/l	-484.58	63.34	1.443E-05	Pulse	0.10	3
Ag	107	115	1	-0.001	ug/l	-372.17	86.67	1.657E-05	Pulse	0.10	3
Cd	111	115	1	-0.003	ug/l	-87.14	4.00	7.676E-07	Pulse	0.25	3
Cd	111	115	2	-0.001	ug/l	-130.38	1.33	1.098E-06	Pulse	0.25	3
Sn	117	115	1	0.011	ug/l	100.41	120.01	2.290E-05	Pulse	0.10	3
Sn	118	115	1	0.004	ug/l	92.53	366.69	7.004E-05	Pulse	0.10	3
Sn	118	115	2	0.012	ug/l	105.47	100.01	8.282E-05	Pulse	0.10	3
Sn	119	115	1	0.009	ug/l	234.64	173.34	3.309E-05	Pulse	0.10	3
Sb	121	159	1	0.013	ug/l	35.70	306.68	3.369E-05	Pulse	0.10	3
Ba	137	159	1	0.015	ug/l	38.20	770.05	8.460E-05	Pulse	0.10	3
Tl	205	209	1	0.021	ug/l	41.77	1,386.79	2.514E-04	Pulse	0.10	3
Pb	208	209	1	0.000	ug/l	-1414.30	600.03	1.088E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,542,963.83	1.38	107.8	Analog	0.10	3
1	Sc	45	2,662,219.23	0.33	112.1	Analog	0.10	3
2	Sc	45	148,689.67	0.56	109.5	Pulse	0.10	3
3	Sc	45	277,882.58	1.10	117.0	Pulse	0.10	3
1	Ge	72	566,335.98	1.12	115.5	Pulse	0.10	3
2	Ge	72	95,009.85	1.86	117.7	Pulse	0.10	3
3	Ge	72	144,172.24	1.48	121.9	Pulse	0.10	3
1	Rh	103	4,393,133.79	0.23	122.9	Analog	0.10	3
2	Rh	103	2,650,199.44	0.74	119.9	Analog	0.10	3
1	In	115	5,235,515.83	0.51	128.6	Analog	0.10	3
2	In	115	1,208,528.77	0.47	116.0	Pulse	0.10	3
1	Tb	159	9,102,915.70	0.48	129.9	Analog	0.10	3
2	Tb	159	4,999,352.84	0.68	119.8	Analog	0.10	3
1	Ho	165	8,830,621.53	0.55	129.9	Analog	0.10	3
2	Ho	165	4,995,012.74	1.20	121.2	Analog	0.10	3
1	Bi	209	5,518,896.17	0.38	126.2	Analog	0.10	3
2	Bi	209	3,554,806.82	0.83	120.4	Analog	0.10	3

Quantitation Report

File Name	095SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 0:12
Sample Name	jb24613-8
Sample Type	Sample
Comment	13
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	31.699	ug/l	4.65	34,541.71	3.048E-02	Pulse	0.25	3
B	11	6	1	371.416	ug/l	1.57	379,890.77	3.352E-01	Pulse	0.15	3
Na	23	45	1	395718.567	ug/l	0.82	2,051,510,476.09	8.495E+02	Analog	0.10	3
Na	23	45	2	451197.439	ug/l	1.21	99,719,188.52	6.785E+02	Analog	0.20	3
Mg	24	45	1	97134.566	ug/l	0.23	334,283,781.69	1.384E+02	Analog	0.10	3
Mg	24	45	2	103127.453	ug/l	0.80	11,522,530.66	7.839E+01	Analog	0.20	3
Al	27	45	1	134229.517	ug/l	0.19	613,064,604.20	2.539E+02	Analog	0.10	3
Al	27	45	2	133913.405	ug/l	1.24	5,554,793.88	3.779E+01	Analog	0.20	3
K	39	45	1	10651.290	ug/l	0.70	63,883,365.72	2.645E+01	Analog	0.10	3
K	39	45	2	10570.030	ug/l	1.83	1,142,765.14	7.775E+00	Pulse	0.20	3
Ca	43	45	1	132607.815	ug/l	0.99	1,563,812.11	6.475E-01	Analog	1.50	3
Ca	43	45	2	130225.795	ug/l	1.27	46,284.58	3.149E-01	Pulse	1.50	3
Ca	44	45	1	134680.268	ug/l	0.50	25,770,297.12	1.067E+01	Analog	0.10	3
Ca	44	45	2	134153.792	ug/l	1.17	794,843.66	5.408E+00	Pulse	0.20	3
Ti	47	45	1	36.312	ug/l	2.02	21,160.93	8.763E-03	Pulse	0.10	3
Ti	47	45	2	34.869	ug/l	6.45	1,476.76	1.005E-02	Pulse	0.20	3
V	51	45	2	122.592	ug/l	1.68	146,256.12	9.951E-01	Pulse	0.20	3
Cr	52	45	2	59.211	ug/l	1.31	92,900.36	6.321E-01	Pulse	0.20	3
Mn	55	45	2	6165.816	ug/l	1.04	5,505,623.25	3.746E+01	Analog	0.20	3
Fe	56	45	2	269591.604	ug/l	1.16	333,716,808.36	2.271E+03	Analog	0.20	3
Co	59	45	2	221.387	ug/l	2.09	517,705.27	3.523E+00	Pulse	0.20	3
Ni	60	45	2	243.144	ug/l	2.08	149,871.11	1.020E+00	Pulse	0.20	3
Cu	63	45	2	2.647	ug/l	0.53	4,517.38	3.073E-02	Pulse	0.20	3
Cu	65	45	2	2.786	ug/l	3.84	2,318.54	1.577E-02	Pulse	0.20	3
Zn	66	45	2	303.896	ug/l	1.98	88,162.35	5.999E-01	Pulse	0.20	3
As	75	45	2	61.372	ug/l	2.09	10,931.72	7.438E-02	Pulse	0.50	3
Se	78	45	2	43.525	ug/l	3.20	779.35	5.303E-03	Pulse	1.00	3
Se	78	45	3	4.735	ug/l	1.87	276.33	1.003E-03	Pulse	1.00	3
Sr	88	45	1	1210.162	ug/l	1.61	16,277,945.18	6.739E+00	Analog	0.10	3
Mo	95	103	1	1.446	ug/l	6.12	3,357.15	9.379E-04	Pulse	0.10	3
Ag	107	115	1	0.019	ug/l	35.06	190.01	4.186E-05	Pulse	0.10	3
Cd	111	115	1	11.095	ug/l	1.04	15,276.84	3.372E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	11.731	ug/l	1.61	6,478.75	5.978E-03	Pulse	0.25	3
Sn	117	115	1	0.205	ug/l	13.05	346.69	7.657E-05	Pulse	0.10	3
Sn	118	115	1	0.218	ug/l	8.12	1,220.10	2.693E-04	Pulse	0.10	3
Sn	118	115	2	0.166	ug/l	60.30	266.68	2.459E-04	Pulse	0.10	3
Sn	119	115	1	0.254	ug/l	30.84	520.03	1.144E-04	Pulse	0.10	3
Sb	121	159	1	0.359	ug/l	8.57	1,903.53	2.178E-04	Pulse	0.10	3
Ba	137	159	1	17.549	ug/l	2.99	43,969.92	5.030E-03	Pulse	0.10	3
Tl	205	209	1	0.230	ug/l	7.22	3,570.59	7.696E-04	Pulse	0.10	3
Pb	208	209	1	12.618	ug/l	0.75	230,111.42	4.963E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,133,383.85	1.28	79.2	Analog	0.10	3
1	Sc	45	2,414,934.08	1.72	101.7	Analog	0.10	3
2	Sc	45	146,995.53	1.56	108.2	Pulse	0.10	3
3	Sc	45	275,564.59	0.89	116.1	Pulse	0.10	3
1	Ge	72	505,996.70	1.53	103.2	Pulse	0.10	3
2	Ge	72	99,422.79	0.67	123.2	Pulse	0.10	3
3	Ge	72	134,386.63	0.58	113.7	Pulse	0.10	3
1	Rh	103	3,577,075.16	2.74	100.1	Analog	0.10	3
2	Rh	103	2,287,762.88	1.21	103.5	Analog	0.10	3
1	In	115	4,531,281.08	2.24	111.3	Analog	0.10	3
2	In	115	1,083,744.56	0.23	104.0	Pulse	0.10	3
1	Tb	159	8,745,585.70	2.82	124.8	Analog	0.10	3
2	Tb	159	4,926,933.36	1.06	118.1	Analog	0.10	3
1	Ho	165	8,520,190.08	2.41	125.3	Analog	0.10	3
2	Ho	165	4,917,094.93	0.66	119.3	Analog	0.10	3
1	Bi	209	4,636,739.20	1.92	106.0	Analog	0.10	3
2	Bi	209	2,977,644.54	0.07	100.9	Analog	0.10	3

Quantitation Report

File Name	096SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 0:17
Sample Name	jb24613-9conf
Sample Type	Sample
Comment	14
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	1.275	ug/l	3.73	1,530.76	1.229E-03	Pulse	0.25	3
B	11	6	1	61.196	ug/l	0.41	69,602.31	5.589E-02	Pulse	0.15	3
Na	23	45	1	25840.507	ug/l	0.73	125,456,391.46	5.552E+01	Analog	0.10	3
Na	23	45	2	28645.772	ug/l	0.75	5,483,154.50	4.310E+01	Analog	0.20	3
Mg	24	45	1	8133.167	ug/l	0.95	26,191,422.11	1.159E+01	Analog	0.10	3
Mg	24	45	2	8431.095	ug/l	0.95	815,343.04	6.410E+00	Pulse	0.20	3
Al	27	45	1	7837.924	ug/l	1.11	33,499,785.33	1.483E+01	Analog	0.10	3
Al	27	45	2	7645.780	ug/l	1.34	274,512.09	2.158E+00	Pulse	0.20	3
K	39	45	1	3861.688	ug/l	1.70	22,018,215.51	9.744E+00	Analog	0.10	3
K	39	45	2	3839.648	ug/l	1.04	361,933.17	2.845E+00	Pulse	0.20	3
Ca	43	45	1	19097.065	ug/l	0.60	210,737.55	9.326E-02	Pulse	1.50	3
Ca	43	45	2	18466.424	ug/l	1.74	5,720.32	4.497E-02	Pulse	1.50	3
Ca	44	45	1	19946.056	ug/l	0.47	3,572,358.28	1.581E+00	Analog	0.10	3
Ca	44	45	2	19682.733	ug/l	0.36	100,945.12	7.935E-01	Pulse	0.20	3
Ti	47	45	1	10.047	ug/l	16.88	5,525.36	2.445E-03	Pulse	0.10	3
Ti	47	45	2	9.498	ug/l	16.58	348.34	2.738E-03	Pulse	0.20	3
V	51	45	2	1.895	ug/l	4.18	2,223.52	1.748E-02	Pulse	0.20	3
Cr	52	45	2	3.338	ug/l	3.65	5,414.33	4.257E-02	Pulse	0.20	3
Mn	55	45	2	893.554	ug/l	0.31	690,544.16	5.429E+00	Pulse	0.20	3
Fe	56	45	2	428.585	ug/l	0.91	460,868.13	3.623E+00	Pulse	0.20	3
Co	59	45	2	20.497	ug/l	0.32	41,505.86	3.263E-01	Pulse	0.20	3
Ni	60	45	2	26.886	ug/l	2.31	14,441.57	1.135E-01	Pulse	0.20	3
Cu	63	45	2	19.603	ug/l	2.13	28,291.20	2.224E-01	Pulse	0.20	3
Cu	65	45	2	19.697	ug/l	1.80	13,954.55	1.097E-01	Pulse	0.20	3
Zn	66	45	2	107.304	ug/l	1.24	26,967.43	2.120E-01	Pulse	0.20	3
As	75	45	2	2.445	ug/l	1.71	388.68	3.055E-03	Pulse	0.50	3
Se	78	45	2	3.419	ug/l	29.19	59.00	4.637E-04	Pulse	1.00	3
Se	78	45	3	0.665	ug/l	11.49	35.33	1.420E-04	Pulse	1.00	3
Sr	88	45	1	101.227	ug/l	1.28	1,274,143.86	5.639E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.096	ug/l	2.24	286.68	7.681E-05	Pulse	0.10	3
Ag	107	115	1	0.012	ug/l	90.64	150.01	3.267E-05	Pulse	0.10	3
Cd	111	115	1	39.029	ug/l	1.20	54,489.37	1.185E-02	Pulse	0.25	3
Cd	111	115	2	43.187	ug/l	1.85	23,199.81	2.200E-02	Pulse	0.25	3
Sn	117	115	1	0.191	ug/l	24.20	333.35	7.247E-05	Pulse	0.10	3
Sn	118	115	1	0.181	ug/l	13.00	1,073.41	2.336E-04	Pulse	0.10	3
Sn	118	115	2	0.276	ug/l	1.74	393.35	3.730E-04	Pulse	0.10	3
Sn	119	115	1	0.345	ug/l	20.74	670.04	1.458E-04	Pulse	0.10	3
Sb	121	159	1	1.250	ug/l	1.27	6,094.75	7.104E-04	Pulse	0.10	3
Ba	137	159	1	30.079	ug/l	2.18	73,490.64	8.567E-03	Pulse	0.10	3
Tl	205	209	1	0.149	ug/l	7.80	2,807.06	5.471E-04	Pulse	0.10	3
Pb	208	209	1	28.744	ug/l	0.60	579,187.51	1.129E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,245,289.66	0.09	87.0	Analog	0.10	3
1	Sc	45	2,259,585.12	0.43	95.1	Analog	0.10	3
2	Sc	45	127,207.39	0.27	93.7	Pulse	0.10	3
3	Sc	45	248,959.53	0.74	104.9	Pulse	0.10	3
1	Ge	72	483,075.96	0.61	98.5	Pulse	0.10	3
2	Ge	72	83,379.64	1.67	103.3	Pulse	0.10	3
3	Ge	72	129,458.19	0.45	109.5	Pulse	0.10	3
1	Rh	103	3,732,400.88	0.25	104.4	Analog	0.10	3
2	Rh	103	2,313,724.13	0.54	104.7	Analog	0.10	3
1	In	115	4,596,450.22	0.64	112.9	Analog	0.10	3
2	In	115	1,054,472.29	0.27	101.2	Pulse	0.10	3
1	Tb	159	8,578,708.42	0.72	122.4	Analog	0.10	3
2	Tb	159	4,787,184.72	0.56	114.8	Analog	0.10	3
1	Ho	165	8,377,359.04	0.57	123.2	Analog	0.10	3
2	Ho	165	4,848,247.22	0.61	117.6	Analog	0.10	3
1	Bi	209	5,129,464.71	0.76	117.2	Analog	0.10	3
2	Bi	209	3,348,819.22	0.76	113.4	Analog	0.10	3

Quantitation Report

File Name	097SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 0:22
Sample Name	jb24613-10conf
Sample Type	Sample
Comment	15
Prep Dilution	2.000
Auto Dilution	N/A
Total Dilution	2.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	4.424	ug/l	4.69	5,617.02	4.257E-03	Pulse	0.25	3
B	11	6	1	122.105	ug/l	0.79	146,104.54	1.107E-01	Pulse	0.15	3
Na	23	45	1	84059.527	ug/l	1.23	441,951,113.42	1.805E+02	Analog	0.10	3
Na	23	45	2	96402.641	ug/l	1.07	18,885,496.39	1.450E+02	Analog	0.20	3
Mg	24	45	1	10297.623	ug/l	0.92	35,934,656.97	1.468E+01	Analog	0.10	3
Mg	24	45	2	11135.504	ug/l	1.13	1,102,682.72	8.465E+00	Pulse	0.20	3
Al	27	45	1	4971.177	ug/l	0.95	23,025,868.83	9.404E+00	Analog	0.10	3
Al	27	45	2	5021.166	ug/l	1.22	184,616.04	1.417E+00	Pulse	0.20	3
K	39	45	1	1968.010	ug/l	0.87	12,449,264.81	5.084E+00	Analog	0.10	3
K	39	45	2	2016.961	ug/l	2.34	196,691.75	1.510E+00	Pulse	0.20	3
Ca	43	45	1	7896.733	ug/l	0.86	94,459.05	3.858E-02	Pulse	1.50	3
Ca	43	45	2	7861.817	ug/l	2.35	2,521.08	1.936E-02	Pulse	1.50	3
Ca	44	45	1	8406.509	ug/l	0.92	1,632,588.62	6.668E-01	Analog	0.10	3
Ca	44	45	2	8274.197	ug/l	2.17	43,461.86	3.337E-01	Pulse	0.20	3
Ti	47	45	1	3.469	ug/l	9.99	2,110.25	8.622E-04	Pulse	0.10	3
Ti	47	45	2	0.932	ug/l	14.72	35.00	2.688E-04	Pulse	0.20	3
V	51	45	2	2.307	ug/l	3.96	2,711.94	2.082E-02	Pulse	0.20	3
Cr	52	45	2	2.269	ug/l	2.19	4,075.59	3.129E-02	Pulse	0.20	3
Mn	55	45	2	576.506	ug/l	1.54	456,208.52	3.502E+00	Pulse	0.20	3
Fe	56	45	2	3773.837	ug/l	0.76	4,141,828.06	3.180E+01	Analog	0.20	3
Co	59	45	2	39.073	ug/l	1.86	81,001.33	6.219E-01	Pulse	0.20	3
Ni	60	45	2	49.449	ug/l	1.22	27,104.27	2.081E-01	Pulse	0.20	3
Cu	63	45	2	11.335	ug/l	1.65	16,795.45	1.289E-01	Pulse	0.20	3
Cu	65	45	2	11.314	ug/l	2.66	8,223.88	6.314E-02	Pulse	0.20	3
Zn	66	45	2	155.753	ug/l	1.17	40,065.90	3.076E-01	Pulse	0.20	3
As	75	45	2	1.198	ug/l	19.54	201.33	1.546E-03	Pulse	0.50	3
Se	78	45	2	1.973	ug/l	19.01	37.67	2.892E-04	Pulse	1.00	3
Se	78	45	3	0.620	ug/l	15.93	33.33	1.326E-04	Pulse	1.00	3
Sr	88	45	1	61.117	ug/l	1.25	833,712.57	3.405E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.040	ug/l	62.77	160.01	4.142E-05	Pulse	0.10	3
Ag	107	115	1	0.010	ug/l	73.24	143.34	3.029E-05	Pulse	0.10	3
Cd	111	115	1	35.775	ug/l	0.65	51,484.77	1.087E-02	Pulse	0.25	3
Cd	111	115	2	38.269	ug/l	1.49	20,598.96	1.950E-02	Pulse	0.25	3
Sn	117	115	1	0.141	ug/l	39.07	273.35	5.771E-05	Pulse	0.10	3
Sn	118	115	1	0.138	ug/l	10.78	916.74	1.936E-04	Pulse	0.10	3
Sn	118	115	2	0.204	ug/l	22.93	306.68	2.902E-04	Pulse	0.10	3
Sn	119	115	1	0.224	ug/l	18.39	493.36	1.041E-04	Pulse	0.10	3
Sb	121	159	1	0.254	ug/l	3.40	1,393.45	1.599E-04	Pulse	0.10	3
Ba	137	159	1	17.935	ug/l	0.89	44,788.88	5.139E-03	Pulse	0.10	3
Tl	205	209	1	0.299	ug/l	4.83	4,904.36	9.605E-04	Pulse	0.10	3
Pb	208	209	1	2.696	ug/l	1.86	54,591.41	1.069E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,319,430.93	0.34	92.2	Analog	0.10	3
1	Sc	45	2,448,652.26	0.86	103.1	Analog	0.10	3
2	Sc	45	130,261.81	0.46	95.9	Pulse	0.10	3
3	Sc	45	251,541.52	1.06	105.9	Pulse	0.10	3
1	Ge	72	513,967.41	1.15	104.9	Pulse	0.10	3
2	Ge	72	83,075.12	1.01	103.0	Pulse	0.10	3
3	Ge	72	127,537.10	1.02	107.9	Pulse	0.10	3
1	Rh	103	3,870,298.90	1.13	108.3	Analog	0.10	3
2	Rh	103	2,304,151.53	0.56	104.2	Analog	0.10	3
1	In	115	4,738,026.99	1.09	116.3	Analog	0.10	3
2	In	115	1,056,555.61	0.50	101.4	Pulse	0.10	3
1	Tb	159	8,715,429.03	0.38	124.3	Analog	0.10	3
2	Tb	159	4,734,963.16	0.19	113.5	Analog	0.10	3
1	Ho	165	8,485,416.12	0.85	124.8	Analog	0.10	3
2	Ho	165	4,776,619.93	0.83	115.9	Analog	0.10	3
1	Bi	209	5,106,118.78	0.08	116.7	Analog	0.10	3
2	Bi	209	3,274,874.53	0.48	110.9	Analog	0.10	3

Quantitation Report

File Name	098SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 0:27
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	48.918	ug/l	2.33	134,996.84	9.407E-02	Pulse	0.25	3
B	11	6	1	52.795	ug/l	1.97	137,570.25	9.586E-02	Pulse	0.15	3
Na	23	45	1	4588.120	ug/l	0.47	49,502,684.26	1.975E+01	Analog	0.10	3
Na	23	45	2	4814.965	ug/l	1.05	2,053,352.94	1.451E+01	Analog	0.20	3
Mg	24	45	1	4646.675	ug/l	1.05	33,198,173.67	1.324E+01	Analog	0.10	3
Mg	24	45	2	4547.494	ug/l	0.46	978,388.89	6.914E+00	Pulse	0.20	3
Al	27	45	1	4680.061	ug/l	1.08	44,374,432.67	1.770E+01	Analog	0.10	3
Al	27	45	2	4408.126	ug/l	1.24	352,097.33	2.488E+00	Pulse	0.20	3
K	39	45	1	4828.218	ug/l	1.47	60,162,789.10	2.400E+01	Analog	0.10	3
K	39	45	2	4651.153	ug/l	0.78	968,846.47	6.847E+00	Pulse	0.20	3
Ca	43	45	1	4817.503	ug/l	0.62	117,963.31	4.706E-02	Pulse	1.50	3
Ca	43	45	2	4736.258	ug/l	0.50	3,289.44	2.325E-02	Pulse	1.50	3
Ca	44	45	1	4950.214	ug/l	0.88	1,968,016.79	7.851E-01	Analog	0.10	3
Ca	44	45	2	4928.153	ug/l	0.61	56,241.43	3.974E-01	Pulse	0.20	3
Ti	47	45	1	46.551	ug/l	2.30	56,216.21	2.242E-02	Pulse	0.10	3
Ti	47	45	2	48.989	ug/l	2.32	3,997.23	2.825E-02	Pulse	0.20	3
V	51	45	2	52.281	ug/l	1.41	120,141.61	8.491E-01	Pulse	0.20	3
Cr	52	45	2	51.400	ug/l	1.20	154,519.31	1.092E+00	Pulse	0.20	3
Mn	55	45	2	50.357	ug/l	0.94	86,590.56	6.119E-01	Pulse	0.20	3
Fe	56	45	2	5024.661	ug/l	0.82	11,977,709.40	8.465E+01	Analog	0.20	3
Co	59	45	2	51.704	ug/l	0.82	232,837.51	1.645E+00	Pulse	0.20	3
Ni	60	45	2	50.536	ug/l	0.24	60,057.63	4.244E-01	Pulse	0.20	3
Cu	63	45	2	50.851	ug/l	0.46	162,790.28	1.150E+00	Pulse	0.20	3
Cu	65	45	2	51.003	ug/l	2.62	80,223.90	5.669E-01	Pulse	0.20	3
Zn	66	45	2	52.501	ug/l	1.05	29,354.85	2.075E-01	Pulse	0.20	3
As	75	45	2	53.958	ug/l	2.12	18,498.55	1.307E-01	Pulse	0.50	3
Se	78	45	2	52.834	ug/l	4.38	1,811.11	1.280E-02	Pulse	1.00	3
Se	78	45	3	52.507	ug/l	1.70	5,827.05	2.221E-02	Pulse	1.00	3
Sr	88	45	1	55.403	ug/l	1.31	1,546,980.24	6.172E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	47.551	ug/l	2.53	250,436.59	6.065E-02	Pulse	0.10	3
Ag	107	115	1	45.794	ug/l	0.76	578,405.56	1.162E-01	Pulse	0.10	3
Cd	111	115	1	47.872	ug/l	0.51	144,696.38	2.908E-02	Pulse	0.25	3
Cd	111	115	2	51.429	ug/l	1.37	59,329.36	5.240E-02	Pulse	0.25	3
Sn	117	115	1	48.485	ug/l	1.30	141,602.14	2.846E-02	Pulse	0.10	3
Sn	118	115	1	48.522	ug/l	0.21	458,886.67	9.222E-02	Pulse	0.10	3
Sn	118	115	2	52.405	ug/l	0.95	137,296.94	1.213E-01	Pulse	0.10	3
Sn	119	115	1	48.714	ug/l	2.24	167,042.68	3.357E-02	Pulse	0.10	3
Sb	121	159	1	55.891	ug/l	0.28	552,284.43	6.181E-02	Pulse	0.10	3
Ba	137	159	1	48.532	ug/l	0.14	245,504.15	2.748E-02	Pulse	0.10	3
Tl	205	209	1	53.360	ug/l	0.57	1,574,515.81	2.952E-01	Analog	0.10	3
Pb	208	209	1	49.322	ug/l	0.15	2,065,199.74	3.872E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,435,166.93	0.51	100.3	Analog	0.10	3
1	Sc	45	2,506,562.88	1.23	105.5	Analog	0.10	3
2	Sc	45	141,505.31	0.94	104.2	Pulse	0.10	3
3	Sc	45	262,360.25	1.41	110.5	Pulse	0.10	3
1	Ge	72	529,158.83	0.65	108.0	Pulse	0.10	3
2	Ge	72	89,697.03	1.66	111.2	Pulse	0.10	3
3	Ge	72	134,075.31	0.18	113.4	Pulse	0.10	3
1	Rh	103	4,128,914.21	0.09	115.5	Analog	0.10	3
2	Rh	103	2,491,521.89	1.02	112.7	Analog	0.10	3
1	In	115	4,976,135.93	0.53	122.2	Analog	0.10	3
2	In	115	1,132,261.47	0.48	108.7	Pulse	0.10	3
1	Tb	159	8,934,696.74	0.10	127.5	Analog	0.10	3
2	Tb	159	4,911,583.26	0.44	117.7	Analog	0.10	3
1	Ho	165	8,686,583.00	0.22	127.8	Analog	0.10	3
2	Ho	165	4,934,864.82	0.63	119.7	Analog	0.10	3
1	Bi	209	5,333,019.09	0.50	121.9	Analog	0.10	3
2	Bi	209	3,423,436.93	0.95	116.0	Analog	0.10	3

