FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME :	CHEMTECH CONSULTING GROUP, INC.		
CITY / STATE :	MOUNTAINSIDE, NJ		
CASE NO :	42753	SDG NO :	MH3BP4
SDG NOs TO FOLLOW			
NRAS NO :	2236.0		
CONTRACT NO :	EPW09038		
SOW NO :	ISM01.3		

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

		PAGE NOS: FROM	TO	CHECK LAB	REGION
1.	Inventory Sheet (DC-2)	1	2	✓	
2.	SDG Narrative	3	5	✓	
3.	Sample Log-In Sheet (DC-1)	6	6	✓	
4.	Traffic Report/Chain of Custody Record(s)	7	10	✓	
5.	Cover Page	11	11	✓	
	Inorganic Analysis				
6.	Data Sheet (Form IA-IN)	12	18	✓	
7.	Initial & Continuing Calibration Verification (Form IIA-IN)	19	23	✓	
8.	Blanks (Form III-IN)	24	26	✓	
9.	ICP-AES Interference Check Sample (Form IVA-IN)	---	---	✓	
10.	ICP-MS Interference Check Sample (Form IVB-IN)	27	28	✓	
11.	Matrix Spike Sample Recovery (Form VA-IN)	29	29	✓	
12.	Post-Digestion Spike Sample Recovery (Form VB-IN)	30	30	✓	
13.	Duplicates (Form VI-IN)	31	31	✓	
14.	Laboratory Control Sample (Form VII-IN)	32	32	✓	
15.	ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	33	33	✓	
16.	Method Detection Limits (Annually) (Form IX-IN)	34	34	✓	
17.	ICP-AES Interelement Correction Factors (Annually) (Form XA-IN)	---	---	✓	
18.	ICP-AES Interelement Correction Factor (Annually) (Form XB-IN)	---	---	✓	
19.	Internal Standard Association (Form XI-IN)	35	35	✓	
20.	Preparation Log (Form XII-IN)	36	36	✓	
21.	Analysis Run Log (Form XIII-IN)	37	39	✓	
22.	ICP-MS Tune (Form XIV-IN)	40	40	✓	
23.	ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	41	46	✓	
24.	Initial Calibration (Form XVI-IN)	47	48	✓	
25.	ICP-AES Raw Data	---	---	✓	
26.	ICP-MS Raw Data	49	404	✓	
27.	Mercury Raw Data	---	---	✓	

28.	Cyanide Raw Data	---	---	✓	
29.	Preparation Logs Raw Data	405	407	✓	
30.	Percent Solids Determination Log	---	---	✓	
31.	**USEPA Shipping/Receiving Documents**				
	Airbill (No. of Shipments) 1	408	408	✓	
	Sample Tags (*In a Plastic Bag w/ Page #)*	---	---	✓	
	Sample Log-In Sheet (Lab)	409	409	✓	
32.	Misc. Shipping/Receiving Records				
	(list all individual records)				
	Telephone log	410	419	✓	
	PE Instuction Page	---	---	✓	
	Modified Analysis Page	421	425	✓	
33.	Internal Lab Sample Transfer Records &				
	Tracking Sheets (describe or list)				
	Internal Lab COC	420	420	✓	
	Miscellaneous	---	---	✓	
34.	Internal Original Sample Prep &				
	Analysis Records (describe or list)				
	Prep Records	---	---	✓	
	Analysis Records	---	---	✓	
	Description	---	---	✓	
35.	Other Records (describe or list) Communications Log	---	---	✓	
36.	Comments : ---				

Completed By :

(CLP Lab) Mildred V. Reyes (Signature) | Mildred V. Reyes,Document Control Officer (Print Name & Title) | 7/27/12 (Date)

Audited By :

(USEPA) _____ (Signature) | _____ (Print Name & Title) | _____ (Date)

FORM DC-2-2 ISM01.3

CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG #MH3BP4
CASE # 42753
CONTRACT # EPW09038
LAB NAME: CHEMTECH CONSULTING GROUP
LAB CODE: CHEM
CHEMTECH PROJECT #D3487
MODIFIED ANALYSIS # MA2236.0

A. Number of Samples and Date of Receipt

07 Water Samples were delivered to the laboratory intact on 07/21/2012.

B. Parameters

Test requested for Metals CLP MS-CLP 12 = Antimony, Arsenic, Cadmium, Chromium, Copper, Lead, Nickel, Selenium & Thallium.

C. Cooler Temp

Indicator Bottle: **Presence**/Absence
Cooler: 26°C

D. Detail Documentation (related to Sample Handling Shipping, Analytical Problem, Temp of Cooler etc):

Issue 1: The TR/COC does not designate a sample for QC; however, per scheduling, QC is required. The laboratory initially reported that they did not receive sufficient sample volume to perform even reduced volume QC; however, upon further inspection, they confirmed that they can proceed with limited volume to perform QC for all three SDGs as outlined below:
SDG MH3BQ1 will have the following QC assigned:
Sample MH3BR2 is Original (50ml), and laboratory will use this sample for Dupe (25 ml)
Sample MH3BR8 is Original (50ml), and laboratory will use this sample for Spike (25 ml)

SDG MH3BM4 will have the following QC assigned:
Sample MH3BN7 is Original (50ml), and laboratory will use this sample for Dupe (25 ml)
Sample MH3BN9 is Original (50ml), and laboratory will use this sample for Spike (25 ml)

SDG MH3BP4 will have the following QC assigned:
Sample MH3BP4 is Original (50ml), and laboratory will use this sample for Dupe (25 ml)

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Mountainside, NJ 07092

Sample MH3BP5 is Original (50ml), and laboratory will use this sample for Spike (25 ml)

Issue 2: The sample IDs used were not in CLP format. ORD confirmed that SMO could generate CLP IDs for the samples and provide the comparison list of ORD IDs and CLP IDs to the laboratory.

E. Corrective Action taken for above:

Resolution 1: Per ORD, the laboratory will proceed with QC as suggested, note the issue in the SDG Narrative and proceed with the analysis of the samples.

Resolution 2: The laboratory will use the CLP sample IDs listed below for each corresponding Station Location as listed on the TR/COC. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Station Location	DM CLP Sample ID	TM CLP Sample ID
Field Blk 01	MH3BM4	MH3BQ1
Field Blk 02	MH3BM5	MH3BQ2
Field Blk 03	MH3BM6	MH3BQ3
Field Blk 04	MH3BM7	MH3BQ4
Equip Blk 01	MH3BM8	MH3BQ5
Equip Blk 02	MH3BM9	MH3BQ6
Equip Blk 04	MH3BN0	MH3BQ7
PGDW05-0412	MH3BN1	MH3BQ8
PGDW20-0412	MH3BN2	MH3BQ9
PGDW20d-0412	MH3BN3	MH3BR0
PGDW23-0412	MH3BN4	MH3BR1
PGDW30-0412	MH3BN5	MH3BR2
PGDW50-0412	MH3BN6	MH3BR3
PGPW02-0412	MH3BN7	MH3BR4
EPAMW02-0412-1	MH3BN8	MH3BR5
EPAMW02-0412-2	MH3BN9	MH3BR6
EPAMW01-0412	MH3BP0	MH3BR7
EPAMW01d-0412	MH3BP1	MH3BR8
EPAMW01-0412-2	MH3BP2	
EPAMW01-0412-3	MH3BP3	
EPAMW01-0412-4	MH3BP4	
EPAMW01-0412-5	MH3BP5	
EPAMW01-0412-6	MH3BP6	

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EPAMW01-0412-7	MH3BP7	
EPAMW01-0412-8	MH3BP8	
EPAMW01-0412-9	MH3BP9	
EPAMW01-0412-10	MH3BQ0	MH3BR9

F. Analytical Techniques:

All analyses were based on CLP Methodology by method ISM01.3

G. Calculation:

Calculation example for ICP-MS Water Sample:

Results reported in Ug/L = Results in ppb X Dilution Factor (if any) X Fraction of Sample

Amount Taken in ICP Water- Prep

Fraction of Sample Amount Taken in ICP-MS Water- Prep = 100/100 or 50/50 =1

(If 100 ml Initial Volume taken and Final Volume was made to 100 ml or 50 ml Initial Volume and Final Volume made to 50 ml in ICP-MS Water Digestion procedure)

H. QA/ QC

Calibrations met requirements. Interference check met requirements. Blank analyses did not indicate any presence of contamination. Laboratory Control sample was within control limits. Spike sample did meet requirements. Duplicate sample did meet requirements. Serial Dilution did meet requirements.

I certify that the 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 hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature Mildred V Reyes Name: Mildred V. Reyes

Date 7/27/12 Title: Document Control Officer

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP

Received By (Print Name) Palak Shah	Log-in Date **7/21/2012**
Received By (Signature) Palak Shah	
Case Number 42753	Sample Delivery Group No. MH3BP4 / NRAS Number 2236.0

Remarks:

1. Custody Seal(s) — Present/Absent* Intact/Broken
2. Custody Seal Nos. — N/A
3. Traffic Reports/Chain Of Custody Records or Packing Lists — Present/Absent*
4. Airbill — Airbill/Sticker Present/Absent*
5. Airbill No. — 8006 3700 7860
6. Sample Tags Sample Tag # — Present/Absent* Listed/Not Listed On TR/ Chain-of-Custody
7. Sample Condition — Intact/Broken*/Leaking
8. Cooler Temperature Indicator Bottle — Present/Absent*
9. Cooler Temperature — 26°C
10. Does information on custody records, traffic reports, and sample tags agree? — Yes/No*
11. Date Received at Lab — 7/21/12
12. Time Received — 8:33

Corresponding				
EPA Sample #	Aqueous Sample pH	Sample Tag #	Assigned Lab#	Remarks: Condition of Sample shipment, etc.
MH3BP4	<2	NO TAGS	D3487-01	No ice intact
MH3BP5			D3487-02	
MH3BP6			D3487-03	
MH3BP7			D3487-04	
MH3BP8			D3487-05	
MH3BP9			D3487-06	
MH3BQ0			D3487-07	
MH3BP4D			D3487-08	
MH3BP5S			D3487-09	

Sample Transfer	
Fraction	Fraction Metals
Area #	Area # Q31
By	By Palak Shah
On	On 7/21/12

See e-Mail about CLP IDS, QC sample and M.A for Temperature

* Contact SMO and attach record of resolution

Reviewed By Snehal Mehta	Logbook No.
Date 7/21/12	Logbook Page

Sample Delivery Group (SDG) Cover Sheet

SDG Number	MH3BP4	Case Number	42753	Contract Number	EPW09038
Lab Code	CHEM	SDG Turnaround	7 day	Delivery CLIN(s)	—

First Sample Received in SDG	MH3BP4	Last Sample Received in SDG	MH3BQ0
First Sample Receipt Date	7/21/2012 8:33:00 AM	Last Sample Receipt Date	7/21/2012 8:33:00 AM

USEPA Sample Numbers in SDG (Listed in Numerical Order)

CLP Sample ID	Sample Type	Requested Analytical CLIN(s)/SubCLIN(s)	Solicitation Number	MA Number(s)
MH3BP4	Field Sample	0014,0026B	18330	22360
MH3BP5	Field Sample	0014,0026B		
MH3BP6	Field Sample	0014,0026B		
MH3BP7	Field Sample	0014,0026B		
MH3BP8	Field Sample	0014,0026B		
MH3BP9	Field Sample	0014,0026B		
MH3BQ0	Field Sample	0014,0026B		
MH3BP4D	Field Sample	0014,0026B		
MH3BP5S	Field Sample	0014,0026B		

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

Signature Sneha Mehta Date 7/24/12

(See email for Client sample IDs and QC sample)

7

SDWA MH3BP4

USEPA, ORD, NRMRL

Sample Analysis Request and Chain of Custody (COC) Record

Project: CASE # 42753
Location:
Project Manager/Phone: Rick Wilkin 580-436-8874

Lab Name: ChemTech Consulting Group
Address: 284 Sheffield St. Mountainside, NJ
Contact Name/Phone: Sachal Mehta

Shipping Method: FEDEX
Shipping Tracking Number: 8006 5700 7860

Shipping Date: 7/20/12
Total Number of Shipping Containers: 1

Sample Number	Sample Matrix/Description	Date/Time Collected	Container Type	Preservation	Number of Containers	Requested Parameters: Dissolved Metals Filtered	Total Metals unfiltered					Special Instructions
Field Blk 01	Water	4/16/12 11:00 AM	P 125	HNO3	2	1	1					
Field Blk 02		4/18/12 9:00 AM	ML			1	1					Cd, Cr, As, Cu,
Field Blk 03		4/22/12 12:00 PM				1	1					Pb, Ni, Tl, Sb, Se
Field Blk 04		4/24/12 10:00 AM				1	1					
Equip Blk 01		4/16/12 10:00 AM				1	1					2236.0
Equip Blk 02		4/18/12 10:00 AM				1	1					
Equip Blk 04		4/24/12 2:00 PM				1	1					
PGDW05-0412		4/18/12 12:00 PM				1	1					
PGDW20-0412		4/16/12 12:30 PM				1	1					
PGDW20A-0412		4/16/12 12:30 PM				1	1					
PGDW23-0412		4/17/12 11:45 AM				1	1					
PGDW30-0412		4/17/12 2:00 PM				1	1					
PGDW50-0412		4/19/12 12:00 PM				1	1					

Copy
~~Original Documents are included in CSF~~ MH3BQ1

Signature
7/23/12
Date

Relinquished By: Printed name: Rick Wilkin Signature: [signature] Affiliation: USEPA Date: 7/20/12 Time: 2:00 PM
Received By: Printed name: Signature: Affiliation: Date: Time:
Comments:

Relinquished By: Printed name: Signature: Affiliation: Date: Time:
Received By: Printed name: Palak Shah Signature: Palak Shah Affiliation: Chemtech Date: 7-21-12 Time: 8:33
Comments: Temp: 26 °C

Pink copy - Field Custodian, Yellow copy - Lab Custodian, White copy - Project Manager

EPA-442 (CIN) (09/08)

EPAPAV0053324

SDWA MM3BP4

USEPA, ORD, NRMRL

Sample Analysis Request and Chain of Custody (COC) Record

Project: Case 42753
Location:
Project Manager/Phone: Rick Wilkin 580-436-8874

Lab Name: ChemTech Consulting
Address: 284 Sheffield St. Mountainside, NJ
Contact Name/Phone: Snehal Mehta

Shipping Method: FEDEX
Shipping Tracking Number: 8006 5700 7860

Shipping Date: 7/20/12
Total Number of Shipping Containers: 1

Sample Number	Sample Matrix/Description	Date/Time Collected	Container Type	Preservation	Number of Containers	Requested Parameters: Dissolved Metals filtered	Total Metals unfiltered					Special Instructions
PGPW02-0412	water	4/20/12 3:30 pm	125 mL plastic	HNO3	2	1	1					
EPAMW02-0412-1	↓	4/16/12 2:50 pm	↓	↓	2	1	1					Cd, Cr, As, Cu,
EPAMW02-0412-2		4/22/12 3:45 pm			2	1	1					Pb, Ni, Tl, Sb, Se
EPAMW01-0412		4/24/12 2:09 pm			2	1	1					
EPAMW01d-0412		4/24/12 2:09 pm			2	1	1					2236.0
EPAMW01-0412-2		4/24/12 3:21 pm			1	1						
EPAMW01-0412-3		4/24/12 3:42 pm			1	1						
EPAMW01-0412-4		4/24/12 1:49 pm			1	1						
EPAMW01-0412-5		4/24/12 4:05 pm			1	1						
EPAMW01-0412-6		4/24/12 4:52 pm			1	1						
EPAMW01-0412-7		4/24/12 4:28 pm			1	1						
EPAMW01-0412-8		4/24/12 5:17 pm			1	1						
EPAMW01-0412-9	↓	4/24/12 5:46 pm	↓	↓	1	1						

Relinquished By: Printed name: Rick Wilkin Signature: [signature] Affiliation: USEPA Date: 7/20/12 Time: 2:00pm

Received By: Printed name: Signature: Affiliation: Date: Time:

Comments:

Relinquished By: Printed name: Signature: Affiliation: Date: Time:

Received By: Printed name: Palak Shah Signature: Palak Shah Affiliation: Chemtech Date: 7-21-12 Time: 8:33

Comments: Temp: 26°C

Pink copy - Field Custodian, Yellow copy - Lab Custodian, White copy - Project Manager

EPA-442 (CIN) (09/08)

EPAPAV0053325

STA # MH3BP4

USEPA, ORD, NRMRL

Sample Analysis Request and Chain of Custody (COC) Record

Project: Case # 42753
Location:
Project Manager/Phone: Rick Wilkin 580-436-8874

Lab Name: Chem Tech Consulting Group
Address: 284 Sheffield St. Mountainside NJ
Contact Name/Phone: Snehal mehta

Shipping Method: FedEx
Shipping Tracking Number: 8006-5700-7860

Shipping Date: 7/20/12
Total Number of Shipping Containers: 1

Sample Number	Sample Matrix/Description	Date/Time Collected	Container Type	Preservation	Number of Containers	Requested Parameters: Dissolved metals filtered	Requested Parameters: Total metals unfiltered					Special Instructions
EPAMW01-0412-10	Water	4/24/12 6:21PM	125mL	HNO3	2	1	1					
												Cd, Cr, As, Cu, Pb, Ni, Tl, Sb, Se
												2236.0

Relinquished By: Printed name: Rick Wilk Signature: [signature] Affiliation: USEPA Date: 7/20/12 Time: 2:00pm
Received By: Printed name: Signature: Affiliation: Date: Time:
Comments:

Relinquished By: Printed name: Signature: Affiliation: Date: Time:
Received By: Printed name: Palak Shah Signature: Palak Shah Affiliation: Chemtech Date: 7-21-12 Time: 8:33
Comments: Temp : 26°C

Pink copy - Field Custodian, Yellow copy - Lab Custodian, White copy - Project Manager

EPA-442 (CIN) (09/08)

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EPAPAV0053326

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COVER PAGE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No: 42753 Mod. Ref. No.: 2236.0 SDG No: MH3BP4

SOW No.: ISM01.3

EPA Sample No.	Lab Sample ID
MH3BP4	D3487-01
MH3BP4D	D3487-01D
MH3BP5	D3487-02
MH3BP5S	D3487-02S
MH3BP6	D3487-03
MH3BP7	D3487-04
MH3BP8	D3487-05
MH3BP9	D3487-06
MH3BQ0	D3487-07

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

The laboratory did receive instructions with this SDG to modify the SOW standard laboratory sample preparation procedures (e.g., subsampling). To aid in the determination of data usability with respect to project decisions, any modifications performed are described below.

Comments:

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

Signature: Mildred Reyes Name: MILDRED REYES

Date: 7/27/12 Title: DOCUMENT CONTROL OFFICER

US EPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BP4

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No 2236.0 SDG No.: MH3BP4

Matrix: WATER Lab Sample ID: D3487-01

% Solids: Date Received: 07/21/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.20	J		MS
7440-38-2	Arsenic	0.40	J		MS
7440-43-9	Cadmium	1.0	U		MS
7440-47-3	Chromium	0.57	J		MS
7440-50-8	Copper	0.67	J		MS
7439-92-1	Lead	1.0	U		MS
7440-02-0	Nickel	1.0	U		MS
7782-49-2	Selenium	5.0	U		MS
7440-28-0	Thallium	0.073	J		MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

US EPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BP5

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No 2236.0 SDG No.: MH3BP4

Matrix: WATER Lab Sample ID: D3487-02

% Solids: Date Received: 07/21/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	0.28	J		MS
7440-43-9	Cadmium	1.0	U		MS
7440-47-3	Chromium	0.71	J		MS
7440-50-8	Copper	0.57	J		MS
7439-92-1	Lead	0.091	J		MS
7440-02-0	Nickel	1.0	U		MS
7782-49-2	Selenium	5.0	U		MS
7440-28-0	Thallium	1.0	U		MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

US EPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BP6

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No 2236.0 SDG No.: MH3BP4

Matrix: WATER Lab Sample ID: D3487-03

% Solids: Date Received: 07/21/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.11	J		MS
7440-38-2	Arsenic	0.47	J		MS
7440-43-9	Cadmium	1.0	U		MS
7440-47-3	Chromium	0.42	J		MS
7440-50-8	Copper	0.57	J		MS
7439-92-1	Lead	1.0	U		MS
7440-02-0	Nickel	1.0	U		MS
7782-49-2	Selenium	5.0	U		MS
7440-28-0	Thallium	1.0	U		MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

US EPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BP7

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No 2236.0 SDG No.: MH3BP4

Matrix: WATER Lab Sample ID: D3487-04

% Solids: Date Received: 07/21/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	0.82	J		MS
7440-43-9	Cadmium	1.0	U		MS
7440-47-3	Chromium	0.49	J		MS
7440-50-8	Copper	0.74	J		MS
7439-92-1	Lead	1.0	U		MS
7440-02-0	Nickel	1.0	U		MS
7782-49-2	Selenium	5.0	U		MS
7440-28-0	Thallium	1.0	U		MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

US EPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BP8

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No 2236.0 SDG No.: MH3BP4

Matrix: WATER Lab Sample ID: D3487-05

% Solids: Date Received: 07/21/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	0.43	J		MS
7440-43-9	Cadmium	1.0	U		MS
7440-47-3	Chromium	0.49	J		MS
7440-50-8	Copper	0.67	J		MS
7439-92-1	Lead	1.0	U		MS
7440-02-0	Nickel	1.0	U		MS
7782-49-2	Selenium	5.0	U		MS
7440-28-0	Thallium	1.0	U		MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

US EPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BP9

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No 2236.0 SDG No.: MH3BP4

Matrix: WATER Lab Sample ID: D3487-06

% Solids: Date Received: 07/21/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	0.59	J		MS
7440-43-9	Cadmium	1.0	U		MS
7440-47-3	Chromium	0.41	J		MS
7440-50-8	Copper	0.63	J		MS
7439-92-1	Lead	1.0	U		MS
7440-02-0	Nickel	1.0	U		MS
7782-49-2	Selenium	5.0	U		MS
7440-28-0	Thallium	1.0	U		MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

US EPA-CLP

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BQ0

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No 2236.0 SDG No.: MH3BP4

Matrix: WATER Lab Sample ID: D3487-07

% Solids: Date Received: 07/21/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7440-36-0	Antimony	0.30	J		MS
7440-38-2	Arsenic	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-47-3	Chromium	0.56	J		MS
7440-50-8	Copper	0.72	J		MS
7439-92-1	Lead	1.0	U		MS
7440-02-0	Nickel	1.0	U		MS
7782-49-2	Selenium	5.0	U		MS
7440-28-0	Thallium	0.33	J		MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

US EPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No. 2236.0 SDG No.: MH3BP4

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP12272

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony	199.0	192.70	97	500.0	494.60	99	491.30	98	MS
Arsenic	200.0	197.10	99	500.0	499.50	100	493.70	99	MS
Cadmium	99.0	99.43	100	500.0	499.00	100	497.40	99	MS
Chromium	98.0	98.88	101	500.0	497.60	100	491.50	98	MS
Copper	98.0	103.60	106	1000.0	1009.00	101	998.90	100	MS
Lead	200.0	201.70	101	500.0	502.30	100	498.30	100	MS
Nickel	101.0	104.70	104	500.0	505.80	101	498.20	100	MS
Selenium	206.0	199.40	97	500.0	499.80	100	495.50	99	MS
Thallium	206.0	207.10	101	500.0	496.80	99	498.90	100	MS

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

US EPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No. 2236.0 SDG No.: MH3BP4

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP12272

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony				500.0	486.70	97	487.70	98	MS
Arsenic				500.0	491.80	98	495.80	99	MS
Cadmium				500.0	493.30	99	498.80	100	MS
Chromium				500.0	496.80	99	503.70	101	MS
Copper				1000.0	1002.00	100	1019.00	102	MS
Lead				500.0	499.00	100	505.40	101	MS
Nickel				500.0	503.70	101	513.70	103	MS
Selenium				500.0	495.20	99	508.80	102	MS
Thallium				500.0	491.30	98	497.30	99	MS

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

US EPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No. 2236.0 SDG No.: MH3BP4

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP12272

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony				500.0	493.90	99	498.40	100	MS
Arsenic				500.0	496.50	99	492.80	99	MS
Cadmium				500.0	506.40	101	506.70	101	MS
Chromium				500.0	506.70	101	498.20	100	MS
Copper				1000.0	1020.00	102	1004.00	100	MS
Lead				500.0	508.60	102	507.00	101	MS
Nickel				500.0	511.40	102	499.50	100	MS
Selenium				500.0	509.40	102	503.30	101	MS
Thallium				500.0	501.30	100	501.60	100	MS

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

US EPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No. 2236.0 SDG No.: MH3BP4

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP12272

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony				500.0	496.80	99	501.70	100	MS
Arsenic				500.0	497.60	100	497.90	100	MS
Cadmium				500.0	506.00	101	508.20	102	MS
Chromium				500.0	498.70	100	495.90	99	MS
Copper				1000.0	1010.00	101	999.50	100	MS
Lead				500.0	506.20	101	507.50	102	MS
Nickel				500.0	504.80	101	504.10	101	MS
Selenium				500.0	509.80	102	509.20	102	MS
Thallium				500.0	505.20	101	502.00	100	MS

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

US EPA-CLP

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No. 2236.0 SDG No.: MH3BP4

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP12272

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony				2.0	1.97	98			MS
Arsenic				1.0	1.17	117			MS
Cadmium				1.0	0.90	90			MS
Chromium				2.0	1.79	90			MS
Copper				2.0	1.93	96			MS
Lead				1.0	0.76	76			MS
Nickel				1.0	1.21	121			MS
Selenium				5.0	5.10	102			MS
Thallium				1.0	0.98	98			MS

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

US EPA-CLP

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No.: 2236.0 SDG No.: MH3BP4

Preparation Blank Matrix (soil/water/wipe/filter): WATER

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

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Antimony	1.242	J	1.244	J	1.195	J	1.236	J	0.122	J	MS
Arsenic	0.204	J	1.000	U	1.000	U	1.000	U	1.000	U	MS
Cadmium	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	MS
Chromium	2.000	U	2.000	U	-0.109	J	2.000	U	-0.114	J	MS
Copper	2.000	U	2.000	U	2.000	U	2.000	U	2.000	U	MS
Lead	-0.110	J	-0.120	J	-0.184	J	-0.168	J	-0.173	J	MS
Nickel	0.226	J	0.258	J	0.214	J	0.256	J	0.188	J	MS
Selenium	5.000	U	5.000	U	5.000	U	5.000	U	5.000	U	MS
Thallium	0.256	J	0.212	J	0.098	J	0.116	J	1.000	U	MS

US EPA-CLP

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No.: 2236.0 SDG No.: MH3BP4

Preparation Blank Matrix (soil/water/wipe/filter): _____

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): _____

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Antimony			1.140	J	1.167	J	1.219	J			MS
Arsenic			1.000	U	0.227	J	0.194	J			MS
Cadmium			1.000	U	1.000	U	1.000	U			MS
Chromium			2.000	U	-0.065	J	2.000	U			MS
Copper			2.000	U	2.000	U	2.000	U			MS
Lead			-0.184	J	-0.183	J	-0.167	J			MS
Nickel			0.216	J	0.219	J	0.219	J			MS
Selenium			5.000	U	5.000	U	5.000	U			MS
Thallium			0.081	J	0.075	J	0.089	J			MS

US EPA-CLP

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No.: 2236.0 SDG No.: MH3BP4

Preparation Blank Matrix (soil/water/wipe/filter): _____

Preparation Blank Concentration Units (ug/L, ug, or mg/kg): _____

Analyte	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
		C	1	C	2	C	3	C		C	M
Antimony			1.204	J	1.312	J					MS
Arsenic			1.000	U	1.000	U					MS
Cadmium			1.000	U	1.000	U					MS
Chromium			2.000	U	2.000	U					MS
Copper			2.000	U	2.000	U					MS
Lead			-0.148	J	-0.140	J					MS
Nickel			0.256	J	0.275	J					MS
Selenium			5.000	U	5.000	U					MS
Thallium			0.110	J	0.123	J					MS

US EPA-CLP

4B-IN

ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No 2236.0 SDG No.: MH3BP4

ICP-MS Instrument ID: P6 ICS Source: MS8055

Concentration Units: ug/L

Analyte	True Sol.A	True Sol.AB	Found Sol.A	Found %R	Found Sol. AB	Found %R
Antimony	1.5	22.0	1.6	107	21.4	97
Arsenic	0.1	19.0	0.28	280	19.4	102
Barium	1.2	22.0	1.5	125	21.2	96
Beryllium	0.0	19.0	0.38	0	20.9	110
Cadmium	0.7	20.0	0.70	100	20.3	102
Chromium	21.0	40.0	19.7	94	39.1	98
Cobalt	1.0	20.0	1.0	100	20.7	104
Copper	8.0	25.0	8.2	102	27.4	110
Lead	4.0	25.0	4.2	105	24.0	96
Manganese	7.0	27.0	7.7	110	27.7	103
Nickel	6.0	24.0	5.5	92	25.0	104
Selenium	0.3	19.0	-0.26	-87	18.9	99
Silver	0.0	18.0	1.1	0	34.1	189
Thallium	0.0	21.0	0.60	0	20.8	99
Vanadium	0.5	19.0	0.037	7	19.9	105
Zinc	11.0	29.0	12.3	112	32.0	110

US EPA-CLP

4B-IN

ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No 2236.0 SDG No.: MH3BP4

ICP-MS Instrument ID: P6 ICS Source: MS8055

Concentration Units: ug/L

Analyte	True		Found			
	Sol.A	Sol.AB	Sol.A	%R	Sol. AB	%R
Aluminum	100000.0	100000.0	94900	95	95000	95
Calcium	100000.0	100000.0	100000	100	100000	100
Iron	100000.0	100000.0	102000	102	102000	102
Magnesium	100000.0	100000.0	99700	100	99600	100
Potassium	100000.0	100000.0	100000	100	99300	99
Sodium	100000.0	100000.0	100000	100	99900	100

US EPA-CLP

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MH3BP5S

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No.: 2236.0 SDG No.: MH3BP4

Matrix: WATER

% Solids for Sample: _____

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75 - 125	91.2500		2.0000	U	100.00	91		MS
Arsenic	75 - 125	38.2600		0.2830		40.00	95		MS
Cadmium	75 - 125	46.5600		1.0000	U	50.00	93		MS
Chromium	75 - 125	174.1000		0.7110		200.00	87		MS
Copper	75 - 125	221.6000		0.5680		250.00	88		MS
Lead	75 - 125	18.3700		0.0910		20.00	91		MS
Nickel	75 - 125	441.3000		1.0000	U	500.00	88		MS
Selenium	75 - 125	89.5000		5.0000	U	100.00	90		MS
Thallium	75 - 125	46.3000		1.0000	U	50.00	93		MS

Comments:

5B-IN

POST-DIGESTION SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

Lab Name: _____ Contract: _____

Lab Code: _____ Case No.: _____ Mod. Ref. No.: _____ SDG No.: _____

Matrix: _____

Concentration Units: (ug/L or mg/Kg dry weight):

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M

Comments:

_____

_____

_____

US EPA-CLP

6-IN

DUPLICATES

EPA SAMPLE NO.

MH3BP4D

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref.No.: 2236.0 SDG No.: MH3BP4

Matrix: WATER

% Solids for Sample: _____

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Antimony		0.2000		0.1500	J	29		MS
Arsenic		0.4020		0.5080	J	23		MS
Cadmium		1.0000	U	1.0000	U			MS
Chromium		0.5740		0.5040	J	13		MS
Copper		0.6710		0.6810	J	1		MS
Lead		1.0000	U	0.0730	J	0		MS
Nickel		1.0000	U	1.0000	U			MS
Selenium		5.0000	U	5.0000	U			MS
Thallium		0.0730		1.0000	U	132		MS

US EPA-CLP

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No. 2236.0 SDG No.: MH3BP4

Analyte	Aqueous/Water (ug/L), Soil Sediment (mg/Kg), Wipe/Filter (ug)		
	True	Found	%R
Antimony	4.00	3.94	98
Arsenic	2.00	2.17	108
Cadmium	2.00	2.01	100
Chromium	4.00	3.92	98
Copper	4.00	4.00	100
Lead	2.00	1.79	90
Nickel	2.00	2.16	108
Selenium	10.00	11.05	110
Thallium	2.00	2.04	102

US EPA-CLP

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

MH3BP4L

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref.No.: 2236.0 SDG No.: MH3BP4

Matrix: WATER

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

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Antimony	0.20		0.48	J	140		MS
Arsenic	0.40		5.00	U	100		MS
Cadmium	1.00	U	5.00	U			MS
Chromium	0.57		10.00	U	100		MS
Copper	0.67		10.00	U	100		MS
Lead	1.00	U	5.00	U			MS
Nickel	1.00	U	5.00	U			MS
Selenium	5.00	U	25.00	U			MS
Thallium	0.07		5.00	U	100		MS

US EPA-CLP

9-IN
METHOD DETECTION LIMITS (MDL) (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No. 2236.0 SDG No.: MH3BP4

Instrument Type: MS Instrument ID: P6 Date: 01/05/2012

Preparation Method: 200.8

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

Analyte	Wavelength/Mass	MDL
Antimony	121.00	0.084
Arsenic	75.00	0.18
Cadmium	111.00	0.063
Chromium	52.00	0.062
Copper	63.00	0.11
Lead	208.00	0.025
Nickel	60.00	0.11
Selenium	82.00	1.2
Thallium	205.00	0.043

Comments:

US EPA-CLP

11-IN
INTERNAL STANDARD ASSOCIATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No.: 2236.0 SDG No.: MH3BP4

ICP-MS Instrument ID: P6 Date: 7/25/2012

Analyte	Assoc. Internal Standard 1	Assoc. Internal Standard 2
Antimony	103Rh	159Tb
Arsenic	45Sc	103Rh
Cadmium	103Rh	159Tb
Chromium	45Sc	103Rh
Copper	45Sc	103Rh
Lead	165Ho	209Bi
Nickel	45Sc	103Rh
Selenium	45Sc	103Rh
Thallium	165Ho	209Bi

US EPA-CLP

12-IN

PREPARATION LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No. 2236.0 SDG No.: MH3BP4

Preparation Method: 200.8

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
PBW01	07/24/2012	50.00	50
LCS01	07/24/2012	50.00	50
MH3BP4	07/24/2012	50.00	50
MH3BP4D	07/24/2012	25.00	25
MH3BP5	07/24/2012	50.00	50
MH3BP5S	07/24/2012	25.00	25
MH3BP6	07/24/2012	50.00	50
MH3BP7	07/24/2012	50.00	50
MH3BP8	07/24/2012	50.00	50
MH3BP9	07/24/2012	50.00	50
MH3BQ0	07/24/2012	50.00	50

US EPA-CLP

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No 2236.0 SDG No.: MH3BP4

Instrument ID: P6 Analysis Method: MS

Start Date: 07/25/2012 End Date: 07/26/2012

EPA Sample NO.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
TUNE	1.0	1148					X				X			X	X													
S0	1.0	1 2		X	X	9		X		X		X		X				XX					X					
S	1.0	1 2		X	X	7		X		X		X		X				XX					X					
S	1.0	1 2		X	X	5		X		X		X		X				XX					X					
S	1.0	1 2		X	X	3		X		X		X		X				XX					X					
S	1.0	1 2		X	X	1		X		X		X		X				XX					X					
S	1.0	1 2		X	X	9		X		X		X		X				XX					X					
ICV64	1.0	1 3		X	X	7		X		X		X		X				XX					X					
ICB64	1.0	1 3		X	X	5		X		X		X		X				XX					X					
ICSA64	1.0	1 3		X	X	X	X	X		X	X	X		X		X		XX			X		X	X	X			
ICSAB64	1.0	1 3		X	X	X	X	X		X	X	X		X		X		XX			X		X	X	X			
ICSA64	10	1	X			3		8	X				X		X				XX									
ICSAB64	10	1	X			4		6	X				X		X				XX									
CCV08	1.0	1 3		X	X	4		X		X		X		X				XX					X					
CCB08	1.0	1 4		X	X	2		X		X		X		X				XX					X					
ZZZZZZ	1.0	1410																										
ZZZZZZ	1.0	1418																										
PBW01	1.0	1 4		X	X	6		X		X		X		X				XX					X					
ZZZZZZ	1.0	1434																										
ZZZZZZ	1.0	1442																										
LCS01	1.0	1 4		X	X	0		X		X		X		X				XX					X					
ZZZZZZ	1.0	1458																										
ZZZZZZ	1.0	1506																										
ZZZZZZ	1.0	1514																										
ZZZZZZ	1.0	1522																										
CCV09	1.0	1 5		X	X	0		X		X		X		X				XX					X					
CCB09	1.0	1 5		X	X	8		X		X		X		X				XX					X					
ZZZZZZ	1.0	1545																										
ZZZZZZ	1.0	1553																										
ZZZZZZ	1.0	1601																										
ZZZZZZ	1.0	1609																										
ZZZZZZ	1.0	1617																										
ZZZZZZ	1.0	1625																										
ZZZZZZ	1.0	1633																										
ZZZZZZ	1.0	1641																										
ZZZZZZ	1.0	1649																										
ZZZZZZ	5.0	1657																										

US EPA-CLP

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No 2236.0 SDG No.: MH3BP4

Instrument ID: P6 Analysis Method: MS

Start Date: 07/25/2012 End Date: 07/26/2012

EPA Sample NO.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
CCV10	1.0	1 7		X	X	5		X		X		X		X				XX					X					
CCB10	1.0	1 7		X	X	3		X		X		X		X				XX					X					
ZZZZZZ	1.0	1721																										
ZZZZZZ	1.0	1729																										
ZZZZZZ	1.0	1737																										
ZZZZZZ	1.0	1745																										
ZZZZZZ	1.0	1753																										
ZZZZZZ	1.0	1801																										
ZZZZZZ	1.0	1809																										
ZZZZZZ	1.0	1816																										
ZZZZZZ	1.0	1824																										
ZZZZZZ	1.0	1832																										
CCV11	1.0	1 8		X	X	0		X		X		X		X				XX					X					
CCB11	1.0	1 8		X	X	8		X		X		X		X				XX					X					
ZZZZZZ	1.0	1856																										
ZZZZZZ	1.0	1904																										
ZZZZZZ	1.0	1912																										
ZZZZZZ	1.0	1920																										
ZZZZZZ	1.0	1928																										
ZZZZZZ	1.0	1936																										
ZZZZZZ	1.0	1944																										
ZZZZZZ	1.0	1952																										
ZZZZZZ	1.0	2000																										
ZZZZZZ	1.0	2008																										
CCV12	1.0	2 0		X	X	6		X		X		X		X				XX					X					
CCB12	1.0	2 0		X	X	4		X		X		X		X				XX					X					
ZZZZZZ	1.0	2032																										
ZZZZZZ	1.0	2040																										
ZZZZZZ	1.0	2048																										
ZZZZZZ	5.0	2056																										
ZZZZZZ	1.0	2104																										
ZZZZZZ	1.0	2112																										
ZZZZZZ	1.0	2120																										
ZZZZZZ	1.0	2128																										
ZZZZZZ	1.0	2136																										
ZZZZZZ	1.0	2144																										
CCV13	1.0	2 1		X	X	2		X		X		X		X				XX					X					
CCB13	1.0	2 1		X	X	9		X		X		X		X				XX					X					

US EPA-CLP

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ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No 2236.0 SDG No.: MH3BP4

Instrument ID: P6 Analysis Method: MS

Start Date: 07/25/2012 End Date: 07/26/2012

EPA Sample NO.	D/F	Time	Analytes																									
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN		
ZZZZZZ	1.0	2207																										
MH3BP4	1.0	2215		X	X			X		X		X		X				XX					X					
MH3BP4D	1.0	2223		X	X			X		X		X		X				XX					X					
MH3BP4L	5.0	2231		X	X			X		X		X		X				XX					X					
MH3BP5	1.0	2239		X	X			X		X		X		X				XX					X					
MH3BP5S	1.0	2247		X	X			X		X		X		X				XX					X					
MH3BP6	1.0	2255		X	X			X		X		X		X				XX					X					
MH3BP7	1.0	2303		X	X			X		X		X		X				XX					X					
MH3BP8	1.0	2311		X	X			X		X		X		X				XX					X					
MH3BP9	1.0	2319		X	X			X		X		X		X				XX					X					
CCV14	1.0	2327		X	X			X		X		X		X				XX					X					
CCB14	1.0	2335		X	X			X		X		X		X				XX					X					
MH3BQ0	1.0	2343		X	X			X		X		X		X				XX					X					
ZZZZZZ	1.0	2351																										
CRI	1.0	2359		X	X			X		X		X		X				XX					X					
CCV15	1.0	0007		X	X			X		X		X		X				XX					X					
CCB15	1.0	0015		X	X			X		X		X		X				XX					X					

US EPA-CLP

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ICP-MS Tune

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No.: 2236.0 SDG No.: MH3BP4

ICP-MS Instrument ID: P6 Date: 07/25/2012

Element - Mass	Avg. Measured Mass (amu)	Average Peak Width (amu)	%Height	%RSD
Be_9	9.01	0.77	5.0	2.923
Mg_24	23.99	0.77	5.0	1.788
Mg_25	24.99	0.77	5.0	1.991
Mg_26	25.98	0.77	5.0	2.537
Co_59	58.93	0.77	5.0	2.362
In_113	112.90	0.76	5.0	0.998
In_115	114.90	0.76	5.0	1.051
Ce_140	139.91	0.82	5.0	1.035
Pb_206	205.97	0.76	5.0	0.846
Pb_207	206.98	0.76	5.0	0.591
Pb_208	207.98	0.82	5.0	0.802

Comments:

US EPA-CLP

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ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No.: 2236.0 SDG NO.: MH3BP4

ICP-MS Instrument ID: P6 Start Date: 07/25/2012 End Date: 07/26/2012

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
S0	1219	100		100		100		100		100	
S	1227	98		98		99		99		98	
S	1235	100		100		99		96		99	
S	1243	100		101		97		94		98	
S	1251	100		101		99		93		98	
S	1259	98		101		99		94		97	
ICV64	1307	103		102		99		95		100	
ICB64	1315	103		101		98		95		100	
ICSA64	1323	100		103		98		91		96	
ICSAB64	1330	101		104		98		90		97	
ICSA64	1338	105		104		100		94		102	
ICSAB64	1346	104		103		98		92		100	
CCV08	1354	101		103		102		97		100	
CCB08	1402	102		101		98		95		100	
ZZZZZZ	1410										
ZZZZZZ	1418										
PBW01	1426	101		99		94		91		97	
ZZZZZZ	1434										
ZZZZZZ	1442										
LCS01	1450	100		98		92		88		95	
ZZZZZZ	1458										
ZZZZZZ	1506										
ZZZZZZ	1514										
ZZZZZZ	1522										
CCV09	1530	98		99		95		90		93	
CCB09	1538	101		98		94		91		96	
ZZZZZZ	1545										
ZZZZZZ	1553										
ZZZZZZ	1601										
ZZZZZZ	1609										
ZZZZZZ	1617										
ZZZZZZ	1625										
ZZZZZZ	1633										
ZZZZZZ	1641										
ZZZZZZ	1649										
ZZZZZZ	1657										
CCV10	1705	100		101		98		94		97	
CCB10	1713	103		101		98		96		100	
ZZZZZZ	1721										
ZZZZZZ	1729										
ZZZZZZ	1737										
ZZZZZZ	1745										
ZZZZZZ	1753										
ZZZZZZ	1801										
ZZZZZZ	1809										

US EPA-CLP

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ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No.: 2236.0 SDG NO.: MH3BP4

ICP-MS Instrument ID: P6 Start Date: 07/25/2012 End Date: 07/26/2012

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
ZZZZZZ	1816										
ZZZZZZ	1824										
ZZZZZZ	1832										
CCV11	1840	101		102		99		101		97	
CCB11	1848	102		100		97		97		98	
ZZZZZZ	1856										
ZZZZZZ	1904										
ZZZZZZ	1912										
ZZZZZZ	1920										
ZZZZZZ	1928										
ZZZZZZ	1936										
ZZZZZZ	1944										
ZZZZZZ	1952										
ZZZZZZ	2000										
ZZZZZZ	2008										
CCV12	2016	102		102		99		99		96	
CCB12	2024	105		103		99		100		100	
ZZZZZZ	2032										
ZZZZZZ	2040										
ZZZZZZ	2048										
ZZZZZZ	2056										
ZZZZZZ	2104										
ZZZZZZ	2112										
ZZZZZZ	2120										
ZZZZZZ	2128										
ZZZZZZ	2136										
ZZZZZZ	2144										
CCV13	2152	104		103		94		92		94	
CCB13	2159	107		102		93		90		96	
ZZZZZZ	2207										
MH3BP4	2215	104		103		94		92		93	
MH3BP4D	2223	105		104		95		93		94	
MH3BP4L	2231	107		103		92		88		94	
MH3BP5	2239	104		102		90		86		90	
MH3BP5S	2247	101		101		89		86		89	
MH3BP6	2255	98		99		89		88		88	
MH3BP7	2303	101		100		89		85		88	
MH3BP8	2311	105		104		95		92		94	
MH3BP9	2319	100		101		89		87		89	
CCV14	2327	99		99		91		89		90	
CCB14	2335	105		101		90		89		94	
MH3BQ0	2343	101		100		90		87		89	
ZZZZZZ	2351										
CRI	2359	103		99		89		87		92	
CCV15	0007	102		101		90		85		90	

US EPA-CLP

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ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No.: 2236.0 SDG NO.: MH3BP4

ICP-MS Instrument ID: P6 Start Date: 07/25/2012 End Date: 07/26/2012

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
CCB15	0015	101		98		89		89		91	

US EPA-CLP

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ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No.: 2236.0 SDG NO.: MH3BP4