Quantitation Report

File Name	099SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 0:32
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.003	ug/l	127.32	13.33	9.052E-06	Pulse	0.25	3
B	11	6	1	3.050	ug/l	6.07	9,220.49	6.287E-03	Pulse	0.15	3
Na	23	45	1	6.112	ug/l	5.69	195,061.12	7.709E-02	Pulse	0.10	3
Na	23	45	2	8.835	ug/l	6.98	8,467.25	5.845E-02	Pulse	0.20	3
Mg	24	45	1	0.476	ug/l	10.99	6,118.05	2.419E-03	Pulse	0.10	3
Mg	24	45	2	0.452	ug/l	24.30	205.01	1.415E-03	Pulse	0.20	3
Al	27	45	1	0.269	ug/l	12.66	8,065.57	3.188E-03	Pulse	0.10	3
Al	27	45	2	0.446	ug/l	91.17	68.33	4.733E-04	Pulse	0.20	3
K	39	45	1	-1.706	ug/l	-0.82	589,717.62	2.331E-01	Pulse	0.10	3
K	39	45	2	2.107	ug/l	70.72	5,165.90	3.567E-02	Pulse	0.20	3
Ca	43	45	1	0.501	ug/l	36.69	64.67	2.556E-05	Pulse	1.50	3
Ca	43	45	2	-74.144	ug/l	-2.72	1.11	7.805E-06	Pulse	1.50	3
Ca	44	45	1	-1.425	ug/l	-15.97	1,366.78	5.404E-04	Pulse	0.10	3
Ca	44	45	2	-0.678	ug/l	-38.32	11.67	8.067E-05	Pulse	0.20	3
Ti	47	45	1	-0.008	ug/l	-286.78	60.00	2.365E-05	Pulse	0.10	3
Ti	47	45	2	0.101	ug/l	91.76	8.33	5.837E-05	Pulse	0.20	3
V	51	45	2	0.042	ug/l	25.14	406.68	2.806E-03	Pulse	0.20	3
Cr	52	45	2	0.071	ug/l	52.27	1,280.07	8.845E-03	Pulse	0.20	3
Mn	55	45	2	0.049	ug/l	34.97	91.67	6.358E-04	Pulse	0.20	3
Fe	56	45	2	1.023	ug/l	11.23	4,442.35	3.068E-02	Pulse	0.20	3
Co	59	45	2	0.002	ug/l	243.60	31.67	2.195E-04	Pulse	0.20	3
Ni	60	45	2	0.013	ug/l	165.76	140.00	9.662E-04	Pulse	0.20	3
Cu	63	45	2	-0.016	ug/l	-47.38	63.33	4.363E-04	Pulse	0.20	3
Cu	65	45	2	0.007	ug/l	119.10	53.33	3.679E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.021	ug/l	74.79	53.33	3.670E-04	Pulse	0.20	3
As	75	45	2	0.010	ug/l	45.02	17.33	1.198E-04	Pulse	0.50	3
Se	78	45	2	0.066	ug/l	223.20	9.67	6.716E-05	Pulse	1.00	3
Se	78	45	3	0.039	ug/l	37.73	5.00	1.811E-05	Pulse	1.00	3
Sr	88	45	1	0.010	ug/l	19.93	660.04	2.608E-04	Pulse	0.10	3
Mo	95	103	1	0.057	ug/l	5.72	380.02	8.878E-05	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	446.38	100.01	1.966E-05	Pulse	0.10	3
Cd	111	115	1	0.001	ug/l	276.16	13.33	2.621E-06	Pulse	0.25	3
Cd	111	115	2	-0.001	ug/l	-137.10	1.33	1.130E-06	Pulse	0.25	3
Sn	117	115	1	0.066	ug/l	27.27	280.01	5.508E-05	Pulse	0.10	3
Sn	118	115	1	0.075	ug/l	2.95	1,040.08	2.045E-04	Pulse	0.10	3
Sn	118	115	2	0.136	ug/l	5.88	433.36	3.686E-04	Pulse	0.10	3
Sn	119	115	1	0.090	ug/l	34.57	453.36	8.908E-05	Pulse	0.10	3
Sb	121	159	1	0.046	ug/l	10.83	626.70	6.972E-05	Pulse	0.10	3
Ba	137	159	1	0.051	ug/l	35.22	943.40	1.050E-04	Pulse	0.10	3
Tl	205	209	1	0.062	ug/l	12.67	2,640.34	4.786E-04	Pulse	0.10	3
Pb	208	209	1	0.000	ug/l	2822.98	613.36	1.112E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,466,507.49	0.90	102.5	Analog	0.10	3
1	Sc	45	2,530,221.11	0.77	106.5	Analog	0.10	3
2	Sc	45	144,920.43	2.50	106.7	Pulse	0.10	3
3	Sc	45	276,188.13	0.78	116.3	Pulse	0.10	3
1	Ge	72	542,235.50	0.39	110.6	Pulse	0.10	3
2	Ge	72	92,550.10	2.38	114.7	Pulse	0.10	3
3	Ge	72	141,413.09	0.39	119.6	Pulse	0.10	3
1	Rh	103	4,280,839.31	0.36	119.7	Analog	0.10	3
2	Rh	103	2,620,767.00	0.97	118.6	Analog	0.10	3
1	In	115	5,085,366.82	0.48	124.9	Analog	0.10	3
2	In	115	1,175,841.26	0.69	112.9	Pulse	0.10	3
1	Tb	159	8,988,621.74	0.15	128.2	Analog	0.10	3
2	Tb	159	4,980,666.90	0.33	119.4	Analog	0.10	3
1	Ho	165	8,660,150.70	0.03	127.4	Analog	0.10	3
2	Ho	165	4,990,709.09	0.28	121.1	Analog	0.10	3
1	Bi	209	5,517,783.46	0.49	126.1	Analog	0.10	3
2	Bi	209	3,583,279.43	1.37	121.4	Analog	0.10	3

Quantitation Report

File Name	100SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 0:37
Sample Name	Jb24613-6
Sample Type	Sample
Comment	16
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	55.404	ug/l	2.88	14,398.20	1.066E-02	Pulse	0.25	3
B	11	6	1	1570.165	ug/l	2.04	383,072.03	2.835E-01	Pulse	0.15	3
Na	23	45	1	348708.671	ug/l	0.66	394,084,287.46	1.498E+02	Analog	0.10	3
Na	23	45	2	383020.834	ug/l	2.34	17,049,792.66	1.152E+02	Analog	0.20	3
Mg	24	45	1	182734.944	ug/l	0.31	137,051,667.96	5.208E+01	Analog	0.10	3
Mg	24	45	2	189233.793	ug/l	1.74	4,257,841.08	2.877E+01	Analog	0.20	3
Al	27	45	1	521521.954	ug/l	0.15	519,110,592.26	1.973E+02	Analog	0.10	3
Al	27	45	2	521403.828	ug/l	2.25	4,355,216.92	2.943E+01	Analog	0.20	3
K	39	45	1	5744.633	ug/l	0.54	8,075,046.75	3.069E+00	Analog	0.10	3
K	39	45	2	5594.337	ug/l	2.76	126,101.94	8.522E-01	Pulse	0.20	3
Ca	43	45	1	191872.820	ug/l	0.32	493,103.91	1.874E-01	Pulse	1.50	3
Ca	43	45	2	187380.282	ug/l	1.97	13,450.06	9.089E-02	Pulse	1.50	3
Ca	44	45	1	196295.681	ug/l	0.57	8,186,594.67	3.111E+00	Analog	0.10	3
Ca	44	45	2	196173.329	ug/l	3.20	234,024.33	1.582E+00	Pulse	0.20	3
Ti	47	45	1	24.844	ug/l	8.34	3,220.46	1.223E-03	Pulse	0.10	3
Ti	47	45	2	25.603	ug/l	12.28	218.34	1.476E-03	Pulse	0.20	3
V	51	45	2	290.717	ug/l	1.35	70,020.82	4.731E-01	Pulse	0.20	3
Cr	52	45	2	178.169	ug/l	3.65	56,711.83	3.833E-01	Pulse	0.20	3
Mn	55	45	2	17093.388	ug/l	1.79	3,073,701.41	2.077E+01	Analog	0.20	3
Fe	56	45	2	287569.940	ug/l	2.53	71,678,902.26	4.844E+02	Analog	0.20	3
Co	59	45	2	614.898	ug/l	2.09	289,601.73	1.957E+00	Pulse	0.20	3
Ni	60	45	2	789.006	ug/l	1.83	97,994.68	6.621E-01	Pulse	0.20	3
Cu	63	45	2	10.541	ug/l	5.60	3,650.56	2.464E-02	Pulse	0.20	3
Cu	65	45	2	10.335	ug/l	7.15	1,741.79	1.178E-02	Pulse	0.20	3
Zn	66	45	2	2113.139	ug/l	2.18	123,440.19	8.341E-01	Pulse	0.20	3
As	75	45	2	71.744	ug/l	2.54	2,585.56	1.746E-02	Pulse	0.50	3
Se	78	45	2	71.671	ug/l	10.35	264.00	1.781E-03	Pulse	1.00	3
Se	78	45	3	8.444	ug/l	22.96	101.33	3.586E-04	Pulse	1.00	3
Sr	88	45	1	1122.184	ug/l	0.77	3,289,070.79	1.250E+00	Analog	0.10	3
Mo	95	103	1	0.446	ug/l	10.86	290.01	7.273E-05	Pulse	0.10	3
Ag	107	115	1	0.126	ug/l	16.59	243.34	5.015E-05	Pulse	0.10	3
Cd	111	115	1	35.590	ug/l	0.32	10,502.27	2.164E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	37.828	ug/l	1.48	4,376.67	3.856E-03	Pulse	0.25	3
Sn	117	115	1	0.716	ug/l	35.85	283.35	5.841E-05	Pulse	0.10	3
Sn	118	115	1	0.703	ug/l	11.14	950.07	1.958E-04	Pulse	0.10	3
Sn	118	115	2	1.036	ug/l	7.25	333.35	2.939E-04	Pulse	0.10	3
Sn	119	115	1	0.934	ug/l	18.91	443.36	9.133E-05	Pulse	0.10	3
Sb	121	159	1	2.007	ug/l	13.79	2,130.23	2.411E-04	Pulse	0.10	3
Ba	137	159	1	17.615	ug/l	4.30	9,456.54	1.071E-03	Pulse	0.10	3
Tl	205	209	1	0.315	ug/l	9.04	1,586.82	3.089E-04	Pulse	0.10	3
Pb	208	209	1	37.640	ug/l	1.00	152,318.63	2.966E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,351,106.82	0.55	94.4	Analog	0.10	3
1	Sc	45	2,631,455.90	1.46	110.8	Analog	0.10	3
2	Sc	45	148,037.53	2.50	109.0	Pulse	0.10	3
3	Sc	45	282,918.07	0.73	119.2	Pulse	0.10	3
1	Ge	72	538,932.54	0.56	109.9	Pulse	0.10	3
2	Ge	72	93,310.80	3.64	115.6	Pulse	0.10	3
3	Ge	72	136,746.23	1.43	115.7	Pulse	0.10	3
1	Rh	103	3,985,873.06	1.13	111.5	Analog	0.10	3
2	Rh	103	2,418,245.54	3.69	109.4	Analog	0.10	3
1	In	115	4,853,331.94	0.33	119.2	Analog	0.10	3
2	In	115	1,135,354.85	3.95	109.0	Pulse	0.10	3
1	Tb	159	8,833,978.20	0.45	126.0	Analog	0.10	3
2	Tb	159	4,882,261.91	3.24	117.0	Analog	0.10	3
1	Ho	165	8,662,036.96	0.42	127.4	Analog	0.10	3
2	Ho	165	4,883,171.70	4.25	118.5	Analog	0.10	3
1	Bi	209	5,136,178.05	0.95	117.4	Analog	0.10	3
2	Bi	209	3,238,924.22	3.83	109.7	Analog	0.10	3

Quantitation Report

File Name	101SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 0:43
Sample Name	MP68805-SD1
Sample Type	Sample
Comment	17
Prep Dilution	50.000
Auto Dilution	N/A
Total Dilution	50.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	57.108	ug/l	1.93	3,381.73	2.200E-03	Pulse	0.25	3
B	11	6	1	1656.465	ug/l	2.42	92,911.81	6.045E-02	Pulse	0.15	3
Na	23	45	1	371632.944	ug/l	0.88	88,019,515.35	3.196E+01	Analog	0.10	3
Na	23	45	2	384631.360	ug/l	1.12	3,675,465.88	2.317E+01	Analog	0.20	3
Mg	24	45	1	188901.965	ug/l	0.57	29,657,375.39	1.077E+01	Analog	0.10	3
Mg	24	45	2	183249.525	ug/l	1.67	884,123.76	5.573E+00	Pulse	0.20	3
Al	27	45	1	535020.615	ug/l	0.78	111,469,241.67	4.048E+01	Analog	0.10	3
Al	27	45	2	507044.570	ug/l	1.35	908,193.01	5.724E+00	Pulse	0.20	3
K	39	45	1	5723.937	ug/l	1.11	2,216,573.19	8.049E-01	Analog	0.10	3
K	39	45	2	5694.134	ug/l	1.63	31,641.87	1.994E-01	Pulse	0.20	3
Ca	43	45	1	195862.597	ug/l	0.92	105,399.15	3.827E-02	Pulse	1.50	3
Ca	43	45	2	185770.809	ug/l	0.85	2,905.81	1.831E-02	Pulse	1.50	3
Ca	44	45	1	202617.000	ug/l	0.83	1,770,345.65	6.429E-01	Analog	0.10	3
Ca	44	45	2	195235.262	ug/l	1.49	49,966.71	3.149E-01	Pulse	0.20	3
Ti	47	45	1	25.199	ug/l	15.18	743.38	2.702E-04	Pulse	0.10	3
Ti	47	45	2	9.994	ug/l	41.01	18.33	1.152E-04	Pulse	0.20	3
V	51	45	2	286.111	ug/l	3.43	15,048.74	9.483E-02	Pulse	0.20	3
Cr	52	45	2	216.038	ug/l	3.91	15,634.25	9.853E-02	Pulse	0.20	3
Mn	55	45	2	16647.997	ug/l	1.17	641,875.25	4.046E+00	Pulse	0.20	3
Fe	56	45	2	287235.337	ug/l	1.54	15,354,351.02	9.678E+01	Analog	0.20	3
Co	59	45	2	614.708	ug/l	1.06	62,098.46	3.914E-01	Pulse	0.20	3
Ni	60	45	2	812.180	ug/l	3.36	21,737.92	1.370E-01	Pulse	0.20	3
Cu	63	45	2	12.109	ug/l	10.43	996.71	6.284E-03	Pulse	0.20	3
Cu	65	45	2	11.006	ug/l	10.72	435.01	2.740E-03	Pulse	0.20	3
Zn	66	45	2	2312.401	ug/l	1.87	28,999.16	1.828E-01	Pulse	0.20	3
As	75	45	2	68.212	ug/l	3.14	539.34	3.398E-03	Pulse	0.50	3
Se	78	45	2	74.176	ug/l	21.88	65.00	4.091E-04	Pulse	1.00	3
Se	78	45	3	10.617	ug/l	24.14	26.67	9.122E-05	Pulse	1.00	3
Sr	88	45	1	1153.858	ug/l	0.96	708,238.17	2.572E-01	Pulse	0.10	3
Mo	95	103	1	0.815	ug/l	26.35	163.34	3.666E-05	Pulse	0.10	3
Ag	107	115	1	0.046	ug/l	344.23	110.00	2.043E-05	Pulse	0.10	3
Cd	111	115	1	36.499	ug/l	3.48	2,400.23	4.457E-04	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	36.678	ug/l	7.12	932.04	7.499E-04	Pulse	0.25	3
Sn	117	115	1	6.837	ug/l	25.32	520.03	9.660E-05	Pulse	0.10	3
Sn	118	115	1	7.014	ug/l	9.09	1,770.17	3.286E-04	Pulse	0.10	3
Sn	118	115	2	7.294	ug/l	27.49	486.70	3.917E-04	Pulse	0.10	3
Sn	119	115	1	9.859	ug/l	6.02	876.73	1.628E-04	Pulse	0.10	3
Sb	121	159	1	2.789	ug/l	7.85	753.38	8.092E-05	Pulse	0.10	3
Ba	137	159	1	18.700	ug/l	8.37	2,673.68	2.871E-04	Pulse	0.10	3
Tl	205	209	1	1.052	ug/l	6.62	1,393.46	2.511E-04	Pulse	0.10	3
Pb	208	209	1	37.393	ug/l	0.87	33,188.90	5.981E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,537,089.13	0.37	107.4	Analog	0.10	3
1	Sc	45	2,754,055.27	1.12	115.9	Analog	0.10	3
2	Sc	45	158,671.95	0.99	116.8	Pulse	0.10	3
3	Sc	45	292,766.47	0.96	123.3	Pulse	0.10	3
1	Ge	72	583,614.72	0.90	119.1	Pulse	0.10	3
2	Ge	72	101,804.19	0.44	126.2	Pulse	0.10	3
3	Ge	72	148,467.67	0.76	125.6	Pulse	0.10	3
1	Rh	103	4,453,128.27	0.47	124.6	Analog	0.10	3
2	Rh	103	2,719,785.48	0.52	123.1	Analog	0.10	3
1	In	115	5,385,623.47	0.38	132.3	Analog	0.10	3
2	In	115	1,243,259.08	0.66	119.3	Pulse	0.10	3
1	Tb	159	9,312,121.94	0.45	132.8	Analog	0.10	3
2	Tb	159	5,157,604.19	0.45	123.6	Analog	0.10	3
1	Ho	165	8,993,813.83	0.22	132.3	Analog	0.10	3
2	Ho	165	5,159,827.94	0.42	125.2	Analog	0.10	3
1	Bi	209	5,548,857.62	0.93	126.8	Analog	0.10	3
2	Bi	209	3,628,199.63	0.22	122.9	Analog	0.10	3

Quantitation Report

File Name	102SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 0:48
Sample Name	MP68805-S1
Sample Type	Sample
Comment	18
Prep Dilution	100.000
Auto Dilution	N/A
Total Dilution	100.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	104.945	ug/l	2.41	3,034.98	2.022E-03	Pulse	0.25	3
B	11	6	1	1970.554	ug/l	1.29	54,460.72	3.628E-02	Pulse	0.15	3
Na	23	45	1	410109.875	ug/l	0.13	47,342,835.96	1.766E+01	Analog	0.10	3
Na	23	45	2	430297.386	ug/l	0.19	1,973,524.35	1.297E+01	Analog	0.20	3
Mg	24	45	1	222208.555	ug/l	0.62	16,982,432.25	6.334E+00	Analog	0.10	3
Mg	24	45	2	218661.409	ug/l	0.63	505,865.68	3.325E+00	Pulse	0.20	3
Al	27	45	1	563357.452	ug/l	0.73	57,136,574.15	2.131E+01	Analog	0.10	3
Al	27	45	2	541279.480	ug/l	0.49	464,849.89	3.055E+00	Pulse	0.20	3
K	39	45	1	31047.220	ug/l	0.24	4,744,072.43	1.769E+00	Analog	0.10	3
K	39	45	2	30282.267	ug/l	1.39	72,452.93	4.762E-01	Pulse	0.20	3
Ca	43	45	1	230708.500	ug/l	0.61	60,455.47	2.255E-02	Pulse	1.50	3
Ca	43	45	2	218941.767	ug/l	1.97	1,664.75	1.094E-02	Pulse	1.50	3
Ca	44	45	1	235171.858	ug/l	0.35	1,001,079.83	3.734E-01	Pulse	0.10	3
Ca	44	45	2	231269.294	ug/l	3.40	28,386.10	1.866E-01	Pulse	0.20	3
Ti	47	45	1	25.008	ug/l	17.72	396.69	1.480E-04	Pulse	0.10	3
Ti	47	45	2	30.402	ug/l	10.97	26.67	1.753E-04	Pulse	0.20	3
V	51	45	2	823.307	ug/l	3.09	20,616.49	1.355E-01	Pulse	0.20	3
Cr	52	45	2	474.822	ug/l	0.76	16,361.66	1.075E-01	Pulse	0.20	3
Mn	55	45	2	18383.855	ug/l	0.67	339,835.71	2.234E+00	Pulse	0.20	3
Fe	56	45	2	310543.685	ug/l	0.65	7,960,106.34	5.232E+01	Analog	0.20	3
Co	59	45	2	1185.806	ug/l	1.56	57,433.28	3.775E-01	Pulse	0.20	3
Ni	60	45	2	1363.476	ug/l	2.34	17,516.21	1.151E-01	Pulse	0.20	3
Cu	63	45	2	275.042	ug/l	4.51	9,582.98	6.299E-02	Pulse	0.20	3
Cu	65	45	2	286.023	ug/l	2.77	4,879.15	3.207E-02	Pulse	0.20	3
Zn	66	45	2	3040.837	ug/l	1.94	18,298.83	1.203E-01	Pulse	0.20	3
As	75	45	2	2394.196	ug/l	1.77	8,832.43	5.806E-02	Pulse	0.50	3
Se	78	45	2	2129.598	ug/l	4.35	789.69	5.190E-03	Pulse	1.00	3
Se	78	45	3	2137.330	ug/l	4.05	2,548.88	9.042E-03	Pulse	1.00	3
Sr	88	45	1	1207.475	ug/l	0.42	360,970.93	1.346E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.369	ug/l	130.70	90.00	2.058E-05	Pulse	0.10	3
Ag	107	115	1	51.887	ug/l	0.96	6,968.51	1.335E-03	Pulse	0.10	3
Cd	111	115	1	85.518	ug/l	6.30	2,722.94	5.217E-04	Pulse	0.25	3
Cd	111	115	2	102.327	ug/l	2.29	1,268.07	1.045E-03	Pulse	0.25	3
Sn	117	115	1	2.533	ug/l	89.77	163.34	3.125E-05	Pulse	0.10	3
Sn	118	115	1	2.071	ug/l	52.83	530.03	1.015E-04	Pulse	0.10	3
Sn	118	115	2	5.385	ug/l	33.96	216.68	1.789E-04	Pulse	0.10	3
Sn	119	115	1	5.547	ug/l	45.97	340.02	6.518E-05	Pulse	0.10	3
Sb	121	159	1	607.127	ug/l	2.92	61,002.84	6.732E-03	Pulse	0.10	3
Ba	137	159	1	2032.801	ug/l	1.12	104,699.12	1.155E-02	Pulse	0.10	3
Tl	205	209	1	1821.610	ug/l	1.29	559,882.73	1.009E-01	Pulse	0.10	3
Pb	208	209	1	535.546	ug/l	0.87	233,912.64	4.215E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,501,261.34	0.56	104.9	Analog	0.10	3
1	Sc	45	2,681,053.29	0.54	112.9	Analog	0.10	3
2	Sc	45	152,136.93	0.15	112.0	Pulse	0.10	3
3	Sc	45	282,041.87	1.80	118.8	Pulse	0.10	3
1	Ge	72	570,661.27	0.15	116.4	Pulse	0.10	3
2	Ge	72	97,373.50	1.28	120.7	Pulse	0.10	3
3	Ge	72	143,567.15	1.88	121.4	Pulse	0.10	3
1	Rh	103	4,377,872.23	0.46	122.5	Analog	0.10	3
2	Rh	103	2,647,607.46	0.52	119.8	Analog	0.10	3
1	In	115	5,220,415.94	0.52	128.2	Analog	0.10	3
2	In	115	1,213,226.19	1.06	116.4	Pulse	0.10	3
1	Tb	159	9,062,529.03	0.38	129.3	Analog	0.10	3
2	Tb	159	5,077,230.96	0.53	121.7	Analog	0.10	3
1	Ho	165	8,851,814.03	0.23	130.2	Analog	0.10	3
2	Ho	165	5,068,594.71	0.48	123.0	Analog	0.10	3
1	Bi	209	5,549,930.33	0.73	126.9	Analog	0.10	3
2	Bi	209	3,594,914.74	0.85	121.8	Analog	0.10	3

Quantitation Report

File Name	103SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 0:53
Sample Name	MP68805-S2
Sample Type	Sample
Comment	19
Prep Dilution	100.000
Auto Dilution	N/A
Total Dilution	100.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	111.008	ug/l	3.87	3,187.01	2.138E-03	Pulse	0.25	3
B	11	6	1	1899.920	ug/l	1.49	52,178.22	3.501E-02	Pulse	0.15	3
Na	23	45	1	417181.554	ug/l	0.69	47,234,157.63	1.796E+01	Analog	0.10	3
Na	23	45	2	432786.659	ug/l	0.73	1,963,057.94	1.305E+01	Analog	0.20	3
Mg	24	45	1	224013.515	ug/l	0.82	16,792,586.00	6.386E+00	Analog	0.10	3
Mg	24	45	2	218191.881	ug/l	0.93	499,219.42	3.318E+00	Pulse	0.20	3
Al	27	45	1	569728.770	ug/l	0.83	56,675,855.82	2.155E+01	Analog	0.10	3
Al	27	45	2	540004.428	ug/l	0.48	458,646.48	3.048E+00	Pulse	0.20	3
K	39	45	1	31458.909	ug/l	1.07	4,706,516.39	1.790E+00	Analog	0.10	3
K	39	45	2	30204.289	ug/l	2.67	71,482.20	4.751E-01	Pulse	0.20	3
Ca	43	45	1	233491.892	ug/l	0.38	60,012.81	2.282E-02	Pulse	1.50	3
Ca	43	45	2	220723.824	ug/l	2.08	1,659.42	1.103E-02	Pulse	1.50	3
Ca	44	45	1	235547.929	ug/l	0.50	983,463.48	3.740E-01	Pulse	0.10	3
Ca	44	45	2	232492.914	ug/l	0.52	28,222.53	1.876E-01	Pulse	0.20	3
Ti	47	45	1	32.974	ug/l	17.43	490.03	1.864E-04	Pulse	0.10	3
Ti	47	45	2	40.334	ug/l	14.08	35.00	2.326E-04	Pulse	0.20	3
V	51	45	2	819.996	ug/l	2.16	20,307.72	1.350E-01	Pulse	0.20	3
Cr	52	45	2	456.737	ug/l	1.15	15,607.57	1.037E-01	Pulse	0.20	3
Mn	55	45	2	18433.616	ug/l	1.36	336,998.90	2.240E+00	Pulse	0.20	3
Fe	56	45	2	310751.376	ug/l	0.38	7,877,706.34	5.236E+01	Analog	0.20	3
Co	59	45	2	1166.262	ug/l	1.48	55,864.63	3.713E-01	Pulse	0.20	3
Ni	60	45	2	1403.330	ug/l	1.27	17,826.54	1.185E-01	Pulse	0.20	3
Cu	63	45	2	288.388	ug/l	3.54	9,931.53	6.601E-02	Pulse	0.20	3
Cu	65	45	2	295.939	ug/l	3.92	4,990.85	3.317E-02	Pulse	0.20	3
Zn	66	45	2	2988.609	ug/l	2.92	17,786.59	1.182E-01	Pulse	0.20	3
As	75	45	2	2143.631	ug/l	0.81	7,822.59	5.199E-02	Pulse	0.50	3
Se	78	45	2	2080.957	ug/l	5.06	763.35	5.073E-03	Pulse	1.00	3
Se	78	45	3	1991.409	ug/l	0.63	2,348.18	8.424E-03	Pulse	1.00	3
Sr	88	45	1	1217.083	ug/l	0.58	356,865.94	1.357E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	6.318	ug/l	23.09	416.69	9.644E-05	Pulse	0.10	3
Ag	107	115	1	52.808	ug/l	9.48	6,995.19	1.358E-03	Pulse	0.10	3
Cd	111	115	1	87.401	ug/l	3.81	2,745.61	5.331E-04	Pulse	0.25	3
Cd	111	115	2	99.895	ug/l	3.29	1,230.74	1.020E-03	Pulse	0.25	3
Sn	117	115	1	91.662	ug/l	2.64	2,853.71	5.541E-04	Pulse	0.10	3
Sn	118	115	1	90.911	ug/l	6.05	9,213.07	1.789E-03	Pulse	0.10	3
Sn	118	115	2	90.489	ug/l	6.71	2,590.32	2.147E-03	Pulse	0.10	3
Sn	119	115	1	92.231	ug/l	4.93	3,410.51	6.621E-04	Pulse	0.10	3
Sb	121	159	1	617.571	ug/l	0.42	61,564.63	6.847E-03	Pulse	0.10	3
Ba	137	159	1	2039.525	ug/l	2.18	104,218.47	1.159E-02	Pulse	0.10	3
Tl	205	209	1	1904.269	ug/l	2.53	574,730.10	1.054E-01	Pulse	0.10	3
Pb	208	209	1	540.388	ug/l	1.18	231,781.86	4.253E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,490,492.19	0.40	104.1	Analog	0.10	3
1	Sc	45	2,629,664.44	0.26	110.7	Analog	0.10	3
2	Sc	45	150,462.63	0.21	110.8	Pulse	0.10	3
3	Sc	45	278,736.35	2.05	117.4	Pulse	0.10	3
1	Ge	72	560,087.32	0.50	114.3	Pulse	0.10	3
2	Ge	72	97,416.99	0.49	120.7	Pulse	0.10	3
3	Ge	72	139,644.71	1.19	118.1	Pulse	0.10	3
1	Rh	103	4,319,507.23	0.45	120.8	Analog	0.10	3
2	Rh	103	2,632,006.73	0.31	119.1	Analog	0.10	3
1	In	115	5,150,391.56	0.47	126.5	Analog	0.10	3
2	In	115	1,206,288.38	0.33	115.8	Pulse	0.10	3
1	Tb	159	8,991,105.08	0.24	128.3	Analog	0.10	3
2	Tb	159	5,045,110.03	1.50	120.9	Analog	0.10	3
1	Ho	165	8,693,974.04	0.37	127.9	Analog	0.10	3
2	Ho	165	5,009,531.49	0.83	121.5	Analog	0.10	3
1	Bi	209	5,450,252.63	0.79	124.6	Analog	0.10	3
2	Bi	209	3,549,925.36	0.43	120.3	Analog	0.10	3