ICP-MS Instrument ID: P6 Start Date: 07/25/2012 End Date: 07/26/2012

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 165Ho	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
S0	1219	100									
S	1227	98									
S	1235	100									
S	1243	101									
S	1251	102									
S	1259	102									
ICV64	1307	102									
ICB64	1315	101									
ICSA64	1323	104									
ICSAB64	1330	105									
ICSA64	1338	105									
ICSAB64	1346	104									
CCV08	1354	103									
CCB08	1402	101									
ZZZZZZ	1410										
ZZZZZZ	1418										
PBW01	1426	99									
ZZZZZZ	1434										
ZZZZZZ	1442										
LCS01	1450	98									
ZZZZZZ	1458										
ZZZZZZ	1506										
ZZZZZZ	1514										
ZZZZZZ	1522										
CCV09	1530	99									
CCB09	1538	99									
ZZZZZZ	1545										
ZZZZZZ	1553										
ZZZZZZ	1601										
ZZZZZZ	1609										
ZZZZZZ	1617										
ZZZZZZ	1625										
ZZZZZZ	1633										
ZZZZZZ	1641										
ZZZZZZ	1649										
ZZZZZZ	1657										
CCV10	1705	102									
CCB10	1713	101									
ZZZZZZ	1721										
ZZZZZZ	1729										
ZZZZZZ	1737										
ZZZZZZ	1745										
ZZZZZZ	1753										
ZZZZZZ	1801										
ZZZZZZ	1809										

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ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No.: 2236.0 SDG NO.: MH3BP4

ICP-MS Instrument ID: P6 Start Date: 07/25/2012 End Date: 07/26/2012

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 165Ho	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
ZZZZZZ	1816										
ZZZZZZ	1824										
ZZZZZZ	1832										
CCV11	1840	102									
CCB11	1848	101									
ZZZZZZ	1856										
ZZZZZZ	1904										
ZZZZZZ	1912										
ZZZZZZ	1920										
ZZZZZZ	1928										
ZZZZZZ	1936										
ZZZZZZ	1944										
ZZZZZZ	1952										
ZZZZZZ	2000										
ZZZZZZ	2008										
CCV12	2016	103									
CCB12	2024	103									
ZZZZZZ	2032										
ZZZZZZ	2040										
ZZZZZZ	2048										
ZZZZZZ	2056										
ZZZZZZ	2104										
ZZZZZZ	2112										
ZZZZZZ	2120										
ZZZZZZ	2128										
ZZZZZZ	2136										
ZZZZZZ	2144										
CCV13	2152	105									
CCB13	2159	103									
ZZZZZZ	2207										
MH3BP4	2215	104									
MH3BP4D	2223	106									
MH3BP4L	2231	105									
MH3BP5	2239	103									
MH3BP5S	2247	102									
MH3BP6	2255	99									
MH3BP7	2303	101									
MH3BP8	2311	106									
MH3BP9	2319	102									
CCV14	2327	100									
CCB14	2335	102									
MH3BQ0	2343	102									
ZZZZZZ	2351										
CRI	2359	100									
CCV15	0007	102									

US EPA-CLP

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ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No.: 2236.0 SDG NO.: MH3BP4

ICP-MS Instrument ID: P6 Start Date: 07/25/2012 End Date: 07/26/2012

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 165Ho	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
CCB15	0015	99									

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US EPA-CLP

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INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No.: 2236.0 SDG No.: MH3BP4

Instrument ID: P6 Start Date: 7/25/2012

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Antimony	0.00	0	0	2.00	. 1.9	3	125	0 121	3
Arsenic	0.00	0	0	1.00	. 0.82	18	125	0 123	2
Cadmium	0.00	0	0	1.00	.0.96	4	125	0 123	1
Chromium	0.00	0	0	2.00	. 2.0	-2	125	0 125	0
Copper	0.00	0	0	2.00	. 2.1	-3	250	0 254	-2
Lead	0.00	0	0	1.00	. 0.90	10	125	0 124	0
Nickel	0.00	0	0	1.00	. 1.1	-9	125	0 128	-2
Selenium	0.00	0	0	5.00	. 4.5	10	125	0 126	-1
Thallium	0.00	0	0	1.00	.0.97	3	125	0 125	0

Control Limits ± 30

US EPA-CLP

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INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 42753 Mod. Ref. No.: 2236.0 SDG No.: MH3BP4

Instrument ID: P6 Start Date: 7/25/2012

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Antimony	250	246	2	500	497	1	1000	1003	0
Arsenic	250	248	1	500	497	1	1000	1003	0
Cadmium	250	249	0	500	500	0	1000	1001	0
Chromium	250	250	0	500	495	1	1000	1002	0
Copper	500	508	-2	1000	1003	0	2000	1996	0
Lead	250	250	0	500	505	-1	1000	998	0
Nickel	250	253	-1	500	504	-1	1000	997	0
Selenium	250	251	0	500	496	1	1000	1002	0
Thallium	250	252	-1	500	502	0	1000	999	0

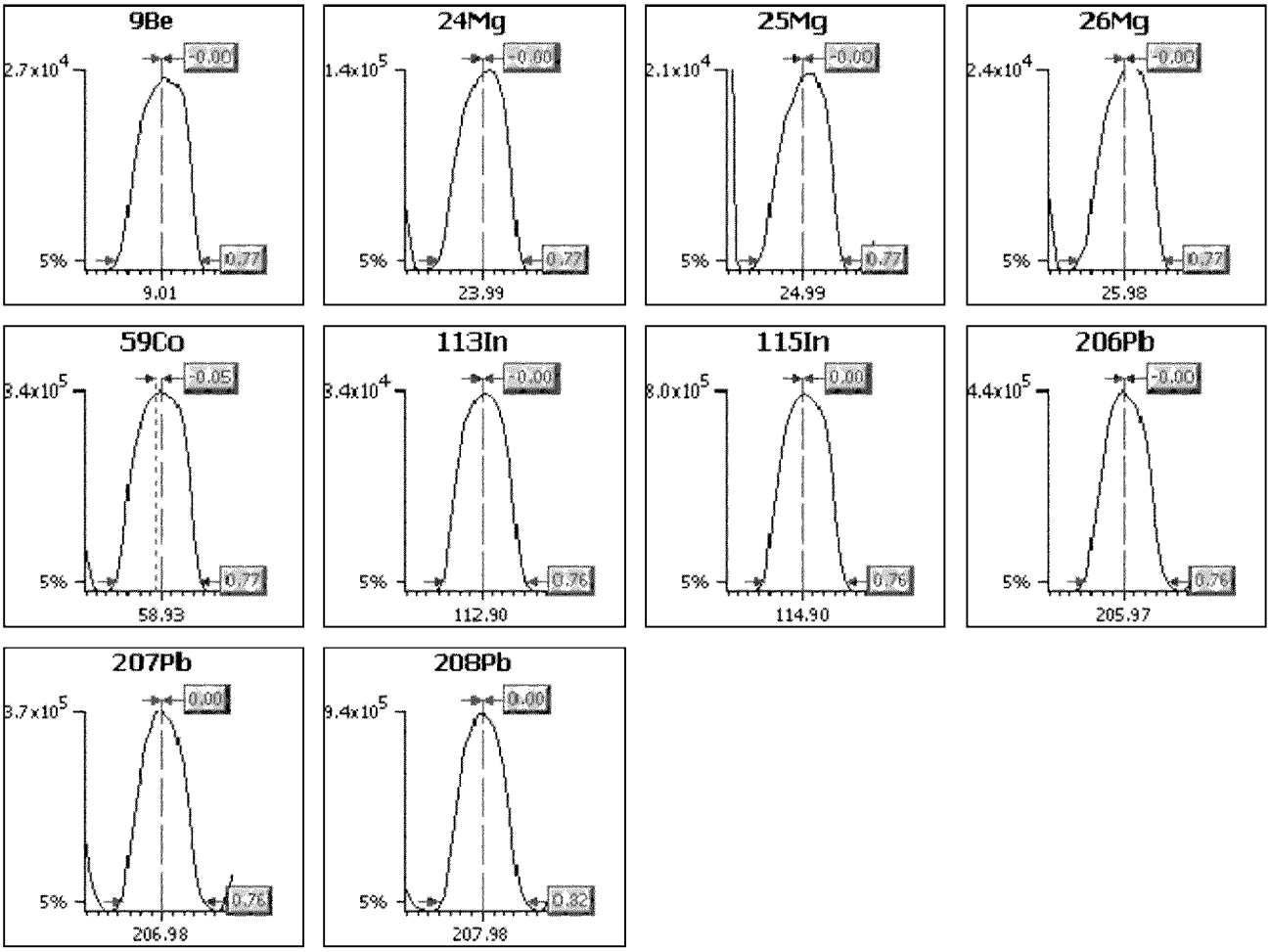
Control Limits ± 30

Performance Report

Sample details
Sample name : TUNE
Acquired at : 07/25/2012 11:48:42 AM
Report name : ISM01.3 [02/16/2012 12:18:42 PM]

Mass Calibration verification

Acquisition parameters
Sweeps : 20
Dwell : 3.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
9Be	0.85	0.65	0.10	0.77	-0.00
24Mg	0.85	0.65	0.10	0.77	-0.00
25Mg	0.85	0.65	0.10	0.77	-0.00
26Mg	0.85	0.65	0.10	0.77	-0.00
59Co	0.85	0.65	0.10	0.77	-0.05
113In	0.85	0.65	0.10	0.76	-0.00
115In	0.85	0.65	0.10	0.76	0.00
206Pb	0.85	0.65	0.10	0.76	-0.00
207Pb	0.85	0.65	0.10	0.76	0.00
208Pb	0.85	0.65	0.10	0.82	0.00

Rev 7/26/2012 jaswal
Out 7/26/2012 11:43:57
Inst Id :P6

Sample details
Sample name : TUNE
Acquired at : 07/25/2012 11:48:42 AM
Report name : ISM01.3 [02/16/2012 12:18:42 PM]

Tune conditions

Major	
Extraction	-153
Lens 1	0.3
Focus	21.4
D1	-36.1
Pole Bias	1.0
Hexapole Bias	-3.0
Nebuliser	0.81
Sampling Depth	130

Minor	
Lens 2	-58.0
Lens 3	-149.8
Forward power	1350
Horizontal	90
Vertical	450
D2	-160
DA	-80.0
Cool	13.0
Auxiliary	0.90

Global	
Standard resolution	n/a
High resolution	n/a
Analogue Detector	n/a
PC Detector	n/a

Add. Gases

Sensitivity and stability results

Acquisition parameters
Sweeps : 130

Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	59Co	138Ba++	113In	115In
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	5.0%	-	5.0%	5.0%
	Countrate	-	>2000	>8000	>1000	>1000	>25000	-	>2500	>50000
1	11:49:05AM	0.000	25617.564	130323.28	20151.896	23889.188	354092.32	8541.014	34160.024	789958.17
2	11:49:33AM	0.000	25463.443	129518.32	20134.949	24220.515	354391.13	8584.117	34103.736	788625.16
3	11:50:02AM	0.769	26382.801	132618.88	20691.127	25066.588	366893.18	8873.524	34672.024	799643.83
4	11:50:31AM	0.769	27352.314	135160.23	21076.305	25424.142	372897.21	9253.765	34716.748	807246.32
5	11:51:00AM	0.000	25864.932	130025.98	20285.161	24853.138	356195.97	8545.632	33979.594	788526.87
x		0.308	26136.211	131529.34	20467.888	24690.714	360893.96	8759.610	34326.425	794800.07
?		0.42	764.02	2352.09	407.46	626.32	8524.80	308.84	342.55	8356.10
%RSD		136.931	2.923	1.788	1.991	2.537	2.362	3.526	0.998	1.051

Run	Time	138Ba	140Ce	156Ce O	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	-	5.0%	5.0%	5.0%	-
	Countrate	-	-	-	>20000	>20000	>40000	<1
1	11:49:05AM	651015.59	916546.61	12350.721	445529.16	375059.65	945833.90	0.000
2	11:49:33AM	655262.53	912883.64	12243.706	445399.04	373211.41	942266.25	0.000
3	11:50:02AM	658419.76	923539.17	12791.108	448622.19	377204.25	950969.35	0.000
4	11:50:31AM	665551.40	934085.92	13205.331	449861.02	376705.97	954017.47	0.769
5	11:51:00AM	646561.53	910505.77	12330.704	440114.37	372042.27	934693.81	0.000
x		655362.16	919512.22	12584.314	445905.16	374844.71	945556.16	0.154
?		7237.46	9519.17	407.22	3773.66	2213.55	7579.37	0.34
%RSD		1.104	1.035	3.236	0.846	0.591	0.802	223.607

Ratio results

Run	Time	156Ce O/ 140Ce	138Ba++/ 138Ba
Ratio limits		<0.0200	<0.0300
1	11:49:05AM	0.013	0.013
2	11:49:33AM	0.013	0.013
3	11:50:02AM	0.014	0.013
4	11:50:31AM	0.014	0.014
5	11:51:00AM	0.014	0.013
x		0.0137	0.0134
?		0.00	0.00
%RSD		2.2239	2.5243

Result : The performance report passed.

Rev 7/26/2012 jaswal
Am 7/26/2012 11:43:57
Inst Id :P6

Fully Quantitative Concentrations

Id	Label	9Be	10B	23Na	24Mg	25Mg	26Mg	27Al	[illegible]	[illegible]
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
3	S1 (S)	1.000	10.000	500.000	500.000	500.000	500.000	20.000	10.000	50.000
4	S2 (S)	125.000	125.000	12500.000	12500.000	12500.000	12500.000	2500.000	125.000	2500.000
5	S3 (S)	250.000	250.000	25000.000	25000.000	25000.000	25000.000	5000.000	250.000	5000.000
6	S4 (S)	500.000	500.000	50000.000	50000.000	50000.000	50000.000	10000.000	500.000	10000.000
7	S5 (S)	1000.000	1000.000	100000.000	100000.000	100000.000	100000.000	20000.000	1000.000	20000.000

Id	Label	39K	43Ca	44Ca	47Ti	51V	52Cr	55Mn	54Fe	56Fe
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
3	S1 (S)	500.000	500.000	500.000	5.000	5.000	2.000	1.000	200.000	200.000
4	S2 (S)	6250.000	12500.000	12500.000	125.000	125.000	125.000	250.000	6250.000	6250.000
5	S3 (S)	12500.000	25000.000	25000.000	250.000	250.000	250.000	500.000	12500.000	12500.000
6	S4 (S)	25000.000	50000.000	50000.000	500.000	500.000	500.000	1000.000	25000.000	25000.000
7	S5 (S)	50000.000	100000.000	100000.000	1000.000	1000.000	1000.000	2000.000	50000.000	50000.000

Id	Label	57Fe	59Co	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
3	S1 (S)	200.000	1.000	1.000	1.000	1.000	2.000	2.000	2.000	2.000
4	S2 (S)	6250.000	125.000	125.000	125.000	125.000	250.000	250.000	250.000	250.000
5	S3 (S)	12500.000	250.000	250.000	250.000	250.000	500.000	500.000	500.000	500.000
6	S4 (S)	25000.000	500.000	500.000	500.000	500.000	1000.000	1000.000	1000.000	1000.000
7	S5 (S)	50000.000	1000.000	1000.000	1000.000	1000.000	2000.000	2000.000	2000.000	2000.000

Id	Label	68Zn	75As	77Se	78Se	82Se	86Sr	88Sr	90Zr	91Zr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
3	S1 (S)	2.000	1.000	5.000	5.000	5.000	1.000	1.000	1.000	1.000
4	S2 (S)	250.000	125.000	125.000	125.000	125.000	125.000	125.000	125.000	125.000
5	S3 (S)	500.000	250.000	250.000	250.000	250.000	250.000	250.000	250.000	250.000
6	S4 (S)	1000.000	500.000	500.000	500.000	500.000	500.000	500.000	500.000	500.000
7	S5 (S)	2000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000

Id	Label	94Mo	95Mo	96Mo	97Mo	98Mo	107Ag	109Ag	106Cd	108Cd
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
3	S1 (S)	5.000	5.000	5.000	5.000	5.000	1.000	1.000	1.000	1.000
4	S2 (S)	125.000	125.000	125.000	125.000	125.000	125.000	125.000	125.000	125.000
5	S3 (S)	250.000	250.000	250.000	250.000	250.000	250.000	250.000	250.000	250.000
6	S4 (S)	500.000	500.000	500.000	500.000	500.000	500.000	500.000	500.000	500.000
7	S5 (S)	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000

Id	Label	111Cd	118Sn	121Sb	135Ba	137Ba	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
3	S1 (S)	1.000	5.000	2.000	10.000	10.000	1.000	1.000	1.000	1.000
4	S2 (S)	125.000	125.000	125.000	625.000	625.000	125.000	125.000	125.000	125.000
5	S3 (S)	250.000	250.000	250.000	1250.000	1250.000	250.000	250.000	250.000	250.000
6	S4 (S)	500.000	500.000	500.000	2500.000	2500.000	500.000	500.000	500.000	500.000
7	S5 (S)	1000.000	1000.000	1000.000	5000.000	5000.000	1000.000	1000.000	1000.000	1000.000

Id	Label	208Pb	232Th	238U
		ppb	ppb	ppb
3	S1 (S)	1.000	1.000	1.000
4	S2 (S)	125.000	125.000	125.000
5	S3 (S)	250.000	250.000	250.000
6	S4 (S)	500.000	500.000	500.000
7	S5 (S)	1000.000	1000.000	1000.000

Calibration Technique

Use External Drift Correction - Yes
Calibrate by - Element

Symbol	Interference Correction	RSF	Calibration Method	Line Fit	Weighting	Forcing	Use for Semi-Quant	Max Error	Minimum Correlation
6Li	Yes	1.00	None				No		
7Li	Yes	1.00	Semi-Quantified				No		
9Be	Yes	0.75	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
10B	Yes	0.58	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
13C	Yes	0.05	None				No		
23Na	Yes	1.00	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
24Mg	Yes	0.98	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
25Mg	Yes	0.98	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
26Mg	Yes	0.98	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
27Al	Yes	0.98	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
28Si	Yes	0.85	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000

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31P	Yes	0.33	Fully-Quantified	Linear	None	ThroughBlank	Yes		
34S	Yes	0.14	None				No		
37Cl	Yes	0.09	None				No		
39K	Yes	1.00	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
43Ca	Yes	0.99	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
44Ca	No	0.99	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
45Sc	Yes	1.00	None				No		
47Ti	Yes	0.99	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
51V	Yes	0.99	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
52Cr	No	0.98	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
55Mn	No	0.95	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
54Fe	Yes	0.96	Fully-Quantified	Linear	None	ThroughBlank	Yes		
56Fe	Yes	0.96	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
57Fe	Yes	0.96	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
59Co	Yes	0.93	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
60Ni	Yes	0.91	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
61Ni	Yes	0.91	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
62Ni	Yes	0.91	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
63Cu	Yes	0.90	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
65Cu	Yes	0.90	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
66Zn	Yes	0.38	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
67Zn	Yes	0.38	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
68Zn	Yes	0.38	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
75As	Yes	0.07	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
77Se	Yes	0.10	Fully-Quantified	Linear	None	ThroughBlank	Yes		
78Se	Yes	0.10	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
82Se	Yes	0.10	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
83Kr	Yes	0.01	Semi-Quantified				No		
86Sr	Yes	0.96	Fully-Quantified	Linear	None	ThroughBlank	Yes		
88Sr	Yes	0.96	Fully-Quantified	Linear	None	ThroughBlank	Yes		
90Zr	Yes	0.99	Fully-Quantified	Linear	None	ThroughBlank	Yes		
91Zr	Yes	0.99	Fully-Quantified	Linear	None	ThroughBlank	Yes		
94Mo	Yes	0.98	Fully-Quantified	Linear	None	ThroughBlank	Yes		
95Mo	Yes	0.98	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
96Mo	Yes	0.98	Fully-Quantified	Linear	None	ThroughBlank	Yes		
97Mo	Yes	0.98	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
98Mo	Yes	0.98	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
99Ru	Yes	0.96	Semi-Quantified				No		
103Rh	Yes	0.94	None				No		
105Pd	Yes	0.93	Semi-Quantified				No		
107Ag	Yes	0.93	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
109Ag	Yes	0.93	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
106Cd	Yes	0.57	Fully-Quantified	Linear	None	ThroughBlank	Yes		
108Cd	No	0.57	Fully-Quantified	Linear	None	ThroughBlank	Yes		
111Cd	Yes	0.57	Fully-Quantified	Linear	None	ThroughBlank	Yes		
115In	Yes	0.99	None				No		
118Sn	Yes	0.96	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
121Sb	Yes	0.39	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
125Te	Yes	0.33	None				No		
135Ba	Yes	0.91	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
137Ba	Yes	0.91	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
159Tb	Yes	0.99	None				No		
165Ho	Yes	1.00	None				No		
203Tl	Yes	1.00	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
206Pb	Yes	0.97	Fully-Quantified	Linear	None	ThroughBlank	Yes		
207Pb	Yes	0.97	Fully-Quantified	Linear	None	ThroughBlank	Yes		
208Pb	Yes	0.97	Fully-Quantified	Linear	None	ThroughBlank	Yes		
209Bi	Yes	0.92	None				No		
232Th	Yes	1.00	Fully-Quantified	Linear	None	ThroughBlank	Yes		
238U	Yes	1.00	Fully-Quantified	Linear	None	ThroughBlank	Yes		
205Tl	Yes	1.00	Fully-Quantified	Linear	None	ThroughBlank	Yes		0.995000
77ArCl	Yes		Semi-Quantified				No		
137Ba++	Yes		Semi-Quantified				No		
53ClO	Yes		Semi-Quantified				No		
108MoO	Yes		Semi-Quantified				No		

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	TUNE	InstrumentSetup	1.000	1	1	1	144
2	S0 (S0)	Blank	1.000	1	1	1	144
3	S1 (S)	FullyQuantStandard	1.000	1	1	2	144
4	S2 (S)	FullyQuantStandard	1.000	1	1	3	144
5	S3 (S)	FullyQuantStandard	1.000	1	1	4	144
6	S4 (S)	FullyQuantStandard	1.000	1	1	5	144

7	S5 (S)	FullyQuantStandard	1.000	1	1	6	144
8	ICV64	Unknown	1.000	1	1	7	144
9	ICB64	Unknown	1.000	1	1	8	144
10	ICSA64	Unknown	1.000	1	1	9	144
11	ICSAB64	Unknown	1.000	1	1	10	144
12	ICSA64X10	Unknown	1.000	1	1	11	144
13	ICSAB54X10	Unknown	1.000	1	1	12	144
14	CCV08	Unknown	1.000	1	2	1	144
15	CCB08	Unknown	1.000	1	2	2	144
16	PB64537BLPBW01	Unknown	1.000	1	2	3	144
17	PB64538BLPBW01	Unknown	1.000	1	2	4	144
18	PB64539BLPBW01	Unknown	1.000	1	2	5	144
19	PB64537BSLCS01	Unknown	1.000	1	2	6	144
20	PB64538BSLCS01	Unknown	1.000	1	2	7	144
21	PB64539BSLCS01	Unknown	1.000	1	2	8	144
22	D348501MH3BQ1	Unknown	1.000	1	2	9	144
23	D348502MH3BQ2	Unknown	1.000	1	2	10	144
24	D348503MH3BQ3	Unknown	1.000	1	2	11	144
25	D348504MH3BQ4	Unknown	1.000	1	2	12	144
26	CCV09	Unknown	1.000	1	3	1	144
27	CCB09	Unknown	1.000	1	3	2	144
28	D348505MH3BQ5	Unknown	1.000	1	3	3	144
29	D348506MH3BQ6	Unknown	1.000	1	3	4	144
30	D348507MH3BQ7	Unknown	1.000	1	3	5	144
31	D348508MH3BQ8	Unknown	1.000	1	3	6	144
32	D348509MH3BQ9	Unknown	1.000	1	3	7	144
33	D348510MH3BR0	Unknown	1.000	1	3	8	144
34	D348511MH3BR1	Unknown	1.000	1	3	9	144
35	D348512MH3BR2	Unknown	1.000	1	3	10	144
36	D348512DMH3BR2D	Unknown	1.000	1	3	11	144
37	D348512LX5MH3BR2L	Unknown	1.000	1	3	12	144
38	CCV10	Unknown	1.000	1	4	1	144
39	CCB10	Unknown	1.000	1	4	2	144
40	D348513MH3BR3	Unknown	1.000	1	4	3	144
41	D348514MH3BR4	Unknown	1.000	1	4	4	144
42	D348515MH3BR5	Unknown	1.000	1	4	5	144
43	D348516MH3BR6	Unknown	1.000	1	4	6	144
44	D348517MH3BR7	Unknown	1.000	1	4	7	144
45	D348518MH3BR8	Unknown	1.000	1	4	8	144
46	D348518SMH3BR8S	Unknown	1.000	1	4	9	144
47	D348519MH3BR9	Unknown	1.000	1	4	10	144
48	D348601MH3BM4	Unknown	1.000	1	4	11	144
49	D348602MH3BM5	Unknown	1.000	1	4	12	144
50	CCV11	Unknown	1.000	1	5	1	144
51	CCB11	Unknown	1.000	1	5	2	144
52	D348603MH3BM6	Unknown	1.000	1	5	3	144
53	D348604MH3BM7	Unknown	1.000	1	5	4	144
54	D348605MH3BM8	Unknown	1.000	1	5	5	144
55	D348606MH3BM9	Unknown	1.000	1	5	6	144
56	D348607MH3BN0	Unknown	1.000	1	5	7	144
57	D348608MH3BN1	Unknown	1.000	1	5	8	144
58	D348609MH3BN2	Unknown	1.000	1	5	9	144
59	D348610MH3BN3	Unknown	1.000	1	5	10	144
60	D348611MH3BN4	Unknown	1.000	1	5	11	144
61	D348612MH3BN5	Unknown	1.000	1	5	12	144
62	CCV12	Unknown	1.000	2	1	1	144
63	CCB12	Unknown	1.000	2	1	2	144
64	D348613MH3BN6	Unknown	1.000	2	1	3	144
65	D348614MH3BN7	Unknown	1.000	2	1	4	144
66	D348614DMH3BN7D	Unknown	1.000	2	1	5	144
67	D348614LX5MH3BN7L	Unknown	1.000	2	1	6	144
68	D348615MH3BN8	Unknown	1.000	2	1	7	144
69	D348616MH3BN9	Unknown	1.000	2	1	8	144
70	D348616SMH3BN9	Unknown	1.000	2	1	9	144
71	D348617MH3BP0	Unknown	1.000	2	1	10	144
72	D348618MH3BP1	Unknown	1.000	2	1	11	144
73	D348619MH3BP2	Unknown	1.000	2	1	12	144
74	CCV13	Unknown	1.000	2	2	1	144
75	CCB13	Unknown	1.000	2	2	2	144
76	D348620MH3BP3	Unknown	1.000	2	2	3	144
77	D348701MH3BP4	Unknown	1.000	2	2	4	144
78	D348701DMH3BP4D	Unknown	1.000	2	2	5	144
79	D348701LX5MH3BP4L	Unknown	1.000	2	2	6	144
80	D348702MH3BP5	Unknown	1.000	2	2	7	144

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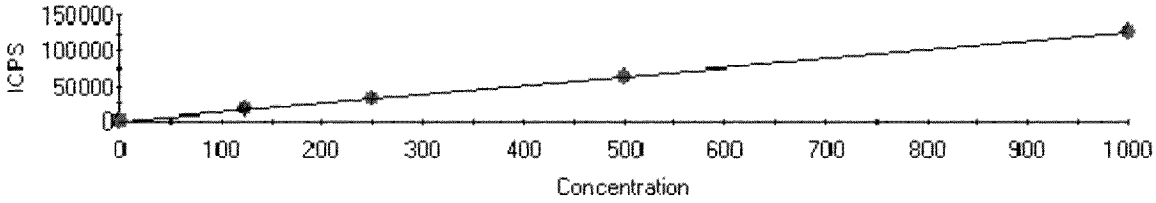
81	D348702SMH3BP5	Unknown	1.000	2	2	8	144
82	D348703MH3BP6	Unknown	1.000	2	2	9	144
83	D348704MH3BP7	Unknown	1.000	2	2	10	144
84	D348705MH3BP8	Unknown	1.000	2	2	11	144
85	D348706MH3BP9	Unknown	1.000	2	2	12	144
86	CCV14	Unknown	1.000	2	3	1	144
87	CCB14	Unknown	1.000	2	3	2	144
88	D348707MH3BQ0	Unknown	1.000	2	3	3	144
89	ZZZZZZ	Unknown	1.000	2	3	4	144
90	S1(CRQLSTD)CRI	Unknown	1.000	2	3	5	144
91	CCV15	Unknown	1.000	2	3	6	144
92	CCB15	Unknown	1.000	2	3	7	144
93	D3341-27X10	Unknown	1.000	2	3	8	144
94	CCV	Unknown	1.000	2	3	9	144
95	CCB	Unknown	1.000	2	3	10	144

Fully Quant Calibration

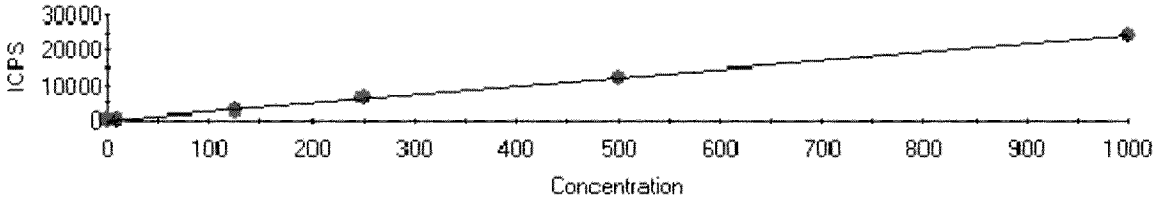
9Be FQ Block 1



Intercept CPS=7.486106 Intercept Conc=0.058567
Sensitivity=127.820161 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	7.49	0.00
S1 (S)	1.000	0.835	0.165	114.24	16.48
S2 (S)	125.000	124.181	0.819	15880.30	0.66
S3 (S)	250.000	250.776	0.776	32061.76	0.31
S4 (S)	500.000	501.655	1.655	64129.10	0.33
S5 (S)	1000.000	999.081	0.919	127710.18	0.09

10B FQ Block 1



Intercept CPS=11.916549 Intercept Conc=0.486627
Sensitivity=24.488058 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	11.92	0.00
S1 (S)	10.000	9.267	0.733	238.84	7.33
S2 (S)	125.000	122.823	2.177	3019.60	1.74
S3 (S)	250.000	248.757	1.243	6103.48	0.50
S4 (S)	500.000	500.889	0.889	12277.72	0.18
S5 (S)	1000.000	1000.146	0.146	24503.54	0.01

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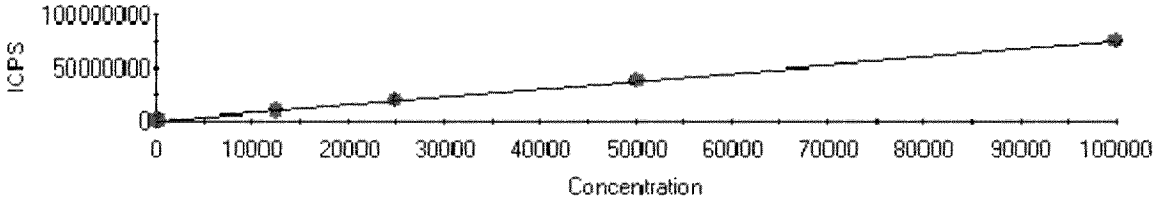
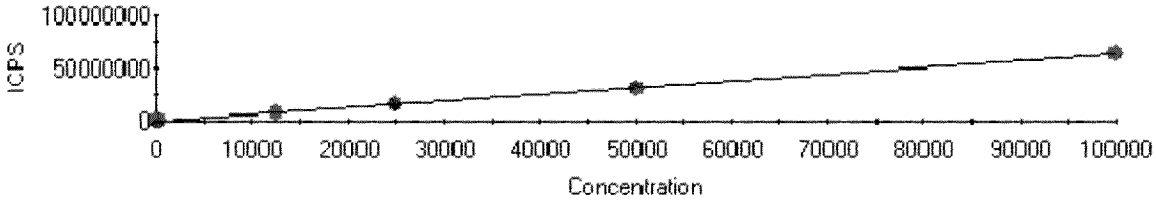
23Na FQ Block 1



Intercept CPS=118126.192741 Intercept Conc=156.870827
Sensitivity=753.015681 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	118126.19	0.00
S1 (S)	500.000	493.159	6.841	489482.30	1.37
S2 (S)	12500.000	12206.108	293.892	9309516.95	2.35
S3 (S)	25000.000	24857.006	142.994	18835841.28	0.57
S4 (S)	50000.000	49808.562	191.438	37624754.37	0.38
S5 (S)	100000.000	100168.238	168.238	75546380.42	0.17

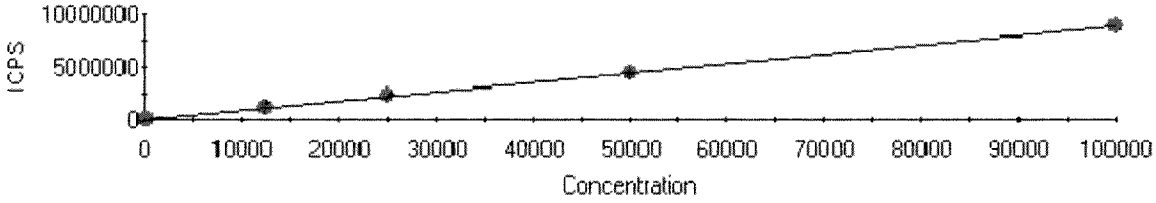
24Mg FQ Block 1



Intercept CPS=1187.170716 Intercept Conc=1.883070
Sensitivity=630.444118 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	1187.17	0.00
S1 (S)	500.000	508.928	8.928	322037.75	1.79
S2 (S)	12500.000	12327.224	172.776	7772812.72	1.38
S3 (S)	25000.000	24979.196	20.804	15749174.60	0.08
S4 (S)	50000.000	50019.729	19.729	31535831.11	0.04
S5 (S)	100000.000	100016.889	16.889	63056246.40	0.02

25Mg FQ Block 1



Intercept CPS=153.660438 Intercept Conc=1.722104
Sensitivity=89.228326 Correlation Coeff=0.999977

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	153.66	0.00
S1 (S)	500.000	506.953	6.953	45388.26	1.39
S2 (S)	12500.000	12884.015	384.015	1149772.74	3.07
S3 (S)	25000.000	25149.177	149.177	2244172.64	0.60
S4 (S)	50000.000	49579.510	420.490	4424050.28	0.84
S5 (S)	100000.000	100124.914	124.914	8934132.10	0.12

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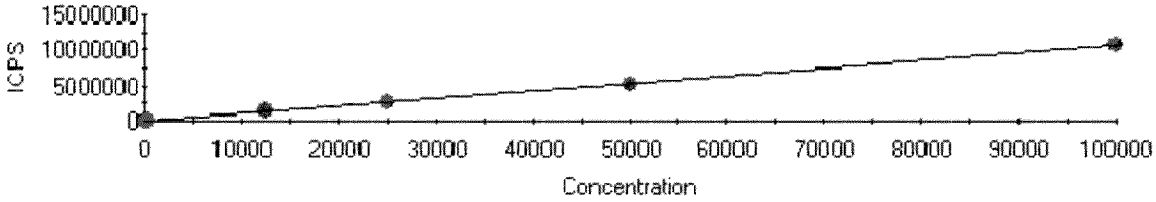
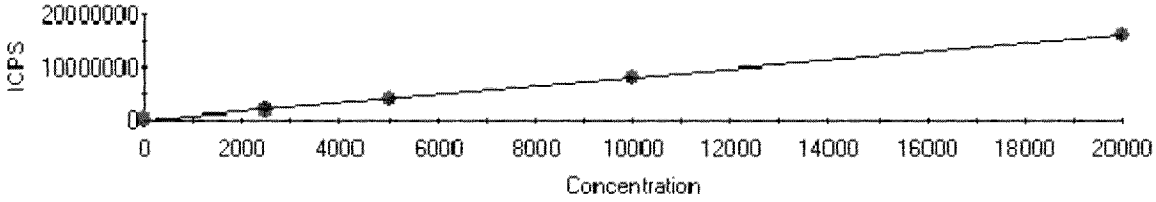
26Mg FQ Block 1



Intercept CPS=154.075581 Intercept Conc=1.442588
Sensitivity=106.804970 Correlation Coeff=0.999976

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	154.08	0.00
S1 (S)	500.000	510.257	10.257	54652.02	2.05
S2 (S)	12500.000	12878.405	378.405	1375631.77	3.03
S3 (S)	25000.000	25005.302	5.302	2670844.59	0.02
S4 (S)	50000.000	49572.046	427.954	5294694.91	0.86
S5 (S)	100000.000	100165.300	165.300	10698305.89	0.17

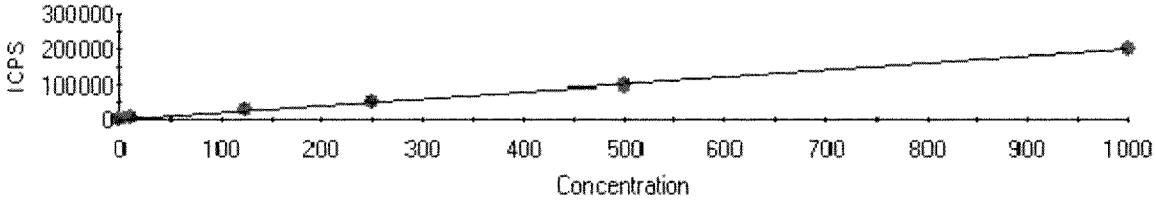
27Al FQ Block 1



Intercept CPS=2393.769550 Intercept Conc=2.976671
Sensitivity=804.176642 Correlation Coeff=0.999970

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	2393.77	0.00
S1 (S)	20.000	20.464	0.464	18850.61	2.32
S2 (S)	2500.000	2479.925	20.075	1996691.17	0.80
S3 (S)	5000.000	4924.283	75.717	3962386.75	1.51
S4 (S)	10000.000	9894.407	105.593	7959244.61	1.06
S5 (S)	20000.000	20074.235	74.235	16145624.61	0.37

28Si FQ Block 1



Intercept CPS=1992.778357 Intercept Conc=10.096666
Sensitivity=197.369937 Correlation Coeff=0.999990

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	1992.78	0.00
S1 (S)	10.000	9.569	0.431	3881.35	4.31
S2 (S)	125.000	123.557	1.443	26379.19	1.15
S3 (S)	250.000	246.996	3.004	50742.31	1.20
S4 (S)	500.000	497.297	2.703	100144.28	0.54
S5 (S)	1000.000	1002.287	2.287	199814.14	0.23

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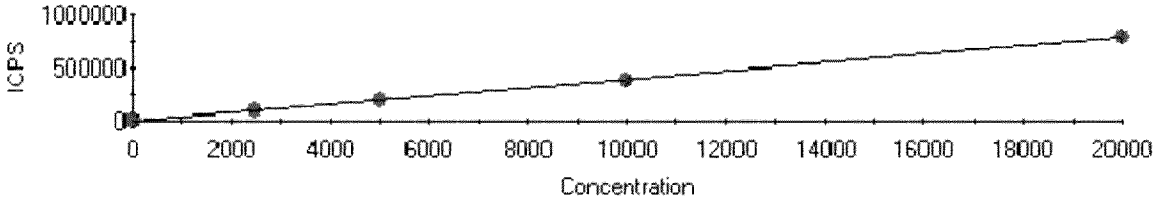
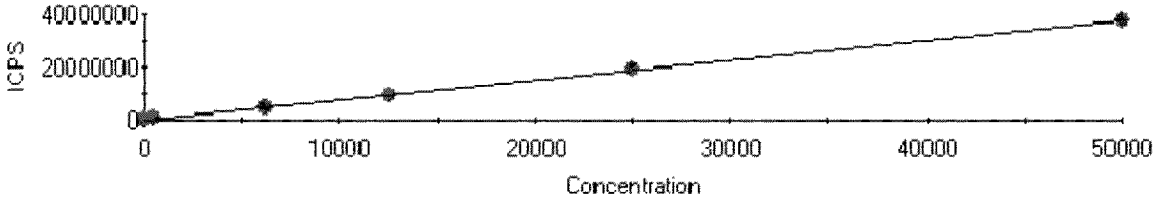
31P FQ Block 1



Intercept CPS=1789.965159 Intercept Conc=45.542939
Sensitivity=39.302803 Correlation Coeff=0.999970

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	1789.97	0.00
S1 (S)	50.000	48.999	1.001	3715.77	2.00
S2 (S)	2500.000	2460.462	39.538	98493.04	1.58
S3 (S)	5000.000	4912.564	87.436	194867.50	1.75
S4 (S)	10000.000	9901.565	98.435	390949.23	0.98
S5 (S)	20000.000	20076.021	76.021	790833.88	0.38

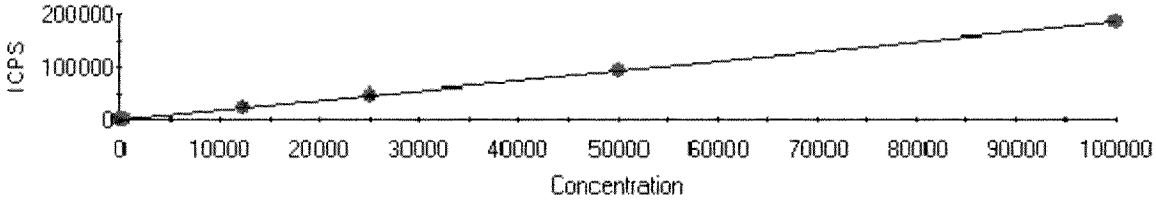
39K FQ Block 1



Intercept CPS=160401.023528 Intercept Conc=212.958061
Sensitivity=753.204751 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	160401.02	0.00
S1 (S)	500.000	506.591	6.591	541967.91	1.32
S2 (S)	6250.000	6152.506	97.494	4794497.57	1.56
S3 (S)	12500.000	12457.838	42.162	9543703.85	0.34
S4 (S)	25000.000	24944.505	55.495	18948720.92	0.22
S5 (S)	50000.000	50050.409	50.409	37858606.63	0.10

43Ca FQ Block 1



Intercept CPS=26.065386 Intercept Conc=14.173527
Sensitivity=1.839019 Correlation Coeff=0.999989

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	26.07	0.00
S1 (S)	500.000	485.290	14.710	918.52	2.94
S2 (S)	12500.000	12435.476	64.524	22895.14	0.52
S3 (S)	25000.000	25174.751	174.751	46322.91	0.70
S4 (S)	50000.000	49656.080	343.920	91344.54	0.69
S5 (S)	100000.000	100136.411	136.411	184178.84	0.14

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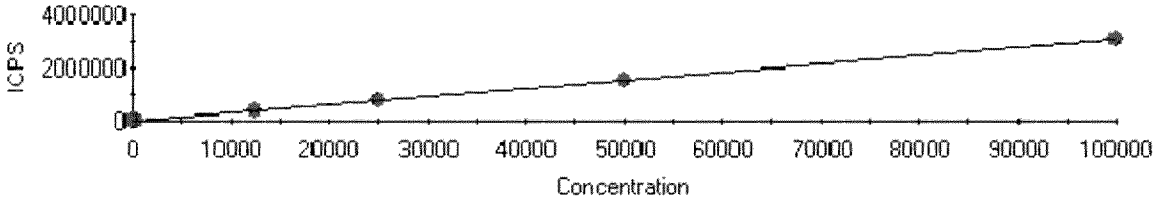
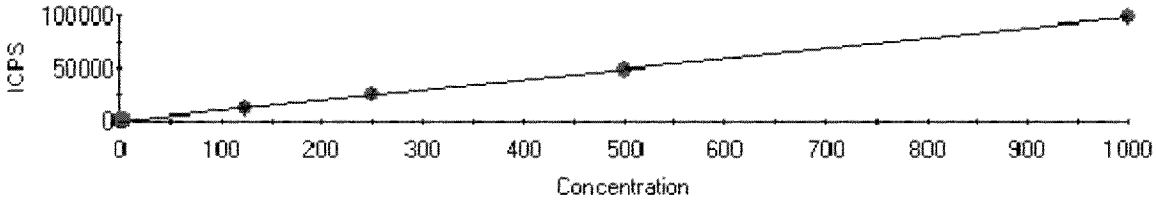
44Ca FQ Block 1



Intercept CPS=766.660119 Intercept Conc=25.156012
Sensitivity=30.476218 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	766.66	0.00
S1 (S)	500.000	485.883	14.117	15574.53	2.82
S2 (S)	12500.000	12465.385	34.615	380664.46	0.28
S3 (S)	25000.000	24995.079	4.921	762522.13	0.02
S4 (S)	50000.000	49761.711	238.289	1517315.44	0.48
S5 (S)	100000.000	100124.772	124.772	3052191.08	0.12

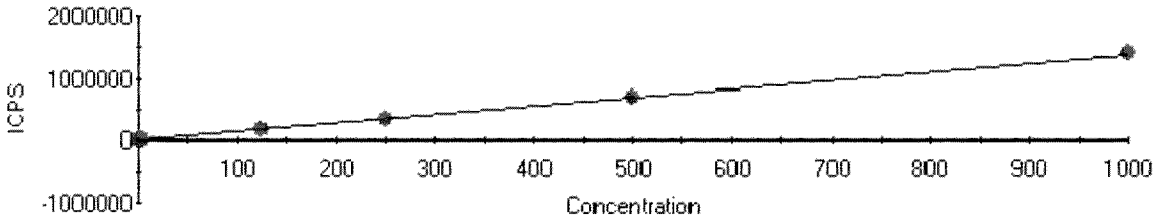
47Ti FQ Block 1



Intercept CPS=17.688906 Intercept Conc=0.180559
Sensitivity=97.967726 Correlation Coeff=0.999991