Quantitation Report

File Name	104SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 0:58
Sample Name	JB24613-6
Sample Type	Sample
Comment	20
Prep Dilution	100.000
Auto Dilution	N/A
Total Dilution	100.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	55.129	ug/l	10.82	1,594.77	1.064E-03	Pulse	0.25	3
B	11	6	1	1773.770	ug/l	0.54	49,073.25	3.273E-02	Pulse	0.15	3
Na	23	45	1	368882.913	ug/l	0.32	42,292,521.04	1.589E+01	Analog	0.10	3
Na	23	45	2	385759.424	ug/l	1.13	1,758,512.47	1.163E+01	Analog	0.20	3
Mg	24	45	1	188684.883	ug/l	1.00	14,317,900.62	5.379E+00	Analog	0.10	3
Mg	24	45	2	184199.196	ug/l	1.56	423,443.90	2.801E+00	Pulse	0.20	3
Al	27	45	1	533927.821	ug/l	0.77	53,765,122.53	2.020E+01	Analog	0.10	3
Al	27	45	2	507931.502	ug/l	1.50	433,432.44	2.867E+00	Pulse	0.20	3
K	39	45	1	5565.216	ug/l	0.86	1,371,828.47	5.154E-01	Analog	0.10	3
K	39	45	2	5611.758	ug/l	7.15	17,352.57	1.148E-01	Pulse	0.20	3
Ca	43	45	1	194216.412	ug/l	0.77	50,538.74	1.899E-02	Pulse	1.50	3
Ca	43	45	2	182656.317	ug/l	2.34	1,389.40	9.190E-03	Pulse	1.50	3
Ca	44	45	1	197392.414	ug/l	0.41	834,576.26	3.135E-01	Pulse	0.10	3
Ca	44	45	2	196318.321	ug/l	0.74	23,947.55	1.584E-01	Pulse	0.20	3
Ti	47	45	1	22.348	ug/l	10.35	360.02	1.352E-04	Pulse	0.10	3
Ti	47	45	2	34.462	ug/l	33.92	30.00	1.987E-04	Pulse	0.20	3
V	51	45	2	288.200	ug/l	2.02	7,380.14	4.882E-02	Pulse	0.20	3
Cr	52	45	2	225.264	ug/l	1.03	8,297.26	5.488E-02	Pulse	0.20	3
Mn	55	45	2	16906.412	ug/l	0.29	310,547.78	2.054E+00	Pulse	0.20	3
Fe	56	45	2	293528.407	ug/l	0.75	7,476,323.85	4.946E+01	Analog	0.20	3
Co	59	45	2	623.442	ug/l	0.51	30,015.99	1.986E-01	Pulse	0.20	3
Ni	60	45	2	830.732	ug/l	3.08	10,656.95	7.049E-02	Pulse	0.20	3
Cu	63	45	2	17.974	ug/l	5.13	736.70	4.872E-03	Pulse	0.20	3
Cu	65	45	2	15.409	ug/l	6.77	303.34	2.007E-03	Pulse	0.20	3
Zn	66	45	2	2347.804	ug/l	1.86	14,047.90	9.293E-02	Pulse	0.20	3
As	75	45	2	80.030	ug/l	6.57	307.34	2.033E-03	Pulse	0.50	3
Se	78	45	2	79.235	ug/l	25.48	36.67	2.423E-04	Pulse	1.00	3
Se	78	45	3	12.197	ug/l	56.58	14.67	5.300E-05	Pulse	1.00	3
Sr	88	45	1	1131.817	ug/l	1.06	335,956.30	1.262E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	5.101	ug/l	25.10	350.02	8.092E-05	Pulse	0.10	3
Ag	107	115	1	0.175	ug/l	91.13	116.67	2.252E-05	Pulse	0.10	3
Cd	111	115	1	36.772	ug/l	4.83	1,169.40	2.256E-04	Pulse	0.25	3
Cd	111	115	2	37.784	ug/l	10.55	469.35	3.875E-04	Pulse	0.25	3
Sn	117	115	1	29.893	ug/l	15.67	993.41	1.917E-04	Pulse	0.10	3
Sn	118	115	1	28.732	ug/l	2.18	3,150.45	6.079E-04	Pulse	0.10	3
Sn	118	115	2	31.709	ug/l	22.93	953.40	7.877E-04	Pulse	0.10	3
Sn	119	115	1	33.723	ug/l	7.18	1,343.46	2.592E-04	Pulse	0.10	3
Sb	121	159	1	5.864	ug/l	11.75	753.38	8.408E-05	Pulse	0.10	3
Ba	137	159	1	23.117	ug/l	4.20	1,850.19	2.065E-04	Pulse	0.10	3
Tl	205	209	1	19.137	ug/l	5.27	6,475.01	1.193E-03	Pulse	0.10	3
Pb	208	209	1	38.523	ug/l	4.41	17,007.87	3.135E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,499,136.21	0.30	104.7	Analog	0.10	3
1	Sc	45	2,661,856.11	0.18	112.1	Analog	0.10	3
2	Sc	45	151,177.17	0.63	111.3	Pulse	0.10	3
3	Sc	45	276,486.09	1.36	116.4	Pulse	0.10	3
1	Ge	72	566,600.96	0.16	115.6	Pulse	0.10	3
2	Ge	72	96,294.04	0.72	119.3	Pulse	0.10	3
3	Ge	72	142,605.97	0.25	120.6	Pulse	0.10	3
1	Rh	103	4,326,608.06	0.17	121.0	Analog	0.10	3
2	Rh	103	2,632,894.81	0.64	119.1	Analog	0.10	3
1	In	115	5,182,414.04	0.36	127.3	Analog	0.10	3
2	In	115	1,210,995.57	0.41	116.2	Pulse	0.10	3
1	Tb	159	8,961,024.03	0.25	127.8	Analog	0.10	3
2	Tb	159	5,026,606.18	0.27	120.5	Analog	0.10	3
1	Ho	165	8,746,137.16	0.45	128.6	Analog	0.10	3
2	Ho	165	4,983,084.51	0.54	120.9	Analog	0.10	3
1	Bi	209	5,426,252.83	0.61	124.0	Analog	0.10	3
2	Bi	209	3,547,665.47	0.20	120.2	Analog	0.10	3

Quantitation Report

File Name	105SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 1:03
Sample Name	MP68805-SD1
Sample Type	Sample
Comment	21
Prep Dilution	500.000
Auto Dilution	N/A
Total Dilution	500.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	54.764	ug/l	7.55	332.01	2.143E-04	Pulse	0.25	3
B	11	6	1	2523.014	ug/l	0.89	15,300.52	9.881E-03	Pulse	0.15	3
Na	23	45	1	376488.626	ug/l	0.41	9,182,606.53	3.284E+00	Analog	0.10	3
Na	23	45	2	359113.637	ug/l	7.60	362,619.21	2.192E+00	Pulse	0.20	3
Mg	24	45	1	191049.853	ug/l	0.70	3,048,555.37	1.090E+00	Analog	0.10	3
Mg	24	45	2	178310.308	ug/l	7.19	89,833.55	5.429E-01	Pulse	0.20	3
Al	27	45	1	541121.574	ug/l	0.71	11,453,603.16	4.096E+00	Analog	0.10	3
Al	27	45	2	496970.532	ug/l	8.81	92,795.21	5.612E-01	Pulse	0.20	3
K	39	45	1	2990.700	ug/l	6.64	757,555.12	2.709E-01	Pulse	0.10	3
K	39	45	2	6026.082	ug/l	26.22	8,308.88	5.024E-02	Pulse	0.20	3
Ca	43	45	1	198107.852	ug/l	0.66	10,877.31	3.890E-03	Pulse	1.50	3
Ca	43	45	2	148521.891	ug/l	7.16	298.22	1.801E-03	Pulse	1.50	3
Ca	44	45	1	198285.974	ug/l	0.77	177,855.80	6.360E-02	Pulse	0.10	3
Ca	44	45	2	186490.267	ug/l	7.45	5,000.85	3.021E-02	Pulse	0.20	3
Ti	47	45	1	19.472	ug/l	31.01	130.01	4.646E-05	Pulse	0.10	3
Ti	47	45	2	33.347	ug/l	109.47	6.67	3.846E-05	Pulse	0.20	3
V	51	45	2	247.614	ug/l	17.19	1,675.12	1.016E-02	Pulse	0.20	3
Cr	52	45	2	578.399	ug/l	2.53	5,269.29	3.176E-02	Pulse	0.20	3
Mn	55	45	2	16113.499	ug/l	8.35	64,761.58	3.916E-01	Pulse	0.20	3
Fe	56	45	2	265426.294	ug/l	7.10	1,481,874.14	8.955E+00	Analog	0.20	3
Co	59	45	2	591.334	ug/l	8.04	6,251.30	3.779E-02	Pulse	0.20	3
Ni	60	45	2	780.349	ug/l	12.42	2,301.87	1.394E-02	Pulse	0.20	3
Cu	63	45	2	13.637	ug/l	33.50	235.01	1.425E-03	Pulse	0.20	3
Cu	65	45	2	22.156	ug/l	20.36	130.00	7.873E-04	Pulse	0.20	3
Zn	66	45	2	2431.727	ug/l	12.20	3,215.38	1.948E-02	Pulse	0.20	3
As	75	45	2	51.527	ug/l	0.29	57.33	3.453E-04	Pulse	0.50	3
Se	78	45	2	85.453	ug/l	26.87	15.33	9.236E-05	Pulse	1.00	3
Se	78	45	3	16.073	ug/l	52.80	4.33	1.501E-05	Pulse	1.00	3
Sr	88	45	1	1132.077	ug/l	1.30	70,947.43	2.537E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	1.823	ug/l	318.18	93.34	2.052E-05	Pulse	0.10	3
Ag	107	115	1	0.983	ug/l	107.65	123.34	2.306E-05	Pulse	0.10	3
Cd	111	115	1	29.914	ug/l	21.62	206.67	3.863E-05	Pulse	0.25	3
Cd	111	115	2	41.374	ug/l	29.74	113.33	8.686E-05	Pulse	0.25	3
Sn	117	115	1	10.470	ug/l	31.34	153.34	2.867E-05	Pulse	0.10	3
Sn	118	115	1	9.882	ug/l	27.40	533.36	9.974E-05	Pulse	0.10	3
Sn	118	115	2	16.341	ug/l	61.00	170.01	1.299E-04	Pulse	0.10	3
Sn	119	115	1	26.572	ug/l	33.57	340.01	6.359E-05	Pulse	0.10	3
Sb	121	159	1	12.817	ug/l	18.05	430.02	4.759E-05	Pulse	0.10	3
Ba	137	159	1	32.066	ug/l	16.62	1,013.42	1.122E-04	Pulse	0.10	3
Tl	205	209	1	39.675	ug/l	7.17	3,087.12	5.736E-04	Pulse	0.10	3
Pb	208	209	1	40.050	ug/l	0.81	3,983.71	7.397E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,548,611.37	0.83	108.2	Analog	0.10	3
1	Sc	45	2,796,511.42	0.96	117.7	Analog	0.10	3
2	Sc	45	166,050.51	7.33	122.3	Pulse	0.10	3
3	Sc	45	288,614.87	0.49	121.6	Pulse	0.10	3
1	Ge	72	584,130.38	1.69	119.2	Pulse	0.10	3
2	Ge	72	102,862.12	4.39	127.5	Pulse	0.10	3
3	Ge	72	146,288.15	0.27	123.7	Pulse	0.10	3
1	Rh	103	4,530,281.50	0.85	126.7	Analog	0.10	3
2	Rh	103	2,866,253.91	6.95	129.7	Analog	0.10	3
1	In	115	5,347,295.99	0.44	131.3	Analog	0.10	3
2	In	115	1,324,782.47	7.93	127.1	Mix	0.10	3
1	Tb	159	9,035,944.87	0.54	128.9	Analog	0.10	3
2	Tb	159	5,328,713.98	7.75	127.7	Analog	0.10	3
1	Ho	165	8,846,417.37	1.08	130.1	Analog	0.10	3
2	Ho	165	5,290,507.73	7.27	128.3	Analog	0.10	3
1	Bi	209	5,385,292.42	2.04	123.1	Analog	0.10	3
2	Bi	209	3,769,252.03	5.56	127.7	Analog	0.10	3

Quantitation Report

File Name	106SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 1:08
Sample Name	JB24613-4
Sample Type	Sample
Comment	22
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	8.685	ug/l	5.91	1,017.38	6.717E-04	Pulse	0.25	3
B	11	6	1	74.401	ug/l	4.27	9,318.33	6.153E-03	Pulse	0.15	3
Na	23	45	1	43067.302	ug/l	0.89	19,769,440.96	7.447E+00	Analog	0.10	3
Na	23	45	2	43108.114	ug/l	3.44	779,670.38	5.217E+00	Pulse	0.20	3
Mg	24	45	1	21910.249	ug/l	0.52	6,634,034.28	2.499E+00	Analog	0.10	3
Mg	24	45	2	21546.662	ug/l	2.66	195,934.16	1.311E+00	Pulse	0.20	3
Al	27	45	1	25077.017	ug/l	1.14	10,078,068.39	3.796E+00	Analog	0.10	3
Al	27	45	2	24152.972	ug/l	3.03	81,529.25	5.455E-01	Pulse	0.20	3
K	39	45	1	1237.588	ug/l	3.43	1,287,830.17	4.851E-01	Mix	0.10	3
K	39	45	2	1341.277	ug/l	4.90	16,616.88	1.112E-01	Pulse	0.20	3
Ca	43	45	1	55330.092	ug/l	0.99	57,428.27	2.163E-02	Pulse	1.50	3
Ca	43	45	2	51539.909	ug/l	2.50	1,543.19	1.033E-02	Pulse	1.50	3
Ca	44	45	1	55955.205	ug/l	0.73	943,495.04	3.554E-01	Pulse	0.10	3
Ca	44	45	2	55740.972	ug/l	3.47	26,882.01	1.799E-01	Pulse	0.20	3
Ti	47	45	1	1.496	ug/l	59.97	150.01	5.651E-05	Pulse	0.10	3
Ti	47	45	2	0.476	ug/l	173.21	1.67	1.098E-05	Pulse	0.20	3
V	51	45	2	1.949	ug/l	41.04	506.69	3.395E-03	Pulse	0.20	3
Cr	52	45	2	25.875	ug/l	7.92	4,365.68	2.919E-02	Pulse	0.20	3
Mn	55	45	2	4616.532	ug/l	2.84	335,320.63	2.244E+00	Pulse	0.20	3
Fe	56	45	2	237.081	ug/l	3.05	25,882.29	1.732E-01	Pulse	0.20	3
Co	59	45	2	126.627	ug/l	3.21	24,111.23	1.613E-01	Pulse	0.20	3
Ni	60	45	2	44.753	ug/l	7.35	2,370.21	1.586E-02	Pulse	0.20	3
Cu	63	45	2	24.846	ug/l	2.79	3,480.43	2.328E-02	Pulse	0.20	3
Cu	65	45	2	25.861	ug/l	6.71	1,761.80	1.179E-02	Pulse	0.20	3
Zn	66	45	2	175.439	ug/l	0.12	4,182.29	2.798E-02	Pulse	0.20	3
As	75	45	2	3.349	ug/l	26.19	62.67	4.201E-04	Pulse	0.50	3
Se	78	45	2	9.466	ug/l	27.87	21.33	1.425E-04	Pulse	1.00	3
Se	78	45	3	1.465	ug/l	50.04	7.33	2.619E-05	Pulse	1.00	3
Sr	88	45	1	283.885	ug/l	0.67	336,157.21	1.266E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.037	ug/l	906.82	76.67	1.776E-05	Pulse	0.10	3
Ag	107	115	1	0.009	ug/l	458.97	96.67	1.894E-05	Pulse	0.10	3
Cd	111	115	1	77.026	ug/l	1.60	9,556.35	1.874E-03	Pulse	0.25	3
Cd	111	115	2	81.165	ug/l	0.61	3,988.56	3.310E-03	Pulse	0.25	3
Sn	117	115	1	0.249	ug/l	70.66	113.34	2.222E-05	Pulse	0.10	3
Sn	118	115	1	0.298	ug/l	93.96	433.36	8.487E-05	Pulse	0.10	3
Sn	118	115	2	0.395	ug/l	135.94	110.01	9.085E-05	Pulse	0.10	3
Sn	119	115	1	2.033	ug/l	4.13	423.36	8.300E-05	Pulse	0.10	3
Sb	121	159	1	0.797	ug/l	27.49	480.03	5.448E-05	Pulse	0.10	3
Ba	137	159	1	22.282	ug/l	5.62	5,101.06	5.792E-04	Pulse	0.10	3
Tl	205	209	1	0.909	ug/l	22.10	1,816.85	3.359E-04	Pulse	0.10	3
Pb	208	209	1	0.657	ug/l	8.93	1,716.78	3.174E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,514,791.12	1.02	105.8	Analog	0.10	3
1	Sc	45	2,654,763.71	0.51	111.8	Analog	0.10	3
2	Sc	45	149,496.57	1.75	110.1	Pulse	0.10	3
3	Sc	45	279,167.65	1.76	117.6	Pulse	0.10	3
1	Ge	72	563,635.19	0.33	115.0	Pulse	0.10	3
2	Ge	72	95,657.16	1.83	118.5	Pulse	0.10	3
3	Ge	72	139,426.35	0.86	117.9	Pulse	0.10	3
1	Rh	103	4,327,128.16	0.36	121.0	Analog	0.10	3
2	Rh	103	2,646,223.09	0.63	119.7	Analog	0.10	3
1	In	115	5,100,868.34	0.64	125.3	Analog	0.10	3
2	In	115	1,205,007.40	1.35	115.7	Pulse	0.10	3
1	Tb	159	8,807,936.33	0.34	125.6	Analog	0.10	3
2	Tb	159	5,004,472.32	0.39	120.0	Analog	0.10	3
1	Ho	165	8,573,785.08	0.23	126.1	Analog	0.10	3
2	Ho	165	4,965,981.70	0.43	120.5	Analog	0.10	3
1	Bi	209	5,410,067.21	0.29	123.7	Analog	0.10	3
2	Bi	209	3,562,612.97	1.07	120.7	Analog	0.10	3

Quantitation Report

File Name	107SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 1:13
Sample Name	JB24613-5
Sample Type	Sample
Comment	23
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	4.727	ug/l	4.44	1,366.74	9.127E-04	Pulse	0.25	3
B	11	6	1	81.705	ug/l	1.16	23,216.31	1.551E-02	Pulse	0.15	3
Na	23	45	1	191269.032	ug/l	1.13	221,454,516.70	8.217E+01	Analog	0.10	3
Na	23	45	2	201246.005	ug/l	3.86	9,308,002.36	6.055E+01	Analog	0.20	3
Mg	24	45	1	68773.461	ug/l	0.51	52,832,480.88	1.960E+01	Analog	0.10	3
Mg	24	45	2	72066.469	ug/l	4.60	1,683,978.72	1.096E+01	Analog	0.20	3
Al	27	45	1	513.118	ug/l	0.73	528,954.34	1.963E-01	Pulse	0.10	3
Al	27	45	2	529.301	ug/l	3.36	4,635.74	3.010E-02	Pulse	0.20	3
K	39	45	1	3175.839	ug/l	0.16	4,863,389.30	1.804E+00	Analog	0.10	3
K	39	45	2	3142.154	ug/l	3.91	75,779.47	4.929E-01	Pulse	0.20	3
Ca	43	45	1	106816.559	ug/l	0.96	281,178.99	1.043E-01	Pulse	1.50	3
Ca	43	45	2	105434.919	ug/l	4.35	7,884.75	5.130E-02	Pulse	1.50	3
Ca	44	45	1	110498.831	ug/l	0.80	4,720,843.99	1.752E+00	Analog	0.10	3
Ca	44	45	2	108740.632	ug/l	4.66	134,752.18	8.768E-01	Pulse	0.20	3
Ti	47	45	1	1.300	ug/l	11.40	243.34	9.026E-05	Pulse	0.10	3
Ti	47	45	2	0.191	ug/l	173.21	1.67	1.102E-05	Pulse	0.20	3
V	51	45	2	0.430	ug/l	68.46	433.35	2.829E-03	Pulse	0.20	3
Cr	52	45	2	8.094	ug/l	10.09	3,752.17	2.443E-02	Pulse	0.20	3
Mn	55	45	2	1203.269	ug/l	3.70	224,755.61	1.462E+00	Pulse	0.20	3
Fe	56	45	2	9604.484	ug/l	4.45	2,488,557.77	1.619E+01	Analog	0.20	3
Co	59	45	2	28.902	ug/l	3.39	14,169.65	9.213E-02	Pulse	0.20	3
Ni	60	45	2	33.599	ug/l	3.20	4,469.02	2.902E-02	Pulse	0.20	3
Cu	63	45	2	0.195	ug/l	45.51	191.67	1.250E-03	Pulse	0.20	3
Cu	65	45	2	0.448	ug/l	19.33	121.67	7.932E-04	Pulse	0.20	3
Zn	66	45	2	36.632	ug/l	4.38	2,268.54	1.474E-02	Pulse	0.20	3
As	75	45	2	2.745	ug/l	13.07	117.33	7.603E-04	Pulse	0.50	3
Se	78	45	2	9.553	ug/l	1.08	43.33	2.816E-04	Pulse	1.00	3
Se	78	45	3	0.725	ug/l	11.62	9.00	3.209E-05	Pulse	1.00	3
Sr	88	45	1	897.067	ug/l	0.86	2,693,229.44	9.993E-01	Analog	0.10	3
Mo	95	103	1	0.993	ug/l	27.78	606.70	1.425E-04	Pulse	0.10	3
Ag	107	115	1	-0.002	ug/l	-699.17	90.00	1.751E-05	Pulse	0.10	3
Cd	111	115	1	0.120	ug/l	36.43	49.33	9.577E-06	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.150	ug/l	48.06	21.33	1.783E-05	Pulse	0.25	3
Sn	117	115	1	0.460	ug/l	20.81	223.34	4.337E-05	Pulse	0.10	3
Sn	118	115	1	0.270	ug/l	23.63	583.37	1.135E-04	Pulse	0.10	3
Sn	118	115	2	0.493	ug/l	6.67	203.34	1.684E-04	Pulse	0.10	3
Sn	119	115	1	0.370	ug/l	21.76	270.01	5.246E-05	Pulse	0.10	3
Sb	121	159	1	0.284	ug/l	19.61	450.03	5.070E-05	Pulse	0.10	3
Ba	137	159	1	22.626	ug/l	4.24	12,011.74	1.353E-03	Pulse	0.10	3
Tl	205	209	1	0.268	ug/l	19.92	1,493.48	2.827E-04	Pulse	0.10	3
Pb	208	209	1	0.545	ug/l	16.28	2,843.56	5.386E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,497,158.22	0.74	104.6	Analog	0.10	3
1	Sc	45	2,695,139.54	0.85	113.5	Analog	0.10	3
2	Sc	45	153,882.95	4.13	113.3	Pulse	0.10	3
3	Sc	45	280,424.00	0.14	118.1	Pulse	0.10	3
1	Ge	72	565,531.02	1.00	115.4	Pulse	0.10	3
2	Ge	72	96,154.49	3.69	119.2	Pulse	0.10	3
3	Ge	72	143,161.59	0.56	121.1	Pulse	0.10	3
1	Rh	103	4,259,508.48	1.41	119.1	Analog	0.10	3
2	Rh	103	2,594,541.21	3.64	117.4	Analog	0.10	3
1	In	115	5,145,747.80	1.23	126.4	Analog	0.10	3
2	In	115	1,206,741.46	3.18	115.8	Pulse	0.10	3
1	Tb	159	8,875,333.62	0.21	126.6	Analog	0.10	3
2	Tb	159	5,009,085.44	3.63	120.1	Analog	0.10	3
1	Ho	165	8,649,366.96	0.62	127.2	Analog	0.10	3
2	Ho	165	5,026,247.22	3.79	121.9	Analog	0.10	3
1	Bi	209	5,281,125.34	0.49	120.7	Analog	0.10	3
2	Bi	209	3,451,597.14	3.14	116.9	Analog	0.10	3