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	17.69	0.00
S1 (S)	5.000	4.362	0.638	445.01	12.76
S2 (S)	125.000	123.798	1.202	12145.87	0.96
S3 (S)	250.000	247.136	2.864	24229.02	1.15
S4 (S)	500.000	497.433	2.567	48750.03	0.51
S5 (S)	1000.000	1002.153	2.153	98196.36	0.22

51V FQ Block 1



Intercept CPS=-282.863884 Intercept Conc=-0.202702
Sensitivity=1395.463865 Correlation Coeff=0.999958

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	-282.86	0.00
S1 (S)	5.000	4.918	0.082	6580.70	1.63
S2 (S)	125.000	123.568	1.432	172152.48	1.15
S3 (S)	250.000	247.693	2.307	345363.20	0.92
S4 (S)	500.000	492.918	7.082	687566.82	1.42
S5 (S)	1000.000	1004.297	4.297	1401177.37	0.43

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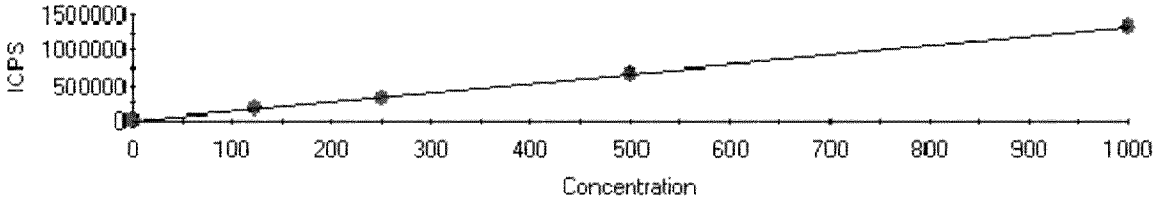
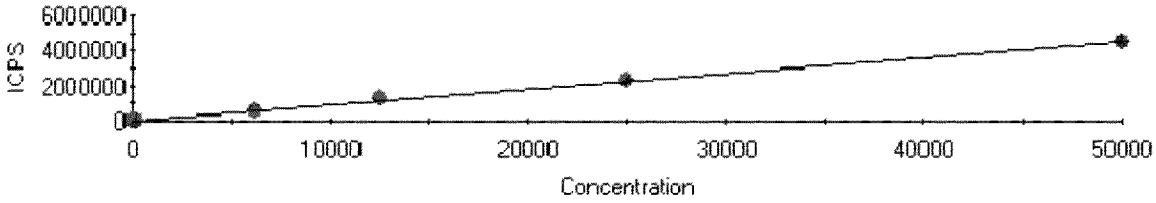
52Cr FQ Block 1



Intercept CPS=741.214529 Intercept Conc=0.562679
Sensitivity=1317.295300 Correlation Coeff=0.999983

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	741.21	0.00
S1 (S)	2.000	2.032	0.032	3417.81	1.59
S2 (S)	125.000	124.458	0.542	164689.76	0.43
S3 (S)	250.000	249.835	0.165	329847.93	0.07
S4 (S)	500.000	495.324	4.676	653228.86	0.94
S5 (S)	1000.000	1002.447	2.447	1321259.88	0.24

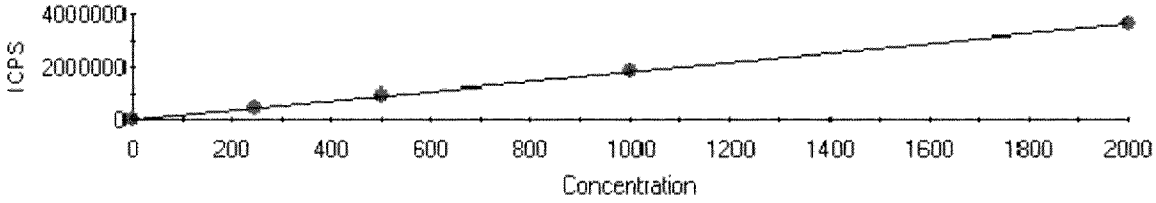
54Fe FQ Block 1



Intercept CPS=6105.302948 Intercept Conc=67.191645
Sensitivity=90.864020 Correlation Coeff=0.999838

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	6105.30	0.00
S1 (S)	200.000	208.720	8.720	25070.48	4.36
S2 (S)	6250.000	6690.023	440.023	613987.70	7.04
S3 (S)	12500.000	13273.933	773.933	1212228.17	6.19
S4 (S)	25000.000	24891.505	108.495	2267847.54	0.43
S5 (S)	50000.000	49805.726	194.274	4531653.81	0.39

55Mn FQ Block 1



Intercept CPS=1017.780387 Intercept Conc=0.563337
Sensitivity=1806.700519 Correlation Coeff=0.999912

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	1017.78	0.00
S1 (S)	1.000	0.954	0.046	2741.40	4.60
S2 (S)	250.000	258.128	8.128	467378.36	3.25
S3 (S)	500.000	513.923	13.923	929523.61	2.78
S4 (S)	1000.000	1016.962	16.962	1838363.00	1.70
S5 (S)	2000.000	1987.022	12.978	3590971.94	0.65

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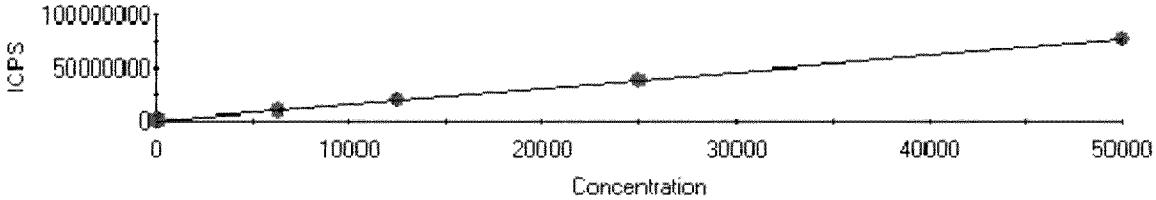
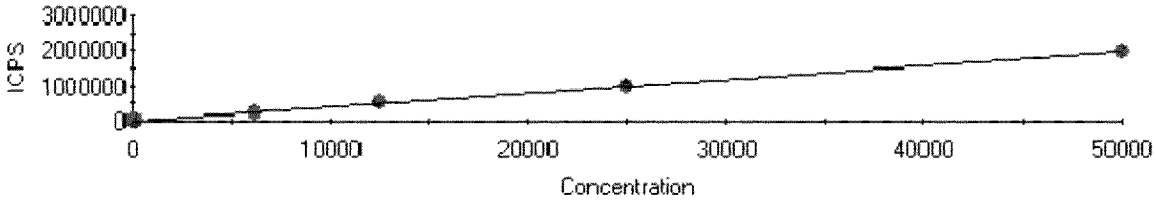
56Fe FQ Block 1



Intercept CPS=95330.902310 Intercept Conc=61.712806
Sensitivity=1544.750728 Correlation Coeff=0.999989

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	95330.90	0.00
S1 (S)	200.000	214.353	14.353	426453.33	7.18
S2 (S)	6250.000	6270.508	20.508	9781703.37	0.33
S3 (S)	12500.000	12586.278	86.278	19537992.67	0.69
S4 (S)	25000.000	24831.919	168.081	38454456.50	0.67
S5 (S)	50000.000	50059.850	59.850	77425320.44	0.12

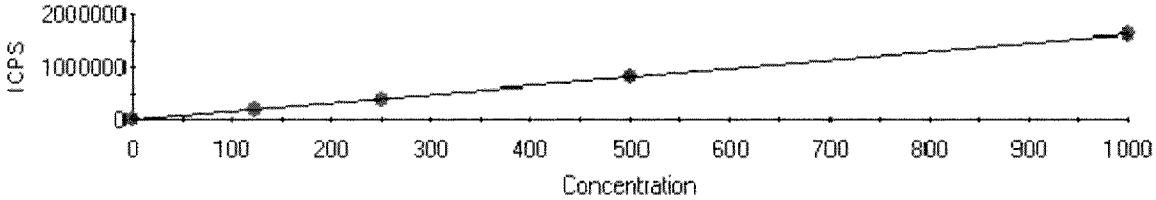
57Fe FQ Block 1



Intercept CPS=2881.395100 Intercept Conc=73.753529
Sensitivity=39.067895 Correlation Coeff=0.999866

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	2881.40	0.00
S1 (S)	200.000	208.195	8.195	11015.15	4.10
S2 (S)	6250.000	6461.616	211.616	255323.14	3.39
S3 (S)	12500.000	12903.259	403.259	506984.56	3.23
S4 (S)	25000.000	25546.848	546.848	1000942.98	2.19
S5 (S)	50000.000	49599.276	400.724	1940620.70	0.80

59Co FQ Block 1



Intercept CPS=40.572506 Intercept Conc=0.025262
Sensitivity=1606.094707 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	40.57	0.00
S1 (S)	1.000	1.001	0.001	1647.98	0.08
S2 (S)	125.000	125.968	0.968	202356.70	0.77
S3 (S)	250.000	250.874	0.874	402968.38	0.35
S4 (S)	500.000	498.879	1.121	801288.16	0.22
S5 (S)	1000.000	1000.221	0.221	1606489.84	0.02

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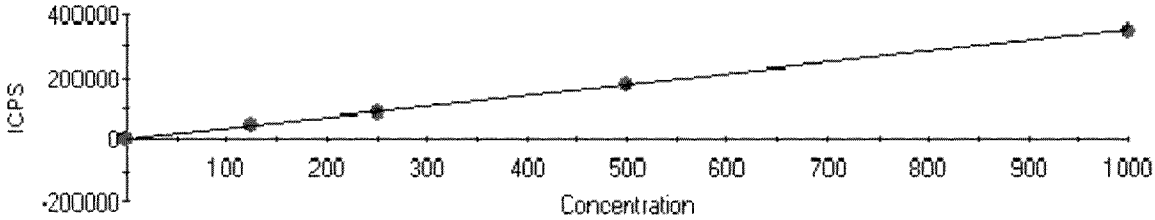
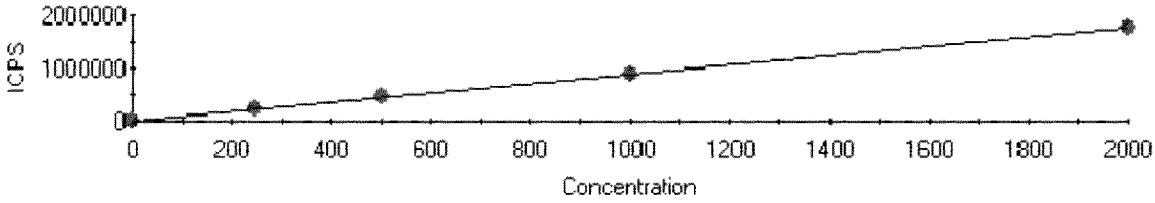
60Ni FQ Block 1



Intercept CPS=-203.795983 Intercept Conc=-0.579194
Sensitivity=351.861168 Correlation Coeff=0.999983

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	-203.80	0.00
S1 (S)	1.000	1.088	0.088	179.10	8.82
S2 (S)	125.000	127.727	2.727	44738.29	2.18
S3 (S)	250.000	252.863	2.863	88768.71	1.15
S4 (S)	500.000	503.632	3.632	177004.86	0.73
S5 (S)	1000.000	997.127	2.873	350646.57	0.29

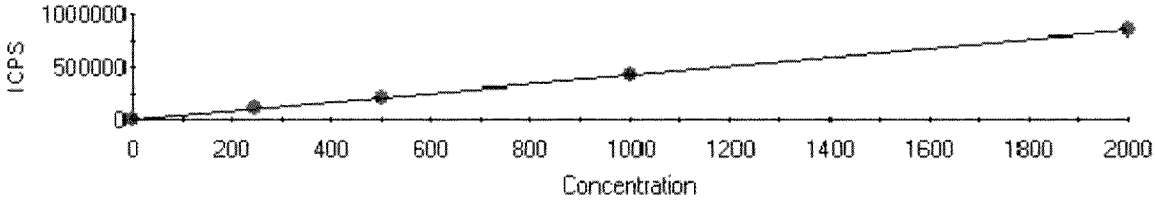
63Cu FQ Block 1



Intercept CPS=222.399045 Intercept Conc=0.253052
Sensitivity=878.868064 Correlation Coeff=0.999987

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	222.40	0.00
S1 (S)	2.000	2.053	0.053	2026.30	2.63
S2 (S)	250.000	254.415	4.415	223819.48	1.77
S3 (S)	500.000	508.303	8.303	446953.98	1.66
S4 (S)	1000.000	1003.311	3.311	882000.31	0.33
S5 (S)	2000.000	1995.717	4.283	1754194.16	0.21

65Cu FQ Block 1



Intercept CPS=103.154023 Intercept Conc=0.243192
Sensitivity=424.166806 Correlation Coeff=0.999988

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	103.15	0.00
S1 (S)	2.000	1.930	0.070	921.82	3.50
S2 (S)	250.000	254.863	4.863	108207.53	1.95
S3 (S)	500.000	508.428	8.428	215761.36	1.69
S4 (S)	1000.000	1001.788	1.788	425028.18	0.18
S5 (S)	2000.000	1996.391	3.609	846906.15	0.18

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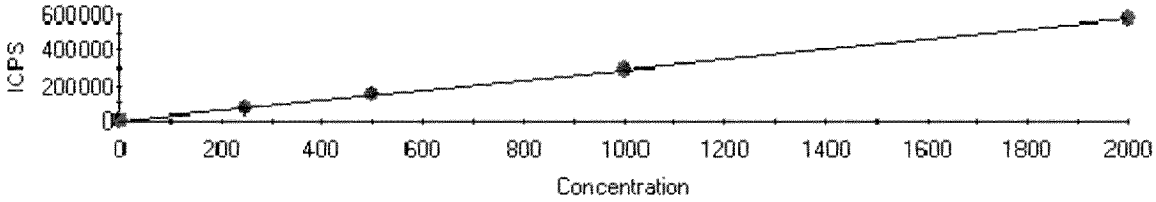
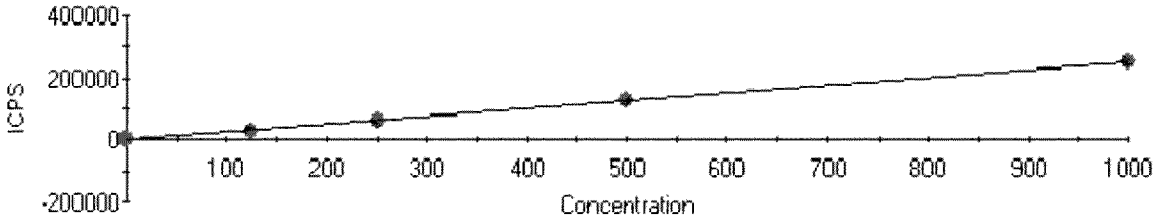
66Zn FQ Block 1



Intercept CPS=197.904808 Intercept Conc=0.687241
Sensitivity=287.970126 Correlation Coeff=0.999965

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	197.90	0.00
S1 (S)	2.000	5.168	3.168	1686.02	158.38
S2 (S)	250.000	256.660	6.660	74108.30	2.66
S3 (S)	500.000	509.725	9.725	146983.45	1.94
S4 (S)	1000.000	1011.019	11.019	291341.21	1.10
S5 (S)	2000.000	1991.224	8.776	573610.80	0.44

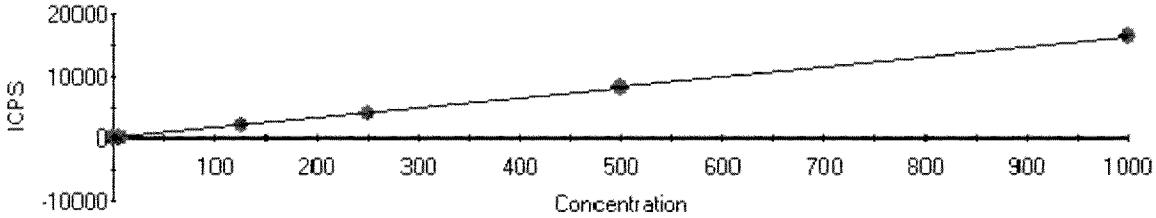
75As FQ Block 1



Intercept CPS=-30.958457 Intercept Conc=-0.123715
Sensitivity=250.239365 Correlation Coeff=0.999988

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	-30.96	0.00
S1 (S)	1.000	0.816	0.184	173.35	18.36
S2 (S)	125.000	123.028	1.972	30755.39	1.58
S3 (S)	250.000	247.693	2.307	61951.65	0.92
S4 (S)	500.000	496.608	3.392	124240.01	0.68
S5 (S)	1000.000	1002.519	2.519	250838.82	0.25

77Se FQ Block 1



Intercept CPS=-4.033392 Intercept Conc=-0.244230
Sensitivity=16.514756 Correlation Coeff=0.999988

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	-4.03	0.00
S1 (S)	5.000	4.510	0.490	70.44	9.81
S2 (S)	125.000	125.979	0.979	2076.48	0.78
S3 (S)	250.000	251.217	1.217	4144.76	0.49
S4 (S)	500.000	496.347	3.653	8193.01	0.73
S5 (S)	1000.000	1001.402	1.402	16533.88	0.14

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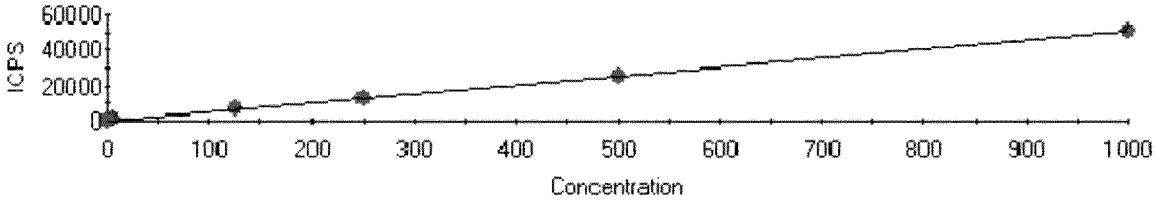
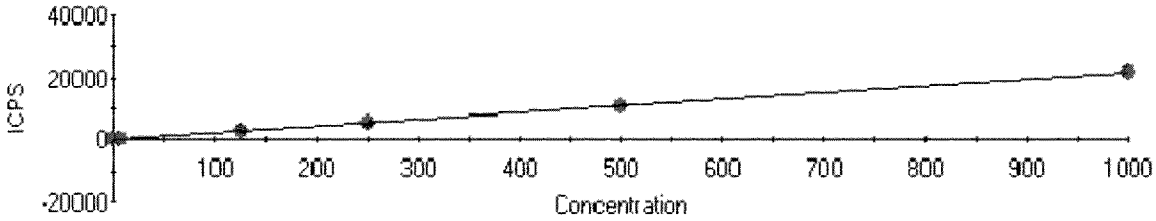
78Se FQ Block 1



Intercept CPS=396.881356 Intercept Conc=7.900466
Sensitivity=50.235184 Correlation Coeff=1.000000

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	396.88	0.00
S1 (S)	5.000	5.023	0.023	649.23	0.47
S2 (S)	125.000	124.196	0.804	6635.89	0.64
S3 (S)	250.000	249.622	0.378	12936.67	0.15
S4 (S)	500.000	499.656	0.344	25497.21	0.07
S5 (S)	1000.000	1000.367	0.367	50650.49	0.04

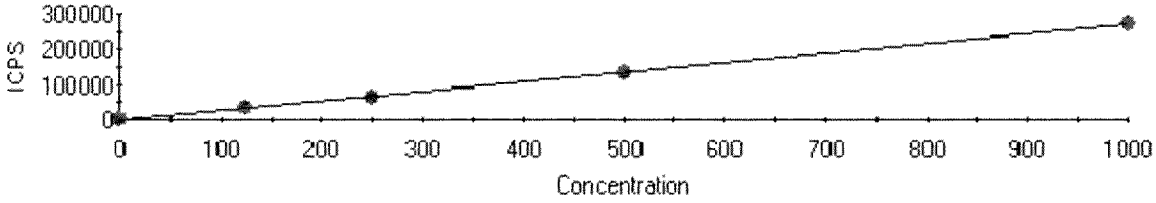
82Se FQ Block 1



Intercept CPS=-5.238075 Intercept Conc=-0.243745
Sensitivity=21.490020 Correlation Coeff=0.999987

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	-5.24	0.00
S1 (S)	5.000	4.504	0.496	91.56	9.91
S2 (S)	125.000	125.707	0.707	2696.22	0.57
S3 (S)	250.000	250.641	0.641	5381.05	0.26
S4 (S)	500.000	496.000	4.000	10653.81	0.80
S5 (S)	1000.000	1001.754	1.754	21522.47	0.18

86Sr FQ Block 1



Intercept CPS=69.025818 Intercept Conc=0.257288
Sensitivity=268.282562 Correlation Coeff=0.999964

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	69.03	0.00
S1 (S)	1.000	0.853	0.147	297.79	14.73
S2 (S)	125.000	122.133	2.867	32835.24	2.29
S3 (S)	250.000	246.335	3.665	66156.28	1.47
S4 (S)	500.000	494.108	5.892	132629.61	1.18
S5 (S)	1000.000	1004.221	4.221	269483.96	0.42

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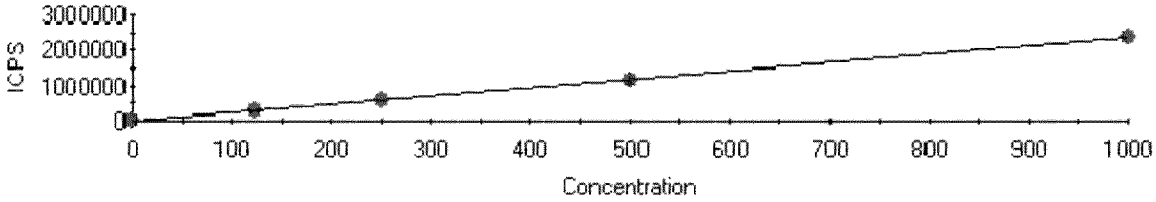
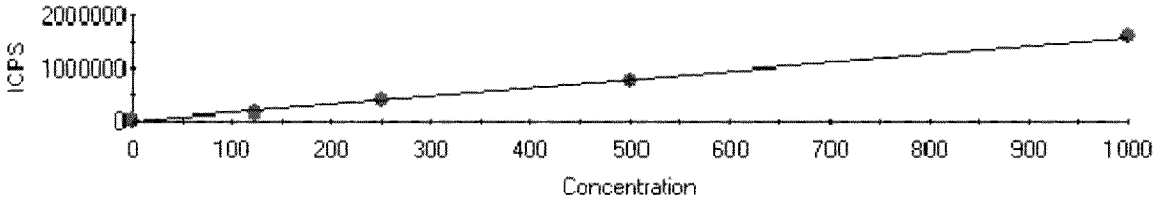
88Sr FQ Block 1



Intercept CPS=99.713896 Intercept Conc=0.041943
Sensitivity=2377.356411 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	99.71	0.00
S1 (S)	1.000	0.917	0.083	2278.77	8.34
S2 (S)	125.000	121.775	3.225	289601.13	2.58
S3 (S)	250.000	247.190	2.810	587758.50	1.12
S4 (S)	500.000	495.549	4.451	1178197.26	0.89
S5 (S)	1000.000	1003.331	3.331	2385375.25	0.33

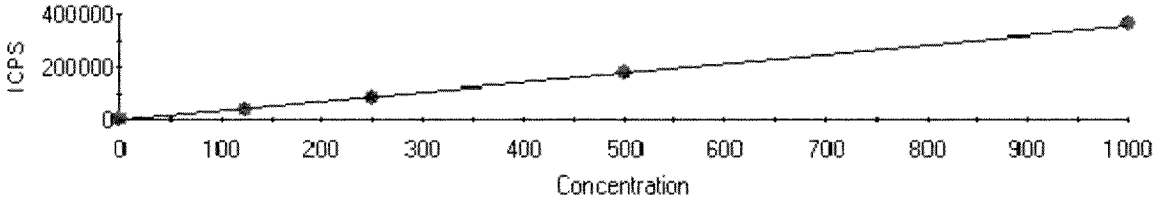
90Zr FQ Block 1



Intercept CPS=32.293546 Intercept Conc=0.020316
Sensitivity=1589.578825 Correlation Coeff=0.999721

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	32.29	0.00
S1 (S)	1.000	0.018	0.982	61.29	98.18
S2 (S)	125.000	101.315	23.685	161080.43	18.95
S3 (S)	250.000	245.368	4.632	390064.19	1.85
S4 (S)	500.000	495.037	4.963	786932.43	0.99
S5 (S)	1000.000	1006.601	6.601	1600104.17	0.66

91Zr FQ Block 1



Intercept CPS=2.602265 Intercept Conc=0.007279
Sensitivity=357.511488 Correlation Coeff=0.999716

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	2.60	0.00
S1 (S)	1.000	0.013	0.987	7.38	98.66
S2 (S)	125.000	101.065	23.935	36134.58	19.15
S3 (S)	250.000	246.162	3.838	88008.23	1.54
S4 (S)	500.000	495.232	4.768	177053.73	0.95
S5 (S)	1000.000	1006.336	6.336	359779.43	0.63

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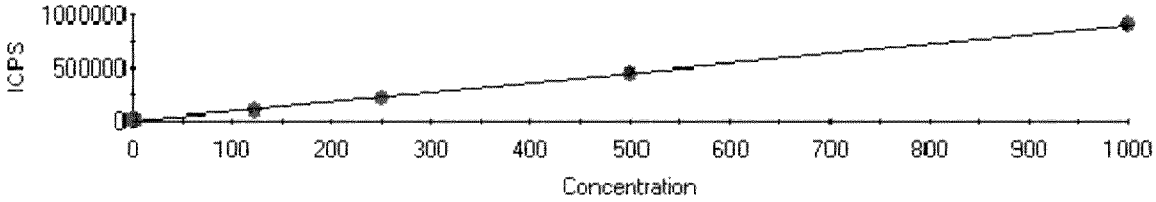
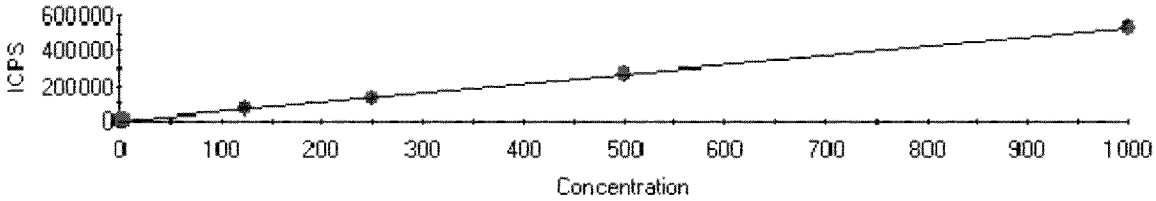
94Mo FQ Block 1



Intercept CPS=13.542591 Intercept Conc=0.015058
Sensitivity=899.363094 Correlation Coeff=0.999860

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	13.54	0.00
S1 (S)	5.000	1.550	3.450	1407.68	69.00
S2 (S)	125.000	108.042	16.958	97182.53	13.57
S3 (S)	250.000	245.503	4.497	220809.79	1.80
S4 (S)	500.000	494.092	5.908	444381.42	1.18
S5 (S)	1000.000	1006.215	6.215	904966.54	0.62

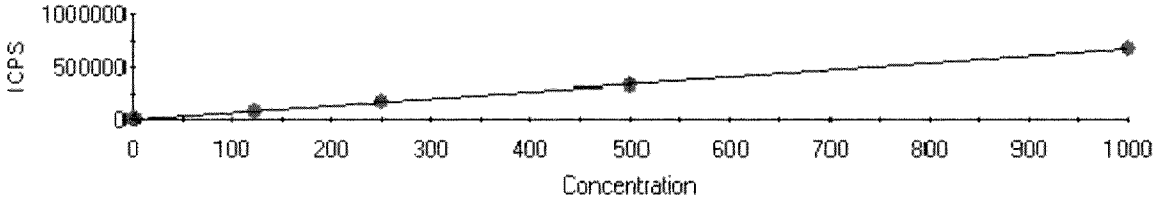
95Mo FQ Block 1



Intercept CPS=2.085001 Intercept Conc=0.003959
Sensitivity=526.583631 Correlation Coeff=0.999952

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	2.09	0.00
S1 (S)	5.000	4.520	0.480	2382.30	9.60
S2 (S)	125.000	121.847	3.153	64164.61	2.52
S3 (S)	250.000	244.020	5.980	128498.83	2.39
S4 (S)	500.000	493.989	6.011	260128.48	1.20
S5 (S)	1000.000	1004.897	4.897	529164.54	0.49

96Mo FQ Block 1



Intercept CPS=6.252348 Intercept Conc=0.009346
Sensitivity=668.970390 Correlation Coeff=0.999955

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	6.25	0.00
S1 (S)	5.000	3.819	1.181	2560.75	23.63
S2 (S)	125.000	119.188	5.812	79739.44	4.65
S3 (S)	250.000	244.624	5.376	163652.46	2.15
S4 (S)	500.000	494.508	5.492	330817.39	1.10
S5 (S)	1000.000	1004.822	4.822	672202.73	0.48

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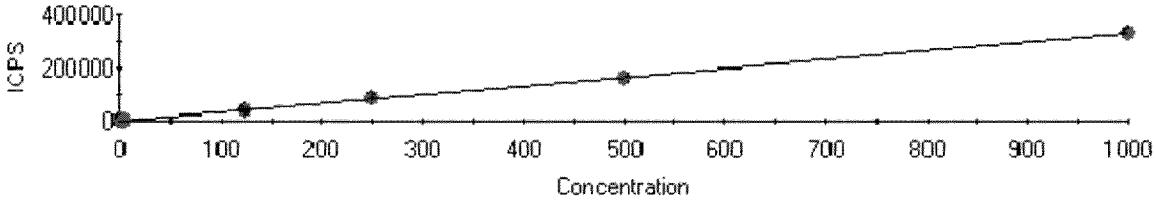
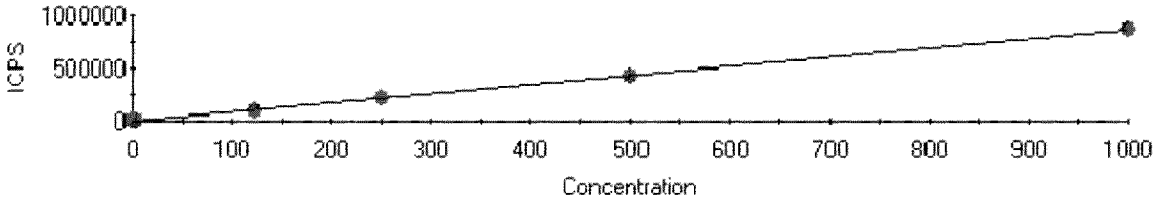
97Mo FQ Block 1



Intercept CPS=9.379057 Intercept Conc=0.028198
Sensitivity=332.617586 Correlation Coeff=0.999934

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	9.38	0.00
S1 (S)	5.000	4.591	0.409	1536.39	8.18
S2 (S)	125.000	120.319	4.681	40029.52	3.74
S3 (S)	250.000	244.854	5.146	81452.06	2.06
S4 (S)	500.000	492.177	7.823	163716.07	1.56
S5 (S)	1000.000	1005.785	5.785	334551.26	0.58

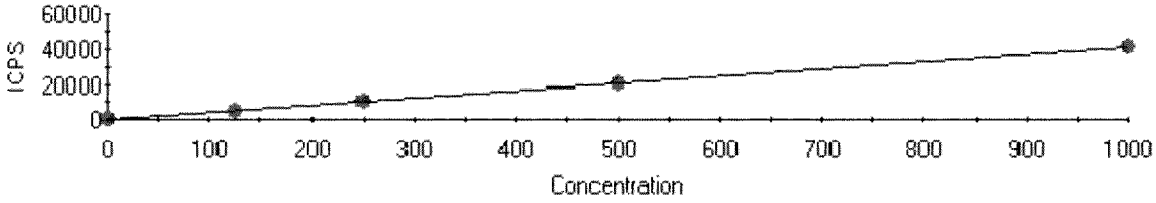
98Mo FQ Block 1



Intercept CPS=2.607042 Intercept Conc=0.003008
Sensitivity=866.782227 Correlation Coeff=0.999926

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	2.61	0.00
S1 (S)	5.000	4.679	0.321	4057.99	6.43
S2 (S)	125.000	120.533	4.467	104478.68	3.57
S3 (S)	250.000	244.221	5.779	211688.68	2.31
S4 (S)	500.000	491.734	8.266	426229.03	1.65
S5 (S)	1000.000	1006.138	6.138	872104.91	0.61

106Cd FQ Block 1



Intercept CPS=50.795516 Intercept Conc=1.226078
Sensitivity=41.429286 Correlation Coeff=0.999940

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	50.80	0.00
S1 (S)	1.000	0.981	0.019	91.46	1.85
S2 (S)	125.000	117.261	7.739	4908.85	6.19
S3 (S)	250.000	241.886	8.114	10071.96	3.25
S4 (S)	500.000	497.729	2.271	20671.34	0.45
S5 (S)	1000.000	1004.132	4.132	41651.25	0.41

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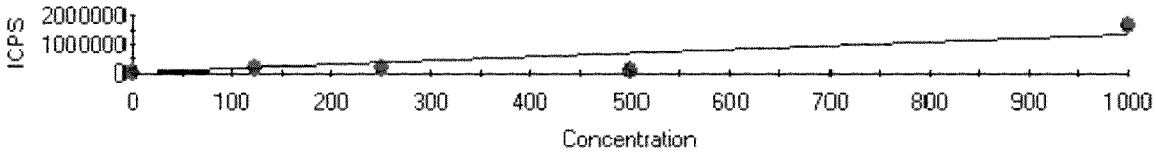
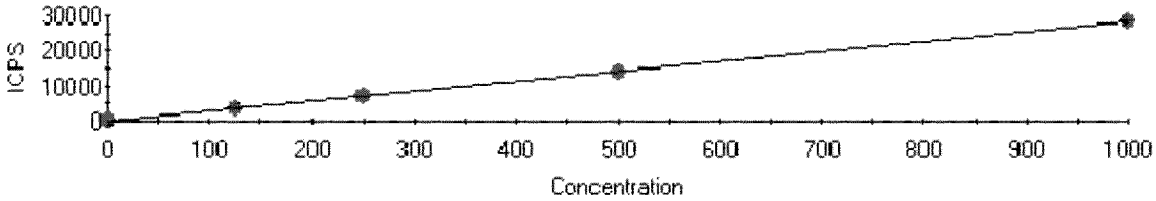
107Ag FQ Block 1



Intercept CPS=13.020358 Intercept Conc=0.009836
Sensitivity=1323.801337 Correlation Coeff=0.895086
Failed : Correlation Check
Results for this analyte will be semi-quant

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	13.02	0.00
S1 (S)	1.000	1.664	0.664	1527.93	66.38
S2 (S)	125.000	171.244	46.244	155934.58	37.00
S3 (S)	250.000	165.905	84.095	151072.81	33.64
S4 (S)	500.000	97.260	402.740	88569.98	80.55
S5 (S)	1000.000	1819.439	819.439	1656652.86	81.94

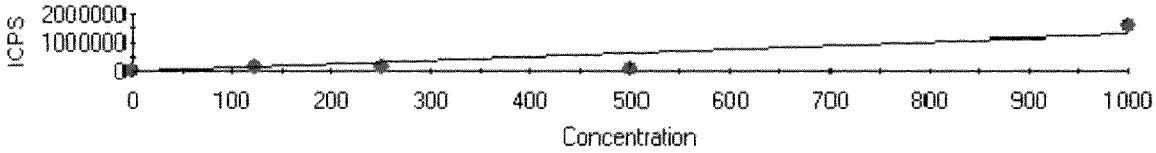
108Cd FQ Block 1



Intercept CPS=5.209875 Intercept Conc=0.186091
Sensitivity=27.996411 Correlation Coeff=0.999981

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	5.21	0.00
S1 (S)	1.000	0.723	0.277	25.45	27.72
S2 (S)	125.000	123.092	1.908	3451.34	1.53
S3 (S)	250.000	245.628	4.372	6881.91	1.75
S4 (S)	500.000	502.997	2.997	14087.32	0.60
S5 (S)	1000.000	999.833	0.167	27996.95	0.02

109Ag FQ Block 1



Intercept CPS=9.376032 Intercept Conc=0.007269
Sensitivity=1289.947320 Correlation Coeff=0.898884
Failed : Correlation Check
Results for this analyte will be semi-quant

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	9.38	0.00
S1 (S)	1.000	1.512	0.512	1451.05	51.25
S2 (S)	125.000	157.985	32.985	150599.54	26.39
S3 (S)	250.000	158.641	91.359	151224.77	36.54
S4 (S)	500.000	104.365	395.635	99489.23	79.13
S5 (S)	1000.000	1685.745	685.745	1606852.96	68.57

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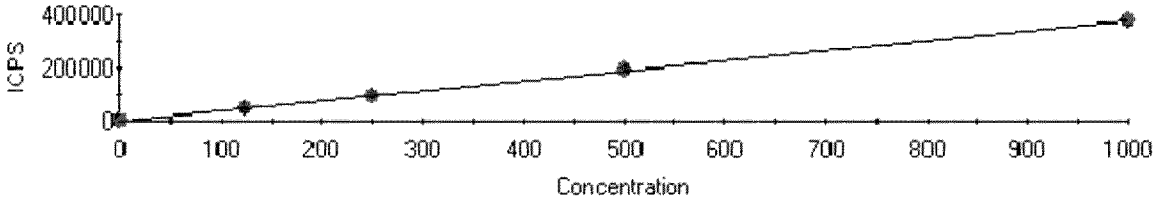
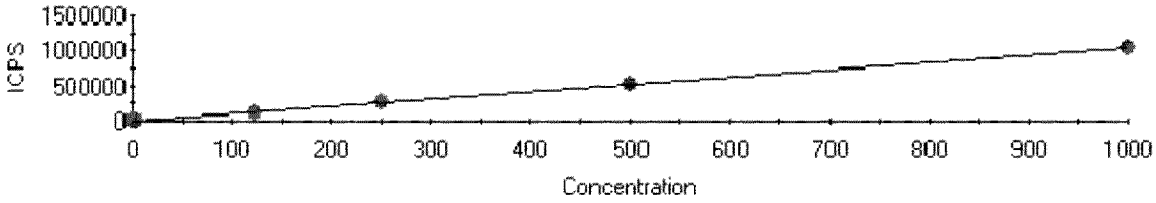
111Cd FQ Block 1



Intercept CPS=70.188235 Intercept Conc=0.185997
Sensitivity=377.361538 Correlation Coeff=0.999998

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	70.19	0.00
S1 (S)	1.000	0.957	0.043	431.23	4.32
S2 (S)	125.000	123.351	1.649	46618.10	1.32
S3 (S)	250.000	248.773	1.227	93947.66	0.49
S4 (S)	500.000	499.801	0.199	188675.75	0.04
S5 (S)	1000.000	1000.612	0.612	377662.86	0.06

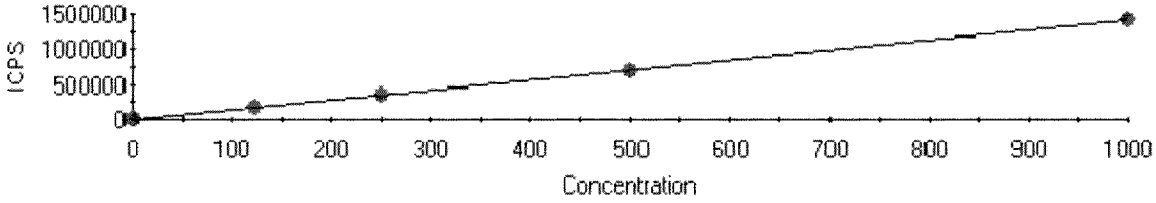
118Sn FQ Block 1



Intercept CPS=141.664216 Intercept Conc=0.136131
Sensitivity=1040.645193 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	141.66	0.00
S1 (S)	5.000	4.628	0.372	4957.50	7.45
S2 (S)	125.000	122.041	2.959	127142.65	2.37
S3 (S)	250.000	247.851	2.149	258066.76	0.86
S4 (S)	500.000	497.839	2.161	518215.26	0.43
S5 (S)	1000.000	1001.990	1.990	1042857.30	0.20

121Sb FQ Block 1



Intercept CPS=11.979984 Intercept Conc=0.008447
Sensitivity=1418.309770 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	11.98	0.00
S1 (S)	2.000	1.935	0.065	2755.73	3.27
S2 (S)	125.000	120.916	4.084	171508.60	3.27
S3 (S)	250.000	246.209	3.791	349212.71	1.52
S4 (S)	500.000	496.473	3.527	704165.12	0.71
S5 (S)	1000.000	1003.222	3.222	1422891.00	0.32

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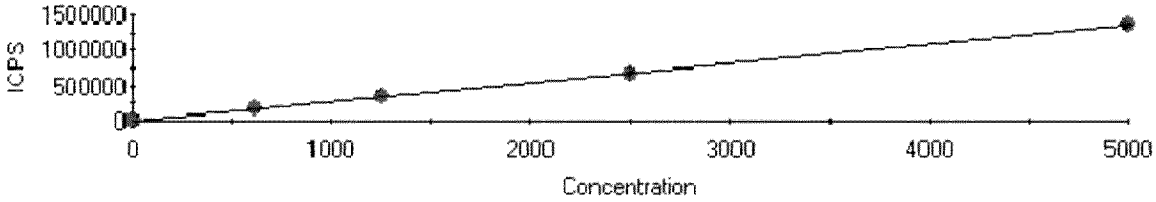
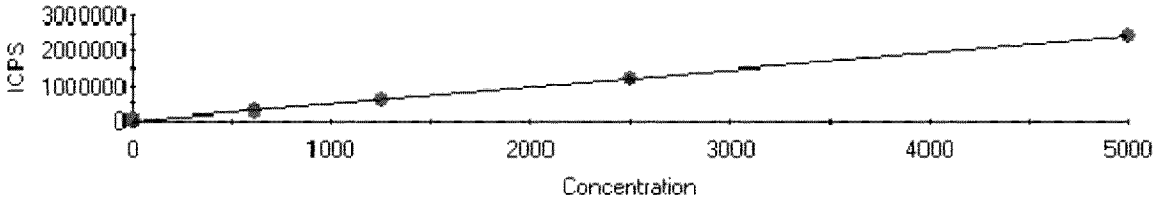
135Ba FQ Block 1



Intercept CPS=9.371425 Intercept Conc=0.034460
Sensitivity=271.950057 Correlation Coeff=0.999981

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	9.37	0.00
S1 (S)	10.000	9.744	0.256	2659.21	2.56
S2 (S)	625.000	616.749	8.251	167734.40	1.32
S3 (S)	1250.000	1232.912	17.088	335299.99	1.37
S4 (S)	2500.000	2480.132	19.868	674481.42	0.79
S5 (S)	5000.000	5015.238	15.238	1363903.55	0.30

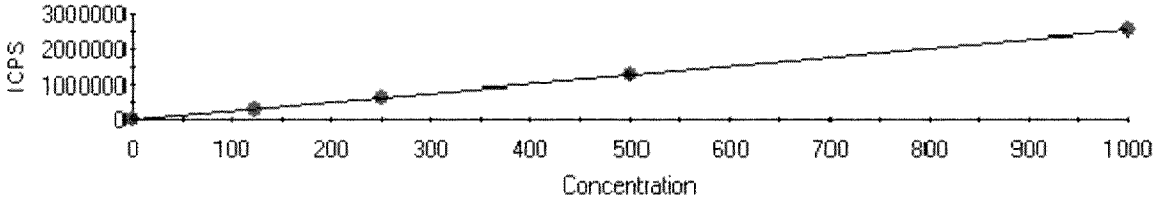
137Ba FQ Block 1



Intercept CPS=12.486463 Intercept Conc=0.025883
Sensitivity=482.417142 Correlation Coeff=0.999997

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	12.49	0.00
S1 (S)	10.000	9.671	0.329	4677.79	3.29
S2 (S)	625.000	619.467	5.533	298854.12	0.89
S3 (S)	1250.000	1239.387	10.613	597914.16	0.85
S4 (S)	2500.000	2495.018	4.982	1203651.82	0.20
S5 (S)	5000.000	5005.837	5.837	2414913.85	0.12

203Tl FQ Block 1



Intercept CPS=124.073850 Intercept Conc=0.048661
Sensitivity=2549.737265 Correlation Coeff=0.999950

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	124.07	0.00
S1 (S)	1.000	0.956	0.044	2562.63	4.36
S2 (S)	125.000	121.499	3.501	309913.95	2.80
S3 (S)	250.000	245.525	4.475	626147.65	1.79
S4 (S)	500.000	493.121	6.879	1257454.08	1.38
S5 (S)	1000.000	1004.996	4.996	2562599.36	0.50

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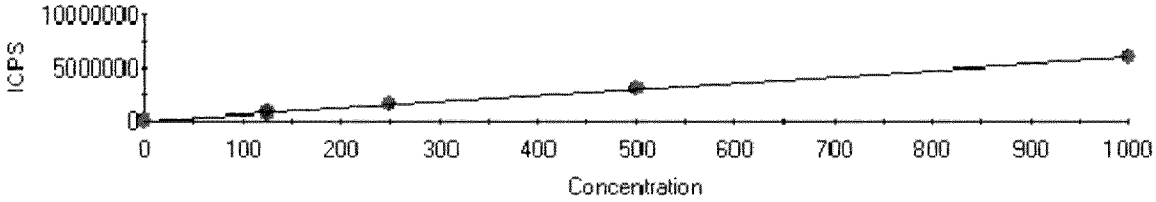
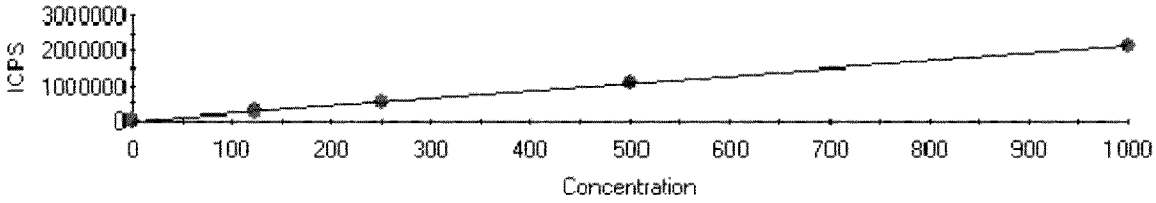
205Tl FQ Block 1



Intercept CPS=305.951557 Intercept Conc=0.050846
Sensitivity=6017.245832 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	305.95	0.00
S1 (S)	1.000	0.967	0.033	6125.95	3.28
S2 (S)	125.000	125.324	0.324	754413.19	0.26
S3 (S)	250.000	252.046	2.046	1516929.77	0.82
S4 (S)	500.000	501.476	1.476	3017810.30	0.30
S5 (S)	1000.000	998.710	1.290	6009789.24	0.13

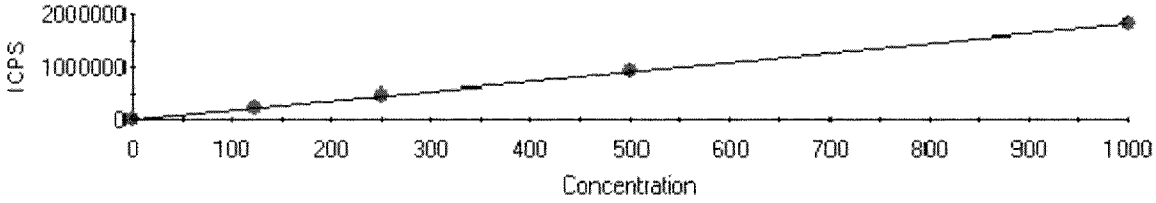
206Pb FQ Block 1



Intercept CPS=535.270523 Intercept Conc=0.250559
Sensitivity=2136.303625 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	535.27	0.00
S1 (S)	1.000	0.884	0.116	2422.93	11.64
S2 (S)	125.000	123.187	1.813	263699.79	1.45
S3 (S)	250.000	246.777	3.223	527725.72	1.29
S4 (S)	500.000	500.255	0.255	1069232.02	0.05
S5 (S)	1000.000	1000.905	0.905	2138772.22	0.09

207Pb FQ Block 1

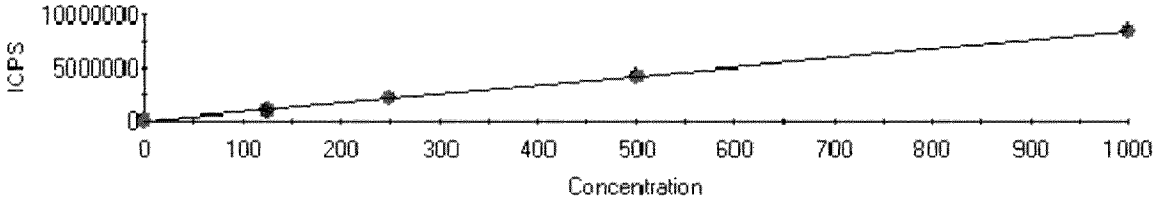


Intercept CPS=419.140912 Intercept Conc=0.232691
Sensitivity=1801.276197 Correlation Coeff=0.999994

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	419.14	0.00
S1 (S)	1.000	0.910	0.090	2059.07	8.96
S2 (S)	125.000	123.339	1.661	222585.93	1.33
S3 (S)	250.000	249.117	0.883	449147.34	0.35
S4 (S)	500.000	502.195	2.195	905010.83	0.44
S5 (S)	1000.000	999.331	0.669	1800490.51	0.07

Reviewed By: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

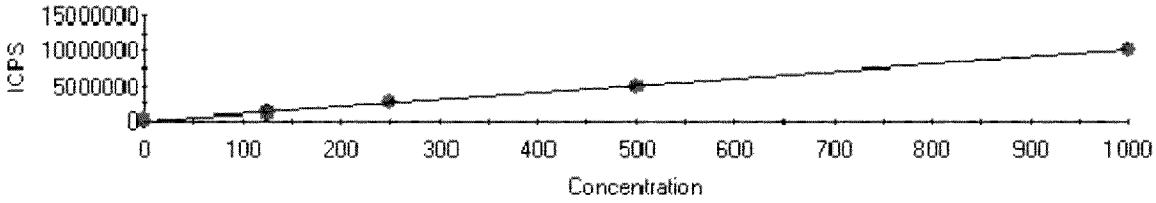
208Pb FQ Block 1



Intercept CPS=2029.227793 Intercept Conc=0.240947
Sensitivity=8421.876836 Correlation Coeff=0.999979

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	2029.23	0.00
S1 (S)	1.000	0.904	0.096	9645.13	9.57
S2 (S)	125.000	124.357	0.643	1049351.71	0.51
S3 (S)	250.000	250.098	0.098	2108320.50	0.04
S4 (S)	500.000	505.014	5.014	4255191.59	1.00
S5 (S)	1000.000	997.549	2.451	8403265.90	0.25

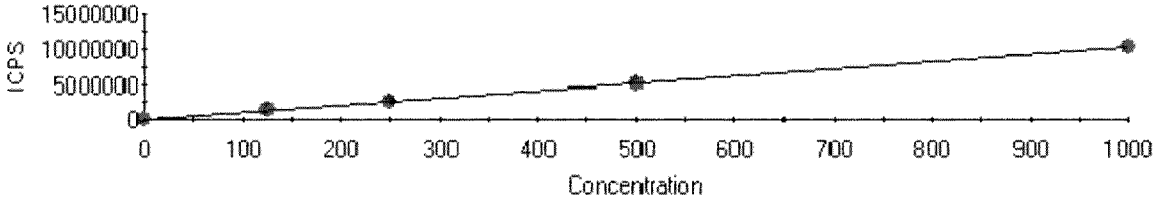
232Th FQ Block 1



Intercept CPS=7.284682 Intercept Conc=0.000722
Sensitivity=10096.557430 Correlation Coeff=0.999991

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	7.28	0.00
S1 (S)	1.000	0.467	0.533	4725.91	53.27
S2 (S)	125.000	123.580	1.420	1247737.51	1.14
S3 (S)	250.000	247.005	2.995	2493911.42	1.20
S4 (S)	500.000	497.727	2.273	5025332.46	0.45
S5 (S)	1000.000	1002.063	2.063	10117398.10	0.21

238U FQ Block 1



Intercept CPS=19.850644 Intercept Conc=0.001903
Sensitivity=10432.588727 Correlation Coeff=0.999983

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	19.85	0.00
S1 (S)	1.000	0.935	0.065	9778.96	6.46
S2 (S)	125.000	124.958	0.042	1303654.54	0.03
S3 (S)	250.000	254.882	4.882	2659097.10	1.95
S4 (S)	500.000	498.359	1.641	5199196.08	0.33
S5 (S)	1000.000	999.605	0.395	10428490.66	0.04

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Dilution Corrected Concentrations

S0 (S0) 07/25/2012 12:19:40 PM

User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:20:49	97%	0.012	-0.225	0.000	0.929	0.024	0.003	-0.150	-0.147
2	12:21:58	101%	-0.002	0.147	0.000	-4.030	-0.093	0.018	0.288	0.081
3	12:23:07	102%	-0.010	0.079	0.000	3.101	0.069	-0.022	-0.137	0.066
X		100%	-0.000	-0.000	0.000	-0.000	0.000	-0.000	0.000	-0.000
?		2%	0.012	0.198	0.000	3.655	0.083	0.020	0.249	0.128
%RSD		2	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:20:49	-0.156	0.631	0.000	0.000	0.389	5.483	-0.725	100%	-0.117
2	12:21:58	0.260	0.908	0.000	0.000	-0.595	0.205	-0.349	100%	0.010
3	12:23:07	-0.104	-1.539	0.000	0.000	0.206	-5.688	1.073	100%	0.106
X		-0.000	-0.000	0.000	0.000	0.000	-0.000	0.000	100%	-0.000
?		0.227	1.340	0.000	0.000	0.524	5.588	0.948	0%	0.112
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0.000

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:20:49	0.350	0.008	0.460	-0.123	0.010	-0.877	-2.647	-0.004	0.009
2	12:21:58	-0.178	-0.021	0.113	-0.349	-0.005	0.415	1.159	-0.003	-0.049
3	12:23:07	-0.172	0.014	-0.573	0.472	-0.006	0.462	1.488	0.007	0.041
X		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?		0.303	0.019	0.526	0.424	0.009	0.760	2.299	0.006	0.046
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:20:49	-0.009	0.060	-0.116	0.288	-0.000	-0.036	0.098	0.000	-0.152
2	12:21:58	-0.007	-0.030	-0.016	-0.276	0.049	0.034	0.041	0.049	-0.610
3	12:23:07	0.015	-0.029	0.132	-0.012	-0.049	0.002	-0.139	-0.049	0.762
X		0.000	-0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
?		0.013	0.052	0.125	0.282	0.049	0.035	0.124	0.049	0.698
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:20:49	-0.004	0.011	-0.002	0.006	-0.003	-0.004	-0.002	-0.014	-0.003
2	12:21:58	0.002	0.003	0.000	0.001	0.004	0.002	-0.002	0.009	0.001
3	12:23:07	0.002	-0.014	0.001	-0.007	-0.001	0.002	0.005	0.005	0.002
X		0.000	0.000	0.000	0.000	-0.000	0.000	0.000	0.000	0.000
?		0.003	0.013	0.002	0.007	0.004	0.003	0.004	0.012	0.003
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:20:49	-0.000	100%	0.369	-0.001	-0.296	-0.130	-0.000	-0.011	-0.009
2	12:21:58	0.000	100%	0.329	0.003	-0.053	0.261	-0.002	0.030	0.017
3	12:23:07	0.000	100%	-0.697	-0.002	0.348	-0.130	0.002	-0.019	-0.008
X		-0.000	100%	-0.000	0.000	0.000	-0.000	-0.000	0.000	0.000
?		0.000	0%	0.604	0.003	0.325	0.226	0.002	0.027	0.015
%RSD		0.000	0	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:20:49	0.003	0.023	0.013	100%	100%	-0.005	-0.001	0.003	0.020
2	12:21:58	-0.004	-0.017	-0.000	100%	100%	-0.002	-0.004	0.007	-0.008
3	12:23:07	0.002	-0.006	-0.013	99%	99%	0.007	0.005	-0.010	-0.012
X		0.000	0.000	0.000	100%	100%	-0.000	0.000	0.000	0.000
?		0.004	0.021	0.013	1%	1%	0.006	0.005	0.009	0.017
%RSD		0.000	0.000	0.000	1	1	0.000	0.000	0.000	0.000

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	12:20:49	0.002	101%	0.000	-0.001
2	12:21:58	-0.002	101%	0.000	0.000
3	12:23:07	-0.000	99%	-0.000	0.001
		0.000	100%	-0.000	0.000

X				
?	0.002	1%	0.000	0.001
%RSD	0.000	1	0.000	0.000

7/26/2012 12:46:20 AM

S1 (S) 07/25/2012 12:27:35 PM

User Pre-dilution: 1.000

Rev 7/26/2012 jaswal
Int 7/26/2012 11:43:57
Inst Id :P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:28:44	99%	0.812	9.289	0.000	490.800	502.600	500.400	504.500	20.410
2	12:29:53	99%	0.749	9.185	0.000	495.600	508.100	503.900	513.000	20.470
3	12:31:02	99%	0.945	9.327	0.000	493.100	516.000	516.600	513.300	20.500
X		99%	0.835	9.267	0.000	493.200	508.900	507.000	510.300	20.460
?		0%	0.100	0.074	0.000	2.426	6.727	8.490	4.996	0.046
%RSD		0	12.010	0.795	0.000	0.492	1.322	1.675	0.979	0.224

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:28:44	8.778	49.730	0.000	0.000	501.300	458.900	473.700	99%	4.536
2	12:29:53	9.880	49.580	0.000	0.000	510.800	469.800	488.600	99%	4.033
3	12:31:02	10.050	47.690	0.000	0.000	507.700	527.100	495.300	100%	4.517
X		9.569	49.000	0.000	0.000	506.600	485.300	485.900	99%	4.362
?		0.690	1.134	0.000	0.000	4.804	36.630	11.050	0%	0.285
%RSD		7.214	2.314	0.000	0.000	0.948	7.549	2.273	0	6.540

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:28:44	5.139	2.075	-4.358	204.900	0.942	214.400	202.800	0.994	1.072
2	12:29:53	4.934	1.952	-4.226	211.900	0.991	215.000	208.000	0.969	1.086
3	12:31:02	4.683	2.069	-4.554	209.400	0.928	213.700	213.800	1.039	1.106
X		4.918	2.032	-4.380	208.700	0.954	214.400	208.200	1.001	1.088
?		0.229	0.070	0.165	3.504	0.033	0.617	5.513	0.036	0.017
%RSD		4.645	3.420	3.769	1.679	3.456	0.288	2.648	3.578	1.597

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:28:44	1.991	1.999	5.033	0.829	4.444	-0.010	4.594	4.441	-0.735
2	12:29:53	2.071	1.867	5.207	1.092	4.788	-0.013	5.622	4.781	-1.251
3	12:31:02	2.096	1.924	5.263	0.529	4.297	0.025	4.853	4.291	1.423
X		2.053	1.930	5.168	0.816	4.510	0.001	5.023	4.504	-0.187
?		0.055	0.066	0.120	0.282	0.252	0.021	0.535	0.251	1.419
%RSD		2.669	3.416	2.327	34.530	5.596	2983.000	10.640	5.582	756.900

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:28:44	0.886	0.907	0.023	0.002	1.551	4.569	3.787	4.470	4.667
2	12:29:53	0.811	0.943	0.020	0.015	1.475	4.467	3.854	4.750	4.724
3	12:31:02	0.862	0.900	0.012	0.024	1.624	4.525	3.815	4.552	4.646
X		0.853	0.917	0.018	0.013	1.550	4.520	3.819	4.591	4.679
?		0.038	0.023	0.005	0.011	0.075	0.051	0.033	0.144	0.040
%RSD		4.483	2.483	29.370	82.570	4.809	1.132	0.877	3.131	0.860

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:28:44	0.004	98%	1.123	1.660	-0.175	0.900	1.490	0.929	4.535
2	12:29:53	0.002	99%	0.175	1.692	0.297	0.721	1.579	0.889	4.679
3	12:31:02	0.000	99%	1.646	1.640	-0.689	0.547	1.468	1.053	4.669
X		0.002	98%	0.982	1.664	-0.189	0.723	1.512	0.957	4.628
?		0.002	1%	0.745	0.026	0.493	0.177	0.059	0.085	0.081
%RSD		99.530	1	75.950	1.590	260.800	24.450	3.887	8.925	1.741

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:28:44	1.900	9.524	9.753	98%	98%	0.968	0.967	0.906	0.912
2	12:29:53	1.941	9.986	9.711	97%	98%	0.923	0.941	0.893	0.915
3	12:31:02	1.962	9.721	9.548	98%	98%	0.978	0.993	0.851	0.904
X		1.935	9.744	9.671	98%	98%	0.956	0.967	0.884	0.910
?		0.032	0.232	0.108	0%	0%	0.029	0.026	0.029	0.006
%RSD		1.631	2.380	1.118	0	0	3.050	2.669	3.247	0.609

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	12:28:44	0.912	97%	0.382	0.935
2	12:29:53	0.913	98%	0.471	0.934
3	12:31:02	0.887	99%	0.549	0.937
X		0.904	98%	0.467	0.935
?		0.015	1%	0.084	0.002

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%RSD	1.619	1	17.910	0.194

7/26/2012 12:46:20 AM

S2 (S) 07/25/2012 12:35:29 PM

User Pre-dilution:1.000

Sev 7/26/2012 jaswal
Int 7/26/2012 11:43:57
Ast
Inst Id :P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:36:38	96%	125.200	127.100	0.000	12240.000	12320.000	12860.000	12850.000	2466.000
2	12:37:47	97%	123.600	123.100	0.000	12160.000	12340.000	12870.000	12890.000	2474.000
3	12:38:56	96%	123.800	118.200	0.000	12230.000	12320.000	12920.000	12900.000	2499.000
X		96%	124.200	122.800	0.000	12210.000	12330.000	12880.000	12880.000	2480.000
?		0%	0.843	4.484	0.000	43.390	6.921	29.370	24.090	17.340
%RSD		0	0.679	3.651	0.000	0.356	0.056	0.228	0.187	0.699

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:36:38	125.800	2464.000	0.000	0.000	6128.000	12180.000	12440.000	99%	121.600
2	12:37:47	120.600	2456.000	0.000	0.000	6148.000	12470.000	12540.000	99%	124.400
3	12:38:56	124.300	2462.000	0.000	0.000	6182.000	12660.000	12420.000	98%	125.400
X		123.600	2460.000	0.000	0.000	6153.000	12440.000	12470.000	99%	123.800
?		2.709	4.002	0.000	0.000	27.280	239.400	63.750	0%	1.995
%RSD		2.193	0.163	0.000	0.000	0.444	1.925	0.512	0	1.612

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:36:38	123.100	124.300	-7.014	6671.000	256.400	6231.000	6416.000	124.800	126.700
2	12:37:47	124.300	126.200	-7.999	6706.000	258.700	6274.000	6478.000	126.600	127.500
3	12:38:56	123.300	122.800	-6.623	6693.000	259.200	6307.000	6491.000	126.500	129.000
X		123.600	124.500	-7.212	6690.000	258.100	6271.000	6462.000	126.000	127.700
?		0.632	1.704	0.709	17.560	1.488	38.280	40.070	0.980	1.161
%RSD		0.511	1.369	9.833	0.262	0.577	0.610	0.620	0.778	0.909

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:36:38	251.800	252.300	256.400	123.000	127.300	-0.348	123.700	127.000	-0.934
2	12:37:47	255.600	255.300	256.200	123.700	125.400	-0.396	123.500	125.100	-0.209
3	12:38:56	255.900	257.000	257.400	122.400	125.200	-0.116	125.400	124.900	-3.359
X		254.400	254.900	256.700	123.000	126.000	-0.287	124.200	125.700	-1.501
?		2.290	2.390	0.621	0.630	1.134	0.149	1.080	1.157	1.650
%RSD		0.900	0.938	0.242	0.512	0.900	52.160	0.869	0.921	109.900

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:36:38	122.300	122.000	78.840	78.170	92.550	121.400	115.400	120.100	118.800
2	12:37:47	121.700	121.600	108.400	109.100	113.000	121.700	119.800	119.100	120.100
3	12:38:56	122.400	121.800	116.700	115.900	118.500	122.500	122.400	121.700	122.700
X		122.100	121.800	101.300	101.100	108.000	121.800	119.200	120.300	120.500
?		0.356	0.183	19.910	20.130	13.700	0.564	3.510	1.306	2.028
%RSD		0.292	0.150	19.650	19.910	12.680	0.463	2.945	1.086	1.682

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:36:38	0.012	99%	112.800	172.200	-1.649	118.900	158.700	121.800	121.400
2	12:37:47	0.014	99%	116.700	171.200	-1.381	123.600	156.900	123.900	121.900
3	12:38:56	0.002	98%	122.300	170.300	-2.870	126.900	158.400	124.300	122.800
X		0.009	99%	117.300	171.200	-1.967	123.100	158.000	123.400	122.000
?		0.006	0%	4.769	0.945	0.794	4.022	0.984	1.332	0.702
%RSD		68.500	0	4.067	0.552	40.350	3.267	0.623	1.080	0.576

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:36:38	120.300	614.900	620.400	100%	100%	121.100	125.000	123.100	123.500
2	12:37:47	121.000	617.600	616.600	100%	100%	122.000	125.900	123.300	123.800
3	12:38:56	121.400	617.800	621.400	101%	101%	121.300	125.100	123.100	122.600
X		120.900	616.700	619.500	100%	100%	121.500	125.300	123.200	123.300
?		0.571	1.649	2.526	1%	1%	0.477	0.484	0.107	0.613
%RSD		0.472	0.267	0.408	1	1	0.392	0.386	0.087	0.497

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	12:36:38	124.100	100%	125.800	124.900
2	12:37:47	124.500	100%	123.300	125.500
3	12:38:56	124.400	101%	121.600	124.500
X		124.400	100%	123.600	125.000
?		0.215	1%	2.113	0.545

LB61768.tee

[illegible]	0.173	1	1.710	0.436

7/26/2012 12:46:20 AM

S3 (S) 07/25/2012 12:43:23 PM

UserPre-dilution:1.000

Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:44:32	93%	253.800	251.800	0.000	25030.000	25320.000	25300.000	25370.000	4978.000
2	12:45:42	93%	254.800	249.300	0.000	25120.000	25240.000	25500.000	25190.000	4949.000
3	12:46:51	96%	243.700	245.200	0.000	24420.000	24380.000	24650.000	24460.000	4845.000
X		94%	250.800	248.800	0.000	24860.000	24980.000	25150.000	25010.000	4924.000
?		2%	6.168	3.341	0.000	379.700	521.500	442.300	484.200	70.070
%RSD		2	2.460	1.343	0.000	1.528	2.088	1.759	1.936	1.423

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:44:32	248.100	4941.000	0.000	0.000	12450.000	25300.000	25200.000	98%	248.100
2	12:45:42	250.000	4980.000	0.000	0.000	12620.000	25410.000	25190.000	96%	250.400
3	12:46:51	242.800	4817.000	0.000	0.000	12300.000	24810.000	24600.000	98%	242.900
X		247.000	4913.000	0.000	0.000	12460.000	25170.000	25000.000	97%	247.100
?		3.727	85.120	0.000	0.000	158.300	324.700	342.500	1%	3.860
%RSD		1.509	1.733	0.000	0.000	1.271	1.290	1.370	1	1.562

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:44:32	249.300	250.800	-9.148	13380.000	517.800	12650.000	13010.000	253.000	257.100
2	12:45:42	251.700	254.300	-10.680	13470.000	517.600	12730.000	13070.000	253.300	255.800
3	12:46:51	242.100	244.400	-9.196	12970.000	506.400	12380.000	12630.000	246.300	245.600
X		247.700	249.800	-9.676	13270.000	513.900	12590.000	12900.000	250.900	252.900
?		5.014	5.057	0.873	262.900	6.537	183.900	242.500	3.947	6.279
%RSD		2.024	2.024	9.019	1.980	1.272	1.461	1.880	1.573	2.483

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:44:32	512.900	512.000	511.600	246.800	250.400	-0.276	250.400	250.000	-2.074
2	12:45:42	510.900	514.100	514.700	251.800	256.100	-0.588	253.100	255.400	0.342
3	12:46:51	501.200	499.100	502.800	244.500	247.200	-0.493	245.300	246.500	1.498
X		508.300	508.400	509.700	247.700	251.200	-0.452	249.600	250.600	-0.078
?		6.255	8.130	6.164	3.734	4.488	0.160	3.967	4.464	1.823
%RSD		1.231	1.599	1.209	1.507	1.786	35.310	1.589	1.781	2335.000

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:44:32	249.000	249.500	249.400	252.500	247.300	245.000	246.600	245.700	247.300
2	12:45:42	250.600	249.500	246.600	247.000	249.900	247.800	247.400	248.000	246.100
3	12:46:51	239.500	242.600	240.200	239.000	239.400	239.300	239.900	240.900	239.300
X		246.300	247.200	245.400	246.200	245.500	244.000	244.600	244.900	244.200
?		5.990	4.009	4.711	6.789	5.467	4.325	4.125	3.642	4.304
%RSD		2.432	1.622	1.920	2.758	2.227	1.772	1.686	1.487	1.762

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:44:32	0.004	97%	244.700	169.200	-5.673	253.900	157.900	250.000	249.000
2	12:45:42	0.006	97%	246.500	168.600	-12.370	243.900	156.700	252.500	250.600
3	12:46:51	0.000	99%	234.400	159.800	-7.766	239.100	161.300	243.800	244.000
X		0.003	98%	241.900	165.900	-8.604	245.600	158.600	248.800	247.900
?		0.003	1%	6.560	5.265	3.427	7.574	2.385	4.454	3.446
%RSD		91.250	1	2.712	3.173	39.830	3.083	1.504	1.790	1.390

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:44:32	246.100	1245.000	1253.000	101%	101%	246.700	254.700	247.400	250.100
2	12:45:42	249.500	1245.000	1248.000	100%	100%	246.900	253.300	248.700	250.700
3	12:46:51	243.000	1209.000	1217.000	101%	102%	242.900	248.200	244.200	246.500
X		246.200	1233.000	1239.000	101%	101%	245.500	252.000	246.800	249.100
?		3.247	20.990	19.930	1%	1%	2.237	3.423	2.299	2.286
%RSD		1.319	1.703	1.608	1	1	0.911	1.358	0.931	0.918

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	12:44:32	251.100	100%	248.700	256.200
2	12:45:42	251.700	100%	248.600	256.900
3	12:46:51	247.500	101%	243.700	251.500
X		250.100	100%	247.000	254.900
?		2.233	1%	2.831	2.914

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%R3D	0.893	1	1.146	1.143

S4 (S) 07/25/2012 12:51:19 PM

User Pre-dilution: 1.000

Rev 7/26/2012 jaswal
Int 7/26/2012 11:43:57
Inst Id : P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:52:27	92%	504.500	494.600	0.000	49720.000	50050.000	49750.000	49900.000	9886.000
2	12:53:36	93%	504.200	499.800	0.000	49860.000	49910.000	49220.000	49560.000	9857.000
3	12:54:45	94%	496.300	508.300	0.000	49850.000	50100.000	49770.000	49250.000	9941.000
X		93%	501.700	500.900	0.000	49810.000	50020.000	49580.000	49570.000	9894.000
?		1%	4.672	6.961	0.000	78.680	97.040	310.200	326.000	42.630
%RSD		1	0.931	1.390	0.000	0.158	0.194	0.626	0.658	0.431

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:52:27	498.800	9859.000	0.000	0.000	24930.000	49620.000	49840.000	98%	494.500
2	12:53:36	493.000	9887.000	0.000	0.000	24950.000	49480.000	49810.000	100%	495.600
3	12:54:45	500.100	9958.000	0.000	0.000	24960.000	49870.000	49630.000	99%	502.200
X		497.300	9902.000	0.000	0.000	24940.000	49660.000	49760.000	99%	497.400
?		3.811	51.290	0.000	0.000	17.910	198.000	113.300	1%	4.157
%RSD		0.766	0.518	0.000	0.000	0.072	0.399	0.228	1	0.836

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:52:27	490.600	494.700	-10.250	24860.000	1016.000	24940.000	25570.000	496.900	505.500
2	12:53:36	492.900	493.700	-16.260	24710.000	1014.000	24730.000	25400.000	496.000	499.300
3	12:54:45	495.300	497.500	-12.270	25110.000	1021.000	24820.000	25670.000	503.800	506.100
X		492.900	495.300	-12.930	24890.000	1017.000	24830.000	25550.000	498.900	503.600
?		2.334	1.972	3.057	199.600	3.702	101.800	137.900	4.298	3.753
%RSD		0.473	0.398	23.650	0.802	0.364	0.410	0.540	0.862	0.745

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:52:27	1002.000	1008.000	1012.000	496.700	492.500	-0.799	502.000	492.300	1.351
2	12:53:36	1001.000	997.000	1007.000	496.800	493.600	-1.002	495.500	493.400	-1.228
3	12:54:45	1007.000	1001.000	1014.000	496.200	502.900	-0.815	501.400	502.300	-0.168
X		1003.000	1002.000	1011.000	496.600	496.300	-0.872	499.700	496.000	-0.015
?		2.936	5.434	3.571	0.315	5.745	0.113	3.607	5.508	1.296
%RSD		0.293	0.542	0.353	0.063	1.157	12.960	0.722	1.111	8598.000

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:52:27	496.900	497.100	501.400	498.900	499.300	496.500	495.400	492.600	492.300
2	12:53:36	491.500	492.300	491.800	493.100	491.500	492.300	492.000	491.600	490.200
3	12:54:45	493.900	497.300	492.000	493.700	491.500	493.200	496.100	492.300	492.700
X		494.100	495.500	495.000	495.200	494.100	494.000	494.500	492.200	491.700
?		2.730	2.841	5.476	3.155	4.469	2.235	2.239	0.554	1.378
%RSD		0.552	0.573	1.106	0.637	0.905	0.453	0.453	0.113	0.280

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:52:27	0.004	97%	501.700	99.450	-23.560	498.900	108.700	503.400	499.300
2	12:53:36	0.012	98%	494.500	97.090	-14.430	507.700	89.120	494.000	495.400
3	12:54:45	0.014	98%	497.000	95.230	-18.940	502.400	115.200	502.000	498.900
X		0.010	98%	497.700	97.260	-18.980	503.000	104.400	499.800	497.800
?		0.005	1%	3.677	2.115	4.566	4.411	13.600	5.042	2.153
%RSD		52.020	1	0.739	2.174	24.060	0.877	13.030	1.009	0.433

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:52:27	495.700	2473.000	2497.000	101%	101%	492.600	508.400	499.000	502.100
2	12:53:36	496.000	2487.000	2490.000	101%	102%	492.900	498.300	498.600	502.000
3	12:54:45	497.700	2480.000	2498.000	102%	103%	493.900	497.700	503.100	502.400
X		496.500	2480.000	2495.000	101%	102%	493.100	501.500	500.300	502.200
?		1.043	6.800	4.108	0%	1%	0.674	5.993	2.478	0.225
%RSD		0.210	0.274	0.165	0	1	0.137	1.195	0.495	0.045

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	12:52:27	504.600	100%	496.000	498.500
2	12:53:36	503.800	100%	497.100	496.400
3	12:54:45	506.600	100%	500.100	500.200
X		505.000	100%	497.700	498.400
?		1.467	0%	2.151	1.897

[illegible]	0.291	0	0.432	0.381

7/26/2012 12:46:20 AM

S5 (S) 07/25/2012 12:59:14 PM

User Pre-dilution:1.000

Inst Id :P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:00:23	93%	997.700	981.700	0.000	100200.000	100200.000	99610.000	99660.000	19940.000
2	13:01:32	94%	1004.000	998.700	0.000	100200.000	99660.000	100200.000	100600.000	20190.000
3	13:02:41	94%	995.300	1020.000	0.000	100100.000	100200.000	100600.000	100200.000	20090.000
X		94%	999.100	1000.000	0.000	100200.000	100000.000	100100.000	100200.000	20070.000
?		0%	4.635	19.260	0.000	102.800	314.300	480.000	478.600	124.000
%RSD		0	0.464	1.926	0.000	0.103	0.314	0.479	0.478	0.618

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:00:23	999.000	20100.000	0.000	0.000	49960.000	99870.000	99960.000	98%	989.700
2	13:01:32	1004.000	20080.000	0.000	0.000	50150.000	100600.000	100300.000	99%	1008.000
3	13:02:41	1004.000	20050.000	0.000	0.000	50040.000	99900.000	100100.000	100%	1008.000
X		1002.000	20080.000	0.000	0.000	50050.000	100100.000	100100.000	99%	1002.000
?		2.805	26.510	0.000	0.000	96.840	434.200	164.500	1%	10.750
%RSD		0.280	0.132	0.000	0.000	0.194	0.434	0.164	1	1.072

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:00:23	1002.000	999.800	-17.510	49780.000	1982.000	49890.000	51510.000	999.100	1001.000
2	13:01:32	1008.000	1006.000	-18.800	50060.000	1999.000	50270.000	48910.000	1005.000	1003.000
3	13:02:41	1002.000	1002.000	-21.290	49570.000	1979.000	50020.000	48380.000	996.800	987.300
X		1004.000	1002.000	-19.200	49810.000	1987.000	50060.000	49600.000	1000.000	997.100
?		3.541	3.117	1.920	247.500	10.820	193.400	1678.000	4.092	8.574
%RSD		0.353	0.311	10.000	0.497	0.545	0.386	3.383	0.409	0.860

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:00:23	1995.000	2000.000	1987.000	1001.000	1011.000	-1.560	997.000	1010.000	1.521
2	13:01:32	2002.000	1996.000	1999.000	1006.000	998.300	-1.830	1004.000	998.700	2.406
3	13:02:41	1990.000	1993.000	1988.000	1001.000	995.300	-2.196	1000.000	996.100	-0.099
X		1996.000	1996.000	1991.000	1003.000	1001.000	-1.862	1000.000	1002.000	1.276
?		5.794	3.315	6.698	2.855	8.100	0.319	3.431	7.592	1.270
%RSD		0.290	0.166	0.336	0.285	0.809	17.150	0.343	0.758	99.540

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:00:23	998.800	999.900	1004.000	1002.000	998.700	994.700	997.100	999.100	999.200
2	13:01:32	1007.000	1002.000	1007.000	1007.000	1013.000	1014.000	1009.000	1011.000	1008.000
3	13:02:41	1007.000	1008.000	1009.000	1010.000	1007.000	1006.000	1009.000	1007.000	1011.000
X		1004.000	1003.000	1007.000	1006.000	1006.000	1005.000	1005.000	1006.000	1006.000
?		4.665	4.090	2.617	3.746	7.141	9.697	6.729	6.021	6.192
%RSD		0.465	0.408	0.260	0.372	0.710	0.965	0.670	0.599	0.615

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:00:23	0.023	96%	1003.000	1815.000	-42.910	1005.000	1682.000	993.400	994.500
2	13:01:32	0.004	97%	1003.000	1824.000	-43.910	1003.000	1689.000	1001.000	1008.000
3	13:02:41	0.031	97%	1006.000	1820.000	-52.450	991.300	1686.000	1007.000	1004.000
X		0.019	97%	1004.000	1819.000	-46.420	999.800	1686.000	1001.000	1002.000
?		0.014	0%	1.824	4.273	5.244	7.465	3.524	6.845	6.864
%RSD		70.990	0	0.182	0.235	11.300	0.747	0.209	0.684	0.685

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:00:23	994.400	5014.000	4978.000	101%	102%	1002.000	993.500	999.900	997.000
2	13:01:32	1008.000	5024.000	5037.000	101%	102%	1008.000	999.400	999.600	998.800
3	13:02:41	1007.000	5008.000	5002.000	101%	102%	1005.000	1003.000	1003.000	1002.000
X		1003.000	5015.000	5006.000	101%	102%	1005.000	998.700	1001.000	999.300
?		7.686	7.843	29.740	0%	0%	2.962	4.901	2.003	2.647
%RSD		0.766	0.156	0.594	0	0	0.295	0.491	0.200	0.265

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	13:00:23	996.300	99%	998.500	998.400
2	13:01:32	999.100	99%	1004.000	1004.000
3	13:02:41	997.300	98%	1004.000	996.700
X		997.500	98%	1002.000	999.600
?		1.390	0%	3.111	3.640

%RSD	0.139	0	0.310	0.364

Reviewed By: jaswal
Dt: 7/26/2012 11:43:57 AM
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User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:08:18	97%	96.240	522.600	0.000	1946.000	1252.000	1241.000	1240.000	515.000
2	13:09:27	95%	97.720	533.700	0.000	1970.000	1263.000	1252.000	1246.000	522.900
3	13:10:36	95%	98.700	534.400	0.000	1967.000	1263.000	1244.000	1250.000	519.600
X		95%	97.560	530.200	0.000	1961.000	1259.000	1246.000	1245.000	519.200
?		1%	1.237	6.605	0.000	13.240	6.585	5.426	5.147	3.932
%RSD		1	1.268	1.246	0.000	0.675	0.523	0.436	0.413	0.757

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:08:18	454.400	-0.838	0.000	0.000	2008.000	1969.000	2035.000	99%	499.000
2	13:09:27	457.200	-3.819	0.000	0.000	2090.000	2013.000	2053.000	99%	505.900
3	13:10:36	456.100	-3.604	0.000	0.000	2095.000	2016.000	2038.000	98%	508.400
X		455.900	-2.754	0.000	0.000	2064.000	1999.000	2042.000	99%	504.500
?		1.419	1.663	0.000	0.000	48.950	26.100	9.871	0%	4.902
%RSD		0.311	60.370	0.000	0.000	2.372	1.305	0.483	0	0.972

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:08:18	98.140	98.360	-13.750	1082.000	103.000	1078.000	1039.000	103.100	105.200
2	13:09:27	98.330	98.990	-13.470	1078.000	103.600	1091.000	1055.000	102.600	104.600
3	13:10:36	99.670	99.290	-14.070	1072.000	103.300	1078.000	1050.000	102.600	104.300
X		98.710	98.880	-13.760	1077.000	103.300	1083.000	1048.000	102.800	104.700
?		0.833	0.476	0.301	4.690	0.323	7.649	8.161	0.295	0.464
%RSD		0.844	0.481	2.190	0.435	0.313	0.707	0.779	0.287	0.443

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:08:18	103.200	102.400	206.100	196.300	198.100	-0.354	201.000	197.500	0.907
2	13:09:27	104.600	101.800	206.400	197.900	201.900	-0.485	200.600	201.200	-0.574
3	13:10:36	103.100	102.600	204.700	197.000	200.300	-0.412	198.900	199.700	0.071
X		103.600	102.300	205.800	197.100	200.100	-0.417	200.200	199.400	0.135
?		0.857	0.431	0.892	0.810	1.864	0.066	1.118	1.850	0.742
%RSD		0.826	0.421	0.434	0.411	0.932	15.800	0.559	0.927	551.900

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:08:18	2.219	2.153	25.200	24.880	182.200	498.300	425.900	500.200	494.800
2	13:09:27	1.996	2.166	11.280	10.960	173.300	501.200	425.100	499.000	499.000
3	13:10:36	1.686	2.112	6.939	7.094	171.400	501.100	429.600	504.100	502.400
X		1.967	2.144	14.470	14.310	175.600	500.200	426.900	501.100	498.700
?		0.268	0.028	9.540	9.356	5.745	1.646	2.372	2.652	3.797
%RSD		13.600	1.309	65.920	65.370	3.271	0.329	0.556	0.529	0.761

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:08:18	0.022	101%	86.520	142.900	0.561	94.420	131.400	100.100	505.800
2	13:09:27	-0.000	100%	75.030	144.200	7.640	94.660	137.700	98.290	511.600
3	13:10:36	0.002	100%	77.840	156.600	6.180	95.070	133.700	99.850	509.000
X		0.008	100%	79.800	147.900	4.794	94.720	134.300	99.430	508.800
?		0.012	0%	5.993	7.568	3.738	0.333	3.209	0.995	2.923
%RSD		151.900	0	7.511	5.117	77.970	0.351	2.390	1.001	0.574

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:08:18	192.000	98.630	99.020	102%	102%	200.700	207.200	197.400	206.300
2	13:09:27	193.000	100.400	99.790	102%	102%	201.000	206.800	195.800	204.300
3	13:10:36	192.900	99.130	100.000	102%	102%	200.500	207.300	195.200	205.100
X		192.700	99.370	99.610	102%	102%	200.700	207.100	196.200	205.200
?		0.534	0.892	0.519	0%	0%	0.248	0.251	1.143	1.002
%RSD		0.277	0.897	0.521	0	0	0.123	0.121	0.583	0.488

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	13:08:18	202.100	103%	1.034	502.000
2	13:09:27	201.700	103%	0.604	501.700
3	13:10:36	201.400	103%	0.427	502.200
X		201.700	103%	0.688	502.000
?		0.356	0%	0.312	0.254

%RSD	0.177	0	45.310	0.051

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:14	94%	0.075	16.270	0.000	-37.750	0.405	0.258	0.792	0.227
2	13:17:24	96%	0.119	13.670	0.000	-38.160	0.386	0.366	0.646	-0.054
3	13:18:33	94%	0.114	10.270	0.000	-28.720	4.174	4.371	4.083	0.804
X		95%	0.103	13.400	0.000	-34.880	1.655	1.665	1.840	0.325
?		1%	0.024	3.010	0.000	5.334	2.182	2.344	1.944	0.438
%RSD		1	23.360	22.460	0.000	15.290	131.900	140.800	105.600	134.500

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:14	0.422	-3.448	0.000	0.000	0.254	-3.645	-3.625	97%	0.033
2	13:17:24	0.528	-0.185	0.000	0.000	-2.556	2.239	-4.266	98%	-0.067
3	13:18:33	0.834	0.849	0.000	0.000	1.935	4.891	2.526	98%	-0.002
X		0.595	-0.928	0.000	0.000	-0.122	1.161	-1.788	98%	-0.012
?		0.214	2.243	0.000	0.000	2.269	4.369	3.750	1%	0.051
%RSD		35.990	241.600	0.000	0.000	1854.000	376.200	209.700	1	420.000

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:14	0.372	-0.081	-14.610	-1.035	-0.204	-2.056	-1.209	0.019	0.241
2	13:17:24	-0.128	-0.084	-13.900	-2.515	-0.155	-2.203	2.684	0.023	0.212
3	13:18:33	0.470	-0.016	-15.040	0.866	-0.072	-0.844	0.759	0.069	0.224
X		0.238	-0.060	-14.520	-0.895	-0.144	-1.701	0.744	0.037	0.226
?		0.321	0.039	0.576	1.695	0.067	0.746	1.946	0.028	0.015
%RSD		134.800	64.170	3.969	189.500	46.530	43.870	261.500	76.160	6.629

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:14	-0.017	-0.017	-0.116	0.108	0.243	-0.093	0.596	0.242	0.140
2	13:17:24	-0.021	-0.057	0.075	0.186	0.341	-0.106	0.031	0.340	-0.238
3	13:18:33	0.041	0.044	0.120	0.317	0.022	-0.111	-0.280	0.022	-0.222
X		0.001	-0.010	0.026	0.204	0.202	-0.104	0.116	0.202	-0.107
?		0.034	0.051	0.126	0.106	0.163	0.009	0.444	0.163	0.214
%RSD		3544.000	506.400	475.000	51.770	80.810	8.957	383.000	80.700	200.100

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:14	-0.065	0.003	-0.003	0.010	0.241	0.820	0.705	0.616	0.804
2	13:17:24	-0.096	0.005	0.013	0.023	0.172	0.586	0.481	0.561	0.560
3	13:18:33	0.015	0.049	0.012	0.028	0.182	0.590	0.453	0.600	0.595
X		-0.048	0.019	0.007	0.021	0.198	0.665	0.546	0.592	0.653
?		0.057	0.026	0.009	0.009	0.037	0.134	0.138	0.028	0.132
%RSD		118.600	135.500	126.700	44.210	18.840	20.120	25.250	4.766	20.230

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:14	0.008	99%	0.495	0.751	-0.308	-0.018	0.614	-0.001	1.358
2	13:17:24	-0.002	100%	0.285	0.687	-0.213	-0.074	0.663	-0.024	1.077
3	13:18:33	0.006	100%	0.423	0.691	-0.234	0.038	0.653	0.045	0.958
X		0.004	100%	0.401	0.710	-0.252	-0.018	0.643	0.007	1.131
?		0.005	0%	0.107	0.036	0.050	0.056	0.026	0.035	0.205
%RSD		131.900	0	26.660	5.077	19.870	308.600	3.985	512.400	18.160

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:16:14	1.488	0.069	0.055	101%	101%	0.240	0.232	-0.137	-0.127
2	13:17:24	1.238	0.040	0.026	101%	101%	0.226	0.218	-0.148	-0.137
3	13:18:33	1.001	0.229	0.207	101%	101%	0.315	0.317	-0.049	-0.045
X		1.242	0.113	0.096	101%	101%	0.260	0.256	-0.111	-0.103
?		0.244	0.102	0.097	0%	0%	0.048	0.054	0.054	0.050
%RSD		19.610	90.670	101.600	0	0	18.300	21.000	48.600	49.000

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	13:16:14	-0.135	103%	0.074	0.071
2	13:17:24	-0.140	103%	0.072	0.056
3	13:18:33	-0.054	102%	0.088	0.161
X		-0.110	103%	0.078	0.096
?		0.048	1%	0.009	0.057

%R3D	44.000	1	11.130	58.950

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User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:24:11	87%	0.388	6.703	0.000	100500.000	98410.000	98780.000	97860.000	94900.000
2	13:25:20	96%	0.366	9.835	0.000	99570.000	99310.000	98870.000	98390.000	96260.000
3	13:26:29	90%	0.377	8.150	0.000	100600.000	98920.000	98710.000	97950.000	95130.000
X		91%	0.377	8.230	0.000	100200.000	98880.000	98790.000	98070.000	95430.000
?		5%	0.011	1.567	0.000	577.900	448.100	78.950	284.200	727.200
%RSD		5	2.837	19.040	0.000	0.577	0.453	0.080	0.290	0.762

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:24:11	24.290	91580.000	0.000	0.000	99350.000	100200.000	100700.000	94%	1977.000
2	13:25:20	25.250	94380.000	0.000	0.000	99330.000	100100.000	100700.000	102%	2012.000
3	13:26:29	23.740	91610.000	0.000	0.000	99660.000	100700.000	100200.000	97%	1985.000
X		24.430	92520.000	0.000	0.000	99450.000	100300.000	100500.000	98%	1991.000
?		0.763	1607.000	0.000	0.000	184.500	283.800	306.000	4%	18.210
%RSD		3.124	1.737	0.000	0.000	0.186	0.283	0.304	4	0.915