Quantitation Report

File Name	108SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 1:19
Sample Name	JB24613-7
Sample Type	Sample
Comment	24
Prep Dilution	100.000
Auto Dilution	N/A
Total Dilution	100.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	3.266	ug/l	7.57	100.00	6.653E-05	Pulse	0.25	3
B	11	6	1	312.964	ug/l	3.50	9,665.18	6.430E-03	Pulse	0.15	3
Na	23	45	1	850537.265	ug/l	1.08	96,339,188.56	3.657E+01	Analog	0.10	3
Na	23	45	2	868660.196	ug/l	0.23	3,962,955.05	2.615E+01	Analog	0.20	3
Mg	24	45	1	284285.014	ug/l	1.57	21,348,855.52	8.104E+00	Analog	0.10	3
Mg	24	45	2	269021.018	ug/l	0.51	619,820.06	4.091E+00	Pulse	0.20	3
Al	27	45	1	132.733	ug/l	3.13	18,941.31	7.190E-03	Pulse	0.10	3
Al	27	45	2	144.045	ug/l	24.88	156.67	1.034E-03	Pulse	0.20	3
K	39	45	1	1503.702	ug/l	3.68	831,122.67	3.155E-01	Pulse	0.10	3
K	39	45	2	1582.739	ug/l	12.37	8,450.61	5.577E-02	Pulse	0.20	3
Ca	43	45	1	362308.158	ug/l	0.62	93,265.72	3.540E-02	Pulse	1.50	3
Ca	43	45	2	334917.033	ug/l	4.17	2,507.08	1.655E-02	Pulse	1.50	3
Ca	44	45	1	372083.143	ug/l	0.73	1,555,343.31	5.903E-01	Analog	0.10	3
Ca	44	45	2	361317.973	ug/l	0.75	44,157.08	2.914E-01	Pulse	0.20	3
Ti	47	45	1	6.567	ug/l	57.91	156.68	5.932E-05	Pulse	0.10	3
Ti	47	45	2	15.292	ug/l	108.48	13.33	8.817E-05	Pulse	0.20	3
V	51	45	2	-2.434	ug/l	-43.59	263.34	1.738E-03	Pulse	0.20	3
Cr	52	45	2	63.021	ug/l	3.41	3,128.69	2.065E-02	Pulse	0.20	3
Mn	55	45	2	26048.611	ug/l	0.75	479,560.66	3.165E+00	Pulse	0.20	3
Fe	56	45	2	47263.466	ug/l	1.01	1,208,314.04	7.975E+00	Pulse	0.20	3
Co	59	45	2	197.619	ug/l	1.66	9,552.94	6.305E-02	Pulse	0.20	3
Ni	60	45	2	112.969	ug/l	6.96	1,565.10	1.033E-02	Pulse	0.20	3
Cu	63	45	2	1.191	ug/l	26.78	163.33	1.078E-03	Pulse	0.20	3
Cu	65	45	2	2.095	ug/l	36.82	80.00	5.278E-04	Pulse	0.20	3
Zn	66	45	2	26.808	ug/l	7.44	203.34	1.342E-03	Pulse	0.20	3
As	75	45	2	-0.504	ug/l	-225.91	12.67	8.361E-05	Pulse	0.50	3
Se	78	45	2	9.811	ug/l	32.12	11.33	7.480E-05	Pulse	1.00	3
Se	78	45	3	1.938	ug/l	67.37	2.67	9.604E-06	Pulse	1.00	3
Sr	88	45	1	2554.568	ug/l	0.53	750,002.28	2.847E-01	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.717	ug/l	29.99	106.67	2.502E-05	Pulse	0.10	3
Ag	107	115	1	0.220	ug/l	303.24	120.01	2.365E-05	Pulse	0.10	3
Cd	111	115	1	0.010	ug/l	1255.29	12.00	2.357E-06	Pulse	0.25	3
Cd	111	115	2	-0.140	ug/l	-136.88	1.33	1.129E-06	Pulse	0.25	3
Sn	117	115	1	0.550	ug/l	101.82	100.01	1.962E-05	Pulse	0.10	3
Sn	118	115	1	0.444	ug/l	188.92	360.02	7.064E-05	Pulse	0.10	3
Sn	118	115	2	1.762	ug/l	94.80	113.34	9.510E-05	Pulse	0.10	3
Sn	119	115	1	2.170	ug/l	67.18	213.34	4.193E-05	Pulse	0.10	3
Sb	121	159	1	2.014	ug/l	40.40	363.35	4.152E-05	Pulse	0.10	3
Ba	137	159	1	26.329	ug/l	9.71	1,966.87	2.246E-04	Pulse	0.10	3
Tl	205	209	1	1.980	ug/l	7.72	1,306.78	2.442E-04	Pulse	0.10	3
Pb	208	209	1	1.190	ug/l	13.73	1,093.40	2.043E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,503,277.34	0.40	105.0	Analog	0.10	3
1	Sc	45	2,634,721.89	1.31	110.9	Analog	0.10	3
2	Sc	45	151,518.69	0.33	111.6	Pulse	0.10	3
3	Sc	45	278,457.78	1.13	117.3	Pulse	0.10	3
1	Ge	72	558,549.18	0.22	113.9	Pulse	0.10	3
2	Ge	72	94,564.06	1.45	117.2	Pulse	0.10	3
3	Ge	72	141,078.84	1.49	119.3	Pulse	0.10	3
1	Rh	103	4,264,261.08	0.51	119.3	Analog	0.10	3
2	Rh	103	2,600,044.39	0.07	117.6	Analog	0.10	3
1	In	115	5,094,124.36	1.15	125.1	Analog	0.10	3
2	In	115	1,191,186.52	0.97	114.3	Pulse	0.10	3
1	Tb	159	8,756,518.62	0.67	124.9	Analog	0.10	3
2	Tb	159	4,972,586.90	0.34	119.2	Analog	0.10	3
1	Ho	165	8,542,944.46	0.44	125.7	Analog	0.10	3
2	Ho	165	4,961,630.34	0.57	120.4	Analog	0.10	3
1	Bi	209	5,349,877.01	0.55	122.3	Analog	0.10	3
2	Bi	209	3,510,453.49	0.85	118.9	Analog	0.10	3

Quantitation Report

File Name	109SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 1:24
Sample Name	JB24613-8
Sample Type	Sample
Comment	25
Prep Dilution	25.000
Auto Dilution	N/A
Total Dilution	25.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	35.799	ug/l	4.94	3,903.16	2.757E-03	Pulse	0.25	3
B	11	6	1	421.346	ug/l	2.17	44,079.75	3.114E-02	Pulse	0.15	3
Na	23	45	1	524248.949	ug/l	1.78	221,973,963.36	9.008E+01	Analog	0.10	3
Na	23	45	2	541350.227	ug/l	0.96	9,730,395.06	6.515E+01	Analog	0.20	3
Mg	24	45	1	123105.172	ug/l	1.87	34,584,341.98	1.404E+01	Analog	0.10	3
Mg	24	45	2	121145.875	ug/l	0.29	1,100,440.32	7.368E+00	Pulse	0.20	3
Al	27	45	1	165599.757	ug/l	1.95	61,742,794.08	2.506E+01	Analog	0.10	3
Al	27	45	2	158723.802	ug/l	0.77	535,265.68	3.584E+00	Pulse	0.20	3
K	39	45	1	13051.653	ug/l	1.46	6,926,327.81	2.811E+00	Analog	0.10	3
K	39	45	2	12681.153	ug/l	0.67	115,862.97	7.757E-01	Pulse	0.20	3
Ca	43	45	1	161307.359	ug/l	1.18	155,301.65	6.303E-02	Pulse	1.50	3
Ca	43	45	2	154873.050	ug/l	1.53	4,524.18	3.029E-02	Pulse	1.50	3
Ca	44	45	1	165298.533	ug/l	0.58	2,583,381.68	1.048E+00	Analog	0.10	3
Ca	44	45	2	159173.009	ug/l	0.31	76,687.34	5.134E-01	Pulse	0.20	3
Ti	47	45	1	46.680	ug/l	11.06	2,280.25	9.260E-04	Pulse	0.10	3
Ti	47	45	2	34.883	ug/l	29.68	120.00	8.045E-04	Pulse	0.20	3
V	51	45	2	142.533	ug/l	2.85	14,112.93	9.449E-02	Pulse	0.20	3
Cr	52	45	2	90.497	ug/l	3.42	12,506.59	8.374E-02	Pulse	0.20	3
Mn	55	45	2	7315.846	ug/l	0.22	531,061.66	3.556E+00	Pulse	0.20	3
Fe	56	45	2	331706.635	ug/l	0.98	33,381,882.84	2.235E+02	Analog	0.20	3
Co	59	45	2	267.505	ug/l	1.12	50,878.48	3.407E-01	Pulse	0.20	3
Ni	60	45	2	303.299	ug/l	0.60	15,315.74	1.025E-01	Pulse	0.20	3
Cu	63	45	2	4.136	ug/l	19.95	680.03	4.549E-03	Pulse	0.20	3
Cu	65	45	2	3.728	ug/l	12.14	291.68	1.952E-03	Pulse	0.20	3
Zn	66	45	2	426.842	ug/l	0.94	10,104.94	6.766E-02	Pulse	0.20	3
As	75	45	2	82.134	ug/l	2.97	1,202.05	8.049E-03	Pulse	0.50	3
Se	78	45	2	52.566	ug/l	25.18	83.33	5.585E-04	Pulse	1.00	3
Se	78	45	3	5.603	ug/l	6.45	27.00	9.621E-05	Pulse	1.00	3
Sr	88	45	1	1435.521	ug/l	1.64	1,576,216.12	6.397E-01	Analog	0.10	3
Mo	95	103	1	1.386	ug/l	11.39	336.68	8.655E-05	Pulse	0.10	3
Ag	107	115	1	-0.033	ug/l	-108.41	70.00	1.469E-05	Pulse	0.10	3
Cd	111	115	1	13.551	ug/l	13.35	1,580.11	3.315E-04	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	14.325	ug/l	0.97	682.69	5.863E-04	Pulse	0.25	3
Sn	117	115	1	-0.103	ug/l	-278.46	66.67	1.398E-05	Pulse	0.10	3
Sn	118	115	1	0.065	ug/l	112.39	320.02	6.713E-05	Pulse	0.10	3
Sn	118	115	2	0.248	ug/l	98.52	90.00	7.726E-05	Pulse	0.10	3
Sn	119	115	1	-0.142	ug/l	-266.85	110.01	2.307E-05	Pulse	0.10	3
Sb	121	159	1	0.821	ug/l	54.97	470.03	5.556E-05	Pulse	0.10	3
Ba	137	159	1	22.618	ug/l	3.26	4,970.97	5.868E-04	Pulse	0.10	3
Tl	205	209	1	0.542	ug/l	27.23	1,300.12	2.546E-04	Pulse	0.10	3
Pb	208	209	1	14.060	ug/l	2.31	23,114.65	4.525E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,415,372.21	0.45	98.9	Analog	0.10	3
1	Sc	45	2,464,111.37	1.04	103.7	Analog	0.10	3
2	Sc	45	149,358.46	0.84	110.0	Pulse	0.10	3
3	Sc	45	280,628.66	0.14	118.2	Pulse	0.10	3
1	Ge	72	514,018.22	0.23	104.9	Pulse	0.10	3
2	Ge	72	94,279.25	0.59	116.8	Pulse	0.10	3
3	Ge	72	137,947.87	1.21	116.7	Pulse	0.10	3
1	Rh	103	3,890,862.34	0.54	108.8	Analog	0.10	3
2	Rh	103	2,508,974.81	0.78	113.5	Analog	0.10	3
1	In	115	4,766,809.82	0.22	117.1	Analog	0.10	3
2	In	115	1,164,383.18	0.33	111.8	Pulse	0.10	3
1	Tb	159	8,471,469.67	0.94	120.8	Analog	0.10	3
2	Tb	159	4,914,596.80	0.56	117.8	Analog	0.10	3
1	Ho	165	8,301,868.63	1.01	122.1	Analog	0.10	3
2	Ho	165	4,933,094.09	0.40	119.7	Analog	0.10	3
1	Bi	209	5,108,116.49	0.67	116.8	Analog	0.10	3
2	Bi	209	3,429,280.37	0.01	116.2	Analog	0.10	3

Quantitation Report

File Name	110SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 1:29
Sample Name	CCVA
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	48.122	ug/l	1.22	134,329.01	9.254E-02	Pulse	0.25	3
B	11	6	1	51.292	ug/l	2.48	135,218.60	9.316E-02	Pulse	0.15	3
Na	23	45	1	4626.074	ug/l	1.12	50,751,374.24	1.991E+01	Analog	0.10	3
Na	23	45	2	4793.471	ug/l	0.93	2,063,697.57	1.445E+01	Analog	0.20	3
Mg	24	45	1	4716.939	ug/l	1.39	34,267,696.16	1.345E+01	Analog	0.10	3
Mg	24	45	2	4570.516	ug/l	0.93	992,708.45	6.949E+00	Pulse	0.20	3
Al	27	45	1	4719.205	ug/l	1.06	45,501,932.66	1.785E+01	Analog	0.10	3
Al	27	45	2	4526.591	ug/l	1.41	364,994.82	2.555E+00	Pulse	0.20	3
K	39	45	1	4924.948	ug/l	1.16	62,394,219.07	2.448E+01	Analog	0.10	3
K	39	45	2	4742.354	ug/l	0.55	997,154.75	6.980E+00	Pulse	0.20	3
Ca	43	45	1	4902.421	ug/l	0.70	122,068.72	4.789E-02	Pulse	1.50	3
Ca	43	45	2	4749.365	ug/l	1.67	3,330.12	2.331E-02	Pulse	1.50	3
Ca	44	45	1	5014.134	ug/l	1.26	2,026,880.91	7.952E-01	Analog	0.10	3
Ca	44	45	2	5046.696	ug/l	1.04	58,139.66	4.070E-01	Pulse	0.20	3
Ti	47	45	1	47.626	ug/l	3.53	58,470.96	2.294E-02	Pulse	0.10	3
Ti	47	45	2	50.141	ug/l	4.75	4,130.60	2.891E-02	Pulse	0.20	3
V	51	45	2	53.041	ug/l	0.95	123,048.92	8.614E-01	Pulse	0.20	3
Cr	52	45	2	52.768	ug/l	1.38	160,102.89	1.121E+00	Pulse	0.20	3
Mn	55	45	2	51.178	ug/l	0.88	88,830.72	6.219E-01	Pulse	0.20	3
Fe	56	45	2	5082.500	ug/l	1.17	12,230,683.15	8.562E+01	Analog	0.20	3
Co	59	45	2	51.783	ug/l	0.82	235,417.94	1.648E+00	Pulse	0.20	3
Ni	60	45	2	51.037	ug/l	1.03	61,225.43	4.286E-01	Pulse	0.20	3
Cu	63	45	2	50.432	ug/l	1.42	162,977.41	1.141E+00	Pulse	0.20	3
Cu	65	45	2	50.632	ug/l	0.63	80,394.34	5.628E-01	Pulse	0.20	3
Zn	66	45	2	52.617	ug/l	0.79	29,700.61	2.079E-01	Pulse	0.20	3
As	75	45	2	55.144	ug/l	1.11	19,085.24	1.336E-01	Pulse	0.50	3
Se	78	45	2	52.632	ug/l	3.18	1,821.44	1.275E-02	Pulse	1.00	3
Se	78	45	3	53.088	ug/l	1.17	5,874.08	2.246E-02	Pulse	1.00	3
Sr	88	45	1	54.451	ug/l	1.41	1,546,095.08	6.066E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	47.630	ug/l	2.03	251,073.27	6.076E-02	Pulse	0.10	3
Ag	107	115	1	46.022	ug/l	0.39	578,756.18	1.168E-01	Pulse	0.10	3
Cd	111	115	1	47.408	ug/l	0.53	142,665.60	2.880E-02	Pulse	0.25	3
Cd	111	115	2	51.578	ug/l	1.76	59,647.74	5.255E-02	Pulse	0.25	3
Sn	117	115	1	48.460	ug/l	0.60	140,911.45	2.844E-02	Pulse	0.10	3
Sn	118	115	1	48.305	ug/l	0.95	454,832.14	9.180E-02	Pulse	0.10	3
Sn	118	115	2	52.678	ug/l	1.60	138,374.96	1.219E-01	Pulse	0.10	3
Sn	119	115	1	48.135	ug/l	1.30	164,354.91	3.317E-02	Pulse	0.10	3
Sb	121	159	1	56.959	ug/l	0.96	544,906.09	6.300E-02	Pulse	0.10	3
Ba	137	159	1	49.508	ug/l	2.04	242,447.97	2.803E-02	Pulse	0.10	3
Tl	205	209	1	53.130	ug/l	1.14	1,516,461.96	2.940E-01	Analog	0.10	3
Pb	208	209	1	49.243	ug/l	0.60	1,994,485.59	3.866E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,451,631.12	0.48	101.4	Analog	0.10	3
1	Sc	45	2,548,794.96	0.33	107.3	Analog	0.10	3
2	Sc	45	142,853.10	0.94	105.2	Pulse	0.10	3
3	Sc	45	261,597.57	1.04	110.2	Pulse	0.10	3
1	Ge	72	535,980.07	1.08	109.3	Pulse	0.10	3
2	Ge	72	89,734.20	0.64	111.2	Pulse	0.10	3
3	Ge	72	134,709.67	0.42	113.9	Pulse	0.10	3
1	Rh	103	4,132,458.38	0.27	115.6	Analog	0.10	3
2	Rh	103	2,518,951.21	0.59	114.0	Analog	0.10	3
1	In	115	4,954,439.46	0.36	121.7	Analog	0.10	3
2	In	115	1,135,166.17	0.68	108.9	Pulse	0.10	3
1	Tb	159	8,650,085.08	0.27	123.4	Analog	0.10	3
2	Tb	159	4,858,526.08	0.14	116.5	Analog	0.10	3
1	Ho	165	8,431,943.00	0.12	124.0	Analog	0.10	3
2	Ho	165	4,877,717.32	0.72	118.3	Analog	0.10	3
1	Bi	209	5,158,742.11	0.51	117.9	Analog	0.10	3
2	Bi	209	3,366,259.33	0.17	114.0	Analog	0.10	3

Quantitation Report

File Name	111SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 1:34
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.001	ug/l	154.87	8.00	5.533E-06	Pulse	0.25	3
B	11	6	1	2.017	ug/l	5.77	6,412.45	4.427E-03	Pulse	0.15	3
Na	23	45	1	1.492	ug/l	7.76	144,952.07	5.726E-02	Pulse	0.10	3
Na	23	45	2	4.507	ug/l	12.16	6,544.75	4.544E-02	Pulse	0.20	3
Mg	24	45	1	0.022	ug/l	140.81	2,847.03	1.125E-03	Pulse	0.10	3
Mg	24	45	2	-0.030	ug/l	-445.25	98.33	6.825E-04	Pulse	0.20	3
Al	27	45	1	0.017	ug/l	275.37	5,651.15	2.232E-03	Pulse	0.10	3
Al	27	45	2	0.079	ug/l	397.52	38.33	2.658E-04	Pulse	0.20	3
K	39	45	1	-0.670	ug/l	-51.80	602,956.63	2.382E-01	Pulse	0.10	3
K	39	45	2	0.989	ug/l	93.79	4,902.49	3.403E-02	Pulse	0.20	3
Ca	43	45	1	0.140	ug/l	152.52	55.78	2.203E-05	Pulse	1.50	3
Ca	43	45	2	-72.550	ug/l	-2.78	2.22	1.550E-05	Pulse	1.50	3
Ca	44	45	1	-2.325	ug/l	-8.56	1,006.74	3.978E-04	Pulse	0.10	3
Ca	44	45	2	-0.102	ug/l	-229.95	18.33	1.271E-04	Pulse	0.20	3
Ti	47	45	1	-0.025	ug/l	-86.66	40.00	1.577E-05	Pulse	0.10	3
Ti	47	45	2	0.040	ug/l	173.21	3.33	2.311E-05	Pulse	0.20	3
V	51	45	2	-0.016	ug/l	-162.82	270.01	1.872E-03	Pulse	0.20	3
Cr	52	45	2	0.332	ug/l	12.26	2,068.52	1.436E-02	Pulse	0.20	3
Mn	55	45	2	0.018	ug/l	81.06	36.67	2.557E-04	Pulse	0.20	3
Fe	56	45	2	0.826	ug/l	4.13	3,938.89	2.735E-02	Pulse	0.20	3
Co	59	45	2	-0.001	ug/l	-329.53	20.00	1.383E-04	Pulse	0.20	3
Ni	60	45	2	-0.009	ug/l	-125.41	113.33	7.871E-04	Pulse	0.20	3
Cu	63	45	2	-0.006	ug/l	-133.70	98.33	6.819E-04	Pulse	0.20	3
Cu	65	45	2	0.005	ug/l	354.21	50.00	3.467E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	-0.005	ug/l	-659.64	38.33	2.658E-04	Pulse	0.20	3
As	75	45	2	0.004	ug/l	540.08	15.33	1.060E-04	Pulse	0.50	3
Se	78	45	2	-0.020	ug/l	-589.51	6.67	4.625E-05	Pulse	1.00	3
Se	78	45	3	0.022	ug/l	20.28	2.67	1.060E-05	Pulse	1.00	3
Sr	88	45	1	0.003	ug/l	96.28	483.36	1.908E-04	Pulse	0.10	3
Mo	95	103	1	0.060	ug/l	44.52	393.35	9.285E-05	Pulse	0.10	3
Ag	107	115	1	0.001	ug/l	99.99	100.00	2.004E-05	Pulse	0.10	3
Cd	111	115	1	0.002	ug/l	232.27	16.00	3.206E-06	Pulse	0.25	3
Cd	111	115	2	0.006	ug/l	109.09	10.67	9.010E-06	Pulse	0.25	3
Sn	117	115	1	0.076	ug/l	2.41	303.35	6.079E-05	Pulse	0.10	3
Sn	118	115	1	0.088	ug/l	13.01	1,143.42	2.292E-04	Pulse	0.10	3
Sn	118	115	2	0.120	ug/l	15.31	393.35	3.321E-04	Pulse	0.10	3
Sn	119	115	1	0.061	ug/l	60.80	343.35	6.883E-05	Pulse	0.10	3
Sb	121	159	1	0.050	ug/l	47.02	650.04	7.500E-05	Pulse	0.10	3
Ba	137	159	1	0.023	ug/l	13.29	773.38	8.919E-05	Pulse	0.10	3
Tl	205	209	1	0.078	ug/l	12.14	3,000.41	5.639E-04	Pulse	0.10	3
Pb	208	209	1	0.001	ug/l	101.97	626.70	1.178E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,448,449.14	0.57	101.2	Analog	0.10	3
1	Sc	45	2,531,631.26	0.51	106.6	Analog	0.10	3
2	Sc	45	144,059.80	1.17	106.1	Pulse	0.10	3
3	Sc	45	250,360.56	6.00	105.4	Pulse	0.10	3
1	Ge	72	539,398.26	0.75	110.0	Pulse	0.10	3
2	Ge	72	91,453.21	0.39	113.3	Pulse	0.10	3
3	Ge	72	126,593.92	6.31	107.1	Pulse	0.10	3
1	Rh	103	4,235,272.23	0.26	118.5	Analog	0.10	3
2	Rh	103	2,576,010.85	0.36	116.5	Analog	0.10	3
1	In	115	4,989,659.55	0.19	122.5	Analog	0.10	3
2	In	115	1,184,461.27	0.13	113.7	Pulse	0.10	3
1	Tb	159	8,670,839.87	0.21	123.7	Analog	0.10	3
2	Tb	159	4,902,456.38	0.43	117.5	Analog	0.10	3
1	Ho	165	8,459,036.54	0.20	124.4	Analog	0.10	3
2	Ho	165	4,863,689.93	0.18	118.0	Analog	0.10	3
1	Bi	209	5,319,292.42	0.56	121.6	Analog	0.10	3
2	Bi	209	3,467,852.66	0.52	117.5	Analog	0.10	3

Quantitation Report

File Name	112SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 1:39
Sample Name	SAMPLECONF
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.463	ug/l	5.29	1,290.73	8.941E-04	Pulse	0.25	3
B	11	6	1	5.942	ug/l	7.77	16,581.80	1.149E-02	Pulse	0.15	3
Na	23	45	1	233.543	ug/l	0.71	2,679,903.40	1.054E+00	Analog	0.10	3
Na	23	45	2	235.097	ug/l	2.07	106,123.20	7.389E-01	Pulse	0.20	3
Mg	24	45	1	238.549	ug/l	0.98	1,732,176.38	6.810E-01	Analog	0.10	3
Mg	24	45	2	231.961	ug/l	0.61	50,756.19	3.534E-01	Pulse	0.20	3
Al	27	45	1	22.933	ug/l	1.64	226,166.51	8.891E-02	Pulse	0.10	3
Al	27	45	2	20.883	ug/l	5.11	1,725.12	1.201E-02	Pulse	0.20	3
K	39	45	1	245.553	ug/l	0.51	3,688,335.47	1.450E+00	Analog	0.10	3
K	39	45	2	235.146	ug/l	1.00	54,161.00	3.771E-01	Pulse	0.20	3
Ca	43	45	1	242.349	ug/l	0.50	6,072.44	2.387E-03	Pulse	1.50	3
Ca	43	45	2	185.933	ug/l	4.18	181.55	1.264E-03	Pulse	1.50	3
Ca	44	45	1	242.836	ug/l	2.15	99,821.85	3.924E-02	Pulse	0.10	3
Ca	44	45	2	249.707	ug/l	4.94	2,910.31	2.027E-02	Pulse	0.20	3
Ti	47	45	1	0.784	ug/l	3.65	1,030.07	4.050E-04	Pulse	0.10	3
Ti	47	45	2	0.869	ug/l	83.44	71.67	5.010E-04	Pulse	0.20	3
V	51	45	2	1.002	ug/l	6.72	2,638.60	1.837E-02	Pulse	0.20	3
Cr	52	45	2	1.262	ug/l	5.97	4,882.49	3.399E-02	Pulse	0.20	3
Mn	55	45	2	0.506	ug/l	14.61	888.38	6.189E-03	Pulse	0.20	3
Fe	56	45	2	26.658	ug/l	1.64	66,421.39	4.625E-01	Pulse	0.20	3
Co	59	45	2	0.541	ug/l	6.48	2,495.25	1.738E-02	Pulse	0.20	3
Ni	60	45	2	1.096	ug/l	5.14	1,443.43	1.005E-02	Pulse	0.20	3
Cu	63	45	2	1.013	ug/l	4.56	3,403.75	2.370E-02	Pulse	0.20	3
Cu	65	45	2	1.072	ug/l	7.06	1,751.79	1.220E-02	Pulse	0.20	3
Zn	66	45	2	2.372	ug/l	3.33	1,385.08	9.643E-03	Pulse	0.20	3
As	75	45	2	0.587	ug/l	5.20	218.00	1.517E-03	Pulse	0.50	3
Se	78	45	2	0.693	ug/l	27.49	31.33	2.183E-04	Pulse	1.00	3
Se	78	45	3	0.628	ug/l	10.53	71.00	2.671E-04	Pulse	1.00	3
Sr	88	45	1	4.902	ug/l	0.30	139,259.19	5.475E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.951	ug/l	2.90	5,144.36	1.228E-03	Pulse	0.10	3
Ag	107	115	1	0.480	ug/l	3.97	6,118.09	1.235E-03	Pulse	0.10	3
Cd	111	115	1	0.471	ug/l	1.52	1,429.42	2.886E-04	Pulse	0.25	3
Cd	111	115	2	0.534	ug/l	5.98	638.69	5.469E-04	Pulse	0.25	3
Sn	117	115	1	4.164	ug/l	3.36	12,181.83	2.459E-03	Pulse	0.10	3
Sn	118	115	1	4.377	ug/l	1.30	41,488.92	8.375E-03	Pulse	0.10	3
Sn	118	115	2	4.622	ug/l	1.31	12,545.38	1.074E-02	Pulse	0.10	3
Sn	119	115	1	4.312	ug/l	3.45	14,840.89	2.996E-03	Pulse	0.10	3
Sb	121	159	1	0.624	ug/l	0.96	6,074.74	7.089E-04	Pulse	0.10	3
Ba	137	159	1	0.958	ug/l	6.80	5,284.44	6.167E-04	Pulse	0.10	3
Tl	205	209	1	0.475	ug/l	5.20	14,527.66	2.763E-03	Pulse	0.10	3
Pb	208	209	1	0.495	ug/l	2.07	20,999.96	3.995E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,443,230.51	0.98	100.8	Analog	0.10	3
1	Sc	45	2,543,713.29	0.06	107.1	Analog	0.10	3
2	Sc	45	143,635.42	0.76	105.8	Pulse	0.10	3
3	Sc	45	265,883.81	0.48	112.0	Pulse	0.10	3
1	Ge	72	541,819.06	1.07	110.5	Pulse	0.10	3
2	Ge	72	92,358.40	0.88	114.5	Pulse	0.10	3
3	Ge	72	134,209.41	0.88	113.5	Pulse	0.10	3
1	Rh	103	4,189,145.04	0.36	117.2	Analog	0.10	3
2	Rh	103	2,553,245.27	0.50	115.5	Analog	0.10	3
1	In	115	4,953,649.60	0.12	121.6	Analog	0.10	3
2	In	115	1,167,670.13	0.75	112.1	Pulse	0.10	3
1	Tb	159	8,568,798.41	0.17	122.2	Analog	0.10	3
2	Tb	159	4,857,138.05	0.75	116.4	Analog	0.10	3
1	Ho	165	8,397,760.92	0.38	123.5	Analog	0.10	3
2	Ho	165	4,806,386.91	0.44	116.6	Analog	0.10	3
1	Bi	209	5,257,128.57	0.30	120.2	Analog	0.10	3
2	Bi	209	3,426,759.22	0.65	116.1	Analog	0.10	3

Quantitation Report

File Name	113SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 1:44
Sample Name	CRI 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.540	ug/l	2.08	1,525.42	1.042E-03	Pulse	0.25	3
B	11	6	1	5.629	ug/l	1.67	15,998.92	1.093E-02	Pulse	0.15	3
Na	23	45	1	231.635	ug/l	1.93	2,656,916.11	1.045E+00	Analog	0.10	3
Na	23	45	2	235.405	ug/l	0.53	104,828.31	7.398E-01	Pulse	0.20	3
Mg	24	45	1	236.254	ug/l	0.92	1,714,265.18	6.744E-01	Analog	0.10	3
Mg	24	45	2	231.858	ug/l	0.27	50,049.18	3.532E-01	Pulse	0.20	3
Al	27	45	1	23.375	ug/l	3.21	230,250.37	9.059E-02	Pulse	0.10	3
Al	27	45	2	22.718	ug/l	3.02	1,848.47	1.304E-02	Pulse	0.20	3
K	39	45	1	244.891	ug/l	1.14	3,677,199.32	1.447E+00	Analog	0.10	3
K	39	45	2	236.380	ug/l	1.22	53,684.51	3.789E-01	Pulse	0.20	3
Ca	43	45	1	244.313	ug/l	2.01	6,116.91	2.406E-03	Pulse	1.50	3
Ca	43	45	2	180.381	ug/l	2.90	175.34	1.237E-03	Pulse	1.50	3
Ca	44	45	1	241.803	ug/l	1.10	99,339.30	3.908E-02	Pulse	0.10	3
Ca	44	45	2	258.609	ug/l	6.03	2,973.66	2.098E-02	Pulse	0.20	3
Ti	47	45	1	0.782	ug/l	12.21	1,026.74	4.041E-04	Pulse	0.10	3
Ti	47	45	2	0.855	ug/l	42.73	70.00	4.932E-04	Pulse	0.20	3
V	51	45	2	1.072	ug/l	1.05	2,761.95	1.949E-02	Pulse	0.20	3
Cr	52	45	2	1.244	ug/l	4.00	4,762.45	3.361E-02	Pulse	0.20	3
Mn	55	45	2	0.533	ug/l	4.36	923.38	6.518E-03	Pulse	0.20	3
Fe	56	45	2	26.273	ug/l	0.58	64,610.79	4.560E-01	Pulse	0.20	3
Co	59	45	2	0.559	ug/l	3.10	2,545.25	1.796E-02	Pulse	0.20	3
Ni	60	45	2	1.085	ug/l	8.58	1,410.09	9.954E-03	Pulse	0.20	3
Cu	63	45	2	1.011	ug/l	4.02	3,353.74	2.367E-02	Pulse	0.20	3
Cu	65	45	2	1.076	ug/l	2.70	1,735.13	1.225E-02	Pulse	0.20	3
Zn	66	45	2	2.444	ug/l	9.18	1,406.76	9.929E-03	Pulse	0.20	3
As	75	45	2	0.520	ug/l	9.02	192.00	1.356E-03	Pulse	0.50	3
Se	78	45	2	0.577	ug/l	29.78	27.00	1.904E-04	Pulse	1.00	3
Se	78	45	3	0.529	ug/l	17.88	59.33	2.253E-04	Pulse	1.00	3
Sr	88	45	1	4.882	ug/l	2.74	138,572.48	5.452E-02	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.905	ug/l	1.50	4,900.92	1.170E-03	Pulse	0.10	3
Ag	107	115	1	0.498	ug/l	7.00	6,338.20	1.283E-03	Pulse	0.10	3
Cd	111	115	1	0.497	ug/l	4.49	1,502.76	3.041E-04	Pulse	0.25	3
Cd	111	115	2	0.542	ug/l	11.24	646.69	5.549E-04	Pulse	0.25	3
Sn	117	115	1	4.346	ug/l	1.74	12,678.87	2.566E-03	Pulse	0.10	3
Sn	118	115	1	4.379	ug/l	1.50	41,412.09	8.380E-03	Pulse	0.10	3
Sn	118	115	2	4.798	ug/l	3.04	12,992.51	1.115E-02	Pulse	0.10	3
Sn	119	115	1	4.355	ug/l	4.06	14,951.11	3.026E-03	Pulse	0.10	3
Sb	121	159	1	0.588	ug/l	3.62	5,734.60	6.695E-04	Pulse	0.10	3
Ba	137	159	1	1.033	ug/l	2.55	5,647.91	6.594E-04	Pulse	0.10	3
Tl	205	209	1	0.460	ug/l	7.85	14,083.82	2.677E-03	Pulse	0.10	3
Pb	208	209	1	0.484	ug/l	3.88	20,573.15	3.910E-03	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,463,707.62	0.25	102.3	Analog	0.10	3
1	Sc	45	2,541,897.41	0.96	107.0	Analog	0.10	3
2	Sc	45	141,692.90	0.85	104.3	Pulse	0.10	3
3	Sc	45	263,211.20	0.90	110.9	Pulse	0.10	3
1	Ge	72	540,884.71	0.18	110.3	Pulse	0.10	3
2	Ge	72	91,892.30	2.82	113.9	Pulse	0.10	3
3	Ge	72	133,217.72	0.46	112.7	Pulse	0.10	3
1	Rh	103	4,188,656.92	0.42	117.2	Analog	0.10	3
2	Rh	103	2,556,408.40	0.29	115.7	Analog	0.10	3
1	In	115	4,941,689.64	0.40	121.3	Analog	0.10	3
2	In	115	1,165,139.99	0.27	111.8	Pulse	0.10	3
1	Tb	159	8,565,691.12	0.40	122.2	Analog	0.10	3
2	Tb	159	4,872,885.66	0.61	116.8	Analog	0.10	3
1	Ho	165	8,351,688.63	0.55	122.8	Analog	0.10	3
2	Ho	165	4,844,144.20	0.08	117.5	Analog	0.10	3
1	Bi	209	5,261,795.97	0.15	120.3	Analog	0.10	3
2	Bi	209	3,454,784.85	0.73	117.0	Analog	0.10	3

Quantitation Report

File Name	114SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 1:49
Sample Name	mp68796-mb1 1
Sample Type	Sample
Comment	1-EPA
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.000	ug/l	652.43	6.67	4.611E-06	Pulse	0.25	3
B	11	6	1	1.396	ug/l	5.02	4,763.00	3.308E-03	Pulse	0.15	3
Na	23	45	1	2.703	ug/l	7.39	156,544.19	6.246E-02	Pulse	0.10	3
Na	23	45	2	5.726	ug/l	23.45	6,878.21	4.910E-02	Pulse	0.20	3
Mg	24	45	1	0.698	ug/l	5.02	7,652.02	3.053E-03	Pulse	0.10	3
Mg	24	45	2	0.716	ug/l	35.56	253.34	1.816E-03	Pulse	0.20	3
Al	27	45	1	2.908	ug/l	4.89	33,006.62	1.317E-02	Pulse	0.10	3
Al	27	45	2	2.880	ug/l	18.49	260.01	1.847E-03	Pulse	0.20	3
K	39	45	1	0.750	ug/l	42.50	614,472.61	2.452E-01	Pulse	0.10	3
K	39	45	2	1.426	ug/l	133.11	4,857.46	3.467E-02	Pulse	0.20	3
Ca	43	45	1	4.712	ug/l	3.28	167.11	6.667E-05	Pulse	1.50	3
Ca	43	45	2	-71.014	ug/l	-7.04	3.11	2.292E-05	Pulse	1.50	3
Ca	44	45	1	3.198	ug/l	10.28	3,190.44	1.273E-03	Pulse	0.10	3
Ca	44	45	2	4.564	ug/l	42.29	70.00	5.032E-04	Pulse	0.20	3
Ti	47	45	1	0.122	ug/l	68.59	216.67	8.654E-05	Pulse	0.10	3
Ti	47	45	2	0.167	ug/l	48.85	13.33	9.647E-05	Pulse	0.20	3
V	51	45	2	0.020	ug/l	84.19	345.01	2.459E-03	Pulse	0.20	3
Cr	52	45	2	0.131	ug/l	53.05	1,415.09	1.012E-02	Pulse	0.20	3
Mn	55	45	2	0.114	ug/l	32.75	198.34	1.427E-03	Pulse	0.20	3
Fe	56	45	2	3.272	ug/l	6.31	9,611.30	6.855E-02	Pulse	0.20	3
Co	59	45	2	0.004	ug/l	93.55	40.00	2.836E-04	Pulse	0.20	3
Ni	60	45	2	0.030	ug/l	69.07	156.67	1.111E-03	Pulse	0.20	3
Cu	63	45	2	0.154	ug/l	17.27	600.02	4.291E-03	Pulse	0.20	3
Cu	65	45	2	0.172	ug/l	10.27	310.01	2.206E-03	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.627	ug/l	33.14	385.01	2.758E-03	Pulse	0.20	3
As	75	45	2	0.035	ug/l	1.34	25.33	1.804E-04	Pulse	0.50	3
Se	78	45	2	0.054	ug/l	110.84	9.00	6.424E-05	Pulse	1.00	3
Se	78	45	3	0.032	ug/l	26.60	4.00	1.506E-05	Pulse	1.00	3
Sr	88	45	1	0.013	ug/l	48.57	740.05	2.951E-04	Pulse	0.10	3
Mo	95	103	1	0.043	ug/l	35.09	296.68	7.116E-05	Pulse	0.10	3
Ag	107	115	1	0.003	ug/l	87.26	123.34	2.504E-05	Pulse	0.10	3
Cd	111	115	1	0.002	ug/l	83.58	16.00	3.248E-06	Pulse	0.25	3
Cd	111	115	2	0.000	ug/l	-724.30	2.67	2.284E-06	Pulse	0.25	3
Sn	117	115	1	0.111	ug/l	13.84	400.02	8.126E-05	Pulse	0.10	3
Sn	118	115	1	0.099	ug/l	11.52	1,230.11	2.501E-04	Pulse	0.10	3
Sn	118	115	2	0.137	ug/l	7.70	426.69	3.713E-04	Pulse	0.10	3
Sn	119	115	1	0.123	ug/l	4.05	550.03	1.118E-04	Pulse	0.10	3
Sb	121	159	1	0.029	ug/l	12.50	440.02	5.114E-05	Pulse	0.10	3
Ba	137	159	1	0.058	ug/l	18.38	936.73	1.089E-04	Pulse	0.10	3
Tl	205	209	1	0.019	ug/l	10.61	1,266.77	2.395E-04	Pulse	0.10	3
Pb	208	209	1	0.048	ug/l	8.69	2,590.21	4.898E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,440,039.09	0.56	100.6	Analog	0.10	3
1	Sc	45	2,506,445.12	0.44	105.5	Analog	0.10	3
2	Sc	45	140,440.42	4.89	103.4	Pulse	0.10	3
3	Sc	45	265,184.22	1.07	111.7	Pulse	0.10	3
1	Ge	72	532,343.87	1.39	108.6	Pulse	0.10	3
2	Ge	72	90,588.47	2.49	112.3	Pulse	0.10	3
3	Ge	72	135,501.19	1.13	114.6	Pulse	0.10	3
1	Rh	103	4,163,228.69	0.75	116.5	Analog	0.10	3
2	Rh	103	2,478,805.43	3.33	112.1	Analog	0.10	3
1	In	115	4,921,272.08	0.79	120.8	Analog	0.10	3
2	In	115	1,147,618.54	3.05	110.1	Pulse	0.10	3
1	Tb	159	8,602,624.87	0.42	122.7	Analog	0.10	3
2	Tb	159	4,750,635.66	3.08	113.9	Analog	0.10	3
1	Ho	165	8,343,770.71	0.46	122.7	Analog	0.10	3
2	Ho	165	4,710,734.62	3.13	114.3	Analog	0.10	3
1	Bi	209	5,288,874.09	0.24	120.9	Analog	0.10	3
2	Bi	209	3,404,857.97	2.99	115.3	Analog	0.10	3

Quantitation Report

File Name	115SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 1:54
Sample Name	mp68796-lc1
Sample Type	Sample
Comment	2
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	100.335	ug/l	0.80	269,588.57	1.929E-01	Pulse	0.25	3
B	11	6	1	1.505	ug/l	7.24	4,896.39	3.505E-03	Pulse	0.15	3
Na	23	45	1	1864.065	ug/l	0.10	19,821,360.95	8.054E+00	Analog	0.10	3
Na	23	45	2	1866.391	ug/l	0.55	782,847.46	5.645E+00	Pulse	0.20	3
Mg	24	45	1	1899.916	ug/l	0.58	13,328,953.97	5.416E+00	Analog	0.10	3
Mg	24	45	2	1864.554	ug/l	0.32	393,244.89	2.835E+00	Pulse	0.20	3
Al	27	45	1	95.809	ug/l	0.26	897,249.08	3.646E-01	Pulse	0.10	3
Al	27	45	2	98.158	ug/l	3.87	7,716.92	5.563E-02	Pulse	0.20	3
K	39	45	1	1964.818	ug/l	0.77	24,391,909.64	9.912E+00	Analog	0.10	3
K	39	45	2	1896.639	ug/l	0.88	389,882.82	2.811E+00	Pulse	0.20	3
Ca	43	45	1	1940.035	ug/l	0.86	46,672.55	1.897E-02	Pulse	1.50	3
Ca	43	45	2	1740.079	ug/l	3.98	1,216.71	8.772E-03	Pulse	1.50	3
Ca	44	45	1	1945.823	ug/l	0.49	760,673.71	3.091E-01	Pulse	0.10	3
Ca	44	45	2	1920.704	ug/l	1.89	21,492.52	1.550E-01	Pulse	0.20	3
Ti	47	45	1	0.072	ug/l	34.85	153.34	6.236E-05	Pulse	0.10	3
Ti	47	45	2	0.167	ug/l	79.06	13.33	9.658E-05	Pulse	0.20	3
V	51	45	2	110.268	ug/l	0.63	248,040.20	1.788E+00	Pulse	0.20	3
Cr	52	45	2	107.914	ug/l	0.77	316,835.81	2.285E+00	Pulse	0.20	3
Mn	55	45	2	106.098	ug/l	0.61	178,792.05	1.289E+00	Pulse	0.20	3
Fe	56	45	2	2131.556	ug/l	0.98	4,981,170.97	3.592E+01	Analog	0.20	3
Co	59	45	2	108.443	ug/l	0.52	478,622.02	3.451E+00	Pulse	0.20	3
Ni	60	45	2	106.833	ug/l	0.64	124,305.40	8.963E-01	Pulse	0.20	3
Cu	63	45	2	107.497	ug/l	0.58	337,164.28	2.431E+00	Pulse	0.20	3
Cu	65	45	2	108.281	ug/l	1.49	166,859.51	1.203E+00	Pulse	0.20	3
Zn	66	45	2	108.539	ug/l	1.03	59,437.74	4.286E-01	Pulse	0.20	3
As	75	45	2	111.661	ug/l	1.96	37,499.63	2.704E-01	Pulse	0.50	3
Se	78	45	2	208.488	ug/l	0.49	6,985.51	5.036E-02	Pulse	1.00	3
Se	78	45	3	215.810	ug/l	0.21	23,159.41	9.128E-02	Pulse	1.00	3
Sr	88	45	1	0.108	ug/l	5.59	3,347.14	1.360E-03	Pulse	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.013	ug/l	74.94	130.00	3.248E-05	Pulse	0.10	3
Ag	107	115	1	97.694	ug/l	0.10	1,182,514.20	2.480E-01	Pulse	0.10	3
Cd	111	115	1	99.128	ug/l	1.07	287,143.59	6.021E-02	Pulse	0.25	3
Cd	111	115	2	106.170	ug/l	1.23	121,186.37	1.082E-01	Pulse	0.25	3
Sn	117	115	1	0.095	ug/l	5.53	343.35	7.199E-05	Pulse	0.10	3
Sn	118	115	1	0.081	ug/l	2.80	1,030.07	2.160E-04	Pulse	0.10	3
Sn	118	115	2	0.100	ug/l	23.92	320.02	2.858E-04	Pulse	0.10	3
Sn	119	115	1	0.084	ug/l	22.78	403.36	8.453E-05	Pulse	0.10	3
Sb	121	159	1	117.430	ug/l	1.19	1,092,836.39	1.299E-01	Pulse	0.10	3
Ba	137	159	1	102.211	ug/l	1.08	486,313.77	5.778E-02	Pulse	0.10	3
Tl	205	209	1	104.486	ug/l	0.77	2,967,222.87	5.780E-01	Analog	0.10	3
Pb	208	209	1	102.372	ug/l	0.20	4,125,882.80	8.036E-01	Analog	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,397,252.45	0.35	97.6	Analog	0.10	3
1	Sc	45	2,461,084.39	1.07	103.6	Analog	0.10	3
2	Sc	45	138,693.19	1.06	102.1	Pulse	0.10	3
3	Sc	45	253,714.23	0.47	106.9	Pulse	0.10	3
1	Ge	72	519,438.01	0.30	106.0	Pulse	0.10	3
2	Ge	72	86,620.15	1.59	107.3	Pulse	0.10	3
3	Ge	72	129,467.43	0.99	109.5	Pulse	0.10	3
1	Rh	103	3,999,482.75	0.84	111.9	Analog	0.10	3
2	Rh	103	2,469,146.68	0.68	111.7	Analog	0.10	3
1	In	115	4,769,090.30	0.62	117.1	Analog	0.10	3
2	In	115	1,120,446.78	0.92	107.5	Pulse	0.10	3
1	Tb	159	8,416,498.83	1.20	120.1	Analog	0.10	3
2	Tb	159	4,805,818.26	0.26	115.2	Analog	0.10	3
1	Ho	165	8,243,168.42	1.18	121.2	Analog	0.10	3
2	Ho	165	4,796,710.14	0.41	116.4	Analog	0.10	3
1	Bi	209	5,134,050.76	1.51	117.4	Analog	0.10	3
2	Bi	209	3,364,355.37	0.16	114.0	Analog	0.10	3

Quantitation Report

File Name	116SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 2:00
Sample Name	mp68796-s1
Sample Type	Sample
Comment	3
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	100.969	ug/l	0.75	27,890.93	1.942E-02	Pulse	0.25	3
B	11	6	1	148.240	ug/l	0.95	39,481.94	2.749E-02	Pulse	0.15	3
Na	23	45	1	335676.213	ug/l	0.32	386,955,767.57	1.442E+02	Analog	0.10	3
Na	23	45	2	365274.916	ug/l	1.14	17,139,232.24	1.099E+02	Analog	0.20	3
Mg	24	45	1	168870.130	ug/l	0.81	129,185,901.41	4.813E+01	Analog	0.10	3
Mg	24	45	2	176203.651	ug/l	0.88	4,178,721.29	2.679E+01	Analog	0.20	3
Al	27	45	1	389.538	ug/l	0.61	401,308.19	1.495E-01	Pulse	0.10	3
Al	27	45	2	382.550	ug/l	2.46	3,403.75	2.181E-02	Pulse	0.20	3
K	39	45	1	31582.750	ug/l	0.52	42,367,308.54	1.579E+01	Analog	0.10	3
K	39	45	2	30310.895	ug/l	1.29	697,750.93	4.473E+00	Pulse	0.20	3
Ca	43	45	1	310506.069	ug/l	0.77	813,851.08	3.032E-01	Pulse	1.50	3
Ca	43	45	2	300012.948	ug/l	1.59	22,662.60	1.453E-01	Pulse	1.50	3
Ca	44	45	1	319309.407	ug/l	0.16	13,581,827.72	5.060E+00	Analog	0.10	3
Ca	44	45	2	313066.424	ug/l	0.84	393,722.11	2.524E+00	Pulse	0.20	3
Ti	47	45	1	30.098	ug/l	4.50	3,960.67	1.476E-03	Pulse	0.10	3
Ti	47	45	2	8.883	ug/l	44.87	80.00	5.122E-04	Pulse	0.20	3
V	51	45	2	115.970	ug/l	3.95	29,631.81	1.900E-01	Pulse	0.20	3
Cr	52	45	2	109.835	ug/l	0.54	37,303.81	2.391E-01	Pulse	0.20	3
Mn	55	45	2	158.141	ug/l	1.71	29,977.47	1.922E-01	Pulse	0.20	3
Fe	56	45	2	2575.726	ug/l	0.99	678,845.88	4.352E+00	Pulse	0.20	3
Co	59	45	2	101.066	ug/l	2.66	50,184.88	3.218E-01	Pulse	0.20	3
Ni	60	45	2	99.569	ug/l	3.10	13,148.78	8.431E-02	Pulse	0.20	3
Cu	63	45	2	103.373	ug/l	1.29	36,580.85	2.345E-01	Pulse	0.20	3
Cu	65	45	2	102.284	ug/l	3.80	17,766.49	1.139E-01	Pulse	0.20	3
Zn	66	45	2	132.929	ug/l	0.22	8,227.20	5.274E-02	Pulse	0.20	3
As	75	45	2	126.648	ug/l	2.83	4,796.74	3.076E-02	Pulse	0.50	3
Se	78	45	2	220.093	ug/l	3.84	836.36	5.363E-03	Pulse	1.00	3
Se	78	45	3	226.148	ug/l	2.30	2,791.91	9.567E-03	Pulse	1.00	3
Sr	88	45	1	1078.901	ug/l	1.08	3,225,414.43	1.202E+00	Analog	0.10	3
Mo	95	103	1	3.182	ug/l	5.89	1,720.15	4.216E-04	Pulse	0.10	3
Ag	107	115	1	89.866	ug/l	0.71	112,520.49	2.282E-02	Pulse	0.10	3
Cd	111	115	1	96.702	ug/l	0.75	28,965.25	5.876E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	103.143	ug/l	2.01	12,474.38	1.051E-02	Pulse	0.25	3
Sn	117	115	1	0.400	ug/l	70.79	196.67	3.984E-05	Pulse	0.10	3
Sn	118	115	1	0.448	ug/l	18.69	726.71	1.473E-04	Pulse	0.10	3
Sn	118	115	2	0.542	ug/l	25.62	213.34	1.798E-04	Pulse	0.10	3
Sn	119	115	1	0.482	ug/l	16.38	296.68	6.016E-05	Pulse	0.10	3
Sb	121	159	1	116.932	ug/l	1.52	112,236.43	1.295E-02	Pulse	0.10	3
Ba	137	159	1	360.094	ug/l	1.13	176,908.20	2.041E-02	Pulse	0.10	3
Tl	205	209	1	106.223	ug/l	3.57	291,441.55	5.888E-02	Pulse	0.10	3
Pb	208	209	1	102.985	ug/l	2.39	400,751.42	8.094E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,436,275.33	1.20	100.3	Analog	0.10	3
1	Sc	45	2,684,111.11	1.48	113.0	Analog	0.10	3
2	Sc	45	155,998.82	1.42	114.9	Pulse	0.10	3
3	Sc	45	291,855.76	0.49	122.9	Pulse	0.10	3
1	Ge	72	547,950.25	0.15	111.8	Pulse	0.10	3
2	Ge	72	97,243.01	0.35	120.5	Pulse	0.10	3
3	Ge	72	141,802.14	0.78	119.9	Pulse	0.10	3
1	Rh	103	4,079,807.54	1.33	114.1	Analog	0.10	3
2	Rh	103	2,526,951.89	0.85	114.3	Analog	0.10	3
1	In	115	4,929,567.04	0.85	121.1	Analog	0.10	3
2	In	115	1,186,823.48	0.28	113.9	Pulse	0.10	3
1	Tb	159	8,669,762.79	1.56	123.7	Analog	0.10	3
2	Tb	159	4,957,371.90	0.92	118.8	Analog	0.10	3
1	Ho	165	8,481,266.96	1.11	124.7	Analog	0.10	3
2	Ho	165	4,944,090.97	0.42	119.9	Analog	0.10	3
1	Bi	209	4,953,181.49	2.97	113.2	Analog	0.10	3
2	Bi	209	3,296,517.55	1.30	111.7	Analog	0.10	3

Quantitation Report

File Name	117SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 2:05
Sample Name	mp68796-s2
Sample Type	Sample
Comment	4
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	101.395	ug/l	1.27	29,581.73	1.950E-02	Pulse	0.25	3
B	11	6	1	154.247	ug/l	2.20	43,331.44	2.857E-02	Pulse	0.15	3
Na	23	45	1	333360.625	ug/l	0.17	410,439,833.88	1.432E+02	Analog	0.10	3
Na	23	45	2	397034.980	ug/l	15.26	18,017,632.65	1.194E+02	Analog	0.20	3
Mg	24	45	1	168385.309	ug/l	0.20	137,583,411.28	4.799E+01	Analog	0.10	3
Mg	24	45	2	191669.567	ug/l	15.13	4,396,700.25	2.914E+01	Analog	0.20	3
Al	27	45	1	431.822	ug/l	0.62	474,458.89	1.655E-01	Pulse	0.10	3
Al	27	45	2	458.840	ug/l	11.37	3,955.54	2.612E-02	Pulse	0.20	3
K	39	45	1	31527.839	ug/l	0.31	45,172,909.33	1.576E+01	Analog	0.10	3
K	39	45	2	33009.197	ug/l	15.07	734,704.24	4.869E+00	Pulse	0.20	3
Ca	43	45	1	308918.713	ug/l	0.72	864,786.83	3.017E-01	Pulse	1.50	3
Ca	43	45	2	324599.295	ug/l	14.86	23,720.92	1.572E-01	Pulse	1.50	3
Ca	44	45	1	316241.623	ug/l	0.48	14,366,742.29	5.012E+00	Analog	0.10	3
Ca	44	45	2	342079.157	ug/l	14.62	416,327.85	2.758E+00	Pulse	0.20	3
Ti	47	45	1	31.370	ug/l	5.02	4,407.42	1.537E-03	Pulse	0.10	3
Ti	47	45	2	12.611	ug/l	26.94	111.67	7.272E-04	Pulse	0.20	3
V	51	45	2	128.605	ug/l	15.10	31,762.50	2.105E-01	Pulse	0.20	3
Cr	52	45	2	120.354	ug/l	16.43	39,397.25	2.613E-01	Pulse	0.20	3
Mn	55	45	2	173.109	ug/l	16.14	31,712.39	2.104E-01	Pulse	0.20	3
Fe	56	45	2	2953.245	ug/l	15.23	752,536.32	4.988E+00	Pulse	0.20	3
Co	59	45	2	109.387	ug/l	15.15	52,546.99	3.483E-01	Pulse	0.20	3
Ni	60	45	2	108.378	ug/l	13.86	13,854.36	9.169E-02	Pulse	0.20	3
Cu	63	45	2	110.051	ug/l	15.52	37,649.91	2.496E-01	Pulse	0.20	3
Cu	65	45	2	113.450	ug/l	16.68	19,036.33	1.263E-01	Pulse	0.20	3
Zn	66	45	2	147.381	ug/l	18.52	8,790.85	5.844E-02	Pulse	0.20	3
As	75	45	2	138.349	ug/l	17.54	5,056.82	3.359E-02	Pulse	0.50	3
Se	78	45	2	235.872	ug/l	16.37	865.70	5.743E-03	Pulse	1.00	3
Se	78	45	3	227.280	ug/l	2.33	2,903.60	9.615E-03	Pulse	1.00	3
Sr	88	45	1	1059.016	ug/l	0.59	3,381,497.24	1.180E+00	Analog	0.10	3
Mo	95	103	1	3.268	ug/l	10.75	1,856.85	4.326E-04	Pulse	0.10	3
Ag	107	115	1	89.644	ug/l	2.29	117,359.28	2.277E-02	Pulse	0.10	3
Cd	111	115	1	96.265	ug/l	0.80	30,146.09	5.849E-03	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	113.988	ug/l	11.66	13,020.18	1.162E-02	Pulse	0.25	3
Sn	117	115	1	0.570	ug/l	45.15	256.68	4.985E-05	Pulse	0.10	3
Sn	118	115	1	0.435	ug/l	7.34	746.72	1.449E-04	Pulse	0.10	3
Sn	118	115	2	0.413	ug/l	15.47	170.01	1.499E-04	Pulse	0.10	3
Sn	119	115	1	0.668	ug/l	46.32	376.69	7.301E-05	Pulse	0.10	3
Sb	121	159	1	119.002	ug/l	2.37	117,295.42	1.318E-02	Pulse	0.10	3
Ba	137	159	1	373.546	ug/l	0.21	188,424.27	2.117E-02	Pulse	0.10	3
Tl	205	209	1	103.013	ug/l	1.30	289,404.87	5.710E-02	Pulse	0.10	3
Pb	208	209	1	102.959	ug/l	2.29	410,073.22	8.092E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,516,769.14	0.92	106.0	Analog	0.10	3
1	Sc	45	2,866,674.64	1.21	120.7	Analog	0.10	3
2	Sc	45	152,997.53	13.72	112.7	Pulse	0.10	3
3	Sc	45	302,062.25	1.36	127.2	Pulse	0.10	3
1	Ge	72	576,884.08	1.10	117.7	Pulse	0.10	3
2	Ge	72	96,635.95	10.65	119.8	Pulse	0.10	3
3	Ge	72	145,964.59	1.09	123.5	Pulse	0.10	3
1	Rh	103	4,290,182.02	0.96	120.0	Analog	0.10	3
2	Rh	103	2,386,739.91	13.60	108.0	Analog	0.10	3
1	In	115	5,154,153.53	0.55	126.6	Analog	0.10	3
2	In	115	1,131,997.84	12.69	108.6	Pulse	0.10	3
1	Tb	159	8,901,996.12	0.43	127.0	Analog	0.10	3
2	Tb	159	4,654,593.89	14.09	111.6	Analog	0.10	3
1	Ho	165	8,679,077.16	0.94	127.7	Analog	0.10	3
2	Ho	165	4,610,650.25	14.14	111.9	Analog	0.10	3
1	Bi	209	5,068,751.18	1.88	115.9	Analog	0.10	3
2	Bi	209	3,118,071.41	9.01	105.6	Analog	0.10	3