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:24:11	0.213	19.750	-7.099	97210.000	7.729	97760.000	95000.000	1.006	5.524
2	13:25:20	0.185	20.250	-7.456	97580.000	7.936	98140.000	95570.000	1.072	5.574
3	13:26:29	-0.286	19.200	-4.398	97240.000	7.561	98140.000	95170.000	1.072	5.503
X		0.037	19.730	-6.318	97340.000	7.742	98010.000	95250.000	1.050	5.534
?		0.280	0.528	1.672	207.000	0.188	215.300	290.000	0.038	0.036
%RSD		753.500	2.676	26.460	0.213	2.427	0.220	0.304	3.640	0.654

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:24:11	8.079	8.543	12.620	0.182	-0.148	0.028	0.480	-0.148	2.491
2	13:25:20	8.294	8.693	12.300	0.435	-0.578	-0.024	0.785	-0.579	1.476
3	13:26:29	8.143	8.463	11.930	0.230	-0.036	0.012	1.166	-0.037	1.236
X		8.172	8.566	12.280	0.282	-0.254	0.005	0.810	-0.255	1.734
?		0.110	0.117	0.343	0.134	0.286	0.027	0.344	0.287	0.666
%RSD		1.348	1.362	2.792	47.630	112.500	519.000	42.450	112.400	38.420

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:24:11	21.980	23.330	1.288	1.385	642.800	1941.000	1649.000	1934.000	1922.000
2	13:25:20	22.360	23.130	1.097	1.249	640.700	1930.000	1637.000	1940.000	1922.000
3	13:26:29	22.690	23.480	0.995	1.066	644.000	1924.000	1641.000	1943.000	1940.000
X		22.340	23.320	1.126	1.233	642.500	1932.000	1642.000	1939.000	1928.000
?		0.356	0.178	0.149	0.160	1.667	8.626	5.770	4.416	10.430
%RSD		1.592	0.764	13.190	12.940	0.259	0.447	0.351	0.228	0.541

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:24:11	0.000	93%	-0.125	1.119	11.890	21.130	1.067	0.846	0.764
2	13:25:20	0.026	99%	0.449	1.040	12.550	22.940	1.000	0.655	0.605
3	13:26:29	0.015	95%	-0.696	1.060	11.910	20.560	0.931	0.599	0.601
X		0.014	96%	-0.124	1.073	12.120	21.540	1.000	0.700	0.657
?		0.013	3%	0.573	0.041	0.375	1.241	0.068	0.130	0.093
%RSD		95.040	3	462.500	3.793	3.097	5.758	6.812	18.560	14.170

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:24:11	1.721	1.635	1.499	101%	101%	0.787	0.818	4.424	4.090
2	13:25:20	1.584	1.468	1.453	105%	106%	0.536	0.544	4.331	4.110
3	13:26:29	1.611	1.411	1.495	103%	104%	0.428	0.426	4.372	4.182
X		1.639	1.504	1.482	103%	104%	0.584	0.596	4.376	4.127
?		0.072	0.116	0.025	2%	2%	0.184	0.201	0.047	0.048
%RSD		4.415	7.732	1.699	2	2	31.580	33.750	1.067	1.172

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	13:24:11	4.230	98%	0.138	0.049
2	13:25:20	4.199	102%	0.078	0.033
3	13:26:29	4.180	100%	0.065	0.024
X		4.203	100%	0.094	0.036
?		0.025	2%	0.039	0.013

[illegible]	0.595	2	41.530	35.880

Reviewed by: jaswal
On 7/26/2012 11:43:57 AM
Inst Id :P6

ICSAB64 07/25/2012 11:30:59 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:32:08	90%	20.620	7.029	0.000	98640.000	96750.000	95830.000	95060.000	92470.000
2	13:33:17	90%	21.010	5.690	0.000	101100.000	99320.000	98980.000	97540.000	94600.000
3	13:34:26	90%	21.050	5.373	0.000	101100.000	98540.000	97390.000	96150.000	94010.000
X		90%	20.890	6.031	0.000	100300.000	98200.000	97400.000	96250.000	93690.000
?		0%	0.240	0.879	0.000	1435.000	1318.000	1575.000	1239.000	1103.000
%RSD		0	1.147	14.570	0.000	1.430	1.342	1.617	1.287	1.177

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:32:08	26.660	90040.000	0.000	0.000	97230.000	98320.000	98240.000	98%	1944.000
2	13:33:17	27.600	91840.000	0.000	0.000	99150.000	99910.000	99290.000	98%	1981.000
3	13:34:26	27.740	91380.000	0.000	0.000	98450.000	98480.000	99370.000	98%	1963.000
X		27.330	91090.000	0.000	0.000	98280.000	98900.000	98960.000	98%	1963.000
?		0.589	931.900	0.000	0.000	968.900	873.800	631.300	0%	18.760
%RSD		2.154	1.023	0.000	0.000	0.986	0.884	0.638	0	0.956

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:32:08	19.680	38.880	-7.416	94960.000	27.650	95520.000	93600.000	20.620	24.590
2	13:33:17	20.610	39.390	-7.021	96790.000	27.810	96980.000	94690.000	20.750	25.420
3	13:34:26	19.340	38.900	-4.979	95880.000	27.530	95580.000	93510.000	20.730	25.060
X		19.870	39.060	-6.472	95880.000	27.660	96030.000	93940.000	20.700	25.020
?		0.657	0.292	1.308	913.200	0.138	829.100	657.300	0.070	0.414
%RSD		3.304	0.747	20.200	0.953	0.499	0.863	0.700	0.337	1.655

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:32:08	27.280	27.870	31.830	19.750	19.240	0.008	20.210	19.220	3.153
2	13:33:17	27.380	27.660	32.220	19.560	18.310	-0.008	20.710	18.290	5.163
3	13:34:26	27.490	28.130	32.040	18.970	19.250	0.079	20.690	19.240	-0.034
X		27.380	27.890	32.030	19.430	18.930	0.026	20.530	18.920	2.761
?		0.103	0.235	0.194	0.410	0.538	0.046	0.279	0.543	2.620
%RSD		0.374	0.842	0.607	2.111	2.843	177.800	1.357	2.872	94.920

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:32:08	22.910	23.410	0.923	0.864	634.400	1911.000	1622.000	1903.000	1909.000
2	13:33:17	23.260	23.380	0.836	0.844	636.600	1922.000	1631.000	1923.000	1917.000
3	13:34:26	22.500	23.210	0.705	0.799	640.200	1920.000	1627.000	1921.000	1926.000
X		22.890	23.330	0.821	0.836	637.100	1917.000	1627.000	1916.000	1917.000
?		0.380	0.108	0.110	0.034	2.956	6.056	4.486	11.120	8.684
%RSD		1.660	0.463	13.360	4.011	0.464	0.316	0.276	0.581	0.453

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:32:08	0.027	96%	16.080	34.070	11.370	37.660	31.460	19.690	0.422
2	13:33:17	0.012	97%	15.560	34.100	11.510	37.360	31.850	20.650	0.366
3	13:34:26	0.019	97%	17.750	34.040	10.310	37.560	31.300	20.660	0.412
X		0.019	97%	16.470	34.070	11.060	37.530	31.540	20.340	0.400
?		0.007	1%	1.143	0.030	0.657	0.152	0.281	0.555	0.030
%RSD		38.240	1	6.941	0.088	5.938	0.405	0.890	2.731	7.416

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:32:08	21.270	21.020	20.940	103%	104%	20.440	20.690	24.010	23.910
2	13:33:17	21.550	21.840	21.770	105%	105%	20.270	20.940	24.050	23.870
3	13:34:26	21.380	20.740	20.810	104%	105%	20.260	20.700	24.200	24.220
X		21.400	21.200	21.170	104%	105%	20.320	20.780	24.080	24.000
?		0.142	0.572	0.518	1%	1%	0.105	0.141	0.101	0.190
%RSD		0.662	2.699	2.447	1	1	0.515	0.678	0.419	0.793

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	13:32:08	23.890	101%	0.060	0.024
2	13:33:17	24.070	102%	0.042	0.019
3	13:34:26	24.130	102%	0.038	0.021
X		24.030	101%	0.047	0.021
?		0.122	1%	0.011	0.002

%R3D	0.510	1	24.520	11.560

Reviewed by: jaswal
On 7/26/2012 11:43:57
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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:40:05	93%	0.072	3.050	0.000	10010.000	9954.000	10280.000	10290.000	9462.000
2	13:41:14	95%	0.061	4.470	0.000	9963.000	9958.000	10130.000	10110.000	9470.000
3	13:42:23	95%	0.049	3.068	0.000	10030.000	9999.000	10310.000	10250.000	9538.000
X		94%	0.061	3.529	0.000	10000.000	9971.000	10240.000	10220.000	9490.000
?		1%	0.012	0.815	0.000	36.520	24.970	97.080	93.050	42.200
%RSD		1	19.180	23.090	0.000	0.365	0.250	0.948	0.911	0.445

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:40:05	2.941	9502.000	0.000	0.000	10120.000	10500.000	10060.000	99%	202.700
2	13:41:14	3.673	9621.000	0.000	0.000	9982.000	10060.000	10060.000	101%	199.700
3	13:42:23	4.114	9566.000	0.000	0.000	9918.000	9733.000	9989.000	101%	200.500
X		3.576	9563.000	0.000	0.000	10010.000	10100.000	10040.000	100%	200.900
?		0.592	59.540	0.000	0.000	103.800	383.600	41.830	1%	1.540
%RSD		16.560	0.623	0.000	0.000	1.037	3.799	0.417	1	0.766

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:40:05	-0.088	2.003	-12.500	10610.000	0.618	9915.000	10200.000	0.103	0.715
2	13:41:14	-0.010	1.959	-13.270	10600.000	0.606	9960.000	10160.000	0.114	0.632
3	13:42:23	0.085	1.896	-13.540	10640.000	0.539	9999.000	10210.000	0.107	0.796
X		-0.004	1.953	-13.100	10610.000	0.588	9958.000	10190.000	0.108	0.714
?		0.086	0.054	0.543	21.020	0.042	42.230	28.100	0.005	0.082
%RSD		2097.000	2.751	4.145	0.198	7.211	0.424	0.276	4.850	11.510

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:40:05	0.769	0.880	1.347	0.284	0.510	-0.121	1.466	0.508	-1.382
2	13:41:14	0.765	0.756	1.654	0.278	0.507	-0.125	1.060	0.506	-1.610
3	13:42:23	0.880	0.985	1.603	0.031	0.410	-0.081	0.920	0.409	-0.317
X		0.805	0.874	1.535	0.198	0.476	-0.109	1.149	0.474	-1.103
?		0.065	0.115	0.164	0.144	0.057	0.025	0.284	0.057	0.691
%RSD		8.131	13.110	10.710	72.890	11.930	22.440	24.690	11.920	62.600

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:40:05	2.459	2.250	0.049	0.054	63.210	190.100	162.100	188.600	187.400
2	13:41:14	2.352	2.337	0.059	0.079	62.840	189.900	161.800	190.000	189.900
3	13:42:23	2.145	2.400	0.057	0.053	64.030	190.700	160.900	188.200	190.200
X		2.319	2.329	0.055	0.062	63.360	190.300	161.600	188.900	189.200
?		0.160	0.076	0.005	0.015	0.609	0.434	0.637	0.971	1.578
%RSD		6.881	3.245	9.598	24.090	0.961	0.228	0.394	0.514	0.834

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:40:05	0.004	101%	0.429	0.247	0.624	1.578	0.236	0.052	0.155
2	13:41:14	0.008	102%	0.900	0.262	0.456	1.785	0.207	0.092	0.162
3	13:42:23	0.002	102%	0.108	0.257	1.202	2.266	0.206	0.079	0.102
X		0.005	102%	0.479	0.255	0.761	1.876	0.217	0.074	0.139
?		0.003	1%	0.399	0.008	0.392	0.353	0.017	0.020	0.033
%RSD		65.930	1	83.220	3.048	51.490	18.820	7.855	27.440	23.440

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:40:05	0.276	0.173	0.221	103%	104%	0.089	0.084	0.302	0.306
2	13:41:14	0.281	0.121	0.168	104%	105%	0.076	0.071	0.311	0.306
3	13:42:23	0.259	0.176	0.165	105%	106%	0.074	0.066	0.291	0.300
X		0.272	0.157	0.185	104%	105%	0.080	0.074	0.302	0.304
?		0.011	0.031	0.031	1%	1%	0.008	0.009	0.010	0.004
%RSD		4.178	19.680	16.950	1	1	10.330	12.760	3.289	1.159

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	13:40:05	0.294	105%	0.026	0.012
2	13:41:14	0.311	105%	0.026	0.007
3	13:42:23	0.300	106%	0.026	0.010
X		0.302	105%	0.026	0.010
?		0.008	1%	0.000	0.003

%R3D	2.809	1	0.379	30.220

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:48:03	91%	1.965	3.537	0.000	10010.000	9999.000	10260.000	10240.000	9519.000
2	13:49:12	93%	2.058	3.007	0.000	9957.000	9936.000	10230.000	10240.000	9472.000
3	13:50:21	92%	2.070	2.676	0.000	9990.000	9955.000	10280.000	10220.000	9494.000
X		92%	2.031	3.074	0.000	9986.000	9964.000	10260.000	10230.000	9495.000
?		1%	0.058	0.434	0.000	28.070	31.910	28.540	14.360	23.590
%RSD		1	2.839	14.120	0.000	0.281	0.320	0.278	0.140	0.248

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:48:03	3.302	9534.000	0.000	0.000	10030.000	10140.000	10050.000	98%	194.400
2	13:49:12	2.897	9463.000	0.000	0.000	9826.000	10050.000	9934.000	99%	198.300
3	13:50:21	3.445	9533.000	0.000	0.000	9920.000	10110.000	10020.000	99%	205.000
X		3.215	9510.000	0.000	0.000	9926.000	10100.000	10000.000	98%	199.200
?		0.285	40.600	0.000	0.000	103.400	44.670	61.160	1%	5.375
%RSD		8.850	0.427	0.000	0.000	1.042	0.442	0.611	1	2.698

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:48:03	2.197	3.942	-14.540	10560.000	2.729	9937.000	10190.000	2.171	2.742
2	13:49:12	1.794	3.866	-14.000	10550.000	2.767	9858.000	10120.000	2.111	2.741
3	13:50:21	2.161	3.994	-14.620	10620.000	2.692	10020.000	10210.000	2.062	3.072
X		2.050	3.934	-14.390	10580.000	2.729	9939.000	10170.000	2.115	2.852
?		0.223	0.064	0.338	35.260	0.038	81.100	45.640	0.054	0.191
%RSD		10.880	1.631	2.346	0.333	1.381	0.816	0.449	2.565	6.683

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:48:03	2.772	2.791	3.548	2.101	1.791	-0.119	2.902	1.785	0.092
2	13:49:12	2.946	2.856	3.358	2.192	2.298	-0.144	2.984	2.293	-0.236
3	13:50:21	2.902	2.974	3.738	2.276	2.054	-0.130	2.775	2.048	-0.541
X		2.873	2.874	3.548	2.190	2.048	-0.131	2.887	2.042	-0.228
?		0.090	0.093	0.190	0.088	0.254	0.013	0.105	0.254	0.317
%RSD		3.145	3.227	5.363	4.010	12.390	9.814	3.651	12.450	138.700

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:48:03	2.201	2.315	0.057	0.072	62.880	187.700	158.500	187.200	187.100
2	13:49:12	2.482	2.396	0.059	0.089	62.840	191.100	162.500	188.300	188.200
3	13:50:21	2.414	2.350	0.061	0.037	62.300	189.600	162.200	190.900	188.700
X		2.366	2.353	0.059	0.066	62.680	189.500	161.100	188.800	188.000
?		0.147	0.040	0.002	0.027	0.324	1.748	2.240	1.919	0.848
%RSD		6.197	1.720	3.282	40.740	0.517	0.922	1.390	1.016	0.451

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:48:03	0.004	100%	1.240	3.523	1.392	3.828	3.242	1.990	0.117
2	13:49:12	0.006	99%	0.877	3.382	1.899	4.342	3.202	1.865	0.101
3	13:50:21	0.006	100%	1.645	3.401	1.308	4.112	3.218	2.010	0.076
X		0.005	100%	1.254	3.435	1.533	4.094	3.221	1.955	0.098
?		0.001	0%	0.384	0.076	0.320	0.258	0.020	0.078	0.021
%RSD		21.720	0	30.620	2.227	20.860	6.297	0.628	4.013	21.440

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:48:03	2.313	2.322	2.068	103%	104%	2.034	2.136	2.179	2.296
2	13:49:12	2.215	2.271	2.211	103%	104%	2.058	2.088	2.340	2.285
3	13:50:21	2.240	2.177	2.184	104%	104%	2.029	2.107	2.272	2.369
X		2.256	2.257	2.154	103%	104%	2.040	2.110	2.264	2.317
?		0.051	0.074	0.076	0%	0%	0.016	0.024	0.081	0.046
%RSD		2.253	3.263	3.537	0	0	0.767	1.139	3.566	1.983

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	13:48:03	2.259	104%	0.027	0.002
2	13:49:12	2.284	105%	0.017	0.003
3	13:50:21	2.314	104%	0.024	0.003
X		2.286	104%	0.023	0.003
?		0.028	0%	0.005	0.001

[redacted]	1.210	0	21.330	25.920

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User Pre-dilution:1.000

Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:55:59	91%	505.900	486.300	0.000	49990.000	49980.000	49790.000	49030.000	9762.000
2	13:57:08	96%	500.500	491.100	0.000	49530.000	49680.000	49950.000	50070.000	9926.000
3	13:58:17	102%	499.000	502.400	0.000	48730.000	49230.000	49740.000	49520.000	9884.000
X		97%	501.800	493.200	0.000	49420.000	49630.000	49830.000	49540.000	9857.000
?		6%	3.605	8.237	0.000	638.700	378.300	107.100	517.900	85.360
%RSD		6	0.718	1.670	0.000	1.292	0.762	0.215	1.045	0.866

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:55:59	488.400	9823.000	0.000	0.000	25040.000	50460.000	49940.000	98%	501.900
2	13:57:08	491.100	9947.000	0.000	0.000	24710.000	50050.000	50070.000	102%	502.000
3	13:58:17	489.300	10020.000	0.000	0.000	24730.000	49440.000	49520.000	105%	505.700
X		489.600	9931.000	0.000	0.000	24830.000	49980.000	49840.000	102%	503.200
?		1.357	101.200	0.000	0.000	186.000	511.500	291.400	4%	2.189
%RSD		0.277	1.019	0.000	0.000	0.749	1.023	0.585	4	0.435

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:55:59	494.500	495.200	-18.240	24850.000	1014.000	24740.000	25530.000	498.400	502.200
2	13:57:08	494.100	497.800	-18.570	25020.000	1020.000	24990.000	25870.000	504.400	504.000
3	13:58:17	495.400	499.800	-14.580	25340.000	1005.000	25340.000	25990.000	504.700	511.200
X		494.700	497.600	-17.130	25070.000	1013.000	25030.000	25800.000	502.500	505.800
?		0.658	2.308	2.217	252.000	7.891	298.400	237.600	3.576	4.789
%RSD		0.133	0.464	12.940	1.005	0.779	1.192	0.921	0.712	0.947

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:55:59	1005.000	1011.000	1021.000	501.300	496.500	-1.125	496.600	495.600	1.596
2	13:57:08	1005.000	1005.000	1008.000	497.600	504.000	-1.009	499.500	504.000	1.627
3	13:58:17	1016.000	1016.000	1014.000	499.600	499.300	-0.852	501.000	499.900	-1.556
X		1009.000	1011.000	1014.000	499.500	499.900	-0.995	499.100	499.800	0.555
?		6.267	5.103	6.255	1.841	3.786	0.137	2.219	4.184	1.829
%RSD		0.621	0.505	0.617	0.368	0.757	13.780	0.445	0.837	329.200

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:55:59	495.500	498.600	480.800	478.400	482.300	490.600	492.200	492.000	492.200
2	13:57:08	494.100	495.700	491.700	490.100	497.500	497.100	497.400	499.000	496.300
3	13:58:17	495.400	496.900	496.300	501.300	496.000	498.400	499.000	500.700	496.900
X		495.000	497.100	489.600	489.900	491.900	495.300	496.200	497.200	495.100
?		0.775	1.466	7.932	11.430	8.340	4.155	3.569	4.573	2.561
%RSD		0.157	0.295	1.620	2.332	1.695	0.839	0.719	0.920	0.517

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:55:59	0.004	98%	490.500	109.100	-27.390	480.200	89.430	497.500	494.200
2	13:57:08	0.008	99%	496.000	102.900	-18.310	502.500	89.410	500.700	500.000
3	13:58:17	0.006	101%	499.400	99.850	-18.910	505.100	90.890	498.700	497.700
X		0.006	100%	495.300	104.000	-21.530	495.900	89.910	499.000	497.300
?		0.002	2%	4.519	4.736	5.077	13.700	0.850	1.579	2.913
%RSD		32.480	2	0.912	4.556	23.580	2.762	0.945	0.316	0.586

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:55:59	491.600	2484.000	2501.000	101%	102%	489.400	497.100	494.500	499.000
2	13:57:08	498.200	2505.000	2501.000	102%	103%	491.700	491.900	495.100	498.600
3	13:58:17	494.100	2502.000	2493.000	105%	104%	494.100	501.300	500.100	499.200
X		494.600	2497.000	2498.000	103%	103%	491.700	496.800	496.600	498.900
?		3.317	10.980	4.540	2%	1%	2.361	4.736	3.073	0.300
%RSD		0.671	0.440	0.182	2	1	0.480	0.953	0.619	0.060

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	13:55:59	501.500	100%	495.500	492.500
2	13:57:08	501.900	101%	492.300	490.200
3	13:58:17	503.500	101%	492.800	491.000
X		502.300	101%	493.500	491.200
?		1.059	1%	1.711	1.194

%RSD	0.211	1	0.347	0.243

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:03:54	94%	0.119	9.731	0.000	-31.520	10.580	9.900	10.190	3.305
2	14:05:03	93%	0.051	7.314	0.000	-36.110	7.207	6.900	7.099	2.304
3	14:06:12	97%	0.072	7.727	0.000	-40.230	4.404	4.397	4.743	1.153
X		95%	0.080	8.257	0.000	-35.960	7.396	7.065	7.344	2.254
?		2%	0.035	1.293	0.000	4.356	3.092	2.755	2.732	1.077
%RSD		2	43.300	15.660	0.000	12.110	41.800	38.990	37.200	47.790

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:03:54	0.189	-1.189	0.000	0.000	8.438	11.300	3.076	97%	0.099
2	14:05:03	-0.001	-1.270	0.000	0.000	2.715	6.679	2.381	98%	0.096
3	14:06:12	0.048	-0.148	0.000	0.000	0.597	0.446	2.540	99%	-0.036
X		0.079	-0.869	0.000	0.000	3.917	6.142	2.666	98%	0.053
?		0.099	0.626	0.000	0.000	4.056	5.448	0.364	1%	0.077
%RSD		125.400	72.030	0.000	0.000	103.600	88.700	13.650	1	144.500

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:03:54	0.260	-0.018	-18.060	6.560	-0.074	5.095	7.404	0.081	0.264
2	14:05:03	0.404	-0.077	-18.100	2.102	-0.122	3.445	4.236	0.053	0.242
3	14:06:12	0.078	-0.026	-17.850	1.133	-0.179	1.439	1.134	0.050	0.269
X		0.247	-0.041	-18.000	3.265	-0.125	3.326	4.258	0.062	0.258
?		0.164	0.032	0.132	2.894	0.053	1.831	3.135	0.017	0.015
%RSD		66.210	78.780	0.730	88.640	42.210	55.050	73.620	28.210	5.629

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:03:54	0.129	0.183	0.023	0.216	0.144	-0.124	0.970	0.144	-0.925
2	14:05:03	0.058	0.090	-0.054	0.117	-0.692	-0.122	0.931	-0.690	1.330
3	14:06:12	0.014	0.001	0.017	0.183	0.462	-0.135	0.421	0.461	1.074
X		0.067	0.091	-0.005	0.172	-0.029	-0.127	0.774	-0.028	0.493
?		0.058	0.091	0.043	0.050	0.596	0.007	0.306	0.594	1.234
%RSD		87.320	99.260	934.600	29.320	2082.000	5.482	39.580	2101.000	250.400

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:03:54	0.052	0.086	0.523	0.448	0.650	0.913	0.870	0.924	0.949
2	14:05:03	-0.007	0.039	0.420	0.443	0.501	0.673	0.594	0.659	0.675
3	14:06:12	-0.004	0.033	0.423	0.434	0.435	0.470	0.513	0.488	0.519
X		0.014	0.053	0.455	0.442	0.528	0.685	0.659	0.690	0.715
?		0.033	0.029	0.059	0.007	0.110	0.221	0.187	0.220	0.218
%RSD		242.100	54.680	12.860	1.580	20.880	32.300	28.360	31.840	30.490

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:03:54	0.004	99%	-0.089	1.265	-0.019	-0.130	1.123	0.065	0.908
2	14:05:03	0.010	99%	0.916	1.181	-0.594	-0.074	1.092	0.075	0.764
3	14:06:12	-0.000	100%	-0.068	1.205	0.062	0.036	1.189	0.010	0.566
X		0.005	100%	0.253	1.217	-0.184	-0.056	1.135	0.050	0.746
?		0.005	1%	0.574	0.043	0.358	0.085	0.050	0.035	0.172
%RSD		107.900	1	227.100	3.548	194.800	151.800	4.369	70.560	22.990

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:03:54	1.619	0.407	0.420	101%	101%	0.299	0.267	-0.095	-0.071
2	14:05:03	1.181	0.242	0.295	100%	101%	0.215	0.209	-0.136	-0.104
3	14:06:12	0.933	0.234	0.196	101%	101%	0.167	0.159	-0.147	-0.138
X		1.244	0.294	0.304	101%	101%	0.227	0.212	-0.126	-0.105
?		0.347	0.098	0.112	0%	0%	0.067	0.054	0.027	0.033
%RSD		27.900	33.260	36.940	0	0	29.520	25.740	21.570	32.040

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	14:03:54	-0.095	102%	0.501	0.112
2	14:05:03	-0.126	102%	0.338	0.073
3	14:06:12	-0.139	102%	0.246	0.042
X		-0.120	102%	0.361	0.075
?		0.023	0%	0.129	0.035

%R3D	18.860	0	35.700	46.680

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:49	92%	0.030	4.976	0.000	-42.950	0.404	0.280	0.681	-0.132
2	14:12:58	91%	0.040	4.405	0.000	-41.490	0.120	-0.066	0.065	-0.212
3	14:14:07	95%	0.002	5.024	0.000	-44.510	0.582	0.644	0.870	-0.068
X		93%	0.024	4.802	0.000	-42.980	0.369	0.286	0.539	-0.137
?		2%	0.020	0.344	0.000	1.512	0.233	0.355	0.421	0.072
%RSD		2	83.650	7.163	0.000	3.519	63.140	124.100	78.150	52.510

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:49	0.228	-2.631	0.000	0.000	3.322	4.565	-1.272	95%	-0.014
2	14:12:58	0.330	-2.755	0.000	0.000	3.331	2.781	-4.506	95%	-0.114
3	14:14:07	0.291	-3.866	0.000	0.000	3.087	-0.913	-3.771	96%	-0.048
X		0.283	-3.084	0.000	0.000	3.246	2.144	-3.183	96%	-0.058
?		0.052	0.680	0.000	0.000	0.139	2.793	1.695	0%	0.051
%RSD		18.300	22.070	0.000	0.000	4.267	130.300	53.260	0	87.150

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:49	0.120	-0.082	-18.280	-1.088	-0.276	-0.435	-0.919	0.011	0.141
2	14:12:58	-0.086	-0.067	-18.020	0.115	-0.252	-0.729	-4.545	0.009	0.171
3	14:14:07	0.392	-0.100	-18.630	0.555	-0.254	-0.031	-5.250	0.005	0.225
X		0.142	-0.083	-18.310	-0.139	-0.261	-0.399	-3.571	0.008	0.179
?		0.240	0.016	0.304	0.850	0.013	0.350	2.324	0.003	0.042
%RSD		168.800	19.800	1.662	610.500	5.107	87.910	65.060	39.190	23.650

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:49	-0.003	-0.055	-0.123	0.101	-0.034	-0.123	0.634	-0.033	-0.922
2	14:12:58	-0.070	-0.067	-0.124	0.043	0.092	-0.118	1.431	0.092	-0.321
3	14:14:07	-0.074	-0.077	-0.014	-0.009	0.070	-0.109	0.678	0.070	-0.320
X		-0.049	-0.066	-0.087	0.045	0.043	-0.117	0.914	0.043	-0.521
?		0.040	0.011	0.063	0.055	0.067	0.007	0.448	0.067	0.347
%RSD		81.130	16.150	72.820	121.500	156.900	6.122	49.030	155.100	66.650

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:49	0.023	0.012	0.352	0.403	0.262	0.201	0.221	0.228	0.214
2	14:12:58	-0.020	0.020	0.315	0.307	0.242	0.194	0.216	0.246	0.187
3	14:14:07	-0.006	0.004	0.323	0.332	0.263	0.202	0.258	0.142	0.158
X		-0.001	0.012	0.330	0.347	0.256	0.199	0.232	0.205	0.186
?		0.022	0.008	0.019	0.049	0.012	0.004	0.023	0.056	0.028
%RSD		2024.000	69.580	5.788	14.230	4.716	2.180	10.000	27.170	14.920

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:49	0.000	98%	1.246	1.080	-0.727	0.042	0.912	0.027	0.277
2	14:12:58	0.010	98%	1.147	1.030	-0.764	-0.129	0.912	0.026	0.202
3	14:14:07	0.004	100%	1.294	0.964	-0.791	-0.019	0.888	0.053	0.186
X		0.005	98%	1.229	1.025	-0.761	-0.035	0.904	0.035	0.221
?		0.005	1%	0.075	0.058	0.032	0.087	0.014	0.015	0.049
%RSD		107.800	1	6.085	5.697	4.194	247.300	1.540	42.510	21.960

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:11:49	0.356	0.029	0.036	100%	100%	0.093	0.090	-0.182	-0.154
2	14:12:58	0.325	-0.005	0.027	100%	101%	0.073	0.085	-0.175	-0.163
3	14:14:07	0.327	0.074	0.051	101%	101%	0.078	0.082	-0.177	-0.164
X		0.336	0.033	0.038	100%	101%	0.081	0.086	-0.178	-0.160
?		0.017	0.040	0.012	1%	1%	0.010	0.004	0.003	0.005
%RSD		5.140	121.700	32.810	1	1	12.330	5.115	1.936	3.283

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	14:11:49	-0.174	101%	0.101	0.009
2	14:12:58	-0.172	101%	0.087	0.007
3	14:14:07	-0.166	103%	0.080	0.009
X		-0.171	102%	0.089	0.008
?		0.004	1%	0.011	0.001

%RSD	2.393	1	12.120	11.510

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User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:44	91%	0.053	3.563	0.000	-44.460	0.546	0.878	0.806	0.246
2	14:20:54	92%	0.021	2.211	0.000	-44.700	0.103	0.265	0.232	0.111
3	14:22:02	91%	0.031	3.289	0.000	-41.520	0.000	-0.034	0.631	0.040
X		91%	0.035	3.021	0.000	-43.560	0.217	0.370	0.556	0.133
?		1%	0.016	0.715	0.000	1.770	0.290	0.465	0.294	0.105
%RSD		1	46.930	23.660	0.000	4.063	134.000	125.800	52.900	78.810

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:44	0.260	-4.418	0.000	0.000	2.221	-0.741	-3.566	95%	-0.130
2	14:20:54	0.183	-1.377	0.000	0.000	2.345	-1.634	-4.418	95%	-0.147
3	14:22:02	0.305	-1.406	0.000	0.000	4.743	-12.360	-3.828	94%	-0.096
X		0.249	-2.400	0.000	0.000	3.103	-4.911	-3.937	95%	-0.124
?		0.061	1.747	0.000	0.000	1.422	6.466	0.437	1%	0.026
%RSD		24.640	72.790	0.000	0.000	45.810	131.600	11.090	1	21.060

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:44	0.321	-0.077	-18.920	-1.322	-0.251	-1.721	-2.221	0.004	0.172
2	14:20:54	0.319	-0.101	-18.900	-0.358	-0.201	-1.616	-1.443	0.003	0.173
3	14:22:02	0.126	-0.135	-18.330	-1.147	-0.262	-0.203	-1.981	-0.005	0.170
X		0.255	-0.104	-18.720	-0.942	-0.238	-1.180	-1.882	0.001	0.172
?		0.112	0.029	0.337	0.514	0.033	0.848	0.398	0.005	0.002
%RSD		44.010	28.140	1.799	54.530	13.750	71.880	21.180	545.600	0.967

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:44	-0.064	-0.093	-0.094	0.191	0.067	-0.145	0.369	0.067	-1.698
2	14:20:54	-0.071	-0.082	-0.138	-0.079	-0.010	-0.102	0.521	-0.009	0.663
3	14:22:02	-0.041	-0.026	-0.071	0.040	-0.036	-0.126	1.137	-0.035	0.220
X		-0.059	-0.067	-0.101	0.051	0.007	-0.124	0.676	0.008	-0.272
?		0.015	0.036	0.034	0.135	0.053	0.022	0.407	0.053	1.255
%RSD		26.220	53.500	33.550	267.200	744.000	17.390	60.190	682.400	462.000

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:44	-0.073	0.024	0.289	0.317	0.262	0.139	0.151	0.112	0.132
2	14:20:54	-0.067	0.004	0.289	0.331	0.292	0.103	0.135	0.064	0.095
3	14:22:02	-0.006	0.012	0.310	0.341	0.232	0.112	0.130	0.127	0.099
X		-0.049	0.013	0.296	0.330	0.262	0.118	0.139	0.101	0.109
?		0.037	0.010	0.012	0.012	0.030	0.019	0.011	0.033	0.020
%RSD		76.300	74.820	4.207	3.644	11.320	15.930	7.991	32.570	18.560

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:44	0.002	98%	0.725	0.872	-0.446	-0.015	0.752	-0.002	0.101
2	14:20:54	0.004	97%	0.354	0.889	-0.189	0.043	0.753	0.005	0.103
3	14:22:02	0.000	98%	0.797	0.834	-0.520	-0.072	0.775	0.048	0.061
X		0.002	97%	0.625	0.865	-0.385	-0.015	0.760	0.017	0.088
?		0.002	0%	0.238	0.028	0.174	0.057	0.013	0.027	0.024
%RSD		97.580	0	38.070	3.263	45.220	390.700	1.668	159.700	26.680

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:19:44	0.195	0.000	0.023	100%	100%	0.045	0.056	-0.191	-0.164
2	14:20:54	0.169	0.006	0.036	100%	100%	0.056	0.062	-0.189	-0.163
3	14:22:02	0.162	0.000	0.053	100%	101%	0.056	0.056	-0.182	-0.167
X		0.175	0.002	0.037	100%	100%	0.052	0.058	-0.187	-0.165
?		0.018	0.003	0.015	0%	0%	0.007	0.003	0.005	0.002
%RSD		10.080	146.100	39.450	0	0	12.540	5.754	2.641	0.984

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	14:19:44	-0.178	101%	0.053	0.007
2	14:20:54	-0.176	102%	0.037	0.001
3	14:22:02	-0.172	101%	0.037	0.002
X		-0.176	101%	0.042	0.003
?		0.003	0%	0.009	0.003

[redacted]	1.753	0	21.660	98.650

[redacted]

7/26/2012 12:46:20 AM

Reviewed by: jaswal
On: 7/26/2012 11:43:57
Inst Id :P6

PB64539BL PBW01 07/25/2012 02:26:31 PM

UserPre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:40	91%	-0.014	2.864	0.000	-44.950	0.198	0.497	0.331	0.013
2	14:28:49	90%	0.009	1.778	0.000	-44.700	0.164	0.416	0.437	0.013
3	14:29:58	91%	-0.014	1.758	0.000	-44.040	0.348	0.175	0.489	0.141
X		91%	-0.006	2.133	0.000	-44.560	0.237	0.362	0.419	0.056
?		1%	0.013	0.633	0.000	0.473	0.098	0.167	0.081	0.074
%RSD		1	217.700	29.680	0.000	1.061	41.210	46.160	19.300	132.100

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:40	-0.446	-3.054	0.000	0.000	1.981	-3.270	-4.060	94%	0.007
2	14:28:49	0.343	-2.900	0.000	0.000	1.899	-3.293	-3.133	94%	-0.045
3	14:29:58	-0.587	-1.527	0.000	0.000	2.746	-5.132	-5.479	94%	-0.011
X		-0.230	-2.493	0.000	0.000	2.208	-3.898	-4.224	94%	-0.017
?		0.501	0.841	0.000	0.000	0.467	1.068	1.182	0%	0.026
%RSD		217.600	33.720	0.000	0.000	21.150	27.410	27.970	0	157.900

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:40	0.040	-0.094	-18.740	-2.075	-0.262	-1.930	-4.894	-0.001	0.214
2	14:28:49	-0.098	-0.126	-18.530	0.331	-0.258	-2.004	-3.394	0.001	0.201
3	14:29:58	-0.050	-0.123	-18.560	-1.835	-0.262	-1.043	-1.424	-0.005	0.150
X		-0.036	-0.114	-18.610	-1.193	-0.261	-1.659	-3.238	-0.001	0.188
?		0.070	0.018	0.113	1.325	0.003	0.534	1.740	0.003	0.034
%RSD		196.200	15.730	0.607	111.100	0.974	32.220	53.750	241.700	17.910

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:40	-0.054	-0.084	-0.122	-0.148	-0.163	-0.100	0.221	-0.162	0.236
2	14:28:49	-0.073	-0.131	-0.242	0.123	0.421	-0.131	0.889	0.419	-1.641
3	14:29:58	-0.066	-0.084	-0.127	0.176	0.320	-0.143	0.725	0.319	-2.548
X		-0.064	-0.100	-0.164	0.050	0.192	-0.125	0.612	0.192	-1.318
?		0.010	0.027	0.068	0.174	0.312	0.022	0.348	0.310	1.420
%RSD		14.900	27.070	41.560	344.900	162.200	17.980	56.910	161.500	107.800

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:40	-0.060	0.008	0.264	0.237	0.186	0.073	0.092	0.107	0.055
2	14:28:49	-0.066	0.006	0.302	0.201	0.190	0.051	0.109	0.098	0.062
3	14:29:58	-0.101	0.003	0.276	0.289	0.189	0.079	0.078	0.094	0.044
X		-0.076	0.006	0.280	0.242	0.188	0.068	0.093	0.100	0.053
?		0.022	0.002	0.019	0.044	0.002	0.015	0.015	0.007	0.009
%RSD		29.460	39.010	6.903	18.210	1.102	21.690	16.580	6.959	17.160

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:40	-0.002	97%	0.894	0.646	-0.611	-0.129	0.662	0.036	0.063
2	14:28:49	0.000	97%	-0.684	0.702	0.437	0.043	0.667	-0.089	0.056
3	14:29:58	0.002	96%	0.672	0.696	-0.477	-0.128	0.709	0.002	0.077
X		0.000	97%	0.294	0.681	-0.217	-0.071	0.679	-0.017	0.066
?		0.002	1%	0.854	0.031	0.570	0.099	0.026	0.065	0.011
%RSD		2876.000	1	290.400	4.530	263.000	139.100	3.796	382.400	16.410

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:40	0.124	0.018	0.020	99%	99%	0.037	0.048	-0.187	-0.169
2	14:28:49	0.116	0.030	0.034	99%	99%	0.047	0.037	-0.180	-0.161
3	14:29:58	0.126	0.042	0.011	99%	100%	0.038	0.040	-0.178	-0.160
X		0.122	0.030	0.021	99%	99%	0.041	0.042	-0.182	-0.164
?		0.006	0.012	0.012	0%	0%	0.006	0.006	0.004	0.005
%RSD		4.719	39.530	53.900	0	0	14.160	14.700	2.418	2.980

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	14:27:40	-0.173	101%	0.031	0.002
2	14:28:49	-0.170	101%	0.031	0.002
3	14:29:58	-0.176	100%	0.028	0.002
X		-0.173	101%	0.030	0.002
?		0.003	0%	0.001	0.000

%R3D	1.498	0	4.318	17.270

7/26/2012 12:46:20 AM

Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Inst Id: P6

PB64537BS LCS01 07/25/2012 02:34:28 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:37	90%	2.081	20.200	0.000	990.500	1041.000	1010.000	1009.000	40.540
2	14:36:46	90%	1.800	21.420	0.000	989.100	1037.000	1015.000	1016.000	40.010
3	14:37:54	90%	1.829	22.060	0.000	996.700	1046.000	1024.000	1032.000	40.270
X		90%	1.904	21.230	0.000	992.100	1041.000	1016.000	1019.000	40.270
?		0%	0.154	0.945	0.000	4.015	4.199	7.057	11.850	0.263
%RSD		0	8.105	4.449	0.000	0.405	0.403	0.694	1.163	0.653

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:37	18.100	93.750	0.000	0.000	1028.000	985.600	969.500	93%	9.373
2	14:36:46	19.080	92.260	0.000	0.000	1043.000	967.400	974.000	93%	8.981
3	14:37:54	18.450	93.260	0.000	0.000	1037.000	949.500	989.300	94%	9.227
X		18.540	93.090	0.000	0.000	1036.000	967.500	977.600	94%	9.194
?		0.494	0.758	0.000	0.000	7.173	18.040	10.380	1%	0.198
%RSD		2.661	0.814	0.000	0.000	0.692	1.864	1.062	1	2.155

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:37	10.310	3.814	-20.020	425.800	1.794	420.700	406.000	2.040	2.204
2	14:36:46	9.754	3.723	-19.290	424.400	1.762	424.900	415.200	1.967	2.132
3	14:37:54	10.050	3.789	-19.640	419.500	1.728	421.200	399.400	1.926	2.255
X		10.040	3.775	-19.650	423.300	1.761	422.300	406.900	1.978	2.197
?		0.277	0.047	0.364	3.289	0.033	2.265	7.966	0.057	0.062
%RSD		2.756	1.248	1.853	0.777	1.866	0.536	1.958	2.897	2.799

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:37	3.834	3.887	4.351	2.268	9.877	-0.183	10.620	9.833	-0.134
2	14:36:46	3.967	3.772	4.209	1.514	9.351	-0.075	11.230	9.300	-0.475
3	14:37:54	4.082	3.595	4.333	1.352	10.030	-0.031	10.660	9.982	-0.130
X		3.961	3.751	4.298	1.711	9.753	-0.096	10.840	9.705	-0.246
?		0.124	0.147	0.077	0.489	0.357	0.078	0.344	0.358	0.198
%RSD		3.131	3.920	1.797	28.560	3.656	81.450	3.173	3.691	80.440

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:37	2.067	1.838	1.977	2.003	4.496	9.030	7.955	8.773	9.002
2	14:36:46	1.706	1.832	1.860	1.707	4.387	9.359	8.415	9.083	9.193
3	14:37:54	1.688	1.806	1.668	1.690	4.125	9.146	8.168	9.068	9.128
X		1.820	1.825	1.835	1.800	4.336	9.179	8.179	8.975	9.108
?		0.214	0.017	0.156	0.176	0.191	0.167	0.230	0.175	0.097
%RSD		11.740	0.942	8.515	9.762	4.393	1.820	2.814	1.946	1.064

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:37	0.002	96%	1.934	3.991	-0.266	1.611	3.555	1.819	9.422
2	14:36:46	0.006	97%	2.281	3.891	-0.513	1.542	3.580	1.957	9.423
3	14:37:54	0.010	98%	1.973	4.065	0.140	2.380	3.645	1.844	9.520
X		0.006	97%	2.063	3.982	-0.213	1.844	3.593	1.873	9.455
?		0.004	1%	0.190	0.088	0.330	0.465	0.047	0.074	0.057
%RSD		64.970	1	9.202	2.199	154.600	25.200	1.303	3.929	0.598

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:35:37	3.874	18.800	19.070	98%	99%	1.947	1.960	1.695	1.776
2	14:36:46	3.796	19.560	19.090	99%	99%	1.964	1.960	1.725	1.721
3	14:37:54	3.855	19.570	19.250	99%	100%	1.905	1.989	1.705	1.723
X		3.841	19.310	19.140	99%	99%	1.939	1.970	1.708	1.740
?		0.041	0.440	0.098	0%	1%	0.031	0.017	0.015	0.031
%RSD		1.054	2.278	0.515	0	1	1.580	0.840	0.879	1.792

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	14:35:37	1.754	101%	1.605	1.913
2	14:36:46	1.744	101%	1.743	1.911
3	14:37:54	1.718	101%	1.808	1.892
X		1.739	101%	1.719	1.905
?		0.019	0%	0.103	0.012

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%RSD	1.094	0	6.015	0.612

7/26/2012 12:46:20 AM

Rev 7/26/2012 jaswal
Int 7/26/2012 11:43:57
Inst Id :P6

PB64538BS LCS01 07/25/2012 02:42:23 PM

User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:32	89%	1.976	21.280	0.000	990.900	1046.000	1030.000	1023.000	40.590
2	14:44:41	89%	1.984	19.400	0.000	1004.000	1049.000	1034.000	1018.000	40.020
3	14:45:50	90%	1.801	22.600	0.000	993.700	1049.000	1024.000	1018.000	40.330
X		90%	1.920	21.090	0.000	996.100	1048.000	1029.000	1020.000	40.320
?		1%	0.104	1.610	0.000	6.708	1.473	4.786	2.837	0.283
%RSD		1	5.408	7.631	0.000	0.673	0.141	0.465	0.278	0.702