Quantitation Report

File Name	118SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 2:10
Sample Name	mp68796-s3
Sample Type	Sample
Comment	5
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	100.630	ug/l	3.23	30,860.09	1.935E-02	Pulse	0.25	3
B	11	6	1	40.881	ug/l	3.37	13,003.03	8.156E-03	Pulse	0.15	3
Na	23	45	1	53056.009	ug/l	0.50	64,830,389.04	2.283E+01	Analog	0.10	3
Na	23	45	2	54546.326	ug/l	0.90	2,567,505.02	1.644E+01	Analog	0.20	3
Mg	24	45	1	109448.566	ug/l	0.41	88,586,908.68	3.120E+01	Analog	0.10	3
Mg	24	45	2	110400.691	ug/l	0.60	2,622,120.90	1.679E+01	Analog	0.20	3
Al	27	45	1	144.881	ug/l	2.53	161,782.82	5.697E-02	Pulse	0.10	3
Al	27	45	2	143.151	ug/l	6.41	1,296.74	8.301E-03	Pulse	0.20	3
K	39	45	1	11468.677	ug/l	0.34	16,714,434.75	5.886E+00	Analog	0.10	3
K	39	45	2	11016.107	ug/l	0.80	257,219.76	1.647E+00	Pulse	0.20	3
Ca	43	45	1	241224.864	ug/l	0.65	668,986.84	2.356E-01	Pulse	1.50	3
Ca	43	45	2	233177.366	ug/l	0.66	17,654.17	1.130E-01	Pulse	1.50	3
Ca	44	45	1	246680.107	ug/l	0.28	11,101,570.25	3.909E+00	Analog	0.10	3
Ca	44	45	2	244823.514	ug/l	0.19	308,360.35	1.974E+00	Pulse	0.20	3
Ti	47	45	1	3.108	ug/l	11.82	503.36	1.773E-04	Pulse	0.10	3
Ti	47	45	2	2.774	ug/l	19.70	25.00	1.600E-04	Pulse	0.20	3
V	51	45	2	106.629	ug/l	0.95	27,317.80	1.749E-01	Pulse	0.20	3
Cr	52	45	2	111.183	ug/l	1.72	37,798.37	2.420E-01	Pulse	0.20	3
Mn	55	45	2	393.120	ug/l	1.42	74,622.59	4.777E-01	Pulse	0.20	3
Fe	56	45	2	2532.977	ug/l	0.14	668,613.11	4.280E+00	Pulse	0.20	3
Co	59	45	2	103.717	ug/l	0.97	51,584.17	3.302E-01	Pulse	0.20	3
Ni	60	45	2	102.612	ug/l	1.53	13,569.17	8.686E-02	Pulse	0.20	3
Cu	63	45	2	101.181	ug/l	0.88	35,861.11	2.296E-01	Pulse	0.20	3
Cu	65	45	2	100.339	ug/l	1.36	17,459.56	1.118E-01	Pulse	0.20	3
Zn	66	45	2	135.409	ug/l	4.21	8,392.29	5.372E-02	Pulse	0.20	3
As	75	45	2	115.038	ug/l	3.20	4,365.29	2.795E-02	Pulse	0.50	3
Se	78	45	2	225.312	ug/l	3.47	857.36	5.489E-03	Pulse	1.00	3
Se	78	45	3	233.979	ug/l	0.99	2,823.92	9.898E-03	Pulse	1.00	3
Sr	88	45	1	758.892	ug/l	0.07	2,400,648.97	8.454E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.765	ug/l	14.08	496.70	1.135E-04	Pulse	0.10	3
Ag	107	115	1	91.596	ug/l	1.38	120,753.73	2.326E-02	Pulse	0.10	3
Cd	111	115	1	96.527	ug/l	1.13	30,441.49	5.865E-03	Pulse	0.25	3
Cd	111	115	2	104.287	ug/l	0.25	12,841.36	1.063E-02	Pulse	0.25	3
Sn	117	115	1	0.212	ug/l	119.29	150.01	2.885E-05	Pulse	0.10	3
Sn	118	115	1	0.172	ug/l	104.15	493.36	9.490E-05	Pulse	0.10	3
Sn	118	115	2	0.361	ug/l	47.98	166.67	1.377E-04	Pulse	0.10	3
Sn	119	115	1	0.409	ug/l	68.92	286.68	5.515E-05	Pulse	0.10	3
Sb	121	159	1	117.740	ug/l	1.28	115,655.81	1.304E-02	Pulse	0.10	3
Ba	137	159	1	203.421	ug/l	0.68	102,567.78	1.156E-02	Pulse	0.10	3
Tl	205	209	1	99.434	ug/l	1.82	284,891.87	5.513E-02	Pulse	0.10	3
Pb	208	209	1	99.670	ug/l	1.96	404,874.98	7.834E-02	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,594,457.37	0.30	111.4	Analog	0.10	3
1	Sc	45	2,839,737.14	0.09	119.5	Analog	0.10	3
2	Sc	45	156,217.82	0.31	115.0	Pulse	0.10	3
3	Sc	45	285,313.31	0.85	120.2	Pulse	0.10	3
1	Ge	72	578,008.42	1.02	117.9	Pulse	0.10	3
2	Ge	72	97,675.24	0.66	121.0	Pulse	0.10	3
3	Ge	72	144,032.48	0.95	121.8	Pulse	0.10	3
1	Rh	103	4,377,169.20	0.24	122.4	Analog	0.10	3
2	Rh	103	2,616,512.72	0.33	118.4	Analog	0.10	3
1	In	115	5,190,286.45	0.69	127.5	Analog	0.10	3
2	In	115	1,208,361.63	0.77	116.0	Pulse	0.10	3
1	Tb	159	8,872,030.49	0.83	126.6	Analog	0.10	3
2	Tb	159	5,009,271.80	0.64	120.1	Analog	0.10	3
1	Ho	165	8,573,202.79	0.92	126.1	Analog	0.10	3
2	Ho	165	4,993,910.13	0.80	121.2	Analog	0.10	3
1	Bi	209	5,168,567.63	0.97	118.1	Analog	0.10	3
2	Bi	209	3,415,443.49	0.29	115.7	Analog	0.10	3

Quantitation Report

File Name	119SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 2:15
Sample Name	RINSECONF
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.002	ug/l	160.88	12.00	8.267E-06	Pulse	0.25	3
B	11	6	1	1.141	ug/l	4.79	4,127.27	2.849E-03	Pulse	0.15	3
Na	23	45	1	2.685	ug/l	2.54	158,986.61	6.238E-02	Pulse	0.10	3
Na	23	45	2	3.835	ug/l	17.58	6,191.25	4.342E-02	Pulse	0.20	3
Mg	24	45	1	0.549	ug/l	5.50	6,694.91	2.627E-03	Pulse	0.10	3
Mg	24	45	2	0.382	ug/l	66.39	186.67	1.309E-03	Pulse	0.20	3
Al	27	45	1	-0.229	ug/l	-22.14	3,317.11	1.301E-03	Pulse	0.10	3
Al	27	45	2	-0.226	ug/l	-57.35	13.33	9.359E-05	Pulse	0.20	3
K	39	45	1	2.365	ug/l	12.58	645,073.51	2.531E-01	Pulse	0.10	3
K	39	45	2	1.151	ug/l	52.47	4,887.47	3.427E-02	Pulse	0.20	3
Ca	43	45	1	1.356	ug/l	22.22	86.44	3.390E-05	Pulse	1.50	3
Ca	43	45	2	-71.889	ug/l	-1.33	2.67	1.870E-05	Pulse	1.50	3
Ca	44	45	1	-0.980	ug/l	-20.40	1,556.81	6.108E-04	Pulse	0.10	3
Ca	44	45	2	0.933	ug/l	280.30	30.00	2.106E-04	Pulse	0.20	3
Ti	47	45	1	-0.025	ug/l	-85.54	40.00	1.565E-05	Pulse	0.10	3
Ti	47	45	2	0.020	ug/l	173.21	1.67	1.169E-05	Pulse	0.20	3
V	51	45	2	0.156	ug/l	17.78	665.03	4.663E-03	Pulse	0.20	3
Cr	52	45	2	1.553	ug/l	5.89	5,722.77	4.013E-02	Pulse	0.20	3
Mn	55	45	2	0.028	ug/l	36.50	55.00	3.856E-04	Pulse	0.20	3
Fe	56	45	2	0.486	ug/l	16.89	3,083.68	2.162E-02	Pulse	0.20	3
Co	59	45	2	-0.003	ug/l	-53.44	8.33	5.847E-05	Pulse	0.20	3
Ni	60	45	2	-0.012	ug/l	-305.74	108.33	7.602E-04	Pulse	0.20	3
Cu	63	45	2	-0.009	ug/l	-100.64	86.67	6.077E-04	Pulse	0.20	3
Cu	65	45	2	-0.001	ug/l	-884.28	40.00	2.807E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.017	ug/l	183.33	50.00	3.508E-04	Pulse	0.20	3
As	75	45	2	0.007	ug/l	256.02	16.00	1.122E-04	Pulse	0.50	3
Se	78	45	2	0.069	ug/l	88.43	9.67	6.780E-05	Pulse	1.00	3
Se	78	45	3	0.042	ug/l	0.99	5.00	1.937E-05	Pulse	1.00	3
Sr	88	45	1	0.002	ug/l	147.64	453.36	1.780E-04	Pulse	0.10	3
Mo	95	103	1	-0.002	ug/l	-52.95	56.67	1.349E-05	Pulse	0.10	3
Ag	107	115	1	-0.001	ug/l	-530.67	80.00	1.631E-05	Pulse	0.10	3
Cd	111	115	1	0.001	ug/l	441.56	14.67	2.994E-06	Pulse	0.25	3
Cd	111	115	2	0.001	ug/l	389.53	4.00	3.443E-06	Pulse	0.25	3
Sn	117	115	1	-0.002	ug/l	-358.72	73.33	1.496E-05	Pulse	0.10	3
Sn	118	115	1	0.009	ug/l	56.30	386.69	7.888E-05	Pulse	0.10	3
Sn	118	115	2	0.010	ug/l	99.88	90.00	7.727E-05	Pulse	0.10	3
Sn	119	115	1	0.015	ug/l	79.44	183.34	3.740E-05	Pulse	0.10	3
Sb	121	159	1	0.062	ug/l	21.34	736.72	8.737E-05	Pulse	0.10	3
Ba	137	159	1	0.021	ug/l	88.34	740.05	8.777E-05	Pulse	0.10	3
Tl	205	209	1	0.062	ug/l	16.14	2,470.32	4.771E-04	Pulse	0.10	3
Pb	208	209	1	0.000	ug/l	-1269.46	570.03	1.101E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,448,950.04	0.59	101.2	Analog	0.10	3
1	Sc	45	2,548,662.25	0.69	107.3	Analog	0.10	3
2	Sc	45	142,607.14	0.26	105.0	Pulse	0.10	3
3	Sc	45	258,125.74	0.93	108.7	Pulse	0.10	3
1	Ge	72	541,552.29	0.76	110.5	Pulse	0.10	3
2	Ge	72	91,087.87	1.75	112.9	Pulse	0.10	3
3	Ge	72	132,432.43	0.62	112.0	Pulse	0.10	3
1	Rh	103	4,198,795.56	0.90	117.4	Analog	0.10	3
2	Rh	103	2,539,848.56	1.44	114.9	Analog	0.10	3
1	In	115	4,902,159.41	0.10	120.4	Analog	0.10	3
2	In	115	1,165,409.11	0.48	111.9	Pulse	0.10	3
1	Tb	159	8,434,170.08	0.34	120.3	Analog	0.10	3
2	Tb	159	4,787,012.53	1.05	114.8	Analog	0.10	3
1	Ho	165	8,233,055.50	0.41	121.1	Analog	0.10	3
2	Ho	165	4,762,635.76	0.97	115.5	Analog	0.10	3
1	Bi	209	5,177,908.36	0.54	118.4	Analog	0.10	3
2	Bi	209	3,398,495.99	1.31	115.1	Analog	0.10	3

Quantitation Report

File Name	120SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 2:20
Sample Name	fa7-1f
Sample Type	Sample
Comment	6
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.057	ug/l	104.01	21.33	1.473E-05	Pulse	0.25	3
B	11	6	1	143.582	ug/l	3.69	38,982.96	2.665E-02	Pulse	0.15	3
Na	23	45	1	337243.942	ug/l	0.54	392,198,820.82	1.448E+02	Analog	0.10	3
Na	23	45	2	371004.880	ug/l	2.84	17,482,436.82	1.116E+02	Analog	0.20	3
Mg	24	45	1	168179.356	ug/l	0.45	129,795,664.74	4.793E+01	Analog	0.10	3
Mg	24	45	2	178403.872	ug/l	3.04	4,248,639.83	2.712E+01	Analog	0.20	3
Al	27	45	1	218.867	ug/l	1.13	230,008.99	8.496E-02	Pulse	0.10	3
Al	27	45	2	246.283	ug/l	11.52	2,208.54	1.412E-02	Pulse	0.20	3
K	39	45	1	29796.484	ug/l	0.27	40,360,723.57	1.491E+01	Analog	0.10	3
K	39	45	2	29098.633	ug/l	3.30	672,848.77	4.296E+00	Pulse	0.20	3
Ca	43	45	1	309781.863	ug/l	0.79	819,093.69	3.025E-01	Pulse	1.50	3
Ca	43	45	2	302968.940	ug/l	3.19	22,982.81	1.467E-01	Pulse	1.50	3
Ca	44	45	1	315795.511	ug/l	0.74	13,549,969.38	5.004E+00	Analog	0.10	3
Ca	44	45	2	317842.155	ug/l	3.45	401,367.65	2.563E+00	Pulse	0.20	3
Ti	47	45	1	32.091	ug/l	3.31	4,257.38	1.572E-03	Pulse	0.10	3
Ti	47	45	2	9.405	ug/l	11.09	85.00	5.423E-04	Pulse	0.20	3
V	51	45	2	10.718	ug/l	4.82	3,053.68	1.950E-02	Pulse	0.20	3
Cr	52	45	2	8.057	ug/l	5.60	3,813.85	2.435E-02	Pulse	0.20	3
Mn	55	45	2	54.513	ug/l	3.79	10,381.77	6.627E-02	Pulse	0.20	3
Fe	56	45	2	519.958	ug/l	3.04	139,295.85	8.893E-01	Pulse	0.20	3
Co	59	45	2	0.145	ug/l	35.12	96.67	6.197E-04	Pulse	0.20	3
Ni	60	45	2	3.014	ug/l	15.23	530.02	3.387E-03	Pulse	0.20	3
Cu	63	45	2	5.034	ug/l	9.45	1,910.15	1.219E-02	Pulse	0.20	3
Cu	65	45	2	5.887	ug/l	14.63	1,068.39	6.836E-03	Pulse	0.20	3
Zn	66	45	2	26.924	ug/l	12.68	1,705.12	1.091E-02	Pulse	0.20	3
As	75	45	2	13.449	ug/l	8.30	526.01	3.352E-03	Pulse	0.50	3
Se	78	45	2	5.507	ug/l	37.21	28.67	1.840E-04	Pulse	1.00	3
Se	78	45	3	5.765	ug/l	17.61	72.00	2.453E-04	Pulse	1.00	3
Sr	88	45	1	1071.161	ug/l	1.12	3,230,454.02	1.193E+00	Analog	0.10	3
Mo	95	103	1	3.087	ug/l	1.57	1,683.49	4.095E-04	Pulse	0.10	3
Ag	107	115	1	-0.016	ug/l	-212.69	70.00	1.402E-05	Pulse	0.10	3
Cd	111	115	1	0.144	ug/l	23.12	54.67	1.104E-05	Pulse	0.25	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Cd	111	115	2	0.073	ug/l	134.49	12.00	9.957E-06	Pulse	0.25	3
Sn	117	115	1	0.166	ug/l	85.48	130.00	2.611E-05	Pulse	0.10	3
Sn	118	115	1	0.349	ug/l	25.13	636.71	1.285E-04	Pulse	0.10	3
Sn	118	115	2	0.351	ug/l	41.27	160.01	1.355E-04	Pulse	0.10	3
Sn	119	115	1	0.300	ug/l	22.90	236.68	4.766E-05	Pulse	0.10	3
Sb	121	159	1	0.416	ug/l	6.42	566.70	6.526E-05	Pulse	0.10	3
Ba	137	159	1	252.054	ug/l	1.33	124,244.56	1.431E-02	Pulse	0.10	3
Tl	205	209	1	0.753	ug/l	3.94	2,737.03	5.512E-04	Pulse	0.10	3
Pb	208	209	1	0.897	ug/l	6.32	4,043.73	8.151E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,462,305.66	1.83	102.2	Analog	0.10	3
1	Sc	45	2,707,751.00	1.94	114.0	Analog	0.10	3
2	Sc	45	156,749.74	3.45	115.4	Pulse	0.10	3
3	Sc	45	294,096.24	2.28	123.9	Pulse	0.10	3
1	Ge	72	554,079.95	1.16	113.0	Pulse	0.10	3
2	Ge	72	97,997.76	1.53	121.4	Pulse	0.10	3
3	Ge	72	144,774.46	1.36	122.5	Pulse	0.10	3
1	Rh	103	4,110,320.77	2.25	115.0	Analog	0.10	3
2	Rh	103	2,525,989.60	2.93	114.3	Analog	0.10	3
1	In	115	4,963,297.99	1.76	121.9	Analog	0.10	3
2	In	115	1,185,946.60	2.78	113.8	Pulse	0.10	3
1	Tb	159	8,685,374.66	1.63	123.9	Analog	0.10	3
2	Tb	159	4,941,766.80	2.10	118.5	Analog	0.10	3
1	Ho	165	8,454,649.46	1.28	124.4	Analog	0.10	3
2	Ho	165	4,892,451.60	2.40	118.7	Analog	0.10	3
1	Bi	209	4,964,484.72	2.53	113.5	Analog	0.10	3
2	Bi	209	3,255,828.60	2.35	110.3	Analog	0.10	3

Quantitation Report

File Name	121SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 2:25
Sample Name	fa7-2f 1
Sample Type	Sample
Comment	7
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.029	ug/l	70.17	14.67	9.236E-06	Pulse	0.25	3
B	11	6	1	38.147	ug/l	5.00	12,180.23	7.663E-03	Pulse	0.15	3
Na	23	45	1	49970.837	ug/l	0.27	60,625,769.10	2.151E+01	Analog	0.10	3
Na	23	45	2	50679.357	ug/l	0.22	2,384,244.18	1.527E+01	Analog	0.20	3
Mg	24	45	1	104958.698	ug/l	0.43	84,335,952.07	2.992E+01	Analog	0.10	3
Mg	24	45	2	103931.444	ug/l	0.29	2,466,841.94	1.580E+01	Analog	0.20	3
Al	27	45	1	51.494	ug/l	1.64	61,022.27	2.165E-02	Pulse	0.10	3
Al	27	45	2	50.536	ug/l	15.28	480.02	3.074E-03	Pulse	0.20	3
K	39	45	1	9308.809	ug/l	1.43	13,595,909.38	4.823E+00	Analog	0.10	3
K	39	45	2	8795.351	ug/l	0.62	206,253.68	1.321E+00	Pulse	0.20	3
Ca	43	45	1	234892.224	ug/l	0.69	646,687.03	2.294E-01	Pulse	1.50	3
Ca	43	45	2	223973.273	ug/l	0.86	16,947.66	1.086E-01	Pulse	1.50	3
Ca	44	45	1	239933.933	ug/l	0.23	10,719,744.84	3.802E+00	Analog	0.10	3
Ca	44	45	2	235126.304	ug/l	0.59	295,948.02	1.896E+00	Pulse	0.20	3
Ti	47	45	1	3.599	ug/l	23.78	566.70	2.009E-04	Pulse	0.10	3
Ti	47	45	2	2.585	ug/l	88.98	23.33	1.490E-04	Pulse	0.20	3
V	51	45	2	0.549	ug/l	50.61	471.68	3.022E-03	Pulse	0.20	3
Cr	52	45	2	8.019	ug/l	1.48	3,788.85	2.427E-02	Pulse	0.20	3
Mn	55	45	2	277.905	ug/l	1.41	52,720.80	3.377E-01	Pulse	0.20	3
Fe	56	45	2	566.583	ug/l	1.80	151,073.40	9.678E-01	Pulse	0.20	3
Co	59	45	2	2.124	ug/l	3.64	1,080.06	6.919E-03	Pulse	0.20	3
Ni	60	45	2	2.642	ug/l	3.14	480.02	3.075E-03	Pulse	0.20	3
Cu	63	45	2	0.616	ug/l	20.39	343.34	2.201E-03	Pulse	0.20	3
Cu	65	45	2	0.753	ug/l	23.05	176.67	1.132E-03	Pulse	0.20	3
Zn	66	45	2	28.748	ug/l	4.78	1,815.14	1.163E-02	Pulse	0.20	3
As	75	45	2	-0.183	ug/l	-76.88	8.00	5.141E-05	Pulse	0.50	3
Se	78	45	2	0.094	ug/l	171.87	8.33	5.339E-05	Pulse	1.00	3
Se	78	45	3	0.780	ug/l	36.73	9.67	3.441E-05	Pulse	1.00	3
Sr	88	45	1	740.262	ug/l	0.31	2,324,737.36	8.246E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	0.795	ug/l	28.36	510.03	1.172E-04	Pulse	0.10	3
Ag	107	115	1	-0.008	ug/l	-296.60	83.33	1.610E-05	Pulse	0.10	3
Cd	111	115	1	0.056	ug/l	11.27	29.33	5.673E-06	Pulse	0.25	3
Cd	111	115	2	0.117	ug/l	16.79	17.33	1.444E-05	Pulse	0.25	3
Sn	117	115	1	0.074	ug/l	207.31	106.67	2.071E-05	Pulse	0.10	3
Sn	118	115	1	0.069	ug/l	187.69	390.02	7.527E-05	Pulse	0.10	3
Sn	118	115	2	0.208	ug/l	82.77	123.34	1.024E-04	Pulse	0.10	3
Sn	119	115	1	0.471	ug/l	31.40	306.69	5.942E-05	Pulse	0.10	3
Sb	121	159	1	0.571	ug/l	20.47	730.05	8.238E-05	Pulse	0.10	3
Ba	137	159	1	98.960	ug/l	2.74	50,185.18	5.663E-03	Pulse	0.10	3
Tl	205	209	1	0.322	ug/l	17.26	1,610.15	3.126E-04	Pulse	0.10	3
Pb	208	209	1	0.149	ug/l	14.46	1,173.40	2.279E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,589,603.56	0.56	111.1	Analog	0.10	3
1	Sc	45	2,819,143.92	0.48	118.7	Analog	0.10	3
2	Sc	45	156,113.57	0.75	114.9	Pulse	0.10	3
3	Sc	45	280,113.90	1.29	118.0	Pulse	0.10	3
1	Ge	72	582,707.96	1.31	118.9	Pulse	0.10	3
2	Ge	72	99,513.47	0.99	123.3	Pulse	0.10	3
3	Ge	72	142,183.82	1.60	120.3	Pulse	0.10	3
1	Rh	103	4,350,420.46	0.30	121.7	Analog	0.10	3
2	Rh	103	2,591,798.56	0.85	117.3	Analog	0.10	3
1	In	115	5,168,318.42	1.21	126.9	Analog	0.10	3
2	In	115	1,200,863.52	1.02	115.3	Pulse	0.10	3
1	Tb	159	8,861,689.87	0.92	126.4	Analog	0.10	3
2	Tb	159	4,992,495.34	0.62	119.7	Analog	0.10	3
1	Ho	165	8,626,259.25	0.88	126.9	Analog	0.10	3
2	Ho	165	4,946,770.34	0.17	120.0	Analog	0.10	3
1	Bi	209	5,152,578.05	1.70	117.8	Analog	0.10	3
2	Bi	209	3,408,514.33	0.59	115.5	Analog	0.10	3