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:32	19.020	93.190	0.000	0.000	1039.000	1001.000	984.200	93%	8.938
2	14:44:41	19.030	97.190	0.000	0.000	1034.000	982.300	982.500	93%	9.922
3	14:45:50	18.880	90.780	0.000	0.000	1039.000	1009.000	990.500	93%	9.729
X		18.980	93.720	0.000	0.000	1037.000	997.300	985.700	93%	9.530
?		0.084	3.241	0.000	0.000	2.740	13.570	4.255	0%	0.521
%RSD		0.442	3.458	0.000	0.000	0.264	1.360	0.432	0	5.470

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:32	10.210	3.923	-19.700	424.400	1.800	427.400	402.700	1.950	2.412
2	14:44:41	9.724	3.858	-19.400	427.800	1.795	424.100	412.600	1.954	2.334
3	14:45:50	9.782	3.848	-19.480	423.000	1.903	427.000	409.000	2.006	2.255
X		9.906	3.876	-19.530	425.100	1.833	426.200	408.100	1.970	2.334
?		0.266	0.041	0.151	2.482	0.061	1.768	4.998	0.031	0.079
%RSD		2.689	1.052	0.776	0.584	3.315	0.415	1.225	1.583	3.369

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:32	4.044	4.200	4.332	1.635	9.393	-0.080	10.290	9.352	-2.781
2	14:44:41	3.892	4.118	4.222	1.713	9.418	-0.114	10.540	9.381	-2.639
3	14:45:50	3.905	3.969	3.914	2.142	9.438	-0.158	10.970	9.401	-1.191
X		3.947	4.096	4.156	1.830	9.416	-0.117	10.600	9.378	-2.204
?		0.084	0.117	0.217	0.273	0.023	0.039	0.346	0.025	0.880
%RSD		2.135	2.864	5.223	14.940	0.241	33.450	3.259	0.264	39.920

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:32	1.748	1.823	1.463	1.485	3.919	9.213	7.613	9.359	9.285
2	14:44:41	1.780	1.866	1.386	1.400	4.142	9.491	8.101	9.438	9.318
3	14:45:50	2.030	1.859	1.324	1.214	3.974	9.725	8.482	9.192	9.567
X		1.852	1.849	1.391	1.367	4.012	9.476	8.066	9.329	9.390
?		0.155	0.023	0.070	0.139	0.116	0.256	0.436	0.126	0.155
%RSD		8.346	1.240	5.017	10.140	2.900	2.706	5.401	1.347	1.646

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:32	0.000	95%	2.144	3.571	-0.158	2.031	3.329	1.854	9.506
2	14:44:41	0.004	96%	3.307	3.695	-0.470	2.728	3.383	1.845	9.401
3	14:45:50	0.002	95%	1.525	3.666	0.022	1.684	3.366	1.747	9.584
X		0.002	95%	2.325	3.644	-0.202	2.148	3.359	1.816	9.497
?		0.002	0%	0.905	0.065	0.249	0.532	0.027	0.059	0.092
%RSD		95.300	0	38.910	1.784	123.400	24.750	0.816	3.273	0.965

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:32	3.876	19.720	19.200	98%	99%	1.946	2.019	1.783	1.738
2	14:44:41	4.064	19.650	19.150	98%	98%	1.984	2.002	1.662	1.787
3	14:45:50	3.910	19.170	19.480	98%	99%	1.986	2.007	1.741	1.795
X		3.950	19.510	19.280	98%	99%	1.972	2.009	1.729	1.773
?		0.100	0.301	0.181	0%	0%	0.023	0.009	0.061	0.031
%RSD		2.542	1.542	0.939	0	0	1.148	0.433	3.543	1.732

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	14:43:32	1.775	100%	1.683	1.934
2	14:44:41	1.723	101%	1.770	1.904
3	14:45:50	1.767	100%	1.825	1.955
X		1.755	100%	1.759	1.931
?		0.028	1%	0.072	0.026

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%R3D	1.612	1	4.068	1.325

Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

PB64539BS LCS01 07/25/2012 02:50:20 PM
User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:29	87%	1.892	21.350	0.000	1007.000	1057.000	1031.000	1036.000	41.360
2	14:52:38	87%	1.879	23.900	0.000	1025.000	1069.000	1050.000	1047.000	41.270
3	14:53:47	90%	1.923	20.090	0.000	980.900	1033.000	1019.000	1004.000	39.740
X		88%	1.898	21.780	0.000	1004.000	1053.000	1033.000	1029.000	40.790
?		2%	0.023	1.943	0.000	22.240	18.520	15.610	22.260	0.911
%RSD		2	1.188	8.922	0.000	2.214	1.759	1.512	2.163	2.233

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:29	18.250	92.710	0.000	0.000	1046.000	966.500	994.200	92%	10.610
2	14:52:38	19.480	94.570	0.000	0.000	1073.000	935.100	1023.000	91%	9.126
3	14:53:47	18.870	89.580	0.000	0.000	1029.000	916.800	985.800	93%	8.971
X		18.870	92.290	0.000	0.000	1049.000	939.400	1001.000	92%	9.568
?		0.617	2.521	0.000	0.000	22.510	25.140	19.360	1%	0.902
%RSD		3.270	2.731	0.000	0.000	2.145	2.676	1.935	1	9.432

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:29	10.250	3.881	-20.120	424.400	1.720	431.800	409.200	1.994	2.256
2	14:52:38	10.370	4.008	-19.650	434.400	1.862	435.200	415.000	2.043	2.094
3	14:53:47	9.893	3.869	-19.880	412.000	1.672	422.900	409.000	1.934	2.142
X		10.170	3.919	-19.880	423.600	1.752	430.000	411.100	1.990	2.164
?		0.248	0.077	0.233	11.190	0.099	6.313	3.407	0.055	0.084
%RSD		2.441	1.959	1.173	2.642	5.632	1.468	0.829	2.738	3.861

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:29	4.040	4.044	4.401	1.751	11.180	-0.138	10.890	11.130	-1.146
2	14:52:38	4.025	4.095	4.402	2.694	11.760	-0.240	10.360	11.700	-3.328
3	14:53:47	3.943	3.924	4.287	2.060	10.360	-0.153	10.820	10.310	-0.592
X		4.002	4.021	4.363	2.168	11.100	-0.177	10.690	11.050	-1.689
?		0.052	0.088	0.066	0.481	0.704	0.055	0.290	0.698	1.446
%RSD		1.308	2.180	1.507	22.180	6.344	31.010	2.717	6.319	85.640

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:29	1.807	1.818	1.183	1.298	3.903	9.340	8.121	9.462	9.571
2	14:52:38	1.967	1.982	1.173	1.178	3.759	9.261	8.358	9.612	9.736
3	14:53:47	1.781	1.847	1.031	1.034	3.808	9.229	8.124	9.684	9.129
X		1.852	1.882	1.129	1.170	3.824	9.277	8.201	9.586	9.479
?		0.101	0.087	0.085	0.132	0.073	0.057	0.136	0.113	0.314
%RSD		5.440	4.643	7.517	11.320	1.914	0.619	1.654	1.181	3.313

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:29	0.015	95%	2.814	3.421	-0.328	2.449	3.179	2.074	9.665
2	14:52:38	0.002	94%	2.309	3.748	-0.309	1.938	3.612	1.922	10.110
3	14:53:47	-0.002	96%	1.191	3.631	0.573	2.309	3.261	2.043	9.321
X		0.005	95%	2.105	3.600	-0.021	2.232	3.350	2.013	9.697
?		0.009	1%	0.830	0.166	0.515	0.264	0.230	0.080	0.393
%RSD		174.100	1	39.450	4.599	2394.000	11.840	6.861	3.981	4.054

Run	Time	121Sb	136Ba	137Ba	159Tb	166Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:29	3.834	19.300	19.660	98%	98%	2.025	2.026	1.826	1.833
2	14:52:38	4.054	20.120	19.940	97%	97%	1.982	2.072	1.815	1.890
3	14:53:47	3.940	18.970	18.720	99%	99%	1.993	2.023	1.715	1.740
X		3.943	19.460	19.440	98%	98%	2.000	2.040	1.785	1.821
?		0.110	0.593	0.639	1%	1%	0.022	0.028	0.061	0.076
%RSD		2.786	3.046	3.286	1	1	1.111	1.362	3.437	4.157

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	14:51:29	1.802	100%	1.642	1.966
2	14:52:38	1.842	99%	1.793	1.981
3	14:53:47	1.724	101%	1.804	1.879
X		1.789	100%	1.746	1.942
?		0.060	1%	0.091	0.055

%R3D	3.348	1	5.205	2.824

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Reviewed by: jaswal
On: 7/26/2012 11:43:57
Inst Id :P6

D3485 -01 MH3BQ1 07/25/2012 02:58:17 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:26	87%	0.002	2.304	0.000	209.900	29.520	29.030	29.010	3.086
2	15:00:35	87%	0.030	2.589	0.000	204.500	28.360	28.690	27.580	3.185
3	15:01:44	87%	0.058	2.275	0.000	201.400	27.730	26.120	27.050	2.584
X		87%	0.030	2.390	0.000	205.300	28.540	27.950	27.880	2.952
?		0%	0.028	0.174	0.000	4.281	0.907	1.594	1.015	0.322
%RSD		1	91.480	7.266	0.000	2.086	3.177	5.705	3.641	10.910

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:26	4.461	-11.810	0.000	0.000	38.650	175.800	210.000	89%	0.107
2	15:00:35	4.340	-11.930	0.000	0.000	31.800	216.000	211.900	91%	-0.006
3	15:01:44	3.918	-12.230	0.000	0.000	32.110	203.600	208.400	91%	-0.005
X		4.240	-11.990	0.000	0.000	34.190	198.500	210.100	90%	0.032
?		0.285	0.216	0.000	0.000	3.869	20.580	1.751	1%	0.065
%RSD		6.730	1.803	0.000	0.000	11.320	10.370	0.834	2	203.800

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:26	0.149	0.367	3.450	-4.967	0.722	9.932	10.750	0.022	-1.967
2	15:00:35	0.420	0.306	8.583	-7.343	0.649	8.130	10.340	0.012	-1.927
3	15:01:44	-0.246	0.375	13.700	-6.788	0.667	8.167	5.595	0.014	-1.936
X		0.108	0.349	8.576	-6.366	0.679	8.743	8.895	0.016	-1.943
?		0.335	0.038	5.123	1.243	0.038	1.030	2.865	0.005	0.021
%RSD		310.900	10.740	59.740	19.520	5.599	11.780	32.210	33.170	1.086

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:26	0.626	0.593	5.704	0.113	-0.103	0.053	0.885	-0.101	-0.462
2	15:00:35	0.489	0.300	5.347	-0.005	0.269	0.099	0.259	0.269	-0.580
3	15:01:44	0.437	0.513	5.393	0.262	-0.018	0.079	0.200	-0.017	0.194
X		0.518	0.468	5.482	0.123	0.049	0.077	0.448	0.050	-0.283
?		0.098	0.152	0.194	0.134	0.195	0.023	0.379	0.194	0.417
%RSD		18.900	32.360	3.541	108.200	394.400	29.940	84.710	385.800	147.600

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:26	0.355	0.513	0.353	0.323	0.254	0.089	0.124	0.078	0.123
2	15:00:35	0.491	0.503	0.322	0.404	0.224	0.101	0.140	0.057	0.091
3	15:01:44	0.575	0.493	0.342	0.346	0.252	0.084	0.144	0.121	0.094
X		0.474	0.503	0.339	0.358	0.244	0.091	0.136	0.085	0.103
?		0.111	0.010	0.016	0.042	0.017	0.009	0.011	0.033	0.017
%RSD		23.440	1.927	4.633	11.690	6.859	9.347	7.981	38.320	16.890

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:26	0.011	94%	-0.254	1.465	0.249	0.170	1.370	0.078	0.297
2	15:00:35	0.002	94%	1.184	1.427	-0.519	0.346	1.386	0.078	0.220
3	15:01:44	-0.002	95%	-0.131	1.521	-0.024	-0.186	1.292	0.030	0.223
X		0.004	94%	0.266	1.471	-0.098	0.110	1.349	0.062	0.247
?		0.007	1%	0.797	0.047	0.390	0.271	0.051	0.028	0.044
%RSD		176.700	1	299.700	3.196	397.700	246.300	3.761	44.830	17.720

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:59:26	0.078	0.776	0.732	97%	97%	0.448	0.419	0.182	0.202
2	15:00:35	0.063	0.678	0.705	98%	98%	0.279	0.281	0.167	0.148
3	15:01:44	0.066	0.858	0.788	98%	98%	0.206	0.219	0.137	0.188
X		0.069	0.771	0.742	98%	98%	0.311	0.306	0.162	0.179
?		0.007	0.090	0.042	0%	0%	0.124	0.102	0.023	0.028
%RSD		10.860	11.700	5.706	0	0	39.920	33.460	14.030	15.540

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	14:59:26	0.186	101%	0.019	0.013
2	15:00:35	0.167	101%	0.024	0.011
3	15:01:44	0.149	100%	0.019	0.008
X		0.167	101%	0.021	0.011
?		0.019	0%	0.003	0.002

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[redacted]	11.230	0	14.090	20.310

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Rev 7/26/2012 jaswal
Int 7/26/2012 11:43:57
Inst Id :P6

D3485 -02 MH3BQ2 07/25/2012 03:06:15 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:24	88%	0.038	2.113	0.000	168.000	20.890	21.480	20.150	3.360
2	15:08:33	87%	-0.012	1.926	0.000	169.900	21.760	21.110	22.100	3.287
3	15:09:42	90%	0.018	2.915	0.000	163.900	21.070	20.350	21.070	3.614
X		88%	0.015	2.318	0.000	167.300	21.240	20.980	21.110	3.420
?		1%	0.025	0.526	0.000	3.073	0.457	0.576	0.972	0.172
%RSD		2	168.600	22.680	0.000	1.837	2.153	2.744	4.607	5.020

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:24	5.801	-11.610	0.000	0.000	32.320	166.400	179.200	91%	0.011
2	15:08:33	4.663	-14.570	0.000	0.000	33.440	186.100	175.900	91%	0.065
3	15:09:42	4.589	-10.570	0.000	0.000	30.980	164.900	174.400	92%	0.044
X		5.018	-12.250	0.000	0.000	32.250	172.500	176.500	92%	0.040
?		0.680	2.075	0.000	0.000	1.231	11.850	2.410	1%	0.027
%RSD		13.550	16.940	0.000	0.000	3.817	6.871	1.365	1	67.620

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:24	-0.045	0.409	13.900	-8.066	0.209	7.314	5.227	-0.001	-2.082
2	15:08:33	-0.374	0.425	19.190	-7.691	0.153	8.215	8.411	-0.008	-2.145
3	15:09:42	-0.426	0.529	21.470	-6.489	0.214	8.149	8.709	0.001	-2.169
X		-0.282	0.454	18.190	-7.415	0.192	7.893	7.449	-0.003	-2.132
?		0.207	0.065	3.884	0.824	0.034	0.502	1.930	0.004	0.045
%RSD		73.410	14.320	21.350	11.110	17.700	6.364	25.910	151.600	2.108

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:24	0.471	0.363	6.234	0.099	-0.044	0.099	0.194	-0.044	-0.914
2	15:08:33	0.433	0.453	6.112	0.180	0.060	0.106	0.528	0.060	0.060
3	15:09:42	0.436	0.501	6.290	-0.210	0.736	0.166	0.360	0.734	-3.536
X		0.447	0.439	6.212	0.023	0.251	0.124	0.361	0.250	-1.463
?		0.021	0.070	0.091	0.206	0.424	0.037	0.167	0.422	1.860
%RSD		4.800	15.980	1.465	899.300	169.200	29.560	46.300	168.700	127.100

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:24	0.388	0.369	0.354	0.320	0.263	0.056	0.105	0.077	0.070
2	15:08:33	0.494	0.384	0.313	0.366	0.218	0.059	0.105	0.047	0.055
3	15:09:42	0.278	0.359	0.295	0.303	0.234	0.053	0.127	0.071	0.056
X		0.387	0.371	0.320	0.330	0.238	0.056	0.112	0.065	0.060
?		0.108	0.013	0.030	0.033	0.023	0.003	0.012	0.016	0.008
%RSD		27.950	3.446	9.420	9.870	9.527	5.941	11.080	24.630	14.090

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:24	0.002	94%	0.573	1.253	-0.350	-0.009	1.165	0.104	0.198
2	15:08:33	0.004	94%	1.113	1.217	-0.709	-0.068	1.101	0.089	0.201
3	15:09:42	0.002	95%	1.039	1.321	-0.599	0.049	1.189	0.068	0.207
X		0.003	94%	0.908	1.264	-0.553	-0.009	1.152	0.087	0.202
?		0.001	0%	0.293	0.053	0.184	0.058	0.046	0.018	0.005
%RSD		41.710	0	32.210	4.202	33.270	629.900	3.960	20.970	2.316

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:24	0.079	0.800	0.525	97%	98%	0.170	0.133	0.166	0.212
2	15:08:33	0.062	0.578	0.559	97%	98%	0.100	0.112	0.152	0.156
3	15:09:42	0.070	0.719	0.637	97%	98%	0.091	0.101	0.134	0.144
X		0.070	0.699	0.574	97%	98%	0.120	0.115	0.150	0.171
?		0.008	0.113	0.057	0%	0%	0.044	0.016	0.016	0.036
%RSD		11.630	16.130	10.000	0	0	36.200	14.020	10.700	21.220

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	15:07:24	0.175	100%	0.005	0.005
2	15:08:33	0.157	100%	0.006	0.004
3	15:09:42	0.151	101%	0.009	0.002
X		0.161	100%	0.007	0.004
?		0.012	1%	0.002	0.002

%R3D	7.748	1	29.930	39.580

Reviewed by jaswal
On 7/26/2012 11:43:57
Inst Id :P6

D3485 -03 MH3BQ3 07/25/2012 03:14:13 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:22	88%	-0.003	2.050	0.000	232.700	31.680	29.910	30.780	2.362
2	15:16:31	88%	0.001	2.541	0.000	233.800	31.100	32.560	31.370	2.553
3	15:17:40	88%	0.030	2.776	0.000	234.900	31.900	32.510	30.620	2.246
X		88%	0.009	2.455	0.000	233.800	31.560	31.660	30.920	2.387
?		0%	0.018	0.371	0.000	1.103	0.411	1.515	0.398	0.155
%RSD		0	190.100	15.090	0.000	0.472	1.303	4.784	1.288	6.477

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:22	4.272	-11.420	0.000	0.000	31.990	210.600	212.600	91%	0.030
2	15:16:31	4.934	-9.529	0.000	0.000	29.600	193.500	216.400	91%	-0.023
3	15:17:40	4.726	-13.310	0.000	0.000	27.150	193.100	213.900	92%	-0.041
X		4.644	-11.420	0.000	0.000	29.580	199.100	214.300	91%	-0.012
?		0.338	1.888	0.000	0.000	2.418	10.010	1.962	0%	0.037
%RSD		7.283	16.540	0.000	0.000	8.173	5.027	0.916	0	320.500

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:22	-0.880	0.314	18.160	-6.422	0.021	6.314	7.565	-0.005	-2.007
2	15:16:31	-0.081	0.281	21.370	-10.600	0.015	6.729	5.365	-0.005	-2.074
3	15:17:40	0.037	0.313	23.290	-6.198	0.007	6.189	6.103	-0.009	-1.986
X		-0.308	0.303	20.940	-7.741	0.014	6.411	6.344	-0.006	-2.023
?		0.499	0.019	2.594	2.481	0.007	0.283	1.120	0.002	0.046
%RSD		161.800	6.293	12.390	32.050	49.290	4.412	17.650	41.750	2.254

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:22	0.297	0.238	10.740	0.188	0.295	0.093	0.366	0.295	-0.051
2	15:16:31	0.341	0.324	9.818	0.322	0.530	0.090	0.423	0.528	-1.905
3	15:17:40	0.324	0.406	10.420	-0.076	-0.018	0.156	0.230	-0.017	0.205
X		0.321	0.323	10.330	0.145	0.269	0.113	0.340	0.268	-0.584
?		0.022	0.084	0.469	0.202	0.275	0.037	0.099	0.274	1.152
%RSD		6.863	25.980	4.543	140.000	102.200	32.890	29.300	102.000	197.200

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:22	0.407	0.453	0.258	0.171	0.143	0.034	0.098	0.083	0.072
2	15:16:31	0.418	0.496	0.257	0.220	0.169	0.046	0.090	0.066	0.052
3	15:17:40	0.333	0.478	0.231	0.240	0.202	0.047	0.070	0.042	0.047
X		0.386	0.476	0.248	0.211	0.171	0.042	0.086	0.064	0.057
?		0.046	0.022	0.015	0.035	0.029	0.007	0.014	0.020	0.013
%RSD		11.960	4.524	6.194	16.840	17.020	16.710	16.690	32.260	23.420

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:22	0.009	94%	1.033	1.087	-0.627	-0.008	1.105	0.059	0.160
2	15:16:31	0.002	95%	0.402	0.999	-0.182	0.108	0.976	0.007	0.138
3	15:17:40	0.002	94%	0.141	1.071	-0.155	-0.127	0.993	-0.012	0.139
X		0.004	94%	0.525	1.052	-0.321	-0.009	1.025	0.018	0.146
?		0.004	1%	0.459	0.047	0.265	0.117	0.070	0.037	0.012
%RSD		84.900	1	87.410	4.446	82.490	1289.000	6.840	203.700	8.411

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:15:22	0.061	0.846	0.932	96%	97%	0.088	0.088	-0.049	-0.026
2	15:16:31	0.045	0.919	1.001	96%	97%	0.058	0.063	-0.050	-0.042
3	15:17:40	0.066	1.125	0.979	97%	97%	0.068	0.047	-0.043	-0.034
X		0.057	0.963	0.971	97%	97%	0.071	0.066	-0.047	-0.034
?		0.011	0.144	0.035	0%	0%	0.015	0.021	0.004	0.008
%RSD		19.450	14.990	3.635	0	0	21.390	31.440	7.917	23.560

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	15:15:22	-0.031	99%	0.004	0.004
2	15:16:31	-0.041	100%	0.007	0.003
3	15:17:40	-0.035	100%	0.007	0.002
X		-0.036	100%	0.006	0.003
?		0.005	0%	0.002	0.001

[redacted]	13.280	0	33.900	33.150

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7/26/2012 12:46:20 AM

Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

D3485 -04 MH3BQ4 07/25/2012 03:22:11 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:23:20	87%	0.021	2.802	0.000	279.800	33.010	32.570	33.080	5.645
2	15:24:29	89%	0.033	2.444	0.000	264.600	31.250	30.930	31.620	5.385
3	15:25:38	87%	0.030	3.019	0.000	280.600	32.720	31.010	33.020	5.521
X		88%	0.028	2.755	0.000	275.000	32.320	31.500	32.570	5.517
?		1%	0.006	0.290	0.000	9.005	0.942	0.923	0.830	0.130
%RSD		1	22.490	10.540	0.000	3.274	2.914	2.929	2.547	2.359

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:23:20	5.817	-12.750	0.000	0.000	97.890	282.000	289.600	91%	0.029
2	15:24:29	5.701	-9.977	0.000	0.000	89.640	262.400	270.300	93%	0.093
3	15:25:38	5.900	-9.427	0.000	0.000	97.020	302.200	288.300	91%	-0.005
X		5.806	-10.720	0.000	0.000	94.850	282.200	282.700	92%	0.039
?		0.100	1.779	0.000	0.000	4.532	19.930	10.790	1%	0.050
%RSD		1.724	16.600	0.000	0.000	4.778	7.063	3.817	1	128.400

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:23:20	0.032	1.439	20.370	2.714	3.845	18.700	17.950	0.070	1.380
2	15:24:29	-0.514	1.335	23.690	0.716	3.608	16.680	14.110	0.066	1.624
3	15:25:38	-0.641	1.449	27.770	1.742	3.820	19.160	14.990	0.072	1.320
X		-0.375	1.408	23.940	1.724	3.758	18.180	15.680	0.069	1.442
?		0.358	0.063	3.705	0.999	0.130	1.320	2.010	0.003	0.161
%RSD		95.530	4.457	15.470	57.960	3.471	7.261	12.810	3.936	11.180

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:23:20	3.290	3.434	22.880	0.059	0.165	0.104	0.308	0.165	-1.759
2	15:24:29	3.225	3.447	22.870	0.288	-0.091	0.089	0.116	-0.090	0.677
3	15:25:38	3.535	3.282	23.820	0.119	0.793	0.148	0.312	0.790	-3.969
X		3.350	3.387	23.190	0.156	0.289	0.114	0.245	0.288	-1.684
?		0.163	0.092	0.546	0.119	0.455	0.030	0.112	0.453	2.324
%RSD		4.874	2.709	2.356	76.320	157.300	26.620	45.690	157.000	138.000

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:23:20	0.521	0.549	0.213	0.215	0.171	0.068	0.072	0.031	0.064
2	15:24:29	0.458	0.550	0.206	0.167	0.134	0.068	0.081	0.041	0.063
3	15:25:38	0.620	0.545	0.223	0.236	0.189	0.031	0.130	0.097	0.053
X		0.533	0.548	0.214	0.206	0.165	0.056	0.094	0.056	0.060
?		0.082	0.003	0.008	0.035	0.028	0.021	0.031	0.035	0.006
%RSD		15.350	0.479	3.943	17.080	16.860	38.520	32.980	62.960	10.330

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:23:20	0.000	95%	-0.379	0.901	0.223	-0.010	0.826	-0.039	0.396
2	15:24:29	0.000	96%	0.197	0.914	-0.190	-0.128	0.809	0.033	0.355
3	15:25:38	0.007	94%	-0.299	0.897	0.143	-0.068	0.939	0.005	0.374
X		0.002	95%	-0.160	0.904	0.059	-0.069	0.858	-0.000	0.375
?		0.004	1%	0.312	0.009	0.219	0.059	0.071	0.036	0.020
%RSD		165.300	1	195.000	0.991	372.100	85.530	8.259	8765.000	5.450

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:23:20	0.069	0.889	0.789	98%	98%	0.063	0.064	0.402	0.462
2	15:24:29	0.059	0.706	0.818	99%	100%	0.048	0.047	0.346	0.364
3	15:25:38	0.045	0.880	0.933	97%	98%	0.045	0.047	0.393	0.414
X		0.057	0.825	0.847	98%	99%	0.052	0.053	0.380	0.413
?		0.012	0.103	0.076	1%	1%	0.010	0.010	0.030	0.049
%RSD		20.690	12.450	8.952	1	1	19.000	18.210	7.837	11.890

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	15:23:20	0.436	101%	0.004	0.004
2	15:24:29	0.378	102%	0.004	0.002
3	15:25:38	0.397	100%	0.005	0.003
X		0.403	101%	0.004	0.003
?		0.030	1%	0.001	0.001

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%R3D	7.326	1	16.140	24.200

7/26/2012 12:46:20 AM

Reviewed by: jaswal
Dt: 7/26/2012 11:43:57
Inst Id : P6

CCV09 07/25/2012 03:30:08 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:17	88%	494.800	486.700	0.000	49110.000	48940.000	49070.000	48540.000	9639.000
2	15:32:26	94%	492.200	485.800	0.000	48500.000	48690.000	48520.000	48500.000	9704.000
3	15:33:35	88%	501.500	500.800	0.000	49240.000	49160.000	49110.000	48680.000	9769.000
X		90%	496.200	491.100	0.000	48950.000	48930.000	48900.000	48570.000	9704.000
?		3%	4.790	8.421	0.000	393.700	233.300	331.500	98.050	64.900
%RSD		4	0.965	1.715	0.000	0.804	0.477	0.678	0.202	0.669

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:17	483.400	9725.000	0.000	0.000	24580.000	49750.000	49480.000	93%	499.600
2	15:32:26	482.800	9810.000	0.000	0.000	24520.000	49710.000	49610.000	97%	496.400
3	15:33:35	479.500	9709.000	0.000	0.000	24600.000	49110.000	48850.000	95%	492.300
X		481.900	9748.000	0.000	0.000	24570.000	49530.000	49310.000	95%	496.100
?		2.119	54.300	0.000	0.000	41.250	357.500	409.900	2%	3.646
%RSD		0.440	0.557	0.000	0.000	0.168	0.722	0.831	2	0.735

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:17	492.300	493.700	-11.620	24510.000	1011.000	24620.000	25570.000	497.100	502.100
2	15:32:26	486.000	489.600	-8.790	24660.000	1012.000	24690.000	25330.000	494.100	497.200
3	15:33:35	489.200	491.300	-17.490	24510.000	1007.000	24610.000	25060.000	490.600	495.300
X		489.200	491.500	-12.630	24560.000	1010.000	24640.000	25320.000	493.900	498.200
?		3.160	2.024	4.438	89.310	2.526	43.320	255.100	3.299	3.539
%RSD		0.646	0.412	35.130	0.364	0.250	0.176	1.007	0.668	0.710

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:17	996.300	990.300	1003.000	495.600	496.200	-1.066	493.000	495.600	-1.295
2	15:32:26	1005.000	1001.000	997.500	494.100	496.700	-1.616	493.500	496.500	1.080
3	15:33:35	995.500	991.000	995.400	491.400	494.800	-0.981	494.400	494.400	1.252
X		998.900	994.000	998.800	493.700	495.900	-1.221	493.700	495.500	0.346
?		5.252	5.765	4.098	2.169	0.963	0.345	0.696	1.068	1.424
%RSD		0.526	0.580	0.410	0.439	0.194	28.230	0.141	0.216	412.000

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:17	490.600	489.000	486.400	488.400	489.000	492.200	490.100	489.800	491.300
2	15:32:26	491.300	493.000	490.200	491.200	492.600	493.200	496.500	495.200	489.900
3	15:33:35	485.800	489.000	485.500	489.500	493.200	492.100	493.200	490.200	491.300
X		489.300	490.300	487.400	489.700	491.600	492.500	493.300	491.800	490.800
?		3.020	2.283	2.532	1.404	2.269	0.569	3.183	3.021	0.808
%RSD		0.617	0.466	0.520	0.287	0.462	0.116	0.645	0.614	0.165

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:17	0.005	92%	505.300	85.880	-20.140	508.700	78.000	497.500	492.600
2	15:32:26	0.009	95%	497.700	86.370	-15.790	508.600	80.190	497.600	494.500
3	15:33:35	0.000	94%	492.600	85.670	-14.500	505.200	79.250	497.000	493.800
X		0.004	93%	498.500	85.970	-16.810	507.500	79.150	497.400	493.600
?		0.004	2%	6.398	0.359	2.959	1.992	1.098	0.325	0.963
%RSD		95.420	2	1.283	0.418	17.600	0.393	1.387	0.065	0.195

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:17	488.000	2445.000	2467.000	97%	98%	487.900	506.000	494.000	498.300
2	15:32:26	492.300	2467.000	2466.000	99%	100%	492.000	490.600	495.200	497.500
3	15:33:35	493.600	2447.000	2457.000	99%	99%	486.000	500.100	489.800	490.800
X		491.300	2453.000	2463.000	99%	99%	488.700	498.900	493.000	495.600
?		2.948	12.140	5.239	1%	1%	3.063	7.753	2.867	4.146
%RSD		0.600	0.495	0.213	1	1	0.627	1.554	0.581	0.837

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	15:31:17	499.800	97%	495.000	494.000
2	15:32:26	500.100	99%	492.600	492.600
3	15:33:35	495.100	98%	490.400	491.200
X		498.300	98%	492.700	492.600
?		2.807	1%	2.284	1.400

%R3D	0.563	1	0.464	0.284

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User Pre-dilution:1.000

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:12	90%	0.036	7.891	0.000	-45.780	-0.114	0.318	0.213	-0.117
2	15:40:22	92%	0.021	6.316	0.000	-48.030	-0.165	0.065	-0.061	-0.164
3	15:41:31	91%	0.022	6.170	0.000	-44.470	0.016	0.163	0.449	-0.204
X		91%	0.026	6.792	0.000	-46.090	-0.088	0.182	0.200	-0.162
?		1%	0.008	0.955	0.000	1.803	0.093	0.128	0.255	0.044
%RSD		1	31.230	14.050	0.000	3.911	106.000	70.240	127.500	27.010

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:12	0.410	-3.256	0.000	0.000	-0.147	-10.530	-1.993	93%	-0.061
2	15:40:22	0.438	-1.614	0.000	0.000	-1.747	-1.593	-3.810	95%	-0.113
3	15:41:31	0.385	-3.689	0.000	0.000	0.836	-4.132	-1.429	93%	-0.044
X		0.411	-2.853	0.000	0.000	-0.353	-5.419	-2.411	94%	-0.073
?		0.026	1.095	0.000	0.000	1.303	4.606	1.244	1%	0.036
%RSD		6.394	38.370	0.000	0.000	369.700	85.000	51.610	1	49.680

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:12	0.216	-0.123	-15.650	-2.303	-0.264	-0.639	-3.345	0.010	0.209
2	15:40:22	0.476	-0.112	-16.520	-1.388	-0.286	-2.051	-0.371	0.011	0.199
3	15:41:31	0.251	-0.093	-16.490	1.972	-0.233	-0.558	-2.388	0.011	0.235
X		0.314	-0.109	-16.220	-0.573	-0.261	-1.083	-2.035	0.011	0.214
?		0.142	0.015	0.497	2.251	0.027	0.840	1.518	0.001	0.018
%RSD		45.020	13.670	3.063	393.100	10.310	77.540	74.610	7.670	8.611

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:12	-0.081	-0.087	-0.176	-0.044	-0.192	-0.092	0.507	-0.191	0.960
2	15:40:22	-0.057	-0.050	-0.182	0.122	-0.061	-0.125	-0.133	-0.060	-1.649
3	15:41:31	-0.052	-0.071	-0.122	-0.127	-0.426	-0.084	0.529	-0.424	1.177
X		-0.064	-0.069	-0.160	-0.016	-0.226	-0.100	0.301	-0.225	0.163
?		0.016	0.018	0.033	0.127	0.185	0.022	0.376	0.184	1.573
%RSD		24.440	26.580	20.740	777.700	81.760	21.740	124.900	81.960	965.700

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:12	-0.046	0.016	0.535	0.436	0.619	0.712	0.710	0.756	0.712
2	15:40:22	-0.060	0.011	0.473	0.459	0.472	0.509	0.534	0.419	0.495
3	15:41:31	-0.045	0.022	0.451	0.379	0.453	0.395	0.371	0.401	0.381
X		-0.050	0.016	0.487	0.425	0.515	0.539	0.538	0.525	0.529
?		0.008	0.006	0.044	0.041	0.091	0.161	0.170	0.200	0.168
%RSD		16.800	33.550	9.029	9.704	17.620	29.790	31.490	38.100	31.730

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:12	0.004	96%	0.279	0.642	-0.207	-0.070	0.649	-0.009	0.850
2	15:40:22	0.002	97%	0.220	0.668	-0.108	0.044	0.542	-0.011	0.647
3	15:41:31	0.004	95%	-0.343	0.623	0.169	-0.069	0.608	-0.077	0.482
X		0.004	96%	0.052	0.644	-0.049	-0.032	0.600	-0.032	0.660
?		0.001	1%	0.343	0.023	0.195	0.066	0.054	0.039	0.184
%RSD		34.750	1	659.700	3.542	399.800	205.400	8.985	120.400	27.940

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:12	1.599	0.025	0.037	98%	99%	0.117	0.120	-0.196	-0.183
2	15:40:22	1.143	0.024	0.014	99%	100%	0.102	0.095	-0.196	-0.182
3	15:41:31	0.844	0.031	0.048	98%	99%	0.096	0.080	-0.193	-0.179
X		1.195	0.026	0.033	98%	99%	0.105	0.098	-0.195	-0.181
?		0.380	0.004	0.017	0%	0%	0.011	0.020	0.002	0.002
%RSD		31.820	13.810	52.680	0	1	10.190	20.540	0.969	1.068

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	15:39:12	-0.187	100%	0.497	0.045
2	15:40:22	-0.184	101%	0.341	0.024
3	15:41:31	-0.180	100%	0.258	0.022
X		-0.184	101%	0.365	0.030
?		0.004	1%	0.121	0.013

%R3D	1.942	1	33.160	42.420

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Dt 7/26/2012 11:43:57
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User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:08	88%	0.029	4.874	0.000	216.900	32.110	31.840	31.210	2.179
2	15:48:17	89%	0.097	5.519	0.000	210.900	30.770	31.530	31.660	2.128
3	15:49:26	89%	0.033	4.661	0.000	214.300	30.790	31.390	29.810	1.898
X		89%	0.053	5.018	0.000	214.000	31.220	31.590	30.890	2.068
?		1%	0.038	0.447	0.000	3.012	0.768	0.233	0.965	0.150
%RSD		1	71.640	8.903	0.000	1.407	2.460	0.738	3.125	7.237

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:08	4.492	-9.340	0.000	0.000	24.810	162.800	183.700	91%	0.116
2	15:48:17	3.858	-12.980	0.000	0.000	20.230	200.200	181.400	93%	-0.078
3	15:49:26	4.646	-12.470	0.000	0.000	22.210	192.100	188.900	92%	0.133
X		4.332	-11.600	0.000	0.000	22.420	185.000	184.700	92%	0.057
?		0.418	1.970	0.000	0.000	2.293	19.660	3.857	1%	0.117
%RSD		9.641	16.990	0.000	0.000	10.230	10.630	2.088	1	205.500

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:08	0.189	0.349	9.653	-7.996	0.156	7.572	7.463	0.046	-1.839
2	15:48:17	0.274	0.344	15.530	-7.944	0.090	6.162	5.780	0.036	-1.970
3	15:49:26	-1.037	0.411	21.250	-8.987	0.106	7.853	5.933	0.063	-2.037
X		-0.192	0.368	15.470	-8.309	0.117	7.196	6.392	0.048	-1.949
?		0.734	0.037	5.796	0.588	0.035	0.906	0.931	0.014	0.101
%RSD		383.100	10.100	37.460	7.071	29.480	12.590	14.560	28.360	5.165

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:08	0.420	0.423	4.424	0.260	0.191	0.069	0.871	0.191	-2.036
2	15:48:17	0.350	0.429	4.669	0.784	0.063	-0.013	0.566	0.063	-0.077
3	15:49:26	0.335	0.353	4.466	0.222	0.087	0.087	0.543	0.087	-1.121
X		0.368	0.402	4.520	0.422	0.114	0.048	0.660	0.114	-1.078
?		0.045	0.042	0.131	0.314	0.068	0.054	0.183	0.068	0.980
%RSD		12.310	10.530	2.899	74.440	60.050	112.300	27.690	59.720	90.920

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:08	0.550	0.508	0.825	0.792	0.540	0.196	0.242	0.187	0.172
2	15:48:17	0.372	0.512	0.776	0.698	0.512	0.134	0.271	0.130	0.169
3	15:49:26	0.346	0.492	0.691	0.559	0.580	0.134	0.240	0.181	0.161
X		0.423	0.504	0.764	0.683	0.544	0.154	0.251	0.166	0.167
?		0.111	0.011	0.068	0.117	0.034	0.036	0.017	0.031	0.006
%RSD		26.300	2.121	8.899	17.170	6.265	23.040	6.795	18.880	3.432

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:08	0.007	94%	0.952	2.572	-0.612	-0.068	2.415	0.105	0.500
2	15:48:17	0.004	95%	1.857	2.483	-1.093	0.048	2.175	0.162	0.400
3	15:49:26	0.002	95%	-0.123	2.559	0.102	0.049	2.277	0.048	0.342
X		0.004	95%	0.895	2.538	-0.534	0.010	2.289	0.105	0.414
?		0.002	1%	0.991	0.048	0.601	0.067	0.120	0.057	0.080
%RSD		49.370	1	110.700	1.888	112.500	699.500	5.259	54.450	19.300

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:47:08	0.350	0.870	0.877	96%	97%	0.541	0.595	-0.033	0.029
2	15:48:17	0.262	0.765	0.922	97%	98%	0.342	0.371	-0.047	-0.004
3	15:49:26	0.289	0.934	0.940	97%	98%	0.254	0.263	-0.049	-0.030
X		0.300	0.856	0.913	97%	98%	0.379	0.410	-0.043	-0.001
?		0.045	0.085	0.032	0%	0%	0.147	0.169	0.009	0.030
%RSD		15.010	9.958	3.557	0	0	38.730	41.270	20.330	2052.000

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	15:47:08	-0.013	98%	0.027	0.050
2	15:48:17	-0.034	100%	0.034	0.043
3	15:49:26	-0.036	99%	0.032	0.037
X		-0.028	99%	0.031	0.044
?		0.013	1%	0.003	0.006

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%RSD	46.110	1	10.760	14.630

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User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:04	87%	0.021	4.535	0.000	222.800	29.570	28.060	29.940	4.169
2	15:56:13	88%	0.020	4.493	0.000	218.300	29.220	29.360	29.110	4.315
3	15:57:22	90%	0.014	3.643	0.000	219.800	30.460	28.650	30.050	4.352
X		88%	0.018	4.223	0.000	220.300	29.750	28.690	29.700	4.279
?		1%	0.003	0.504	0.000	2.293	0.641	0.651	0.518	0.096
%RSD		1	19.130	11.920	0.000	1.041	2.155	2.269	1.742	2.252

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:04	4.201	-13.220	0.000	0.000	60.880	294.500	293.300	91%	-0.006
2	15:56:13	4.721	-9.613	0.000	0.000	57.060	277.900	294.500	92%	0.010
3	15:57:22	5.654	-8.984	0.000	0.000	62.310	324.000	300.900	91%	0.083
X		4.859	-10.610	0.000	0.000	60.090	298.800	296.200	91%	0.029
?		0.736	2.285	0.000	0.000	2.713	23.350	4.087	1%	0.048
%RSD		15.150	21.540	0.000	0.000	4.515	7.817	1.380	1	163.300

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:04	-0.496	1.046	20.320	-1.025	2.197	16.320	17.880	0.059	-0.550
2	15:56:13	-0.996	1.185	25.430	0.645	2.227	15.600	11.950	0.043	-0.424
3	15:57:22	-1.044	1.150	28.750	2.604	2.286	17.630	14.680	0.036	-0.229
X		-0.845	1.127	24.830	0.741	2.237	16.520	14.840	0.046	-0.401
?		0.304	0.072	4.250	1.816	0.045	1.028	2.972	0.012	0.162
%RSD		35.930	6.432	17.110	245.000	2.023	6.223	20.030	25.530	40.400

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:04	0.641	0.592	17.450	0.274	-0.175	0.071	0.581	-0.173	-0.924
2	15:56:13	0.608	0.482	17.130	-0.048	0.035	0.147	0.771	0.035	-0.157
3	15:57:22	0.628	0.548	18.320	-0.058	0.217	0.177	0.538	0.216	-0.715
X		0.626	0.540	17.630	0.056	0.026	0.131	0.630	0.026	-0.599
?		0.016	0.055	0.617	0.189	0.196	0.055	0.124	0.195	0.397
%RSD		2.610	10.220	3.498	336.800	765.500	41.500	19.660	744.300	66.250

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:04	0.523	0.564	0.726	0.580	0.512	0.094	0.209	0.111	0.118
2	15:56:13	0.415	0.566	0.631	0.611	0.470	0.109	0.174	0.116	0.096
3	15:57:22	0.446	0.574	0.590	0.559	0.396	0.110	0.170	0.112	0.083
X		0.461	0.568	0.649	0.583	0.459	0.105	0.184	0.113	0.099
?		0.056	0.006	0.070	0.026	0.059	0.009	0.021	0.003	0.017
%RSD		12.140	0.973	10.760	4.449	12.820	8.847	11.580	2.314	17.300

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:04	-0.002	95%	-0.637	1.974	0.347	-0.068	1.799	-0.047	0.425
2	15:56:13	0.000	95%	0.550	1.978	-0.172	0.285	1.779	0.024	0.431
3	15:57:22	-0.002	94%	0.598	1.906	-0.266	0.169	1.817	0.061	0.410
X		-0.001	94%	0.170	1.953	-0.030	0.128	1.798	0.013	0.422
?		0.001	0%	0.700	0.041	0.330	0.180	0.019	0.055	0.011
%RSD		94.580	0	410.600	2.081	1090.000	140.200	1.065	437.700	2.543

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:55:04	0.210	0.767	0.756	97%	97%	0.153	0.156	0.269	0.236
2	15:56:13	0.154	0.861	0.720	98%	97%	0.109	0.123	0.251	0.293
3	15:57:22	0.178	0.788	0.738	97%	97%	0.093	0.099	0.253	0.261
X		0.181	0.805	0.738	97%	97%	0.118	0.126	0.258	0.263
?		0.028	0.049	0.018	0%	0%	0.031	0.028	0.009	0.029
%RSD		15.420	6.120	2.393	0	0	26.030	22.540	3.665	10.840

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	15:55:04	0.277	100%	0.014	0.013
2	15:56:13	0.268	100%	0.016	0.020
3	15:57:22	0.286	100%	0.016	0.015
X		0.277	100%	0.015	0.016
?		0.009	0%	0.002	0.003

%RSD	3.258	0	9.871	20.730

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User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:00	88%	0.030	3.068	0.000	177.600	25.830	23.680	24.770	3.362
2	16:04:09	87%	0.002	3.727	0.000	176.900	26.190	25.640	27.570	3.361
3	16:05:18	90%	0.019	2.285	0.000	174.600	26.260	25.210	25.780	3.966
X		88%	0.017	3.027	0.000	176.400	26.090	24.840	26.040	3.563
?		1%	0.014	0.722	0.000	1.578	0.229	1.029	1.419	0.349
%RSD		1	83.840	23.850	0.000	0.895	0.877	4.142	5.449	9.799

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:00	4.622	-12.190	0.000	0.000	24.760	214.100	204.100	91%	0.066
2	16:04:09	4.013	-12.630	0.000	0.000	22.630	191.600	208.400	91%	0.028
3	16:05:18	4.177	-10.670	0.000	0.000	24.000	182.000	207.200	91%	0.152
X		4.271	-11.830	0.000	0.000	23.790	195.900	206.600	91%	0.082
?		0.315	1.027	0.000	0.000	1.078	16.500	2.245	0%	0.063
%RSD		7.384	8.680	0.000	0.000	4.529	8.420	1.086	0	77.270

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:00	-0.853	0.444	22.260	-5.747	0.383	7.621	7.326	0.012	-1.613
2	16:04:09	-0.445	0.573	25.350	-6.810	0.302	6.877	7.446	0.011	-1.707
3	16:05:18	-1.195	0.495	29.340	-4.819	0.274	7.641	10.130	0.014	-1.750
X		-0.831	0.504	25.650	-5.792	0.320	7.380	8.300	0.012	-1.690
?		0.376	0.065	3.550	0.996	0.057	0.435	1.585	0.001	0.070
%RSD		45.210	12.860	13.840	17.200	17.770	5.899	19.100	10.400	4.127

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:00	0.306	0.275	11.020	-0.048	0.059	0.121	0.778	0.059	-0.857
2	16:04:09	0.301	0.311	10.940	-0.096	0.374	0.150	0.484	0.373	-3.181
3	16:05:18	0.319	0.313	10.520	0.288	0.453	0.110	0.112	0.451	-2.190
X		0.309	0.300	10.830	0.048	0.295	0.127	0.458	0.294	-2.076
?		0.009	0.021	0.268	0.209	0.208	0.021	0.334	0.207	1.166
%RSD		2.980	7.026	2.475	434.500	70.620	16.380	72.860	70.450	56.190

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:00	0.370	0.452	0.611	0.683	0.455	0.053	0.186	0.047	0.063
2	16:04:09	0.539	0.479	0.584	0.627	0.379	0.066	0.145	0.082	0.095
3	16:05:18	0.535	0.490	0.559	0.554	0.464	0.063	0.150	0.087	0.080
X		0.482	0.474	0.585	0.621	0.432	0.060	0.160	0.072	0.079
?		0.096	0.019	0.026	0.065	0.046	0.006	0.022	0.022	0.016
%RSD		20.030	4.057	4.389	10.440	10.750	10.530	13.970	29.960	20.330

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:00	0.002	94%	0.011	1.261	0.189	0.348	1.135	-0.039	0.177
2	16:04:09	0.002	94%	1.263	1.194	-0.865	-0.186	1.202	0.022	0.177
3	16:05:18	0.011	94%	0.086	1.141	-0.155	-0.186	1.127	0.001	0.225
X		0.005	94%	0.453	1.199	-0.277	-0.008	1.155	-0.005	0.193
?		0.005	0%	0.702	0.060	0.538	0.309	0.041	0.031	0.028
%RSD		96.370	0	155.000	5.019	194.000	3878.000	3.566	573.600	14.420

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:03:00	0.132	0.616	0.649	97%	97%	0.074	0.080	-0.018	0.034
2	16:04:09	0.133	0.691	0.710	97%	98%	0.051	0.060	0.004	0.013
3	16:05:18	0.106	0.824	0.728	97%	97%	0.045	0.059	0.011	0.013
X		0.124	0.710	0.696	97%	97%	0.057	0.066	-0.001	0.020
?		0.015	0.106	0.042	0%	0%	0.015	0.012	0.015	0.012
%RSD		12.200	14.890	5.996	0	0	26.830	17.940	1248.000	60.980

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	16:03:00	0.004	100%	0.010	0.006
2	16:04:09	0.006	100%	0.013	0.009
3	16:05:18	0.004	100%	0.013	0.008
X		0.005	100%	0.012	0.008
?		0.001	0%	0.002	0.001

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%R3D	28.160	0	15.530	16.790

Reviewed by jaswal
on 7/26/2012 11:43:57
Inst Id :P6

D3485-08 MH3BQ8 07/25/2012 04:09:47 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:56	86%	-0.006	91.890	0.000	160100.000	100.900	102.100	99.440	14.150
2	16:12:05	90%	0.004	96.290	0.000	159000.000	100.600	99.500	102.100	14.510
3	16:13:14	89%	-0.013	87.710	0.000	158500.000	101.400	99.100	100.800	13.830
X		88%	-0.005	91.960	0.000	159200.000	101.000	100.200	100.800	14.160
?		2%	0.009	4.291	0.000	843.500	0.386	1.632	1.316	0.340
%RSD		3	174.700	4.666	0.000	0.530	0.383	1.628	1.306	2.397

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:56	3642.000	-12.770	0.000	0.000	251.200	3041.000	3041.000	91%	0.804
2	16:12:05	3709.000	-11.470	0.000	0.000	244.800	3025.000	3087.000	94%	0.958
3	16:13:14	3636.000	-11.560	0.000	0.000	252.400	3028.000	3067.000	91%	0.556
X		3662.000	-11.930	0.000	0.000	249.500	3031.000	3065.000	92%	0.773
?		40.690	0.730	0.000	0.000	4.063	8.463	23.290	2%	0.203
%RSD		1.111	6.116	0.000	0.000	1.629	0.279	0.760	2	26.230

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:56	1.075	0.543	29.980	63.780	1.453	81.980	86.960	0.006	-1.681
2	16:12:05	-0.713	0.567	39.000	64.730	1.401	83.170	93.110	-0.000	-1.791
3	16:13:14	-0.365	0.656	45.760	71.970	1.410	83.920	92.830	-0.012	-1.746
X		-0.001	0.589	38.250	66.820	1.421	83.020	90.970	-0.002	-1.739
?		0.948	0.060	7.918	4.481	0.028	0.981	3.473	0.009	0.055
%RSD		101600.000	10.110	20.700	6.706	1.954	1.181	3.818	509.500	3.184

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:56	79.000	78.230	17.300	0.387	0.323	0.183	0.655	0.323	2.228
2	16:12:05	79.370	79.210	17.500	0.288	0.503	0.209	0.346	0.502	0.203
3	16:13:14	80.000	80.240	17.970	-0.273	-0.266	0.332	0.054	-0.266	2.149
X		79.460	79.230	17.590	0.134	0.187	0.241	0.352	0.186	1.527
?		0.508	1.006	0.340	0.356	0.402	0.079	0.300	0.402	1.147
%RSD		0.639	1.270	1.931	265.900	215.400	32.970	85.400	215.500	75.140

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:56	47.950	47.310	6.874	6.739	5.858	3.794	4.296	3.606	3.877
2	16:12:05	47.290	47.560	5.275	5.432	4.975	3.917	4.169	3.947	4.181
3	16:13:14	47.780	47.930	4.451	4.613	4.160	4.202	4.122	3.981	4.028
X		47.670	47.600	5.533	5.594	4.998	3.971	4.196	3.845	4.029
?		0.339	0.315	1.232	1.072	0.849	0.210	0.090	0.207	0.152
%RSD		0.712	0.661	22.270	19.160	16.990	5.276	2.149	5.387	3.772

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:56	0.005	90%	1.430	0.848	-0.411	0.803	0.747	0.004	0.272
2	16:12:05	0.004	93%	1.611	0.745	-0.773	0.351	0.763	0.057	0.238
3	16:13:14	0.009	91%	-0.213	0.706	0.643	0.917	0.679	-0.064	0.240
X		0.006	91%	0.942	0.766	-0.180	0.691	0.729	-0.001	0.250
?		0.003	2%	1.005	0.073	0.736	0.299	0.045	0.061	0.019
%RSD		42.740	2	106.600	9.572	408.100	43.360	6.101	5321.000	7.621

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:10:56	0.106	9.585	9.670	96%	96%	0.054	0.058	1.357	1.327
2	16:12:05	0.123	9.994	9.852	99%	99%	0.044	0.040	1.305	1.290
3	16:13:14	0.099	9.693	9.448	97%	97%	0.038	0.040	1.288	1.316
X		0.109	9.757	9.657	97%	97%	0.046	0.046	1.317	1.311
?		0.012	0.212	0.203	1%	1%	0.008	0.010	0.036	0.019
%RSD		11.400	2.175	2.098	1	2	17.150	22.780	2.713	1.438

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	16:10:56	1.343	96%	0.031	0.015
2	16:12:05	1.314	98%	0.031	0.015
3	16:13:14	1.327	96%	0.029	0.019
X		1.328	97%	0.030	0.017
?		0.015	1%	0.001	0.002

[illegible]	1.096	1	2.483	14.320

7/26/2012 12:46:20 AM

Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

D3485 -09 MH3BQ9 07/25/2012 04:17:44 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:52	88%	0.016	121.400	0.000	415200.000	5144.000	5228.000	5245.000	15.260
2	16:20:01	90%	0.005	127.100	0.000	411600.000	5096.000	5198.000	5182.000	15.720
3	16:21:11	92%	0.003	120.000	0.000	406200.000	5032.000	5109.000	5102.000	15.230
X		90%	0.008	122.800	0.000	411000.000	5091.000	5178.000	5176.000	15.410
?		2%	0.007	3.740	0.000	4505.000	56.050	62.120	71.500	0.274
%RSD		2	85.870	3.045	0.000	1.096	1.101	1.200	1.381	1.775

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:52	3719.000	-11.040	0.000	0.000	649.800	50480.000	50700.000	92%	0.881
2	16:20:01	3733.000	-11.870	0.000	0.000	643.500	50080.000	50370.000	92%	0.683
3	16:21:11	3689.000	-10.700	0.000	0.000	623.200	48860.000	48730.000	96%	0.832
X		3713.000	-11.200	0.000	0.000	638.800	49800.000	49930.000	93%	0.798
?		22.460	0.601	0.000	0.000	13.930	844.600	1058.000	2%	0.103
%RSD		0.605	5.361	0.000	0.000	2.180	1.696	2.118	3	12.940

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:52	-0.848	0.443	25.170	111.600	18.870	129.800	326.900	-0.061	-1.526
2	16:20:01	-0.092	0.401	23.690	116.200	18.800	133.100	322.200	-0.045	-1.792
3	16:21:11	-0.437	0.442	22.070	108.400	18.670	126.900	325.100	-0.052	-1.749
X		-0.459	0.429	23.640	112.100	18.780	129.900	324.700	-0.053	-1.689
?		0.379	0.024	1.552	3.903	0.102	3.127	2.329	0.008	0.143
%RSD		82.520	5.613	6.564	3.482	0.541	2.406	0.717	15.130	8.456

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:52	1.570	1.382	10.890	0.129	1.260	0.306	0.818	1.259	-2.320
2	16:20:01	1.546	1.413	11.100	0.165	0.270	0.286	0.259	0.269	0.466
3	16:21:11	1.555	1.508	10.120	0.172	0.732	0.277	-0.219	0.732	-0.673
X		1.557	1.434	10.700	0.155	0.754	0.290	0.286	0.753	-0.842
?		0.012	0.066	0.515	0.023	0.496	0.015	0.519	0.495	1.401
%RSD		0.795	4.571	4.813	14.840	65.750	5.131	181.500	65.770	166.400

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:52	737.900	741.700	3.687	3.582	3.101	1.913	2.282	2.029	1.992
2	16:20:01	745.600	744.400	3.171	3.047	2.753	1.867	2.260	1.958	2.023
3	16:21:11	724.700	728.700	2.819	2.583	2.461	1.870	1.980	2.112	2.054
X		736.000	738.300	3.226	3.071	2.772	1.883	2.174	2.033	2.023
?		10.580	8.422	0.437	0.500	0.320	0.026	0.168	0.077	0.031
%RSD		1.438	1.141	13.530	16.270	11.560	1.365	7.747	3.778	1.525

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:52	0.002	90%	-0.267	0.632	0.437	0.491	0.490	-0.088	0.222
2	16:20:01	0.000	90%	-0.652	0.572	0.462	0.121	0.516	-0.041	0.206
3	16:21:11	0.002	93%	-2.237	0.492	1.378	0.052	0.494	-0.183	0.169
X		0.002	91%	-1.052	0.566	0.759	0.222	0.500	-0.104	0.199
?		0.001	2%	1.044	0.070	0.536	0.236	0.014	0.072	0.027
%RSD		75.390	2	99.280	12.400	70.630	106.500	2.822	69.550	13.480

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:18:52	0.135	8.103	7.909	98%	99%	0.044	0.029	-0.028	0.005
2	16:20:01	0.107	7.690	7.611	99%	100%	0.022	0.037	-0.009	0.006
3	16:21:11	0.110	7.961	7.857	101%	101%	0.018	0.022	-0.016	-0.033
X		0.117	7.918	7.792	99%	100%	0.028	0.029	-0.017	-0.007
?		0.015	0.210	0.160	1%	1%	0.014	0.008	0.010	0.022
%RSD		13.190	2.650	2.046	2	1	49.440	25.960	55.360	315.700

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	16:18:52	0.004	95%	0.032	0.054
2	16:20:01	-0.003	96%	0.031	0.051
3	16:21:11	-0.002	98%	0.030	0.048
X		-0.000	96%	0.031	0.051
?		0.004	2%	0.001	0.003

%RSD	7774.000	2	3.421	5.812

Reviewed by: jaswal
On: 7/26/2012 11:43:57 AM
Inst Id :P6

D3485-10 MH3BR0 07/25/2012 04:25:41 PM
User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:49	90%	0.009	127.200	0.000	432400.000	5349.000	5447.000	5452.000	16.850
2	16:27:58	93%	-0.006	122.500	0.000	420200.000	5213.000	5270.000	5298.000	16.390
3	16:29:07	93%	0.003	128.700	0.000	432300.000	5360.000	5408.000	5426.000	17.340
X		92%	0.002	126.100	0.000	428300.000	5307.000	5375.000	5392.000	16.860
?		2%	0.008	3.226	0.000	7011.000	81.860	92.720	82.620	0.475
%RSD		2	388.200	2.557	0.000	1.637	1.542	1.725	1.532	2.819

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:49	3932.000	-12.100	0.000	0.000	696.800	52740.000	52530.000	94%	1.305
2	16:27:58	3836.000	-9.978	0.000	0.000	673.700	51110.000	51440.000	96%	0.749
3	16:29:07	3890.000	-13.710	0.000	0.000	685.400	52320.000	52640.000	96%	0.768
X		3886.000	-11.930	0.000	0.000	685.300	52050.000	52200.000	95%	0.941
?		47.960	1.874	0.000	0.000	11.520	848.400	661.000	1%	0.316
%RSD		1.234	15.710	0.000	0.000	1.680	1.630	1.266	2	33.550

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:49	-0.159	0.558	15.580	121.800	20.720	139.200	350.100	-0.043	-0.156
2	16:27:58	-0.045	0.543	15.620	112.100	20.190	137.300	346.800	-0.058	-0.182
3	16:29:07	-0.600	0.619	17.060	118.000	20.730	140.100	353.100	-0.029	-0.269
X		-0.268	0.573	16.090	117.300	20.550	138.900	350.000	-0.044	-0.202
?		0.293	0.040	0.839	4.904	0.310	1.455	3.154	0.015	0.059
%RSD		109.400	7.060	5.217	4.181	1.507	1.048	0.901	33.480	29.240

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:49	1.629	1.458	12.080	0.573	0.743	0.217	0.592	0.743	-0.632
2	16:27:58	1.603	1.585	11.200	1.094	0.809	0.128	0.334	0.809	-1.479
3	16:29:07	1.691	1.501	11.790	0.685	0.320	0.161	0.696	0.320	-0.166
X		1.641	1.515	11.690	0.784	0.624	0.168	0.541	0.624	-0.759
?		0.046	0.064	0.451	0.274	0.265	0.045	0.186	0.265	0.666
%RSD		2.774	4.254	3.860	34.980	42.480	26.580	34.400	42.520	87.710

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:49	783.000	784.600	2.570	2.773	2.405	2.046	2.187	2.166	1.911
2	16:27:58	758.300	760.900	2.214	2.273	2.124	2.023	1.902	2.164	1.932
3	16:29:07	773.600	780.400	2.078	2.066	2.088	1.981	2.073	2.224	2.056
X		771.600	775.300	2.287	2.371	2.206	2.017	2.054	2.185	1.966
?		12.450	12.640	0.254	0.363	0.174	0.033	0.143	0.034	0.079
%RSD		1.613	1.630	11.100	15.320	7.877	1.637	6.980	1.551	3.996

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:49	0.007	91%	-1.424	0.416	0.960	0.179	0.340	-0.103	0.198
2	16:27:58	0.004	93%	-0.992	0.380	0.729	0.231	0.355	-0.090	0.264
3	16:29:07	0.007	93%	-1.575	0.367	1.014	0.113	0.348	-0.119	0.245
X		0.006	92%	-1.331	0.388	0.901	0.174	0.348	-0.104	0.236
?		0.001	1%	0.302	0.026	0.151	0.059	0.008	0.015	0.034
%RSD		21.970	1	22.720	6.613	16.810	33.900	2.223	13.980	14.370

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:26:49	0.102	8.159	8.247	98%	99%	0.031	0.030	0.136	0.154
2	16:27:58	0.122	8.045	7.986	101%	100%	0.016	0.017	0.146	0.163
3	16:29:07	0.102	8.082	8.327	100%	101%	0.015	0.008	0.139	0.187
X		0.109	8.095	8.186	100%	100%	0.021	0.018	0.140	0.168
?		0.012	0.058	0.178	1%	1%	0.009	0.011	0.005	0.017
%RSD		10.600	0.715	2.177	1	1	42.340	59.980	3.759	10.170

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	16:26:49	0.169	95%	0.027	0.056
2	16:27:58	0.161	98%	0.022	0.053
3	16:29:07	0.169	97%	0.026	0.052
X		0.166	97%	0.025	0.054
?		0.004	1%	0.003	0.002

%R3D	2.701	1	10.040	3.763

7/26/2012 12:46:20 AM

Reviewed By: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

D3485-11 MH3BR1 07/25/2012 04:33:38 PM

User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:47	93%	0.016	92.460	0.000	178100.000	98.170	96.190	99.920	9.514
2	16:35:56	99%	0.007	97.390	0.000	176300.000	98.470	99.630	99.030	9.652
3	16:37:05	95%	-0.007	98.570	0.000	178000.000	99.720	97.220	99.290	9.703
X		96%	0.005	96.140	0.000	177500.000	98.790	97.680	99.410	9.623
?		3%	0.012	3.243	0.000	997.900	0.822	1.766	0.456	0.098
%RSD		3	222.900	3.373	0.000	0.562	0.832	1.808	0.459	1.018

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:47	3472.000	-14.830	0.000	0.000	283.300	6120.000	6156.000	95%	0.456
2	16:35:56	3555.000	-11.620	0.000	0.000	264.800	6036.000	6170.000	102%	0.619
3	16:37:05	3553.000	-11.240	0.000	0.000	277.500	6128.000	6249.000	98%	0.438
X		3527.000	-12.570	0.000	0.000	275.200	6095.000	6192.000	98%	0.504
?		47.210	1.971	0.000	0.000	9.449	51.140	50.160	3%	0.100
%RSD		1.339	15.690	0.000	0.000	3.433	0.839	0.810	3	19.780

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:47	0.040	0.373	21.220	-9.342	3.017	9.727	32.230	-0.015	-2.100
2	16:35:56	-0.365	0.438	23.520	-9.012	2.907	8.579	26.520	-0.004	-2.037
3	16:37:05	-0.591	0.412	27.550	-7.155	3.007	9.237	28.380	-0.007	-2.115
X		-0.305	0.408	24.100	-8.503	2.977	9.181	29.040	-0.009	-2.084
?		0.320	0.033	3.208	1.179	0.061	0.576	2.913	0.006	0.041
%RSD		104.600	8.023	13.310	13.870	2.035	6.274	10.030	65.830	1.989

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:47	0.658	0.501	4.635	0.092	0.346	0.211	0.745	0.345	-1.533
2	16:35:56	0.626	0.546	4.943	0.431	0.631	0.171	-0.299	0.630	-2.858
3	16:37:05	0.667	0.523	4.882	-0.098	0.318	0.288	0.371	0.317	-0.957
X		0.650	0.523	4.820	0.142	0.431	0.224	0.273	0.431	-1.783
?		0.022	0.022	0.163	0.268	0.173	0.060	0.529	0.173	0.975
%RSD		3.333	4.267	3.384	189.200	40.150	26.650	194.100	40.230	54.660

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:47	75.410	75.700	1.262	1.234	2.322	4.292	3.573	4.253	4.223
2	16:35:56	74.360	75.910	1.183	1.177	2.211	4.218	3.687	4.166	4.457
3	16:37:05	76.110	75.960	1.132	1.227	2.267	4.032	3.691	4.298	4.376
X		75.300	75.860	1.192	1.213	2.267	4.181	3.650	4.239	4.352
?		0.880	0.140	0.065	0.031	0.055	0.134	0.067	0.067	0.119
%RSD		1.169	0.185	5.493	2.582	2.442	3.209	1.838	1.586	2.734

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:47	0.002	95%	0.548	0.300	-0.039	0.519	0.321	-0.008	0.133
2	16:35:56	0.004	99%	1.531	0.279	-0.869	0.095	0.262	0.040	0.134
3	16:37:05	0.002	97%	-0.161	0.253	0.155	0.101	0.198	-0.051	0.152
X		0.003	97%	0.640	0.277	-0.251	0.238	0.260	-0.006	0.140
?		0.001	2%	0.850	0.024	0.544	0.243	0.062	0.046	0.011
%RSD		38.450	2	132.900	8.599	216.600	102.000	23.740	732.300	7.819

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:34:47	0.070	9.847	9.637	100%	101%	0.012	0.020	-0.059	-0.023
2	16:35:56	0.073	9.770	9.613	103%	104%	0.009	0.009	-0.072	-0.032
3	16:37:05	0.071	10.070	9.844	101%	102%	0.005	0.007	-0.051	-0.033
X		0.072	9.897	9.698	102%	102%	0.009	0.012	-0.061	-0.029
?		0.001	0.158	0.127	1%	2%	0.003	0.007	0.011	0.005
%RSD		1.634	1.591	1.309	1	2	38.210	59.120	17.690	18.190

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	16:34:47	-0.043	99%	0.011	0.005
2	16:35:56	-0.046	102%	0.012	0.006
3	16:37:05	-0.048	100%	0.015	0.006
X		-0.046	101%	0.013	0.006
?		0.003	1%	0.002	0.000

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%R3D	5.932	1	14.400	7.439

Reviewed by: jaswal
Dt 7/26/2012 11:43:57 AM
Inst Id :P6

D3485-12 MH3BR2 07/25/2012 04:41:35 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:44	93%	-0.010	86.940	0.000	176100.000	110.700	107.300	111.500	4.848
2	16:43:53	92%	0.025	91.180	0.000	175600.000	110.000	109.000	110.400	4.757
3	16:45:03	97%	0.021	89.940	0.000	173100.000	107.100	109.000	108.800	4.578
X		94%	0.012	89.350	0.000	174900.000	109.300	108.400	110.200	4.728
?		3%	0.019	2.183	0.000	1594.000	1.914	0.982	1.334	0.137
%RSD		3	161.500	2.443	0.000	0.911	1.751	0.905	1.210	2.903

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:44	3296.000	-11.310	0.000	0.000	289.500	4062.000	4043.000	95%	0.423
2	16:43:53	3274.000	-10.250	0.000	0.000	283.300	3934.000	4028.000	96%	0.568
3	16:45:03	3244.000	-10.820	0.000	0.000	274.300	3902.000	4014.000	99%	0.430
X		3271.000	-10.790	0.000	0.000	282.400	3966.000	4028.000	97%	0.474
?		26.420	0.533	0.000	0.000	7.636	84.670	14.380	2%	0.082
%RSD		0.808	4.944	0.000	0.000	2.704	2.135	0.357	2	17.230

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:44	-0.148	0.429	26.400	43.630	2.591	63.820	75.270	-0.004	-2.068
2	16:43:53	-0.911	0.401	30.190	43.480	2.683	62.730	68.750	0.005	-2.058
3	16:45:03	-0.452	0.409	30.390	45.540	2.562	61.780	71.580	0.002	-2.117
X		-0.504	0.413	28.990	44.220	2.612	62.780	71.870	0.001	-2.081
?		0.385	0.015	2.248	1.148	0.063	1.022	3.270	0.005	0.032
%RSD		76.380	3.553	7.753	2.596	2.425	1.628	4.551	377.100	1.525

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:44	0.886	0.877	5.807	0.037	0.114	0.274	0.115	0.114	-0.537
2	16:43:53	0.938	0.833	5.489	0.551	0.243	0.218	-0.049	0.243	-1.030
3	16:45:03	0.944	0.791	5.374	0.018	0.539	0.255	0.202	0.539	-1.042
X		0.923	0.834	5.556	0.202	0.299	0.249	0.089	0.298	-0.870
?		0.032	0.043	0.224	0.302	0.218	0.029	0.127	0.218	0.288
%RSD		3.447	5.186	4.034	149.600	72.910	11.460	142.400	73.000	33.150

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:44	59.270	58.630	1.000	0.958	2.349	4.848	4.161	4.818	4.845
2	16:43:53	58.960	58.970	0.946	0.916	2.358	5.030	4.265	4.877	4.816
3	16:45:03	57.660	57.310	0.776	0.765	2.021	4.751	4.170	4.854	4.820
X		58.630	58.310	0.907	0.880	2.243	4.876	4.199	4.850	4.827
?		0.853	0.877	0.117	0.102	0.192	0.142	0.058	0.030	0.016
%RSD		1.455	1.504	12.870	11.530	8.551	2.908	1.382	0.613	0.332

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:44	0.000	94%	-0.754	0.230	0.550	0.169	0.224	-0.068	0.121
2	16:43:53	0.002	94%	0.706	0.219	-0.296	0.228	0.228	0.006	0.139
3	16:45:03	0.008	97%	2.239	0.168	-1.261	0.156	0.203	0.120	0.127
X		0.004	95%	0.731	0.206	-0.336	0.184	0.218	0.019	0.129
?		0.004	2%	1.497	0.033	0.906	0.039	0.014	0.094	0.009
%RSD		118.700	2	204.900	15.970	269.900	20.940	6.296	485.200	7.359

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:42:44	0.064	6.514	6.413	100%	101%	0.011	0.016	0.004	0.008
2	16:43:53	0.082	6.375	6.619	100%	101%	-0.001	0.016	-0.024	-0.008
3	16:45:03	0.041	6.538	6.574	102%	103%	-0.004	0.001	-0.014	0.012
X		0.062	6.476	6.535	101%	102%	0.002	0.011	-0.011	0.004
?		0.021	0.088	0.109	1%	2%	0.008	0.009	0.014	0.011
%RSD		33.690	1.356	1.662	1	2	430.500	78.500	121.300	257.200

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	16:42:44	0.010	99%	0.010	0.003
2	16:43:53	-0.002	100%	0.009	0.002
3	16:45:03	0.002	101%	0.010	0.004
X		0.003	100%	0.010	0.003
?		0.006	1%	0.001	0.001

[illegible]	181.000	1	8.569	24.050

Rev 7/26/2012 jaswal
Cnt 7/26/2012 11:43:57
Inst Id :P6

D3485-12D MH3BR2D 07/25/2012 04:49:34 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:43	93%	0.020	84.790	0.000	179200.000	125.400	124.100	126.000	16.600
2	16:51:52	98%	0.016	90.690	0.000	181300.000	128.300	125.100	127.600	17.810
3	16:53:01	94%	0.006	92.110	0.000	182200.000	128.500	126.700	123.900	17.470
X		95%	0.014	89.190	0.000	180900.000	127.400	125.300	125.800	17.300
?		2%	0.007	3.882	0.000	1583.000	1.724	1.334	1.816	0.623
%RSD		2	51.080	4.352	0.000	0.875	1.353	1.065	1.443	3.601

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:43	3290.000	-3.682	0.000	0.000	977.100	4215.000	4380.000	96%	0.537
2	16:51:52	3400.000	-3.014	0.000	0.000	974.900	4419.000	4465.000	100%	0.647
3	16:53:01	3384.000	0.097	0.000	0.000	989.000	4423.000	4444.000	96%	0.746
X		3358.000	-2.200	0.000	0.000	980.300	4352.000	4430.000	97%	0.643
?		59.390	2.017	0.000	0.000	7.607	118.900	44.270	3%	0.104
%RSD		1.769	91.680	0.000	0.000	0.776	2.732	0.999	3	16.200

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:43	0.722	7.480	17.870	100.600	15.330	115.400	125.100	0.352	9.177
2	16:51:52	-0.339	7.836	20.410	101.100	15.790	118.800	126.400	0.335	9.700
3	16:53:01	-0.176	7.660	21.500	101.600	15.410	117.200	127.900	0.351	9.702
X		0.069	7.658	19.930	101.100	15.510	117.100	126.500	0.346	9.526
?		0.571	0.178	1.862	0.488	0.244	1.744	1.402	0.010	0.302
%RSD		825.900	2.327	9.343	0.483	1.572	1.489	1.109	2.881	3.173

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:43	2.809	2.873	54.970	0.423	0.602	0.118	0.681	0.601	0.549
2	16:51:52	2.893	2.814	56.390	0.293	0.837	0.176	-0.261	0.838	-0.998
3	16:53:01	2.957	2.916	54.520	-0.591	0.117	0.300	-0.261	0.117	-1.182
X		2.886	2.868	55.290	0.042	0.519	0.198	0.053	0.519	-0.544
?		0.074	0.051	0.976	0.552	0.367	0.093	0.544	0.368	0.951
%RSD		2.570	1.792	1.765	1324.000	70.830	47.010	1024.000	70.910	174.900

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:43	60.460	60.180	0.996	0.961	2.372	5.066	4.419	4.713	4.819
2	16:51:52	61.370	61.300	0.975	0.920	2.299	5.065	4.435	4.887	5.169
3	16:53:01	61.140	60.380	0.879	0.852	2.312	5.079	4.369	4.783	4.939
X		60.990	60.620	0.950	0.911	2.328	5.070	4.408	4.794	4.976
?		0.474	0.595	0.063	0.055	0.039	0.007	0.035	0.088	0.178
%RSD		0.777	0.982	6.587	6.020	1.682	0.147	0.792	1.831	3.571

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:43	0.004	94%	0.244	0.169	-0.117	0.050	0.184	0.066	0.932
2	16:51:52	-0.002	96%	-1.031	0.181	0.777	0.276	0.155	-0.098	1.000
3	16:53:01	0.004	96%	0.199	0.173	-0.094	0.045	0.155	0.039	0.927
X		0.002	95%	-0.196	0.174	0.189	0.124	0.165	0.002	0.953
?		0.004	1%	0.724	0.006	0.510	0.132	0.017	0.088	0.041
%RSD		165.200	1	369.300	3.567	270.100	106.600	10.280	3551.000	4.258

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:50:43	0.086	7.493	7.190	100%	101%	0.023	0.023	3.139	3.254
2	16:51:52	0.099	7.611	7.411	101%	102%	0.018	0.019	3.247	3.295
3	16:53:01	0.084	7.296	7.455	101%	101%	0.016	0.030	3.275	3.302
X		0.089	7.467	7.352	101%	101%	0.019	0.024	3.220	3.284
?		0.008	0.159	0.142	0%	1%	0.003	0.006	0.072	0.026
%RSD		8.854	2.133	1.934	0	1	17.120	23.750	2.228	0.783

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	16:50:43	3.196	99%	0.012	0.005
2	16:51:52	3.299	100%	0.013	0.004
3	16:53:01	3.266	100%	0.011	0.005
X		3.254	100%	0.012	0.005
?		0.053	0%	0.001	0.001

%R3D	1.615	0	8.236	14.480

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:41	99%	-0.034	20.730	0.000	36350.000	23.530	23.640	23.620	2.087
2	16:59:50	92%	-0.037	21.690	0.000	36970.000	24.770	24.770	23.710	1.942
3	17:01:00	94%	-0.015	21.170	0.000	36970.000	24.520	25.600	24.020	2.140
X		95%	-0.029	21.190	0.000	36760.000	24.270	24.670	23.780	2.056
?		4%	0.012	0.481	0.000	357.800	0.656	0.982	0.212	0.102
%RSD		4	40.450	2.271	0.000	0.973	2.703	3.981	0.891	4.962

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:41	682.900	-3.706	0.000	0.000	46.180	806.900	838.100	101%	0.009
2	16:59:50	673.800	-2.436	0.000	0.000	55.620	841.800	840.100	97%	0.066
3	17:01:00	681.800	-4.035	0.000	0.000	57.180	836.500	857.500	96%	-0.031
X		679.500	-3.392	0.000	0.000	52.990	828.400	845.300	98%	0.015
?		4.972	0.845	0.000	0.000	5.954	18.830	10.650	3%	0.049
%RSD		0.732	24.900	0.000	0.000	11.230	2.273	1.260	3	330.100

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:41	0.407	0.077	-1.000	7.364	0.287	12.520	13.090	-0.006	-0.359
2	16:59:50	0.554	0.085	-0.233	6.637	0.361	12.660	13.790	-0.008	-0.361
3	17:01:00	0.083	0.081	0.471	8.827	0.348	13.350	12.760	-0.005	-0.386
X		0.348	0.081	-0.254	7.609	0.332	12.840	13.210	-0.006	-0.369
?		0.241	0.004	0.735	1.116	0.039	0.446	0.529	0.002	0.015
%RSD		69.310	4.700	289.500	14.660	11.860	3.474	4.000	25.990	4.051

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:41	0.144	0.112	1.333	0.204	0.485	-0.019	-0.054	0.484	-2.128
2	16:59:50	0.151	0.103	1.183	-0.231	0.268	0.038	0.932	0.267	-0.152
3	17:01:00	0.174	0.105	1.121	-0.275	0.067	0.041	0.454	0.067	-1.238
X		0.156	0.106	1.213	-0.101	0.273	0.020	0.444	0.273	-1.173
?		0.016	0.005	0.109	0.265	0.209	0.034	0.493	0.209	0.990
%RSD		10.050	4.267	8.984	263.500	76.430	169.900	111.100	76.380	84.420

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:41	11.610	12.000	0.195	0.167	0.419	1.008	0.878	1.020	1.059
2	16:59:50	12.280	12.180	0.184	0.178	0.482	0.965	0.833	1.093	1.146
3	17:01:00	12.160	12.070	0.188	0.254	0.457	1.104	0.896	1.097	0.940
X		12.010	12.080	0.189	0.200	0.453	1.025	0.869	1.070	1.048
?		0.357	0.091	0.005	0.047	0.032	0.071	0.033	0.044	0.104
%RSD		2.968	0.756	2.890	23.640	7.011	6.962	3.759	4.076	9.872

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:41	0.000	100%	0.093	0.106	-0.035	0.037	0.059	-0.038	0.011
2	16:59:50	0.006	97%	-0.215	0.088	0.155	0.044	0.076	-0.073	-0.004
3	17:01:00	0.000	97%	-1.613	0.093	0.933	-0.072	0.064	-0.158	0.006
X		0.002	98%	-0.578	0.096	0.351	0.003	0.066	-0.089	0.004
?		0.004	2%	0.909	0.009	0.513	0.065	0.009	0.061	0.008
%RSD		170.900	2	157.200	9.478	146.100	2245.000	13.430	68.700	181.200

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:58:41	0.023	1.388	1.382	103%	104%	-0.014	-0.007	-0.150	-0.116
2	16:59:50	0.033	1.381	1.349	101%	102%	-0.002	-0.007	-0.150	-0.140
3	17:01:00	0.025	1.219	1.421	101%	102%	-0.017	-0.015	-0.158	-0.134
X		0.027	1.329	1.384	102%	103%	-0.011	-0.010	-0.153	-0.130
?		0.005	0.096	0.036	1%	1%	0.008	0.004	0.004	0.012
%RSD		19.420	7.217	2.607	1	1	74.930	45.240	2.934	9.412

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	16:58:41	-0.134	103%	0.010	-0.000
2	16:59:50	-0.143	101%	0.013	-0.000
3	17:01:00	-0.142	102%	0.012	-0.001
X		-0.140	102%	0.012	-0.000
?		0.005	1%	0.002	0.000

%R3D	3.522	1	13.720	62.830

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:38	93%	491.500	479.800	0.000	48160.000	48180.000	49040.000	48710.000	9732.000
2	17:07:47	96%	478.600	483.500	0.000	48050.000	47960.000	48510.000	48540.000	9705.000
3	17:08:56	94%	488.900	498.900	0.000	48970.000	49370.000	49230.000	49010.000	9819.000
X		94%	486.400	487.400	0.000	48400.000	48500.000	48930.000	48750.000	9752.000
?		2%	6.832	10.160	0.000	503.300	758.900	371.500	238.400	59.850
%RSD		2	1.405	2.084	0.000	1.040	1.565	0.759	0.489	0.614

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:38	472.400	9738.000	0.000	0.000	24510.000	49180.000	49300.000	98%	498.700
2	17:07:47	482.600	9797.000	0.000	0.000	24500.000	49520.000	49150.000	98%	497.000
3	17:08:56	474.400	9831.000	0.000	0.000	24860.000	49750.000	50040.000	98%	507.300
X		476.400	9789.000	0.000	0.000	24620.000	49480.000	49490.000	98%	501.000
?		5.391	46.950	0.000	0.000	207.100	285.300	476.700	0%	5.525
%RSD		1.131	0.480	0.000	0.000	0.841	0.577	0.963	0	1.103

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:38	489.100	494.200	-13.520	24650.000	1011.000	24650.000	25460.000	498.200	505.400
2	17:07:47	493.200	497.800	-14.520	24790.000	1017.000	24720.000	25590.000	495.600	501.100
3	17:08:56	499.300	498.300	-16.620	25010.000	1027.000	24970.000	25700.000	502.600	504.600
X		493.900	496.800	-14.890	24820.000	1018.000	24780.000	25580.000	498.800	503.700
?		5.172	2.199	1.579	184.700	7.648	167.000	121.100	3.535	2.250
%RSD		1.047	0.443	10.610	0.744	0.751	0.674	0.474	0.709	0.447

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:38	996.400	988.500	992.800	488.500	497.800	-1.187	494.900	497.200	-0.481
2	17:07:47	1001.000	993.000	995.400	488.500	485.500	-0.995	501.700	485.100	0.114
3	17:08:56	1010.000	1000.000	1005.000	498.400	503.700	-1.752	503.900	503.400	-1.578
X		1002.000	993.900	997.700	491.800	495.700	-1.311	500.200	495.200	-0.648
?		6.923	5.971	6.396	5.739	9.303	0.394	4.678	9.292	0.858
%RSD		0.691	0.601	0.641	1.167	1.877	30.030	0.935	1.876	132.400

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:38	482.700	484.700	472.500	473.700	479.000	486.100	482.700	479.400	484.500
2	17:07:47	487.400	490.500	487.300	485.500	489.000	490.400	492.200	489.500	486.200
3	17:08:56	491.500	493.700	493.000	492.700	493.000	493.900	495.300	491.900	494.400
X		487.200	489.700	484.300	484.000	487.000	490.100	490.100	487.000	488.400
?		4.368	4.556	10.560	9.597	7.252	3.903	6.525	6.630	5.291
%RSD		0.896	0.930	2.180	1.983	1.489	0.796	1.331	1.362	1.083

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:38	0.004	97%	496.400	82.720	-27.100	486.800	76.020	491.400	483.600
2	17:07:47	0.012	97%	498.800	83.350	-21.690	499.200	76.980	493.200	491.700
3	17:08:56	0.006	97%	498.300	84.670	-19.320	502.900	77.580	495.200	490.300
X		0.008	97%	497.800	83.580	-22.700	496.300	76.860	493.300	488.500
?		0.004	0%	1.290	0.995	3.990	8.429	0.787	1.907	4.348
%RSD		56.190	0	0.259	1.190	17.580	1.698	1.024	0.387	0.890

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:06:38	480.800	2427.000	2443.000	102%	102%	488.400	489.400	492.900	492.900
2	17:07:47	488.900	2444.000	2472.000	101%	102%	490.900	492.400	492.400	498.300
3	17:08:56	490.300	2468.000	2483.000	101%	102%	489.700	492.100	494.900	499.900
X		486.700	2446.000	2466.000	101%	102%	489.700	491.300	493.400	497.000
?		5.109	20.730	20.650	0%	0%	1.282	1.664	1.339	3.675
%RSD		1.050	0.847	0.837	0	0	0.262	0.339	0.271	0.740

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	17:06:38	497.100	100%	489.000	492.200
2	17:07:47	498.900	100%	492.500	492.100
3	17:08:56	500.900	100%	492.500	492.200
X		499.000	100%	491.400	492.200
?		1.904	0%	2.030	0.038

%RSD	0.382	0	0.413	0.008

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	96%	0.055	10.350	0.000	-48.440	0.003	-0.266	0.163	-0.157
2	17:15:43	98%	0.066	8.178	0.000	-50.030	-0.122	-0.234	0.259	-0.216
3	17:16:52	94%	0.049	7.341	0.000	-25.230	5.797	5.631	6.380	1.032
X		96%	0.057	8.621	0.000	-41.230	1.893	1.710	2.267	0.220
?		2%	0.009	1.551	0.000	13.880	3.382	3.395	3.562	0.704
%RSD		2	15.190	17.990	0.000	33.670	178.600	198.500	157.100	320.500

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	-0.669	-1.818	0.000	0.000	-9.193	-4.677	-2.715	99%	-0.083
2	17:15:43	0.010	-2.295	0.000	0.000	-10.560	-0.569	-3.414	100%	-0.149
3	17:16:52	-0.036	0.440	0.000	0.000	0.047	10.440	0.764	97%	-0.032
X		-0.232	-1.225	0.000	0.000	-6.568	1.731	-1.788	98%	-0.088
?		0.380	1.461	0.000	0.000	5.770	7.816	2.238	2%	0.058
%RSD		163.900	119.300	0.000	0.000	87.840	451.600	125.200	2	66.120

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	0.419	-0.089	-14.320	-3.438	-0.300	-0.747	-2.682	0.019	0.219
2	17:15:43	0.402	-0.072	-14.610	-1.485	-0.304	-2.141	-0.287	0.004	0.251
3	17:16:52	-0.076	0.007	-13.900	1.128	-0.152	0.611	1.199	0.055	0.298
X		0.248	-0.051	-14.280	-1.265	-0.252	-0.759	-0.590	0.026	0.256
?		0.281	0.051	0.355	2.291	0.087	1.376	1.958	0.026	0.040
%RSD		113.300	99.600	2.490	181.100	34.340	181.200	332.100	100.900	15.530

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	-0.043	-0.091	-0.029	0.089	0.047	-0.094	0.523	0.047	-0.842
2	17:15:43	-0.083	-0.089	-0.221	0.035	-0.023	-0.096	0.487	-0.023	-0.927
3	17:16:52	0.017	0.059	-0.037	0.247	0.218	-0.117	0.562	0.218	-0.743
X		-0.036	-0.040	-0.096	0.124	0.081	-0.102	0.524	0.081	-0.837
?		0.050	0.086	0.109	0.110	0.124	0.013	0.038	0.124	0.092
%RSD		138.700	214.000	113.800	89.080	154.100	12.420	7.206	153.900	11.040

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	-0.084	0.011	0.478	0.305	0.510	0.738	0.751	0.727	0.761
2	17:15:43	-0.057	0.009	0.470	0.424	0.475	0.475	0.475	0.557	0.518
3	17:16:52	0.036	0.075	0.428	0.414	0.387	0.462	0.492	0.462	0.441
X		-0.035	0.032	0.459	0.381	0.457	0.559	0.573	0.582	0.573
?		0.063	0.037	0.027	0.066	0.064	0.156	0.155	0.134	0.167
%RSD		180.500	118.600	5.834	17.390	13.930	27.890	26.980	23.040	29.150

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	0.006	100%	0.165	0.649	0.047	0.261	0.622	-0.021	0.889
2	17:15:43	0.004	100%	-0.979	0.580	0.549	-0.075	0.610	-0.128	0.603
3	17:16:52	0.004	99%	0.068	0.587	-0.019	0.039	0.547	-0.026	0.508
X		0.005	100%	-0.249	0.606	0.192	0.075	0.593	-0.058	0.666
?		0.001	1%	0.634	0.038	0.311	0.171	0.040	0.060	0.198
%RSD		24.680	1	255.100	6.297	161.500	227.500	6.763	102.400	29.750

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:14:34	1.591	-0.023	0.039	101%	102%	0.114	0.106	-0.210	-0.179
2	17:15:43	1.184	0.017	0.032	101%	101%	0.074	0.086	-0.197	-0.179
3	17:16:52	0.932	0.368	0.305	101%	101%	0.163	0.156	-0.127	-0.117
X		1.236	0.121	0.125	101%	101%	0.117	0.116	-0.178	-0.158
?		0.333	0.215	0.156	0%	0%	0.045	0.036	0.045	0.035
%RSD		26.920	178.400	124.400	0	0	38.170	31.090	25.140	22.350

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	17:14:34	-0.192	103%	0.554	0.044
2	17:15:43	-0.189	103%	0.355	0.031
3	17:16:52	-0.123	102%	0.286	0.076
X		-0.168	103%	0.398	0.050
?		0.039	0%	0.139	0.023

[illegible]	23.070	0	34.900	46.240

Reviewed by jaswal
On 7/26/2012 11:43:57
Inst Inst Id :P6

D3485 -13 MH3BR3 07/25/2012 05:21:20 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:29	96%	0.014	132.100	0.000	864700.000	9155.000	9348.000	9475.000	8.847
2	17:23:38	100%	0.089	130.300	0.000	863600.000	9131.000	9436.000	9579.000	9.260
3	17:24:47	102%	0.041	139.800	0.000	865100.000	9174.000	9515.000	9633.000	9.152
X		99%	0.048	134.100	0.000	864400.000	9153.000	9433.000	9562.000	9.087
?		3%	0.038	5.010	0.000	755.900	21.540	83.100	80.530	0.214
%RSD		3	78.900	3.737	0.000	0.087	0.235	0.881	0.842	2.358