Quantitation Report

File Name	122SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 2:31
Sample Name	CCVA 2
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	47.805	ug/l	0.97	128,660.05	9.193E-02	Pulse	0.25	3
B	11	6	1	50.677	ug/l	0.11	128,826.74	9.205E-02	Pulse	0.15	3
Na	23	45	1	4601.820	ug/l	0.22	48,602,695.94	1.981E+01	Analog	0.10	3
Na	23	45	2	4826.061	ug/l	0.61	1,987,993.51	1.455E+01	Analog	0.20	3
Mg	24	45	1	4683.485	ug/l	0.71	32,756,246.18	1.335E+01	Analog	0.10	3
Mg	24	45	2	4586.864	ug/l	0.90	953,200.74	6.974E+00	Pulse	0.20	3
Al	27	45	1	4698.503	ug/l	0.61	43,613,119.35	1.777E+01	Analog	0.10	3
Al	27	45	2	4518.080	ug/l	0.22	348,595.19	2.550E+00	Pulse	0.20	3
K	39	45	1	4912.393	ug/l	0.24	59,914,820.77	2.442E+01	Analog	0.10	3
K	39	45	2	4737.788	ug/l	0.79	953,180.71	6.974E+00	Pulse	0.20	3
Ca	43	45	1	4859.379	ug/l	0.38	116,484.50	4.747E-02	Pulse	1.50	3
Ca	43	45	2	4784.533	ug/l	3.43	3,209.20	2.348E-02	Pulse	1.50	3
Ca	44	45	1	4967.979	ug/l	0.97	1,933,360.39	7.879E-01	Analog	0.10	3
Ca	44	45	2	5128.858	ug/l	1.00	56,534.14	4.136E-01	Pulse	0.20	3
Ti	47	45	1	47.724	ug/l	1.83	56,407.00	2.299E-02	Pulse	0.10	3
Ti	47	45	2	51.288	ug/l	1.34	4,042.23	2.957E-02	Pulse	0.20	3
V	51	45	2	52.536	ug/l	0.85	116,617.96	8.532E-01	Pulse	0.20	3
Cr	52	45	2	53.008	ug/l	0.99	153,891.59	1.126E+00	Pulse	0.20	3
Mn	55	45	2	51.450	ug/l	0.72	85,446.10	6.252E-01	Pulse	0.20	3
Fe	56	45	2	5090.266	ug/l	0.58	11,720,735.25	8.575E+01	Analog	0.20	3
Co	59	45	2	51.543	ug/l	1.24	224,195.68	1.640E+00	Pulse	0.20	3
Ni	60	45	2	50.928	ug/l	1.11	58,455.43	4.277E-01	Pulse	0.20	3
Cu	63	45	2	50.208	ug/l	0.79	155,254.99	1.136E+00	Pulse	0.20	3
Cu	65	45	2	51.149	ug/l	0.58	77,704.84	5.685E-01	Pulse	0.20	3
Zn	66	45	2	52.367	ug/l	0.83	28,283.09	2.069E-01	Pulse	0.20	3
As	75	45	2	55.445	ug/l	1.91	18,357.68	1.343E-01	Pulse	0.50	3
Se	78	45	2	52.767	ug/l	4.53	1,747.10	1.279E-02	Pulse	1.00	3
Se	78	45	3	53.548	ug/l	2.48	5,729.03	2.265E-02	Pulse	1.00	3
Sr	88	45	1	53.771	ug/l	0.97	1,469,858.89	5.990E-01	Analog	0.10	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Mo	95	103	1	47.718	ug/l	1.56	238,080.82	6.087E-02	Pulse	0.10	3
Ag	107	115	1	46.216	ug/l	0.85	551,831.53	1.173E-01	Pulse	0.10	3
Cd	111	115	1	47.463	ug/l	1.34	135,611.04	2.883E-02	Pulse	0.25	3
Cd	111	115	2	50.806	ug/l	2.10	57,346.10	5.176E-02	Pulse	0.25	3
Sn	117	115	1	48.280	ug/l	0.08	133,303.58	2.834E-02	Pulse	0.10	3
Sn	118	115	1	48.428	ug/l	0.80	432,968.77	9.204E-02	Pulse	0.10	3
Sn	118	115	2	51.865	ug/l	0.71	132,975.08	1.200E-01	Pulse	0.10	3
Sn	119	115	1	48.710	ug/l	1.18	157,906.31	3.357E-02	Pulse	0.10	3
Sb	121	159	1	56.563	ug/l	0.23	517,910.41	6.256E-02	Pulse	0.10	3
Ba	137	159	1	49.326	ug/l	0.54	231,185.43	2.793E-02	Pulse	0.10	3
Tl	205	209	1	53.190	ug/l	0.99	1,465,157.89	2.943E-01	Analog	0.10	3
Pb	208	209	1	49.137	ug/l	0.72	1,920,571.78	3.858E-01	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,399,548.62	0.31	97.8	Analog	0.10	3
1	Sc	45	2,453,680.17	0.25	103.3	Analog	0.10	3
2	Sc	45	136,682.01	0.77	100.6	Pulse	0.10	3
3	Sc	45	252,938.04	0.81	106.5	Pulse	0.10	3
1	Ge	72	510,433.27	0.63	104.1	Pulse	0.10	3
2	Ge	72	86,409.19	1.43	107.1	Pulse	0.10	3
3	Ge	72	128,510.64	1.15	108.7	Pulse	0.10	3
1	Rh	103	3,911,333.07	0.30	109.4	Analog	0.10	3
2	Rh	103	2,424,799.39	0.26	109.7	Analog	0.10	3
1	In	115	4,704,383.68	1.18	115.5	Analog	0.10	3
2	In	115	1,108,046.54	1.17	106.3	Pulse	0.10	3
1	Tb	159	8,278,960.50	1.56	118.1	Analog	0.10	3
2	Tb	159	4,749,030.55	1.35	113.8	Analog	0.10	3
1	Ho	165	8,098,096.75	1.32	119.1	Analog	0.10	3
2	Ho	165	4,772,817.53	0.90	115.8	Analog	0.10	3
1	Bi	209	4,978,514.72	1.15	113.8	Analog	0.10	3
2	Bi	209	3,302,617.04	0.09	111.9	Analog	0.10	3

Quantitation Report

File Name	123SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 2:36
Sample Name	CCB
Sample Type	Sample
Comment	
Prep Dilution	1.000
Auto Dilution	N/A
Total Dilution	1.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.002	ug/l	119.00	12.00	8.403E-06	Pulse	0.25	3
B	11	6	1	1.474	ug/l	6.48	4,918.62	3.448E-03	Pulse	0.15	3
Na	23	45	1	0.648	ug/l	13.02	134,305.37	5.364E-02	Pulse	0.10	3
Na	23	45	2	2.310	ug/l	15.23	5,469.33	3.883E-02	Pulse	0.20	3
Mg	24	45	1	0.116	ug/l	39.22	3,490.52	1.393E-03	Pulse	0.10	3
Mg	24	45	2	-0.044	ug/l	-324.84	93.33	6.618E-04	Pulse	0.20	3
Al	27	45	1	-0.153	ug/l	-11.78	3,980.64	1.590E-03	Pulse	0.10	3
Al	27	45	2	0.005	ug/l	3891.05	31.67	2.241E-04	Pulse	0.20	3
K	39	45	1	-0.377	ug/l	-164.93	599,954.60	2.396E-01	Pulse	0.10	3
K	39	45	2	0.306	ug/l	267.52	4,652.40	3.303E-02	Pulse	0.20	3
Ca	43	45	1	0.419	ug/l	38.23	62.00	2.475E-05	Pulse	1.50	3
Ca	43	45	2	-73.465	ug/l	-2.08	1.56	1.108E-05	Pulse	1.50	3
Ca	44	45	1	-1.568	ug/l	-10.77	1,296.77	5.176E-04	Pulse	0.10	3
Ca	44	45	2	-0.658	ug/l	-98.98	11.67	8.224E-05	Pulse	0.20	3
Ti	47	45	1	0.001	ug/l	2750.55	70.00	2.803E-05	Pulse	0.10	3
Ti	47	45	2	0.000	ug/l	---	0.00	0.000E+00	Pulse	0.20	3
V	51	45	2	-0.018	ug/l	-70.02	258.34	1.833E-03	Pulse	0.20	3
Cr	52	45	2	0.611	ug/l	10.15	2,848.65	2.023E-02	Pulse	0.20	3
Mn	55	45	2	0.008	ug/l	93.45	20.00	1.425E-04	Pulse	0.20	3
Fe	56	45	2	0.381	ug/l	24.69	2,795.29	1.986E-02	Pulse	0.20	3
Co	59	45	2	0.001	ug/l	456.99	28.33	2.024E-04	Pulse	0.20	3
Ni	60	45	2	-0.042	ug/l	-20.19	71.67	5.085E-04	Pulse	0.20	3
Cu	63	45	2	-0.008	ug/l	-70.75	90.00	6.385E-04	Pulse	0.20	3
Cu	65	45	2	0.005	ug/l	315.82	50.00	3.547E-04	Pulse	0.20	3

Quantitation Report

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Zn	66	45	2	0.000	ug/l	-8985.66	40.00	2.829E-04	Pulse	0.20	3
As	75	45	2	0.013	ug/l	155.60	18.00	1.280E-04	Pulse	0.50	3
Se	78	45	2	0.013	ug/l	543.98	7.67	5.425E-05	Pulse	1.00	3
Se	78	45	3	0.031	ug/l	35.83	3.67	1.435E-05	Pulse	1.00	3
Sr	88	45	1	0.004	ug/l	20.13	490.03	1.957E-04	Pulse	0.10	3
Mo	95	103	1	0.064	ug/l	21.40	410.02	9.790E-05	Pulse	0.10	3
Ag	107	115	1	0.004	ug/l	35.03	133.34	2.701E-05	Pulse	0.10	3
Cd	111	115	1	0.001	ug/l	114.53	13.33	2.700E-06	Pulse	0.25	3
Cd	111	115	2	0.003	ug/l	125.03	6.67	5.752E-06	Pulse	0.25	3
Sn	117	115	1	0.101	ug/l	14.13	373.35	7.561E-05	Pulse	0.10	3
Sn	118	115	1	0.069	ug/l	15.43	953.39	1.931E-04	Pulse	0.10	3
Sn	118	115	2	0.106	ug/l	55.35	346.69	2.986E-04	Pulse	0.10	3
Sn	119	115	1	0.076	ug/l	10.36	390.02	7.899E-05	Pulse	0.10	3
Sb	121	159	1	0.067	ug/l	27.17	796.72	9.315E-05	Pulse	0.10	3
Ba	137	159	1	0.028	ug/l	17.97	783.38	9.158E-05	Pulse	0.10	3
Tl	205	209	1	0.084	ug/l	17.18	3,167.13	5.982E-04	Pulse	0.10	3
Pb	208	209	1	0.001	ug/l	150.72	636.70	1.203E-04	Pulse	0.10	3

ISTD Table

Tune	Element	Mass	CPS	RSD(%)	ISTD Recovery%	Det	Time(sec)	Rep
1	Li	6	1,426,327.04	0.79	99.7	Analog	0.10	3
1	Sc	45	2,504,090.74	1.35	105.4	Analog	0.10	3
2	Sc	45	140,874.07	1.67	103.7	Pulse	0.10	3
3	Sc	45	255,936.18	0.85	107.8	Pulse	0.10	3
1	Ge	72	533,198.05	1.25	108.8	Pulse	0.10	3
2	Ge	72	90,800.29	0.87	112.5	Pulse	0.10	3
3	Ge	72	131,578.21	1.74	111.3	Pulse	0.10	3
1	Rh	103	4,190,025.46	0.51	117.2	Analog	0.10	3
2	Rh	103	2,537,525.79	0.48	114.8	Analog	0.10	3
1	In	115	4,937,744.08	0.14	121.3	Analog	0.10	3
2	In	115	1,159,910.83	0.35	111.3	Pulse	0.10	3
1	Tb	159	8,554,296.54	0.45	122.0	Analog	0.10	3
2	Tb	159	4,854,863.68	0.26	116.4	Analog	0.10	3
1	Ho	165	8,317,012.59	0.56	122.3	Analog	0.10	3
2	Ho	165	4,837,732.01	0.47	117.4	Analog	0.10	3
1	Bi	209	5,293,415.76	0.33	121.0	Analog	0.10	3
2	Bi	209	3,457,856.82	0.48	117.1	Analog	0.10	3

Quantitation Report

File Name	124SMPL.D
File Path	C:\ICPMH\1\DATA\123012m1.B
Method File	422_AL.m
Method Path	C:\ICPMH\1\METHODS\
Acq Time	12/31/2012 2:41
Sample Name	fa7-3f 1
Sample Type	Sample
Comment	8
Prep Dilution	10.000
Auto Dilution	N/A
Total Dilution	10.000
Operator Name	
Acq Mode	Spectrum
Cal Title	
Cal Type	External Calibration
Last Calib	12/31/2012 8:45
Bkg File	
Bkg Mode	Count Subtraction except for ISTD
Interference File	Acq. Defined
FQ Blank File	
VIS Fit	Point to Point

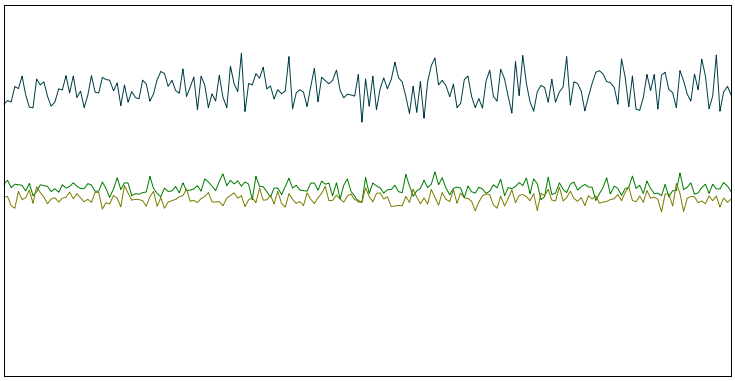
Tune Step	Tune File
1	nogas.u
2	he.u
3	he2.u

FullQuant Table

Element	Mass	ISTD	Tune	Conc	Units	RSD(%)	CPS	Ratio	Det	Time(sec)	Rep
Be	9	6	1	0.028	ug/l	60.09	13.33	9.049E-06	Pulse	0.25	3
B	11	6	1	138.666	ug/l	1.60	38,042.79	2.576E-02	Pulse	0.15	3
Na	23	45	1	326862.047	ug/l	1.38	379,171,327.68	1.404E+02	Analog	0.10	3
Na	23	45	2	348234.982	ug/l	2.13	16,275,893.93	1.048E+02	Analog	0.20	3
Mg	24	45	1	158212.743	ug/l	0.65	121,806,121.52	4.509E+01	Analog	0.10	3
Mg	24	45	2	164814.178	ug/l	1.77	3,893,389.73	2.506E+01	Analog	0.20	3
Al	27	45	1	156.646	ug/l	1.20	165,914.73	6.142E-02	Pulse	0.10	3
Al	27	45	2	165.440	ug/l	7.76	1,485.10	9.560E-03	Pulse	0.20	3
K	39	45	1	27360.845	ug/l	1.56	37,023,979.45	1.371E+01	Analog	0.10	3
K	39	45	2	26786.592	ug/l	2.34	614,791.97	3.957E+00	Pulse	0.20	3
Ca	43	45	1	304859.019	ug/l	0.95	804,121.44	2.977E-01	Pulse	1.50	3
Ca	43	45	2	295104.260	ug/l	2.58	22,205.10	1.429E-01	Pulse	1.50	3
Ca	44	45	1	313029.485	ug/l	1.00	13,398,152.30	4.961E+00	Analog	0.10	3
Ca	44	45	2	313479.751	ug/l	1.42	392,728.86	2.527E+00	Pulse	0.20	3
Ti	47	45	1	28.203	ug/l	2.56	3,740.58	1.385E-03	Pulse	0.10	3
Ti	47	45	2	6.315	ug/l	17.16	56.67	3.641E-04	Pulse	0.20	3
V	51	45	2	10.663	ug/l	4.08	3,017.00	1.941E-02	Pulse	0.20	3
Cr	52	45	2	7.283	ug/l	7.84	3,530.45	2.272E-02	Pulse	0.20	3
Mn	55	45	2	46.786	ug/l	2.23	8,840.88	5.689E-02	Pulse	0.20	3
Fe	56	45	2	231.925	ug/l	2.16	62,789.20	4.041E-01	Pulse	0.20	3
Co	59	45	2	0.280	ug/l	17.20	163.34	1.050E-03	Pulse	0.20	3
Ni	60	45	2	2.964	ug/l	9.06	520.02	3.345E-03	Pulse	0.20	3
Cu	63	45	2	2.893	ug/l	5.64	1,141.73	7.349E-03	Pulse	0.20	3
Cu	65	45	2	3.223	ug/l	9.03	601.69	3.875E-03	Pulse	0.20	3
Zn	66	45	2	14.318	ug/l	9.85	923.38	5.934E-03	Pulse	0.20	3
As	75	45	2	13.722	ug/l	7.10	530.68	3.418E-03	Pulse	0.50	3
Se	78	45	2	6.578	ug/l	20.15	32.67	2.099E-04	Pulse	1.00	3
Se	78	45	3	7.126	ug/l	1.00	86.67	3.028E-04	Pulse	1.00	3
Sr	88	45	1	1071.537	ug/l	0.45	3,223,952.14	1.194E+00	Analog	0.10	3
Mo	95	103	1	2.451	ug/l	12.57	1,346.78	3.284E-04	Pulse	0.10	3
Ag	107	115	1	-0.007	ug/l	-475.52	80.00	1.619E-05	Pulse	0.10	3
Cd	111	115	1	0.086	ug/l	34.99	37.33	7.527E-06	Pulse	0.25	3

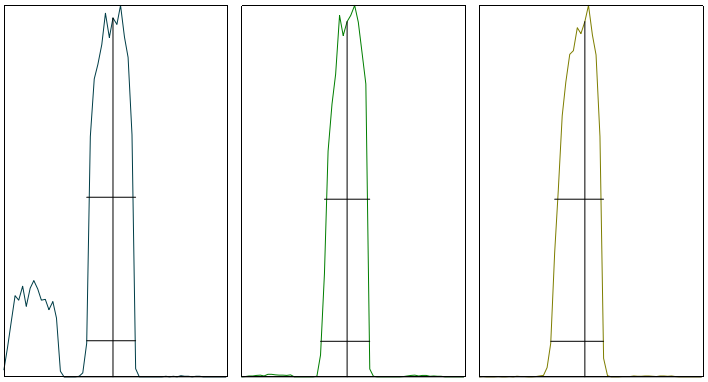
Tune Report

Tune File : nogas.u
Comment : 123012A



Integration Time:	0.1000 sec	
Sampling Period:	0.3100 sec	
n:	200	
Oxide:	156/140	0.863%
Doubly Charged:	70/140	6.149%

m/z	Range	Count	Mean	RSD%	Background
7	1,000	757.0	775.4	4.86	0.10
89	5,000	2491.0	2540.8	3.03	0.30
205	5,000	2389.0	2394.8	3.00	0.90



m/z:	7	89	205
Height:	770	2,472	2,394
Axis:	7.00	88.95	204.95
W-50%:	0.65	0.60	0.65
W-10%:	0.6500	0.6500	0.700

Integration Time:	0.1000 sec
Acquisition Time:	22.7600 sec

Y axis : Linear

7.3.1

7

Generated : Dec 30, 2012 15:21:07
Printed : Dec 30, 2012 15:21:10

Tune Report

Tune File : nogas.u
Comment : 123012A

Tuning Parameters

===Plasma Condition===			===Ion Lenses===			===Q-Pole Parameters===		
RF Power	1500	W	Extract 1	0	V	AMU Gain	125	
RF Matching	1.6	V	Extract 2	-140	V	AMU Offset	129	
Smpl Depth	7	mm	Omega Bias	-70	V	Axis Gain	0.9993	
Torch-H	0.2	mm	Omega Lens	10.2	V	Axis Offset	0.02	
Torch-V	-0.7	mm	Cell Entrance	-30	V	QP Bias	-3	V
Carrier Gas	0.67	L/min	Cell Exit	-50	V			
Dilution Mode	ON		Deflect	13.2	V	===Detector Parameters===		
Dilution Gas	0.42	L/min	Plate Bias	-40	V	Discriminator	4.5	mV
Optional Gas	---	%	===Octopole Parameters===			Analog HV	2155	V
Nebulizer Pump	0.1	rps	OctP RF	160	V	Pulse HV	1551	V
Sample Pump	---	rps	OctP Bias	-8	V			
S/C Temp	2	degC						

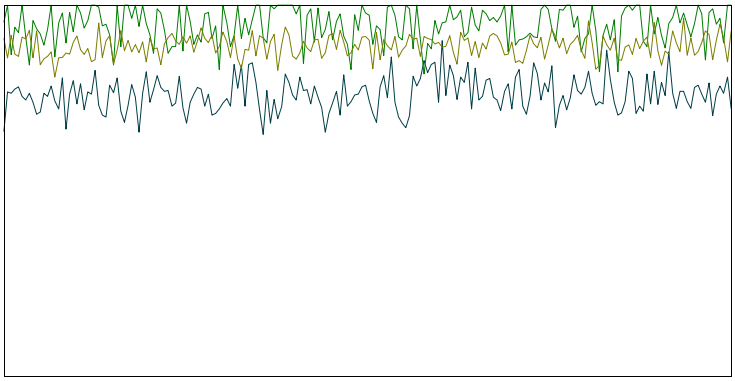
===Reaction Cell===								
Reaction Mode	OFF							
H2 Gas	---	mL/min	He Gas	0	mL/min	Optional Gas	---	%

7.3.1

7

Tune Report

Tune File : he.u
Comment : 123012A



Integration Time: 0.1000 sec
Sampling Period: 0.3100 sec
n: 200
Oxide: 156/140 0.293%
Doubly Charged: 70/140 1.376%

m/z	Range	Count	Mean	RSD%	Background
59	500	361.0	380.0	6.11	0.00
89	500	514.0	477.0	6.11	0.00
205	2,000	1859.0	1779.5	3.29	0.10

Tuning Parameters

===Plasma Condition===			===Ion Lenses===			===Q-Pole Parameters===		
RF Power	:	1500 W	Extract 1	:	0 V	AMU Gain	:	125
RF Matching	:	1.6 V	Extract 2	:	-140 V	AMU Offset	:	129
Smpl Depth	:	7 mm	Omega Bias	:	-70 V	Axis Gain	:	0.9993
Torch-H	:	0.2 mm	Omega Lens	:	10.2 V	Axis Offset	:	0.02
Torch-V	:	-0.7 mm	Cell Entrance	:	-40 V	QP Bias	:	-15 V
Carrier Gas	:	0.67 L/min	Cell Exit	:	-60 V			
Dilution Mode	:	ON	Deflect	:	1 V	===Detector Parameters===		
Dilution Gas	:	0.42 L/min	Plate Bias	:	-60 V	Discriminator	:	4.5 mV
Optional Gas	:	--- %	===Octopole Parameters===			Analog HV	:	2155 V
Nebulizer Pump	:	0.1 rps	OctP RF	:	160 V	Pulse HV	:	1551 V
Sample Pump	:	--- rps	OctP Bias	:	-18 V			
S/C Temp	:	2 degC						

===Reaction Cell===

Reaction Mode	:	ON						
H2 Gas	:	--- mL/min	He Gas	:	4.3 mL/min	Optional Gas	:	--- %

Generated : Dec 30, 2012 15:24:03
Printed : Dec 30, 2012 15:24:05

QC Tune Report

Data File: C:\ICPMH\1\7500\QCTUNE.D
Date Acquired: 30 Dec 2012 03:31:13 pm
Operator:
Misc Info:
Vial Number: 0
Current Method: C:\ICPMH\1\METHODS\PERF.m

Minimum Response(CPS)

Element		Actual	Required	Flag
9	Be	2207.11	0.00	
24	Mg	6936.65	0.00	
25	Mg	946.16	0.00	
26	Mg	1035.26	0.00	
59	Co	11060.70	0.00	
115	In	24087.70	0.00	
206	Pb	7917.70	0.00	
207	Pb	6560.85	0.00	
208	Pb	16167.50	0.00	

RSD (%)

Element		Actual	Required	Flag
9	Be	1.63	5.00	
24	Mg	1.18	5.00	
25	Mg	1.43	5.00	
26	Mg	2.46	5.00	
59	Co	0.71	5.00	
115	In	0.33	5.00	
206	Pb	0.72	5.00	
207	Pb	1.91	5.00	
208	Pb	0.62	5.00	

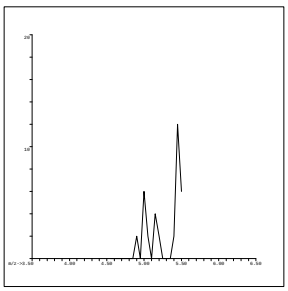
Ion Ratio

Element		Actual	Required	Flag
9	Be	0.09	0.00-1.00	
24	Mg	0.29	0.00-1.00	
25	Mg	0.04	0.00-1.00	
26	Mg	0.04	0.00-1.00	
59	Co	0.46	0.00-1.00	
206	Pb	0.33	0.00-1.00	
207	Pb	0.27	0.00-1.00	
208	Pb	0.67	0.00-1.00	

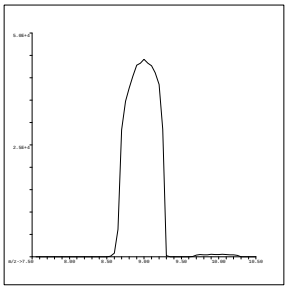
Maximum Bkg. Count(CPS)

Element	Actual	Required	Flag
5Bkgrnd	2.67	100.00	

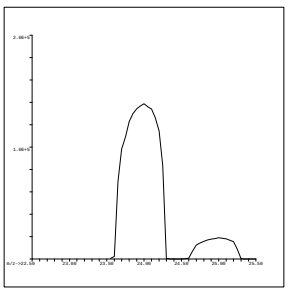
C:\ICPMH\1\7500\QCTUNE.D



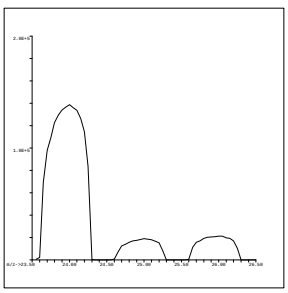
Bkg Spectrum



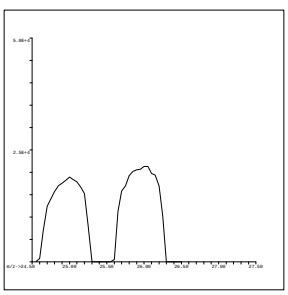
9 Be
Mass Calib.
Actual: 9.00
Required: 8.90-9.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



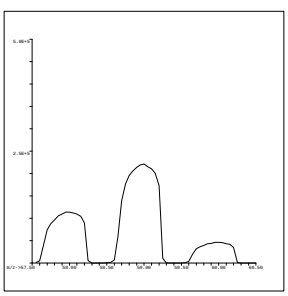
24 Mg
Mass Calib.
Actual: 24.00
Required: 23.90-24.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



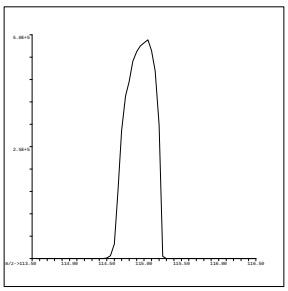
25 Mg
Mass Calib.
Actual: 25.00
Required: 24.90-25.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



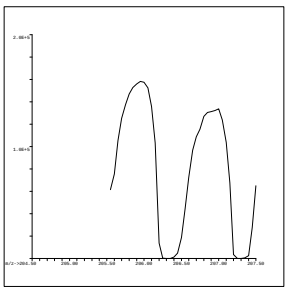
26 Mg
Mass Calib.
Actual: 25.95
Required: 25.90-26.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



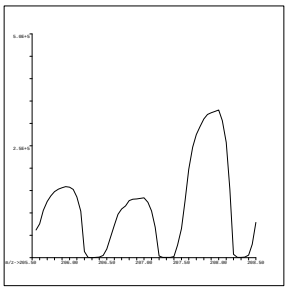
59 Co
Mass Calib.
Actual: 59.00
Required: 58.90-59.10
Flag:
Peak Width
Actual: 0.55
Required: 0.90
Flag:



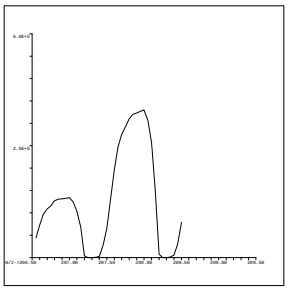
115 In
Mass Calib.
Actual: 115.00
Required: 114.90-115.10
Flag:
Peak Width
Actual: 0.55
Required: 0.90
Flag:



206 Pb
Mass Calib.
Actual: 205.95
Required: 205.90-206.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:



207 Pb
Mass Calib.
Actual: 206.90
Required: 206.90-207.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:

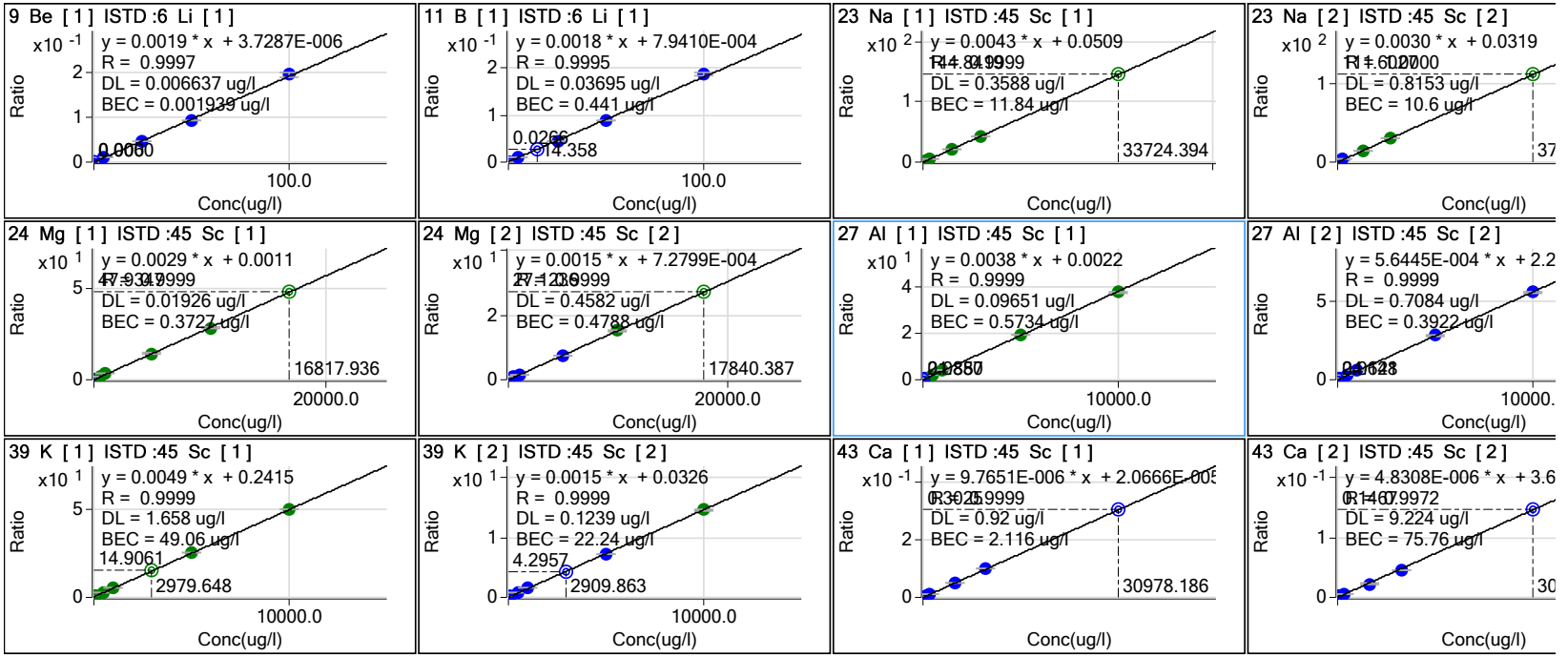


208 Pb
Mass Calib.
Actual: 207.90
Required: 207.90-208.10
Flag:
Peak Width
Actual: 0.60
Required: 0.90
Flag:

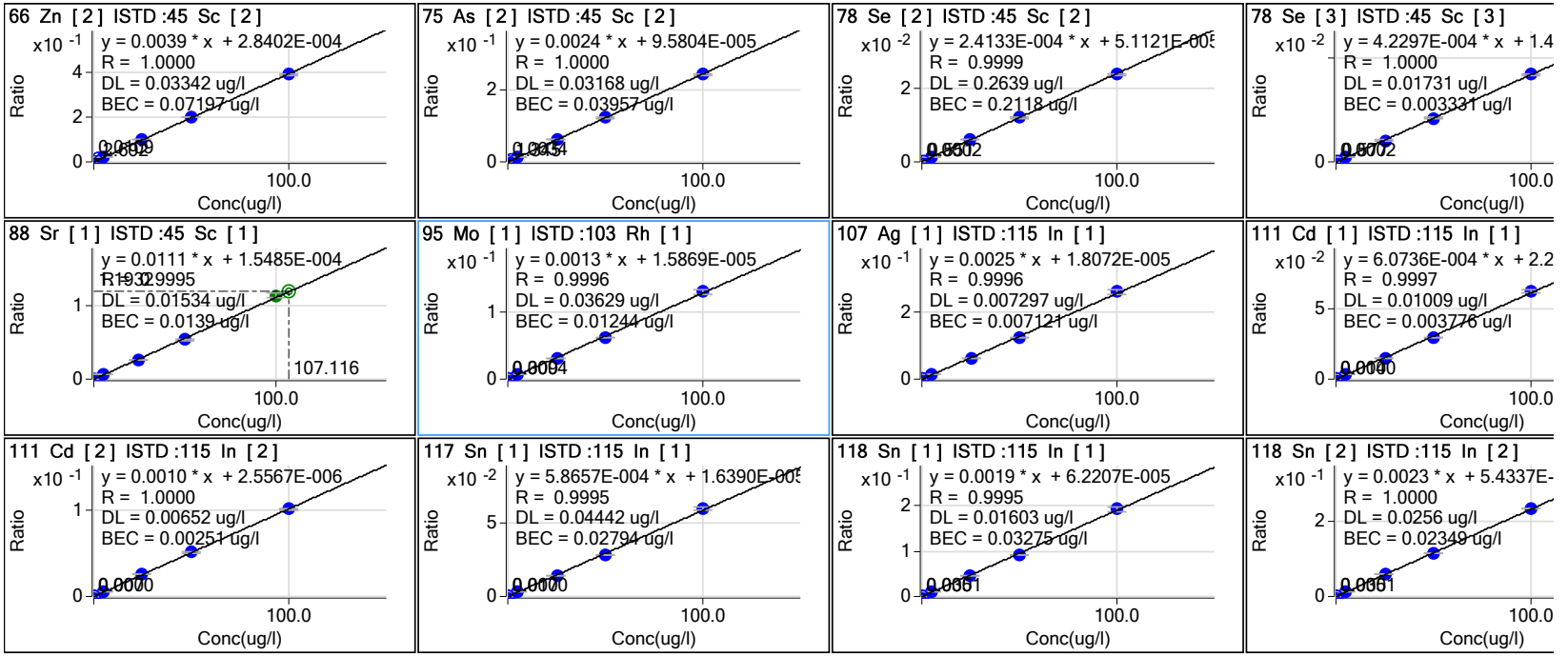
QC Tune Result:Pass

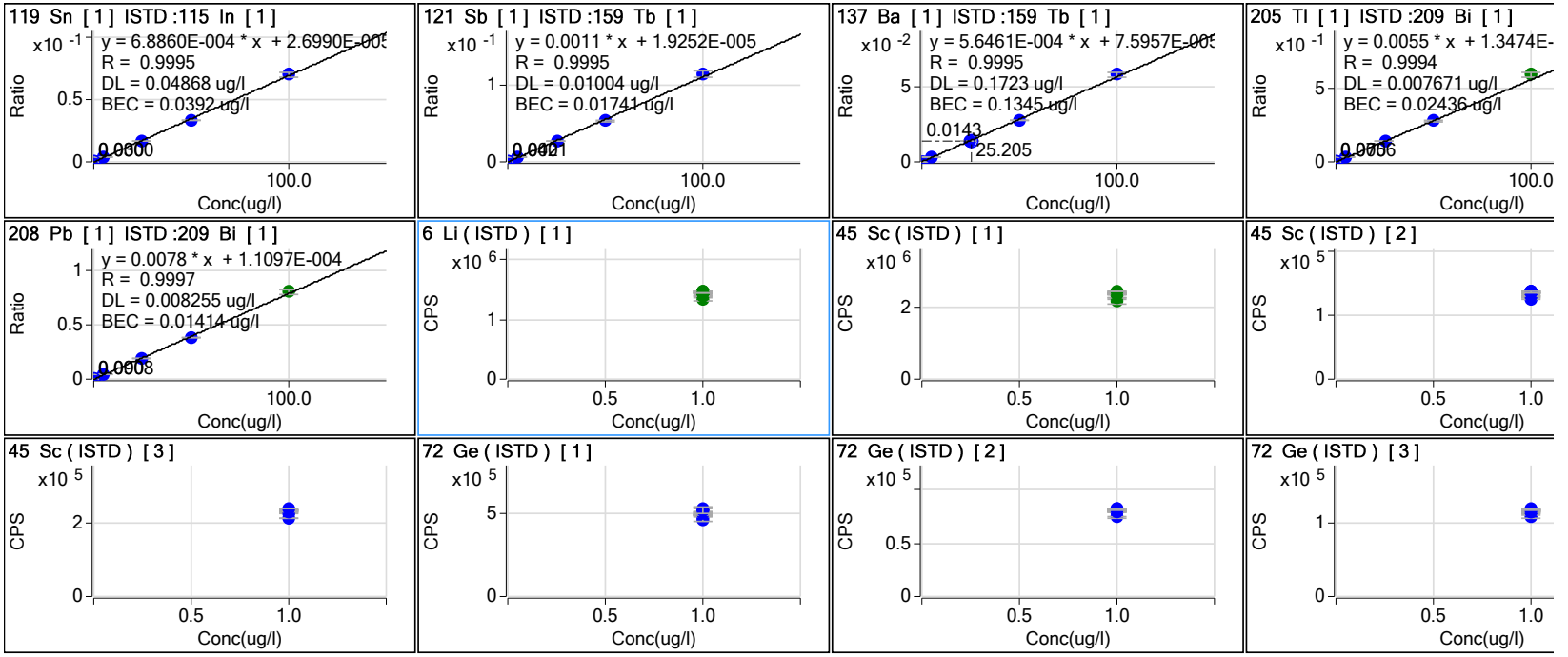
Sample		
	Rjct	
	Data File	001SMPL.D
	Acq. Date-Time	12/30/2012 3:44 PM
	Type	Sample
	Level	
	Sample Name	Performance
9 Be [1]	CPS	25221.814
	CPS RSD	1.139633009
9 Be [1] Replicate Data	Rep01	
	CPS Rep01	24862.07
	Rep02	
	CPS Rep02	25068.36
	Rep03	
	CPS Rep03	25148.56
	Rep04	
	CPS Rep04	25505.42
	Rep05	
	CPS Rep05	25524.66
24 Mg [1]	CPS	83660.538
	CPS RSD	0.302808895
24 Mg [1] Replicate Data	Rep01	
	CPS Rep01	83791.6
	Rep02	
	CPS Rep02	84008.19
	Rep03	
	CPS Rep03	83364.29
	Rep04	
	CPS Rep04	83484.87
	Rep05	
	CPS Rep05	83653.74
25 Mg [1]	CPS	10817.686
	CPS RSD	0.981021374
25 Mg [1] Replicate Data	Rep01	
	CPS Rep01	10718.38
	Rep02	
	CPS Rep02	10874.03
	Rep03	
	CPS Rep03	10716.38
	Rep04	
	CPS Rep04	10814.51
	Rep05	
	CPS Rep05	10965.13
26 Mg [1]	CPS	12817.964
	CPS RSD	0.888811445
26 Mg [1] Replicate Data	Rep01	
	CPS Rep01	12805.19
	Rep02	
	CPS Rep02	12859.76
	Rep03	
	CPS Rep03	12892.74
	Rep04	
	CPS Rep04	12905.76
	Rep05	
	CPS Rep05	12626.37
59 Co [1]	CPS	119272.064
	CPS RSD	0.871870558
	Rep01	
	CPS Rep01	118062.36

59 Co [1] Replicate Data	Rep02	
	CPS Rep02	118443.86
	Rep03	
	CPS Rep03	119227.07
	Rep04	
	CPS Rep04	120363.42
	Rep05	
	CPS Rep05	120263.61
115 In [1]	CPS	248575.252
	CPS RSD	0.741053023
115 In [1] Replicate Data	Rep01	
	CPS Rep01	246251.33
	Rep02	
	CPS Rep02	247344.13
	Rep03	
	CPS Rep03	249442.7
	Rep04	
	CPS Rep04	248848.39
	Rep05	
	CPS Rep05	250989.71
206 Pb [1]	CPS	87726.866
	CPS RSD	0.665630614
206 Pb [1] Replicate Data	Rep01	
	CPS Rep01	86902.08
	Rep02	
	CPS Rep02	87753.9
	Rep03	
	CPS Rep03	87432.56
	Rep04	
	CPS Rep04	88270.16
	Rep05	
	CPS Rep05	88275.63
207 Pb [1]	CPS	76649.454
	CPS RSD	0.633330606
207 Pb [1] Replicate Data	Rep01	
	CPS Rep01	75974.07
	Rep02	
	CPS Rep02	76857.58
	Rep03	
	CPS Rep03	76314.08
	Rep04	
	CPS Rep04	76985.27
	Rep05	
	CPS Rep05	77116.27
208 Pb [1]	CPS	183429.522
	CPS RSD	0.972496492
208 Pb [1] Replicate Data	Rep01	
	CPS Rep01	180463.32
	Rep02	
	CPS Rep02	183453.3
	Rep03	
	CPS Rep03	183669.23
	Rep04	
	CPS Rep04	184449.44
	Rep05	
	CPS Rep05	185112.32


9 Be [1] ISTD :6 Li [1]
y = 0.0019 * x + 3.7287E-006
R = 0.9997
DL = 0.006637 ug/l
BEC = 0.001939 ug/l
11 B [1] ISTD :6 Li [1]
y = 0.0018 * x + 7.9410E-004
R = 0.9995
DL = 0.03695 ug/l
BEC = 0.441 ug/l
23 Na [1] ISTD :45 Sc [1]
y = 0.0043 * x + 0.0509
DL = 0.3588 ug/l
BEC = 11.84 ug/l
33724.394
23 Na [2] ISTD :45 Sc [2]
y = 0.0030 * x + 0.0319
DL = 0.8153 ug/l
BEC = 10.6 ug/l
24 Mg [1] ISTD :45 Sc [1]
y = 0.0029 * x + 0.0011
DL = 0.01926 ug/l
BEC = 0.3727 ug/l
16817.936
24 Mg [2] ISTD :45 Sc [2]
y = 0.0015 * x + 7.2799E-004
DL = 0.4582 ug/l
BEC = 0.4788 ug/l
17840.387
27 Al [1] ISTD :45 Sc [1]
y = 0.0038 * x + 0.0022
R = 0.9999
DL = 0.09651 ug/l
BEC = 0.5734 ug/l
27 Al [2] ISTD :45 Sc [2]
y = 5.6445E-004 * x + 2.2
R = 0.9999
DL = 0.7084 ug/l
BEC = 0.3922 ug/l
39 K [1] ISTD :45 Sc [1]
y = 0.0049 * x + 0.2415
R = 0.9999
DL = 1.658 ug/l
BEC = 49.06 ug/l
14.9061
2979.648
39 K [2] ISTD :45 Sc [2]
y = 0.0015 * x + 0.0326
R = 0.9999
DL = 0.1239 ug/l
BEC = 22.24 ug/l
4.2957
2909.863
43 Ca [1] ISTD :45 Sc [1]
DL = 0.92 ug/l
BEC = 2.116 ug/l
30978.186
43 Ca [2] ISTD :45 Sc [2]
DL = 9.224 ug/l
BEC = 75.76 ug/l
Ratio
Conc(ug/l)

44 Ca [1] ISTD :45 Sc [1]
y = 1.5845E-004 * x + 7.6608E-00
R = 0.9999
DL = 1.201 ug/l
BEC = 4.835 ug/l
31579.551
Ratio
Conc(ug/l)
44 Ca [2] ISTD :45 Sc [2]
y = 8.0620E-005 * x + 1.3532E-00
R = 0.9992
DL = 2.897 ug/l
BEC = 1.678 ug/l
31784.215
Ratio
Conc(ug/l)
47 Ti [1] ISTD :45 Sc [1]
x10 -2
y = 4.8111E-004 * x + 2.7723E-00
R = 0.9995
DL = 0.09294 ug/l
BEC = 0.05762 ug/l
Ratio
Conc(ug/l)
47 Ti [2] ISTD :45 Sc [2]
x10 -2
y = 5.7660E-004 * x + 0.0
R = 1.0000
DL = 0 ug/l
BEC = 0 ug/l
Ratio
Conc(ug/l)
51 V [2] ISTD :45 Sc [2]
y = 0.0162 * x + 0.0021
R = 1.0000
DL = 0.08772 ug/l
BEC = 0.1316 ug/l
Ratio
Conc(ug/l)
52 Cr [2] ISTD :45 Sc [2]
y = 0.0211 * x + 0.0073
R = 0.9999
DL = 0.1035 ug/l
BEC = 0.3483 ug/l
Ratio
Conc(ug/l)
55 Mn [2] ISTD :45 Sc [2]
y = 0.0122 * x + 3.9883E-005
R = 0.9999
DL = 7.472E-05 ug/l
BEC = 0.003282 ug/l
Ratio
Conc(ug/l)
56 Fe [2] ISTD :45 Sc [2]
x10 2
y = 0.0168 * x + 0.0134
R = 0.9999
DL = 0.05157 ug/l
BEC = 0.7977 ug/l
Ratio
Conc(ug/l)
59 Co [2] ISTD :45 Sc [2]
y = 0.0318 * x + 1.5889E-004
R = 0.9999
DL = 0.003407 ug/l
BEC = 0.004993 ug/l
Ratio
Conc(ug/l)
60 Ni [2] ISTD :45 Sc [2]
y = 0.0084 * x + 8.6094E-004
R = 1.0000
DL = 0.06386 ug/l
BEC = 0.1027 ug/l
Ratio
Conc(ug/l)
63 Cu [2] ISTD :45 Sc [2]
y = 0.0226 * x + 8.0877E-004
R = 0.9999
DL = 0.0331 ug/l
BEC = 0.03577 ug/l
Ratio
Conc(ug/l)
65 Cu [2] ISTD :45 Sc [2]
y = 0.0111 * x + 2.9507E-
R = 0.9999
DL = 0.0365 ug/l
BEC = 0.02656 ug/l
Ratio
Conc(ug/l)


66 Zn [2] ISTD :45 Sc [2]
y = 0.0039 * x + 2.8402E-004
R = 1.0000
DL = 0.03342 ug/l
BEC = 0.07197 ug/l
75 As [2] ISTD :45 Sc [2]
y = 0.0024 * x + 9.5804E-005
R = 1.0000
DL = 0.03168 ug/l
BEC = 0.03957 ug/l
78 Se [2] ISTD :45 Sc [2]
y = 2.4133E-004 * x + 5.1121E-00
R = 0.9999
DL = 0.2639 ug/l
BEC = 0.2118 ug/l
78 Se [3] ISTD :45 Sc [3]
y = 4.2297E-004 * x + 1.4
R = 1.0000
DL = 0.01731 ug/l
BEC = 0.003331 ug/l
88 Sr [1] ISTD :45 Sc [1]
y = 0.0111 * x + 1.5485E-004
R = 0.9995
DL = 0.01534 ug/l
BEC = 0.0139 ug/l
107.116
95 Mo [1] ISTD :103 Rh [1]
y = 0.0013 * x + 1.5869E-005
R = 0.9996
DL = 0.03629 ug/l
BEC = 0.01244 ug/l
107 Ag [1] ISTD :115 In [1]
y = 0.0025 * x + 1.8072E-005
R = 0.9996
DL = 0.007297 ug/l
BEC = 0.007121 ug/l
111 Cd [1] ISTD :115 In [1]
y = 6.0736E-004 * x + 2.2
R = 0.9997
DL = 0.01009 ug/l
BEC = 0.003776 ug/l
111 Cd [2] ISTD :115 In [2]
y = 0.0010 * x + 2.5567E-006
R = 1.0000
DL = 0.00652 ug/l
BEC = 0.00251 ug/l
117 Sn [1] ISTD :115 In [1]
y = 5.8657E-004 * x + 1.6390E-00
R = 0.9995
DL = 0.04442 ug/l
BEC = 0.02794 ug/l
118 Sn [1] ISTD :115 In [1]
y = 0.0019 * x + 6.2207E-005
R = 0.9995
DL = 0.01603 ug/l
BEC = 0.03275 ug/l
118 Sn [2] ISTD :115 In [2]
y = 0.0023 * x + 5.4337E-
R = 1.0000
DL = 0.0256 ug/l
BEC = 0.02349 ug/l
Ratio
Conc(ug/l)
100.0


119 Sn [1] ISTD :115 In [1]
y = 6.8860E-004 * x + 2.6990E-00
R = 0.9995
DL = 0.04868 ug/l
BEC = 0.0392 ug/l
x10 -1
Ratio
Conc(ug/l)
121 Sb [1] ISTD :159 Tb [1]
y = 0.0011 * x + 1.9252E-005
R = 0.9995
DL = 0.01004 ug/l
BEC = 0.01741 ug/l
x10 -1
Ratio
Conc(ug/l)
137 Ba [1] ISTD :159 Tb [1]
y = 5.6461E-004 * x + 7.5957E-00
R = 0.9995
DL = 0.1723 ug/l
BEC = 0.1345 ug/l
0.0143
25.205
x10 -2
Ratio
Conc(ug/l)
205 Tl [1] ISTD :209 Bi [1]
y = 0.0055 * x + 1.3474E-
R = 0.9994
DL = 0.007671 ug/l
BEC = 0.02436 ug/l
x10 -1
Ratio
Conc(ug/l)
208 Pb [1] ISTD :209 Bi [1]
y = 0.0078 * x + 1.1097E-004
R = 0.9997
DL = 0.008255 ug/l
BEC = 0.01414 ug/l
Ratio
Conc(ug/l)
6 Li (ISTD) [1]
x10 6
CPS
Conc(ug/l)
45 Sc (ISTD) [1]
x10 6
CPS
Conc(ug/l)
45 Sc (ISTD) [2]
x10 5
CPS
Conc(ug/l)
45 Sc (ISTD) [3]
x10 5
CPS
Conc(ug/l)
72 Ge (ISTD) [1]
x10 5
CPS
Conc(ug/l)
72 Ge (ISTD) [2]
x10 5
CPS
Conc(ug/l)
72 Ge (ISTD) [3]
x10 5
CPS
Conc(ug/l)

103 Rh (ISTD) [1]
x10 6
4
2
0
CPS
0.5
1.0
Conc(ug/l)
103 Rh (ISTD) [2]
x10 6
2
0
CPS
0.5
1.0
Conc(ug/l)
115 In (ISTD) [1]
x10 6
0
CPS
0.5
1.0
Conc(ug/l)
115 In (ISTD) [2]
x10 6
1
0
CPS
0.5
1.0
Conc(ug/l)
159 Tb (ISTD) [1]
x10 7
0.5
0
CPS
0.5
1.0
Conc(ug/l)
159 Tb (ISTD) [2]
x10 6
0
CPS
0.5
1.0
Conc(ug/l)
165 Ho (ISTD) [1]
x10 7
0.5
0
CPS
0.5
1.0
Conc(ug/l)
165 Ho (ISTD) [2]
x10 6
0
CPS
0.5
1.0
Conc(ug/l)
209 Bi (ISTD) [1]
x10 6
5
0
CPS
0.5
1.0
Conc(ug/l)
209 Bi (ISTD) [2]
x10 6
2
0
CPS
0.5
1.0
Conc(ug/l)

(2)

ACCUTEST

Aqueous Digestion Log MP Batch ID: MP68805
ICP DIGESTION METHOD: SW846 3010A
Heating Method: Digestion Block
Method Blank ID:
Lab Control/Spike Blank ID:
Lab Control Source:

Prep Date: 12/27/12
Start Time: 10:30 Start Temp: 91+1=92 Thermometer ID #: 390
End Time: 16:30 End Temp: 94+1=95

DUP 1 Sample ID:
DUP 2 Sample ID:
MS 1 Sample ID: JB24613-6
MS 2 Sample ID: JB24613-6

Acceptable temperature Ranges:
EPA 200.7 90 to 95 deg. C
SW846 3010A, 3020A, 3050B 90 to 95 deg. C

Note: Serial dilution shown for QC tracking only. Not a separate digestate.

Sample ID	Pres Y / N	Initial Sample Volume	Final Volume in ML	Acids Used: Amount and Name	Acids Used: Added - Y or N	Spikes Used: Amount and Name	Spikes Used: Added - Y or N	Comments
MP68805-MB 1	N	50	50	3.0 ml conc. HNO3	Y			
MP -LC 1	Y			5.0 ml 1:1 HCL	Y			
MP -S 1						0.50 ml SP, 0.50 ml MIN1	Y	
MP -S 2						0.50 ml SP, 0.50 ml MIN1	Y	
MP -SD 1								
MP -B								
1 JB24613-1								
2 -2								
3 -3								
4 -4								
5 -5								
6 -6								
7 -7								
8 -8								
9 -9								
10 -10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

Analyst: D.A. [signature] QC Reviewer: [signature] 12/27/12

Form AA018C-01
Rev. Date: 01/15/10

7.4.1
7

ACCUTEST.

Aqueous Digestion Reagent Information Log

Digestion Reagents Information Log

Digestion Batch ID: MP 68805
Matrix: AQ

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	6/22/13	MP - 013 - 500 -SP
Spiking Solution - Min. Spike	6/5/13	MP - 013 - 495 -MIN1
Spiking Solution - Odd Spike	6/12/13	MP - 013 - 497 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	12/2014	E Lot# 0000025627 J.T. Baker
Nitric Acid (1:1)	6/24/13	MP - 014 - 976 -HNO3 (1:1)
Hydrochloric Acid	6/24/13	MP - 014 - 977 -HCl (1:1)
Hydrogen Peroxide		Lot #: Mfg.
Lab Control	6/24/13	MP - 080 - 220 -LCW
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: FC005928 Mfg. Fisher Scientific
Digestion Tubes Lot	N/A	Lot #: 1208057 Mfg. Environmental Express

Form: AA014B-01
Rev. Date: 5/12/08

ACCUTEST.

Aqueous Digestion Log MP Batch ID: MP68805A
ICP Digestion Method: SW846 3010A
Heating Method Digestion Block

Method Blank ID:	Prep Date: 1/8/2013
Lab Control/Spike Blank ID:	Start Time: 9:30 Start Temp: 90+0=90 Thermometer ID#: 25A
Lab Control Source:	End Time:: 15:30 End Temp: 93+0=93
DUP 1 Sample ID:	Acceptable temperature Ranges:
DUP 2 Sample ID:	SW846 3010A 90 to 95 deg. C
MS 1 Sample ID:	
MS 2 Sample ID:	

Note: Serial dilution shown for QC tracking only. Not a separate digestate

Sample ID	Pres pH < 2 Y / N (a)	Initial Sample Volume	Final Volume in ML	Acids Used		Spikes Used		Comments
				Amount and Name	Added- Y or N	Amount and Name	Added- Y or N	
MP68805-MB2	N	50ML	50ML	3.0 ml conc HNO3	Y			
MP68805-LC2	Y	↓	↓	5 ml of 1:1 HCl	Y			
FA426-2	Y	↓	↓	↓		0.50 ml SP, 0.5 ml MIN1	N	
FA426-3	Y	↓	↓	↓		0.50 ml SP, 0.5 ml MIN1	N	

(a) If the sample pH is not < 2, then adjust it to pH < 2 with nitric acid and record both the initial and final pH.

Analyst: R.A. Patel QC Reviewer: 1/8/13

Rev. Date: 09/26/03
FORM: AA-018A

ACCUTEST

Aqueous Digestion Reagent Information Log

Digestion Reagents Information Log

Digestion Batch ID: MP 68805A
Matrix: AQ

Standard/Reagent Type	Exp. Date	Standard/Reagent ID
Spiking Solution - Reg. Spike	6/28/13	MP - 013 - 502 -SP
Spiking Solution - Min. Spike	7/4/13	MP - 013 - 503 -MIN1
Spiking Solution - Odd Spike	4/24/13	MP - 013 - 497 -ODD
Spiking Solution - Other		
Spiking Solution - Other		
Nitric Acid	1/2015	E/ Lot # 25627 J.T Baker
Nitric Acid (1:1)	7/4/13	MP - 014 - 988 -HNO3 (1:1)
Hydrochloric Acid	7/3/13	MP - 014 - 987 -HCl (1:1)
Hydrogen Peroxide		Lot #: Mfg.
Lab Control	7/7/13	MP - 080 224 -LCW
Spike Blank		
Filter Lot (sample filtration)	N/A	Lot #: FC005928 Mfg. Fisher Sci
Digestion Tubes Lot	N/A	Lot #: 120805 7 Mfg. ENVIRON EXP.

Form: AA014B-01
Rev. Date: 5/12/08