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:29	2601.000	-7.405	0.000	0.000	1526.000	228400.000	230000.000	96%	0.499
2	17:23:38	2614.000	-6.578	0.000	0.000	1506.000	227000.000	228100.000	101%	0.693
3	17:24:47	2642.000	-4.691	0.000	0.000	1515.000	229100.000	229100.000	102%	0.667
X		2619.000	-6.225	0.000	0.000	1516.000	228200.000	229000.000	100%	0.620
?		21.100	1.391	0.000	0.000	9.983	1070.000	920.600	3%	0.105
%RSD		0.805	22.350	0.000	0.000	0.659	0.469	0.402	3	16.980

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:29	0.910	1.306	-0.750	17.930	73.920	46.740	1046.000	-0.171	2.065
2	17:23:38	0.178	1.228	-0.010	16.700	74.650	48.190	1084.000	-0.202	1.906
3	17:24:47	0.407	1.309	-0.305	18.870	75.020	47.840	1107.000	-0.208	1.966
X		0.498	1.281	-0.355	17.830	74.530	47.590	1079.000	-0.193	1.979
?		0.375	0.046	0.373	1.091	0.557	0.755	30.980	0.020	0.081
%RSD		75.130	3.584	105.000	6.119	0.748	1.586	2.871	10.250	4.082

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:29	5.674	5.459	27.350	1.192	0.789	0.152	1.331	0.790	-1.853
2	17:23:38	5.657	5.670	27.170	1.158	1.150	0.185	0.982	1.153	-0.507
3	17:24:47	5.514	5.701	27.270	1.157	0.666	0.172	1.150	0.668	1.103
X		5.615	5.610	27.260	1.169	0.868	0.169	1.154	0.870	-0.419
?		0.088	0.132	0.087	0.020	0.251	0.017	0.175	0.253	1.480
%RSD		1.559	2.352	0.321	1.733	28.940	9.942	15.120	29.020	353.000

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:29	2158.000	2158.000	10.690	10.710	7.777	2.934	4.139	2.904	3.090
2	17:23:38	2129.000	2156.000	7.447	7.598	6.057	3.147	3.908	3.208	3.080
3	17:24:47	2135.000	2138.000	5.957	6.231	4.828	3.026	3.649	2.995	3.048
X		2141.000	2151.000	8.030	8.180	6.221	3.036	3.898	3.036	3.073
?		15.050	11.380	2.417	2.295	1.481	0.107	0.245	0.156	0.022
%RSD		0.703	0.529	30.100	28.060	23.810	3.531	6.287	5.145	0.713

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:29	0.000	91%	-3.329	1.819	2.752	1.334	1.706	-0.224	0.693
2	17:23:38	0.000	93%	-3.233	1.853	2.443	0.884	1.627	-0.219	0.685
3	17:24:47	0.009	94%	-2.965	1.797	2.439	1.167	1.712	-0.233	0.589
X		0.003	93%	-3.176	1.823	2.545	1.128	1.682	-0.225	0.656
?		0.005	2%	0.189	0.028	0.180	0.228	0.047	0.007	0.058
%RSD		163.800	2	5.943	1.554	7.053	20.160	2.802	3.191	8.798

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:29	0.336	5.262	5.096	99%	100%	0.593	0.592	0.736	0.756
2	17:23:38	0.331	5.296	5.236	102%	102%	0.313	0.335	0.739	0.714
3	17:24:47	0.288	5.153	5.069	102%	103%	0.232	0.236	0.671	0.748
X		0.318	5.237	5.133	101%	102%	0.379	0.388	0.716	0.739
?		0.026	0.075	0.090	2%	2%	0.190	0.184	0.039	0.022
%RSD		8.290	1.432	1.749	2	2	50.000	47.420	5.389	3.024

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	17:22:29	0.767	94%	0.179	0.178
2	17:23:38	0.746	96%	0.126	0.199
3	17:24:47	0.735	96%	0.125	0.184
X		0.749	95%	0.143	0.187
?		0.016	1%	0.031	0.011

[illegible]	2.128	1	21.660	5.924

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D3485-14 MH3BR4 07/25/2012 05:29:16 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:25	105%	0.011	72.300	0.000	307800.000	216.000	215.400	220.200	3.594
2	17:31:34	99%	0.044	75.100	0.000	315200.000	222.100	222.100	223.000	3.400
3	17:32:43	100%	0.080	77.180	0.000	318200.000	224.900	226.700	225.800	3.929
X		101%	0.045	74.860	0.000	313700.000	221.000	221.400	223.000	3.641
?		4%	0.035	2.450	0.000	5347.000	4.561	5.702	2.772	0.268
%RSD		4	76.430	3.273	0.000	1.704	2.064	2.575	1.243	7.349

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:25	3215.000	-12.050	0.000	0.000	469.600	28340.000	28220.000	104%	0.282
2	17:31:34	3257.000	-11.990	0.000	0.000	482.400	28240.000	28470.000	100%	0.667
3	17:32:43	3283.000	-12.460	0.000	0.000	486.200	28890.000	28750.000	100%	0.556
X		3251.000	-12.160	0.000	0.000	479.400	28490.000	28480.000	101%	0.502
?		34.460	0.255	0.000	0.000	8.692	349.100	263.100	2%	0.198
%RSD		1.060	2.093	0.000	0.000	1.813	1.226	0.924	2	39.470

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:25	0.288	0.357	6.055	164.800	7.376	182.100	300.700	-0.027	-1.358
2	17:31:34	-0.212	0.398	10.190	166.600	7.392	187.000	302.100	-0.008	-1.606
3	17:32:43	0.450	0.365	10.860	166.000	7.487	188.300	301.700	-0.011	-1.575
X		0.175	0.373	9.035	165.800	7.418	185.800	301.500	-0.016	-1.513
?		0.345	0.022	2.603	0.934	0.060	3.253	0.746	0.010	0.135
%RSD		196.600	5.939	28.810	0.563	0.807	1.751	0.248	66.740	8.915

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:25	0.842	0.911	4.678	0.240	0.436	0.173	-0.293	0.436	-0.329
2	17:31:34	0.911	0.922	4.996	-0.102	0.517	0.235	-0.134	0.517	0.458
3	17:32:43	0.956	0.951	4.521	0.380	0.840	0.187	0.408	0.840	-2.203
X		0.903	0.928	4.732	0.173	0.598	0.198	-0.007	0.598	-0.692
?		0.058	0.021	0.242	0.248	0.214	0.033	0.368	0.214	1.367
%RSD		6.373	2.224	5.114	143.500	35.790	16.560	5509.000	35.810	197.700

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:25	263.800	262.800	2.121	1.997	2.897	4.897	4.383	4.900	4.785
2	17:31:34	267.100	266.900	1.934	1.953	2.875	4.906	4.871	4.984	5.085
3	17:32:43	269.000	268.500	1.786	1.727	2.798	4.970	4.558	4.991	4.949
X		266.600	266.100	1.947	1.892	2.857	4.924	4.604	4.958	4.940
?		2.672	2.916	0.168	0.145	0.052	0.040	0.247	0.051	0.150
%RSD		1.002	1.096	8.626	7.656	1.818	0.818	5.366	1.025	3.037

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:25	0.002	99%	-0.143	1.399	0.235	0.265	1.352	-0.053	0.269
2	17:31:34	0.004	95%	0.286	1.379	-0.112	0.105	1.289	-0.005	0.242
3	17:32:43	0.000	96%	-0.459	1.367	0.562	0.508	1.184	-0.101	0.293
X		0.002	97%	-0.105	1.381	0.228	0.292	1.275	-0.053	0.268
?		0.002	2%	0.374	0.016	0.337	0.203	0.085	0.048	0.026
%RSD		98.480	2	355.200	1.192	147.700	69.380	6.631	90.100	9.596

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:25	0.184	6.611	6.793	103%	104%	0.111	0.109	-0.052	-0.022
2	17:31:34	0.146	6.839	6.689	101%	102%	0.068	0.070	-0.056	-0.011
3	17:32:43	0.154	6.541	6.650	102%	103%	0.079	0.060	-0.042	-0.038
X		0.161	6.664	6.711	102%	103%	0.086	0.079	-0.050	-0.024
?		0.020	0.155	0.074	1%	1%	0.022	0.026	0.007	0.014
%RSD		12.700	2.332	1.103	1	1	26.080	32.560	14.350	56.700

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	17:30:25	-0.037	100%	0.042	0.012
2	17:31:34	-0.033	99%	0.041	0.014
3	17:32:43	-0.047	100%	0.032	0.016
X		-0.039	99%	0.038	0.014
?		0.007	1%	0.005	0.002

[redacted]	18.330	1	13.810	15.630

[redacted]

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Int 7/26/2012 11:43:57
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D3485 -15 MH3BR5 07/25/2012 05:37:12 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:21	100%	0.003	83.860	0.000	343900.000	43.050	41.950	45.670	519.000
2	17:39:31	105%	0.039	80.420	0.000	341300.000	41.990	42.070	44.840	516.000
3	17:40:39	99%	0.032	77.420	0.000	347800.000	43.250	41.910	44.270	514.900
X		101%	0.024	80.570	0.000	344300.000	42.770	41.980	44.930	516.600
?		3%	0.019	3.222	0.000	3292.000	0.676	0.087	0.703	2.115
%RSD		3	78.950	3.999	0.000	0.956	1.580	0.207	1.564	0.409

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:21	3492.000	-1.105	0.000	0.000	23940.000	42240.000	41920.000	101%	0.963
2	17:39:31	3507.000	-3.226	0.000	0.000	23800.000	42160.000	41760.000	105%	1.241
3	17:40:39	3485.000	-4.174	0.000	0.000	24160.000	42160.000	41890.000	99%	1.122
X		3495.000	-2.835	0.000	0.000	23970.000	42190.000	41860.000	101%	1.109
?		11.260	1.571	0.000	0.000	180.200	46.410	83.450	3%	0.140
%RSD		0.322	55.420	0.000	0.000	0.752	0.110	0.199	3	12.600

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:21	0.632	1.737	15.730	329.600	5.753	353.900	526.400	0.033	5.756
2	17:39:31	1.105	1.703	17.670	327.600	5.679	352.500	525.100	0.017	5.618
3	17:40:39	0.765	1.844	20.590	333.000	5.783	351.000	521.000	0.036	6.023
X		0.834	1.762	17.990	330.100	5.739	352.500	524.200	0.028	5.799
?		0.244	0.074	2.448	2.754	0.054	1.496	2.829	0.010	0.206
%RSD		29.220	4.177	13.600	0.834	0.936	0.424	0.540	36.500	3.554

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:21	4.501	4.306	16.370	2.468	4.752	0.165	0.399	4.761	-2.995
2	17:39:31	4.783	4.366	16.470	2.165	4.413	0.210	0.496	4.428	-1.059
3	17:40:39	4.648	4.358	16.630	3.139	4.300	0.117	0.007	4.307	-0.122
X		4.644	4.343	16.490	2.590	4.488	0.164	0.301	4.498	-1.392
?		0.142	0.033	0.129	0.499	0.235	0.047	0.259	0.235	1.465
%RSD		3.047	0.754	0.785	19.250	5.244	28.440	85.970	5.226	105.300

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:21	1006.000	1016.000	2.814	2.698	3.544	4.922	4.689	5.318	5.087
2	17:39:31	1014.000	1013.000	2.446	2.324	3.488	5.280	4.932	5.199	5.380
3	17:40:39	1016.000	1020.000	2.180	2.416	3.088	5.406	5.053	5.465	5.416
X		1012.000	1016.000	2.480	2.479	3.374	5.202	4.891	5.327	5.294
?		5.013	3.188	0.319	0.195	0.249	0.251	0.186	0.133	0.180
%RSD		0.495	0.314	12.840	7.858	7.372	4.826	3.796	2.504	3.402

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:21	0.000	96%	-1.579	0.888	1.043	0.161	0.868	-0.151	0.325
2	17:39:31	0.002	98%	-2.072	0.835	1.305	0.098	0.778	-0.154	0.313
3	17:40:39	0.000	95%	-1.654	0.798	1.057	0.106	0.797	-0.130	0.345
X		0.001	96%	-1.768	0.840	1.135	0.122	0.814	-0.145	0.328
?		0.001	1%	0.266	0.045	0.147	0.034	0.047	0.013	0.016
%RSD		153.200	1	15.030	5.403	12.980	28.310	5.802	9.025	4.831

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:21	0.399	77.120	76.350	101%	102%	0.056	0.055	0.147	0.231
2	17:39:31	0.387	79.390	77.350	103%	104%	0.045	0.038	0.151	0.206
3	17:40:39	0.399	76.800	77.910	101%	102%	0.029	0.035	0.189	0.209
X		0.395	77.770	77.200	102%	102%	0.043	0.043	0.162	0.216
?		0.007	1.412	0.794	1%	1%	0.014	0.011	0.023	0.013
%RSD		1.773	1.815	1.029	1	1	31.810	24.560	14.370	6.242

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	17:38:21	0.199	98%	0.025	0.010
2	17:39:31	0.182	100%	0.026	0.007
3	17:40:39	0.194	98%	0.029	0.011
X		0.192	98%	0.027	0.009
?		0.009	1%	0.002	0.003

%R3D	4.624	1	7.634	26.860

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Reviewed by: jaswal
On 7/26/2012 11:43:57
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D3485-16 MH3BR6 07/25/2012 05:45:09 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:18	102%	0.005	85.730	0.000	312500.000	173.900	177.100	182.700	768.000
2	17:47:27	102%	0.013	93.040	0.000	315900.000	175.800	179.500	179.700	762.400
3	17:48:36	102%	0.021	91.570	0.000	314700.000	176.600	175.900	177.400	764.600
X		102%	0.013	90.110	0.000	314400.000	175.500	177.500	179.900	765.000
?		0%	0.008	3.864	0.000	1706.000	1.400	1.834	2.648	2.821
%RSD		0	60.750	4.288	0.000	0.543	0.798	1.033	1.472	0.369

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:18	3817.000	-1.176	0.000	0.000	12170.000	31530.000	31280.000	102%	4.375
2	17:47:27	3807.000	-2.209	0.000	0.000	12160.000	31100.000	31370.000	102%	3.908
3	17:48:36	3813.000	-2.868	0.000	0.000	12150.000	31160.000	31310.000	102%	3.545
X		3812.000	-2.084	0.000	0.000	12160.000	31260.000	31320.000	102%	3.942
?		5.227	0.853	0.000	0.000	10.720	232.400	44.600	0%	0.416
%RSD		0.137	40.920	0.000	0.000	0.088	0.743	0.142	0	10.550

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:18	1.841	5.170	18.550	1284.000	15.810	1256.000	1392.000	0.193	4.442
2	17:47:27	1.541	5.102	22.280	1281.000	15.890	1254.000	1393.000	0.223	4.555
3	17:48:36	1.728	4.925	23.380	1276.000	15.910	1251.000	1403.000	0.186	4.535
X		1.703	5.066	21.400	1280.000	15.870	1254.000	1396.000	0.201	4.511
?		0.151	0.127	2.528	3.993	0.050	2.355	6.090	0.020	0.060
%RSD		8.884	2.497	11.810	0.312	0.318	0.188	0.436	9.849	1.335

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:18	10.260	9.461	151.800	3.473	3.980	0.122	0.369	3.990	-1.204
2	17:47:27	9.924	9.624	152.100	3.370	4.480	0.187	-0.168	4.489	-2.917
3	17:48:36	10.090	9.414	150.300	3.302	4.533	0.182	-0.173	4.540	-1.437
X		10.090	9.500	151.400	3.381	4.331	0.164	0.009	4.340	-1.853
?		0.167	0.110	0.941	0.086	0.305	0.036	0.311	0.304	0.929
%RSD		1.651	1.159	0.622	2.548	7.037	21.960	3295.000	7.009	50.140

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:18	658.700	658.000	1.641	1.485	1.453	1.092	1.201	1.076	1.104
2	17:47:27	654.100	659.700	1.540	1.505	1.325	1.069	1.082	1.095	1.037
3	17:48:36	654.800	653.700	1.376	1.362	1.327	1.107	1.061	1.039	1.044
X		655.900	657.100	1.519	1.451	1.369	1.089	1.115	1.070	1.062
?		2.478	3.113	0.134	0.077	0.073	0.019	0.075	0.028	0.037
%RSD		0.378	0.474	8.801	5.323	5.364	1.759	6.772	2.654	3.440

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:18	0.002	96%	-0.080	0.494	0.268	0.390	0.414	-0.046	0.329
2	17:47:27	0.008	97%	-0.761	0.480	0.644	0.330	0.421	-0.076	0.299
3	17:48:36	0.004	98%	-1.889	0.443	1.258	0.212	0.424	-0.141	0.386
X		0.005	97%	-0.910	0.472	0.723	0.311	0.420	-0.088	0.338
?		0.003	1%	0.914	0.027	0.500	0.090	0.005	0.049	0.045
%RSD		64.750	1	100.400	5.657	69.150	29.110	1.192	55.400	13.180

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:46:18	0.489	133.200	135.700	101%	102%	0.048	0.040	0.624	0.687
2	17:47:27	0.435	136.200	135.600	101%	102%	0.017	0.028	0.608	0.625
3	17:48:36	0.459	133.000	133.700	102%	102%	0.018	0.014	0.561	0.561
X		0.461	134.100	135.000	102%	102%	0.028	0.027	0.598	0.624
?		0.027	1.810	1.137	0%	0%	0.018	0.013	0.033	0.063
%RSD		5.783	1.350	0.842	0	0	62.830	48.590	5.527	10.120

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	17:46:18	0.641	98%	0.052	0.026
2	17:47:27	0.623	98%	0.059	0.023
3	17:48:36	0.582	99%	0.067	0.031
X		0.615	99%	0.059	0.026
?		0.030	0%	0.007	0.004

%RSD	4.946	0	12.140	16.490

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:15	105%	-0.016	112.300	0.000	218400.000	161.100	165.000	166.800	253.000
2	17:55:23	105%	0.011	117.200	0.000	220500.000	162.800	162.900	166.000	253.400
3	17:56:33	105%	-0.024	108.100	0.000	213900.000	156.500	155.900	157.600	240.100
X		105%	-0.009	112.600	0.000	217600.000	160.100	161.300	163.400	248.900
?		0%	0.018	4.554	0.000	3405.000	3.272	4.762	5.106	7.547
%RSD		0	196.900	4.046	0.000	1.565	2.044	2.952	3.124	3.033

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:15	7595.000	-8.119	0.000	0.000	13710.000	8608.000	8585.000	105%	1.436
2	17:55:23	7711.000	-7.407	0.000	0.000	13900.000	8729.000	8709.000	105%	1.939
3	17:56:33	7302.000	-7.920	0.000	0.000	13490.000	8196.000	8456.000	103%	1.786
X		7536.000	-7.815	0.000	0.000	13700.000	8511.000	8583.000	104%	1.720
?		210.900	0.367	0.000	0.000	206.200	279.600	126.600	1%	0.258
%RSD		2.799	4.697	0.000	0.000	1.505	3.285	1.474	1	14.990

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:15	1.381	0.639	17.760	37.820	2.301	52.470	89.850	0.032	-1.251
2	17:55:23	0.532	0.586	21.450	41.510	2.365	53.370	87.740	0.018	-1.075
3	17:56:33	0.104	0.667	22.680	34.880	2.154	50.480	85.980	0.014	-1.174
X		0.672	0.630	20.630	38.070	2.273	52.110	87.850	0.021	-1.167
?		0.650	0.041	2.560	3.320	0.108	1.474	1.940	0.009	0.088
%RSD		96.630	6.509	12.410	8.722	4.740	2.830	2.208	43.600	7.554

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:15	0.628	0.550	7.009	0.540	0.818	0.214	-0.229	0.819	-1.871
2	17:55:23	0.679	0.495	7.388	0.675	0.983	0.208	-0.298	0.985	-2.189
3	17:56:33	0.550	0.511	7.193	0.176	0.413	0.285	0.057	0.413	0.521
X		0.619	0.518	7.197	0.464	0.738	0.236	-0.157	0.739	-1.180
?		0.065	0.028	0.190	0.259	0.293	0.043	0.188	0.294	1.482
%RSD		10.430	5.441	2.634	55.710	39.760	18.090	120.300	39.820	125.600

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:15	261.500	264.500	2.080	2.124	4.166	7.812	6.902	7.982	8.049
2	17:55:23	267.300	266.700	1.953	1.939	3.944	7.784	6.917	8.112	8.015
3	17:56:33	255.900	259.300	1.713	1.661	3.739	7.859	6.770	7.480	7.881
X		261.600	263.500	1.915	1.908	3.950	7.818	6.863	7.858	7.982
?		5.718	3.804	0.186	0.233	0.214	0.038	0.081	0.334	0.089
%RSD		2.186	1.444	9.723	12.220	5.416	0.488	1.174	4.249	1.111

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:15	0.002	99%	0.464	0.266	-0.194	0.151	0.249	0.016	0.234
2	17:55:23	0.002	99%	1.071	0.203	-0.436	0.374	0.207	0.004	0.246
3	17:56:33	0.004	97%	-0.353	0.230	0.238	0.042	0.201	-0.056	0.236
X		0.003	99%	0.394	0.233	-0.131	0.189	0.219	-0.012	0.239
?		0.001	1%	0.715	0.032	0.341	0.169	0.026	0.039	0.007
%RSD		44.830	1	181.500	13.600	261.100	89.430	11.980	322.100	2.726

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:54:15	0.102	19.250	19.220	103%	103%	0.022	0.020	0.153	0.173
2	17:55:23	0.124	19.980	19.230	103%	104%	0.010	0.007	0.153	0.148
3	17:56:33	0.092	18.640	18.480	103%	104%	0.012	0.012	0.161	0.159
X		0.106	19.290	18.980	103%	104%	0.015	0.013	0.156	0.160
?		0.017	0.671	0.431	0%	0%	0.007	0.007	0.005	0.012
%RSD		15.830	3.477	2.273	0	0	45.490	51.060	3.090	7.788

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	17:54:15	0.185	100%	0.033	0.047
2	17:55:23	0.161	100%	0.032	0.040
3	17:56:33	0.157	101%	0.025	0.042
X		0.168	100%	0.030	0.043
?		0.015	1%	0.004	0.004

%R3D	9.116	1	14.060	8.810

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:12	96%	-0.003	115.100	0.000	235500.000	142.300	143.900	142.700	215.400
2	18:03:21	95%	-0.007	119.000	0.000	237600.000	141.600	145.800	142.100	216.900
3	18:04:30	99%	-0.022	118.300	0.000	235900.000	142.500	141.100	140.900	218.600
X		97%	-0.011	117.500	0.000	236400.000	142.100	143.600	141.900	217.000
?		2%	0.010	2.089	0.000	1076.000	0.448	2.360	0.926	1.585
%RSD		2	88.210	1.778	0.000	0.455	0.315	1.644	0.652	0.730

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:12	7814.000	-8.624	0.000	0.000	14610.000	8894.000	8949.000	98%	1.175
2	18:03:21	7906.000	-4.786	0.000	0.000	14740.000	9024.000	9048.000	97%	1.037
3	18:04:30	7936.000	-7.874	0.000	0.000	14770.000	9034.000	8971.000	100%	1.001
X		7885.000	-7.095	0.000	0.000	14710.000	8984.000	8989.000	98%	1.071
?		63.610	2.034	0.000	0.000	85.760	78.230	52.010	2%	0.092
%RSD		0.807	28.670	0.000	0.000	0.583	0.871	0.579	2	8.570

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:12	0.302	1.002	23.410	7.935	1.173	24.300	58.490	0.024	-0.897
2	18:03:21	0.074	0.983	26.110	8.199	1.312	25.280	62.520	0.016	-1.272
3	18:04:30	1.061	1.019	25.130	7.273	1.213	23.880	61.540	0.029	-0.959
X		0.479	1.001	24.880	7.802	1.233	24.490	60.850	0.023	-1.042
?		0.517	0.018	1.369	0.477	0.072	0.722	2.103	0.007	0.201
%RSD		107.900	1.795	5.501	6.116	5.806	2.947	3.456	29.060	19.290

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:12	0.693	0.568	6.723	0.863	0.726	0.219	0.810	0.727	0.982
2	18:03:21	0.743	0.659	6.988	0.289	0.880	0.337	0.213	0.880	0.355
3	18:04:30	0.707	0.534	6.610	0.349	1.362	0.309	0.344	1.363	-1.273
X		0.714	0.587	6.774	0.501	0.990	0.288	0.455	0.990	0.021
?		0.026	0.065	0.194	0.315	0.332	0.062	0.314	0.332	1.164
%RSD		3.623	11.010	2.866	62.980	33.520	21.510	68.910	33.560	5475.000

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:12	279.900	280.500	1.876	1.664	3.770	7.805	7.071	8.054	8.048
2	18:03:21	277.900	281.800	1.666	1.598	3.757	7.833	7.212	7.948	7.945
3	18:04:30	281.700	281.100	1.431	1.344	3.616	8.062	6.820	7.893	7.990
X		279.900	281.100	1.658	1.535	3.714	7.900	7.034	7.965	7.994
?		1.880	0.659	0.223	0.169	0.085	0.141	0.199	0.082	0.052
%RSD		0.672	0.234	13.450	10.980	2.293	1.785	2.823	1.025	0.650

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:12	0.011	94%	0.774	0.154	-0.502	-0.068	0.143	-0.029	0.430
2	18:03:21	0.000	94%	-1.379	0.175	0.893	0.110	0.158	-0.143	0.409
3	18:04:30	0.004	96%	1.112	0.161	-0.449	0.393	0.160	0.025	0.438
X		0.005	94%	0.169	0.163	-0.019	0.145	0.154	-0.049	0.426
?		0.005	1%	1.351	0.011	0.791	0.233	0.009	0.085	0.015
%RSD		106.400	1	798.500	6.682	4102.000	160.200	6.053	174.200	3.481

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:02:12	0.106	19.150	19.700	100%	100%	0.022	0.008	0.126	0.183
2	18:03:21	0.077	19.630	19.640	100%	101%	0.006	0.004	0.149	0.173
3	18:04:30	0.115	20.040	19.600	101%	102%	0.010	0.004	0.142	0.161
X		0.099	19.610	19.650	101%	101%	0.013	0.005	0.139	0.172
?		0.020	0.444	0.051	1%	1%	0.009	0.002	0.012	0.011
%RSD		20.090	2.267	0.262	1	1	69.590	34.400	8.505	6.303

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	18:02:12	0.146	98%	0.023	0.041
2	18:03:21	0.148	99%	0.019	0.043
3	18:04:30	0.156	100%	0.023	0.044
X		0.150	99%	0.021	0.043
?		0.006	1%	0.002	0.002

%R3D	3.851	1	10.820	3.746

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D3485-18S MH3BR8S 07/25/2012 06:09:01 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:10	98%	41.480	118.600	0.000	230500.000	164.700	165.900	162.800	1912.000
2	18:11:19	101%	41.340	121.700	0.000	232200.000	166.000	163.500	165.900	1946.000
3	18:12:28	100%	41.520	116.400	0.000	227100.000	161.500	157.400	163.700	1868.000
X		100%	41.450	118.900	0.000	229900.000	164.100	162.300	164.100	1909.000
?		1%	0.093	2.670	0.000	2582.000	2.325	4.408	1.607	38.960
%RSD		1	0.225	2.245	0.000	1.123	1.417	2.716	0.979	2.041

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:10	7704.000	0.805	0.000	0.000	15140.000	9043.000	9119.000	100%	1.323
2	18:11:19	7805.000	0.013	0.000	0.000	15200.000	9338.000	9212.000	102%	1.264
3	18:12:28	7582.000	-3.091	0.000	0.000	14850.000	8882.000	8986.000	102%	1.628
X		7697.000	-0.758	0.000	0.000	15060.000	9088.000	9106.000	101%	1.405
?		111.600	2.059	0.000	0.000	184.700	231.600	113.200	1%	0.196
%RSD		1.449	271.700	0.000	0.000	1.226	2.549	1.243	1	13.940

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:10	419.400	174.200	15.540	952.200	441.600	969.100	958.200	425.400	432.300
2	18:11:19	423.700	176.100	16.720	946.400	445.900	982.000	970.400	429.400	432.700
3	18:12:28	412.700	170.100	15.770	921.200	429.400	939.800	925.700	414.300	421.000
X		418.600	173.500	16.010	939.900	439.000	963.600	951.400	423.000	428.700
?		5.529	3.097	0.623	16.460	8.570	21.640	23.080	7.836	6.646
%RSD		1.321	1.785	3.889	1.751	1.952	2.245	2.426	1.852	1.551

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:10	214.100	212.400	499.600	35.650	82.580	0.210	83.400	82.730	0.142
2	18:11:19	213.300	214.500	502.500	36.080	84.950	0.186	85.210	85.110	1.030
3	18:12:28	208.300	207.900	484.800	34.320	81.310	0.153	80.300	81.450	-2.769
X		211.900	211.600	495.600	35.350	82.950	0.183	82.970	83.100	-0.532
?		3.164	3.359	9.461	0.915	1.845	0.029	2.478	1.856	1.987
%RSD		1.493	1.587	1.909	2.588	2.225	15.660	2.987	2.233	373.100

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:10	275.700	274.100	1.358	1.389	2.719	5.732	5.365	5.767	5.868
2	18:11:19	274.600	276.300	1.216	1.373	2.929	6.289	5.665	5.893	6.140
3	18:12:28	265.300	265.100	1.153	1.249	2.817	6.034	5.308	6.159	6.351
X		271.900	271.800	1.242	1.337	2.822	6.018	5.446	5.940	6.120
?		5.729	5.938	0.105	0.077	0.105	0.279	0.192	0.200	0.242
%RSD		2.107	2.184	8.465	5.741	3.718	4.637	3.517	3.373	3.958

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:10	-0.002	96%	35.100	33.280	-0.012	37.820	30.930	43.130	0.976
2	18:11:19	0.002	97%	34.430	33.570	0.902	38.730	31.600	43.570	0.918
3	18:12:28	0.012	97%	35.290	32.970	-0.448	37.240	30.600	42.470	1.002
X		0.004	97%	34.940	33.280	0.147	37.930	31.040	43.060	0.966
?		0.007	1%	0.453	0.300	0.689	0.752	0.509	0.553	0.043
%RSD		178.100	1	1.295	0.902	467.800	1.983	1.639	1.283	4.465

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:10:10	85.340	1676.000	1685.000	101%	102%	42.770	43.700	22.260	22.220
2	18:11:19	84.940	1700.000	1700.000	103%	104%	42.060	44.030	22.250	22.420
3	18:12:28	82.680	1648.000	1640.000	104%	104%	41.220	42.410	21.640	21.720
X		84.320	1675.000	1675.000	103%	103%	42.020	43.380	22.050	22.120
?		1.434	26.090	31.230	1%	1%	0.774	0.854	0.355	0.361
%RSD		1.701	1.557	1.865	1	1	1.841	1.967	1.608	1.631

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	18:10:10	22.330	99%	0.021	0.049
2	18:11:19	22.330	101%	0.022	0.041
3	18:12:28	21.600	102%	0.021	0.041
X		22.090	101%	0.022	0.043
?		0.421	2%	0.001	0.005

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%R3D	1.906	1	2.712	10.720

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:08	95%	-0.020	97.030	0.000	232400.000	177.200	173.000	176.900	106.700
2	18:19:17	96%	0.039	103.200	0.000	232700.000	178.000	178.900	177.700	106.200
3	18:20:26	96%	0.030	103.100	0.000	231800.000	177.200	178.900	178.200	105.800
X		95%	0.017	101.100	0.000	232300.000	177.500	176.900	177.600	106.200
?		1%	0.032	3.538	0.000	452.900	0.434	3.430	0.651	0.458
%RSD		1	192.100	3.499	0.000	0.195	0.244	1.939	0.366	0.431

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:08	5118.000	-9.450	0.000	0.000	11370.000	8835.000	8802.000	97%	0.557
2	18:19:17	5093.000	-10.740	0.000	0.000	11440.000	8924.000	8831.000	97%	0.909
3	18:20:26	5102.000	-11.250	0.000	0.000	11450.000	8837.000	8919.000	97%	0.676
X		5104.000	-10.480	0.000	0.000	11420.000	8865.000	8851.000	97%	0.714
?		12.870	0.927	0.000	0.000	43.710	51.070	61.210	0%	0.179
%RSD		0.252	8.843	0.000	0.000	0.383	0.576	0.692	0	25.060

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:08	-0.415	1.766	20.540	0.695	1.483	15.880	49.490	0.136	-0.205
2	18:19:17	0.167	1.802	22.750	0.933	1.382	16.760	50.940	0.116	-0.438
3	18:20:26	0.770	1.799	22.000	0.104	1.443	17.150	56.910	0.191	-0.345
X		0.174	1.789	21.760	0.577	1.436	16.600	52.450	0.148	-0.329
?		0.593	0.020	1.123	0.427	0.051	0.646	3.935	0.039	0.117
%RSD		341.400	1.129	5.161	73.990	3.559	3.893	7.502	26.270	35.560

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:08	0.690	0.615	6.092	0.476	0.828	0.231	0.274	0.828	0.182
2	18:19:17	0.612	0.632	6.823	0.218	0.905	0.270	-0.011	0.904	-1.727
3	18:20:26	0.731	0.735	6.604	0.413	1.386	0.260	0.543	1.386	-1.106
X		0.678	0.661	6.506	0.369	1.040	0.254	0.269	1.040	-0.884
?		0.061	0.065	0.375	0.134	0.303	0.020	0.277	0.302	0.974
%RSD		8.929	9.816	5.762	36.430	29.120	7.898	103.200	29.100	110.100

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:08	252.300	254.500	0.939	0.991	2.712	6.246	5.781	6.398	6.522
2	18:19:17	250.300	252.500	0.819	0.886	2.635	6.272	5.380	6.100	6.536
3	18:20:26	254.600	254.800	0.835	0.867	2.786	6.597	5.788	6.465	6.570
X		252.400	253.900	0.865	0.915	2.711	6.372	5.649	6.321	6.543
?		2.148	1.252	0.065	0.067	0.075	0.196	0.234	0.194	0.025
%RSD		0.851	0.493	7.546	7.298	2.781	3.068	4.134	3.075	0.379

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:08	0.000	94%	-0.169	0.197	0.099	-0.009	0.212	0.005	0.186
2	18:19:17	-0.002	94%	-0.200	0.181	0.281	0.284	0.166	0.016	0.187
3	18:20:26	0.004	95%	-0.757	0.147	0.420	-0.069	0.157	-0.008	0.205
X		0.001	94%	-0.376	0.175	0.266	0.069	0.178	0.004	0.193
?		0.003	0%	0.331	0.026	0.161	0.189	0.030	0.012	0.011
%RSD		393.100	0	88.140	14.720	60.360	274.400	16.560	267.300	5.672

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:18:08	0.134	18.920	18.660	101%	101%	0.026	0.017	0.296	0.274
2	18:19:17	0.118	18.650	18.620	101%	103%	0.008	0.003	0.226	0.299
3	18:20:26	0.122	18.980	18.970	101%	102%	0.017	0.019	0.258	0.265
X		0.125	18.850	18.750	101%	102%	0.017	0.013	0.260	0.279
?		0.008	0.175	0.188	1%	1%	0.009	0.008	0.035	0.018
%RSD		6.697	0.930	1.002	1	1	52.320	64.250	13.350	6.422

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	18:18:08	0.291	99%	0.018	0.041
2	18:19:17	0.263	100%	0.012	0.044
3	18:20:26	0.279	100%	0.010	0.045
X		0.278	100%	0.014	0.044
?		0.014	1%	0.004	0.002

%R3D	4.951	1	29.520	4.812

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:06	102%	0.034	6.048	0.000	325.100	39.780	38.160	40.860	4.209
2	18:27:15	103%	0.032	6.013	0.000	315.400	39.750	38.970	40.530	4.392
3	18:28:24	97%	-0.004	4.366	0.000	367.500	41.070	39.790	40.620	4.268
X		101%	0.021	5.476	0.000	336.000	40.200	38.980	40.670	4.290
?		3%	0.021	0.961	0.000	27.690	0.754	0.816	0.171	0.093
%RSD		3	104.000	17.560	0.000	8.242	1.876	2.092	0.421	2.173

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:06	6.986	-11.100	0.000	0.000	78.860	345.200	352.300	100%	0.059
2	18:27:15	7.378	-8.625	0.000	0.000	74.890	363.600	352.500	100%	0.153
3	18:28:24	9.565	-10.330	0.000	0.000	86.480	334.500	368.900	97%	0.083
X		7.976	-10.020	0.000	0.000	80.080	347.800	357.900	99%	0.098
?		1.390	1.266	0.000	0.000	5.888	14.720	9.516	2%	0.049
%RSD		17.420	12.630	0.000	0.000	7.353	4.233	2.659	2	49.580

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:06	-0.294	0.966	19.280	-2.794	0.458	13.580	14.380	0.058	-1.288
2	18:27:15	-0.663	0.984	22.710	-1.398	0.453	13.410	12.540	0.040	-1.304
3	18:28:24	-0.493	0.928	25.070	-2.290	0.496	13.780	12.000	0.063	-1.366
X		-0.483	0.959	22.350	-2.161	0.469	13.590	12.970	0.053	-1.320
?		0.185	0.028	2.913	0.707	0.023	0.185	1.248	0.012	0.041
%RSD		38.230	2.948	13.030	32.720	5.002	1.359	9.617	22.960	3.117

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:06	1.039	1.107	5.163	-0.344	0.122	0.227	0.340	0.121	-0.760
2	18:27:15	1.054	1.125	5.054	0.353	0.291	0.150	0.675	0.291	-1.736
3	18:28:24	1.167	1.192	5.497	-0.209	0.118	0.217	0.234	0.118	0.238
X		1.087	1.141	5.238	-0.067	0.177	0.198	0.417	0.177	-0.753
?		0.070	0.045	0.231	0.370	0.099	0.042	0.230	0.099	0.987
%RSD		6.453	3.939	4.405	555.100	55.870	21.230	55.300	55.820	131.100

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:06	0.794	0.872	0.081	0.089	0.094	0.109	0.098	0.122	0.098
2	18:27:15	0.789	0.819	0.092	0.105	0.110	0.125	0.085	0.143	0.104
3	18:28:24	0.963	0.845	0.107	0.073	0.097	0.099	0.096	0.077	0.096
X		0.849	0.845	0.093	0.089	0.100	0.111	0.093	0.114	0.099
?		0.099	0.027	0.013	0.016	0.009	0.013	0.007	0.034	0.004
%RSD		11.680	3.162	13.800	17.870	8.555	11.770	7.280	29.440	3.925

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:06	-0.002	100%	0.058	0.136	-0.076	-0.075	0.114	0.003	0.149
2	18:27:15	0.006	101%	1.056	0.129	-0.649	-0.021	0.119	0.143	0.102
3	18:28:24	0.002	98%	0.128	0.110	-0.180	-0.186	0.114	0.033	0.124
X		0.002	100%	0.414	0.125	-0.302	-0.094	0.116	0.060	0.125
?		0.004	2%	0.557	0.014	0.305	0.084	0.003	0.074	0.024
%RSD		198.000	2	134.600	10.850	101.000	89.390	2.723	123.300	19.170

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:26:06	0.075	1.078	1.142	103%	103%	-0.001	0.000	0.224	0.249
2	18:27:15	0.072	1.125	1.103	103%	103%	-0.011	-0.001	0.208	0.216
3	18:28:24	0.089	1.215	1.026	100%	101%	-0.004	-0.001	0.246	0.231
X		0.079	1.139	1.090	102%	103%	-0.006	-0.000	0.226	0.232
?		0.009	0.069	0.059	1%	1%	0.005	0.001	0.019	0.016
%RSD		11.360	6.091	5.390	1	1	91.470	197.200	8.503	7.021

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	18:26:06	0.231	105%	0.003	0.001
2	18:27:15	0.212	106%	0.003	0.003
3	18:28:24	0.233	104%	0.003	0.002
X		0.226	105%	0.003	0.002
?		0.012	1%	0.000	0.001

[illegible]	5.225	1	13.150	33.090

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:06	101%	-0.010	3.188	0.000	309.100	42.900	42.010	42.770	10.360
2	18:35:15	97%	-0.012	4.139	0.000	324.900	43.690	43.860	43.140	10.320
3	18:36:24	99%	0.020	3.138	0.000	323.400	41.890	42.870	41.240	9.938
X		99%	-0.001	3.488	0.000	319.100	42.830	42.920	42.380	10.210
?		2%	0.018	0.564	0.000	8.705	0.903	0.926	1.006	0.233
%RSD		2	2362.000	16.180	0.000	2.728	2.108	2.157	2.373	2.281

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:06	6.126	-7.321	0.000	0.000	151.000	469.100	518.700	98%	0.129
2	18:35:15	8.049	-7.983	0.000	0.000	155.700	561.200	536.500	96%	0.386
3	18:36:24	7.676	-5.587	0.000	0.000	148.100	498.900	507.700	97%	0.097
X		7.283	-6.964	0.000	0.000	151.600	509.700	521.000	97%	0.204
?		1.020	1.237	0.000	0.000	3.852	46.960	14.540	1%	0.158
%RSD		14.000	17.760	0.000	0.000	2.541	9.213	2.791	1	77.480

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:06	-1.190	13.250	26.740	89.570	5.551	107.000	104.000	0.306	13.780
2	18:35:15	0.019	13.690	28.760	89.430	5.889	109.100	108.100	0.298	13.610
3	18:36:24	-0.692	13.260	30.520	90.530	5.612	104.500	103.900	0.296	13.020
X		-0.621	13.400	28.670	89.840	5.684	106.900	105.300	0.300	13.470
?		0.608	0.250	1.893	0.598	0.180	2.291	2.367	0.005	0.400
%RSD		97.830	1.862	6.601	0.665	3.163	2.143	2.248	1.773	2.969

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:06	1.792	1.818	22.650	0.181	0.391	0.176	0.067	0.390	-2.620
2	18:35:15	1.695	1.872	23.370	0.520	-0.084	0.150	-0.107	-0.084	-1.372
3	18:36:24	1.615	1.726	22.380	0.032	0.441	0.224	-0.007	0.440	-1.992
X		1.701	1.805	22.800	0.245	0.249	0.183	-0.016	0.249	-1.995
?		0.089	0.074	0.511	0.250	0.290	0.038	0.087	0.289	0.624
%RSD		5.229	4.087	2.241	102.200	116.300	20.660	560.800	116.200	31.310

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:06	0.937	0.931	0.092	0.090	0.092	0.113	0.106	0.138	0.157
2	18:35:15	0.951	0.890	0.090	0.083	0.116	0.134	0.128	0.132	0.123
3	18:36:24	0.817	0.897	0.079	0.090	0.080	0.110	0.114	0.148	0.143
X		0.902	0.906	0.087	0.088	0.096	0.119	0.116	0.139	0.141
?		0.074	0.022	0.007	0.004	0.018	0.013	0.011	0.008	0.017
%RSD		8.162	2.447	7.935	4.566	19.120	10.940	9.633	5.740	11.930

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:06	0.004	99%	-0.491	0.093	0.349	0.094	0.091	-0.027	0.713
2	18:35:15	0.004	97%	-0.194	0.092	0.078	-0.071	0.083	0.025	0.676
3	18:36:24	0.002	99%	1.328	0.105	-0.716	0.151	0.089	0.070	0.688
X		0.003	98%	0.214	0.096	-0.096	0.058	0.088	0.023	0.692
?		0.001	1%	0.976	0.007	0.554	0.116	0.004	0.049	0.019
%RSD		35.050	1	455.200	7.726	575.400	199.300	4.778	217.500	2.758

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:34:06	0.070	1.120	1.107	101%	102%	0.014	0.007	0.950	0.968
2	18:35:15	0.069	1.037	1.049	100%	101%	0.005	0.003	0.924	0.981
3	18:36:24	0.072	1.153	1.086	102%	103%	0.007	0.003	0.875	0.931
X		0.070	1.103	1.081	101%	102%	0.009	0.004	0.916	0.960
?		0.002	0.060	0.029	1%	1%	0.005	0.002	0.038	0.026
%RSD		2.141	5.428	2.722	1	1	54.200	55.030	4.172	2.677

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	18:34:06	0.950	104%	0.005	0.003
2	18:35:15	0.950	103%	0.002	0.005
3	18:36:24	0.905	105%	0.004	0.005
X		0.935	104%	0.004	0.004
?		0.026	1%	0.001	0.001

%RSD	2.761	1	40.580	20.810

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Out 7/26/2012 11:43:57
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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:03	97%	480.200	480.400	0.000	47910.000	48210.000	48430.000	48700.000	9726.000
2	18:43:12	98%	485.000	471.300	0.000	48110.000	48300.000	48630.000	48980.000	9754.000
3	18:44:21	107%	483.800	481.400	0.000	47440.000	47490.000	48220.000	49030.000	9883.000
X		101%	483.000	477.700	0.000	47820.000	48000.000	48430.000	48900.000	9788.000
?		6%	2.490	5.560	0.000	342.600	445.400	204.600	176.100	83.750
%RSD		6	0.516	1.164	0.000	0.717	0.928	0.423	0.360	0.856

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:03	471.800	9858.000	0.000	0.000	24740.000	50090.000	50340.000	96%	507.400
2	18:43:12	482.400	9867.000	0.000	0.000	24830.000	50200.000	49950.000	98%	506.300
3	18:44:21	472.100	10080.000	0.000	0.000	24630.000	49940.000	49470.000	104%	501.100
X		475.400	9934.000	0.000	0.000	24730.000	50080.000	49920.000	99%	504.900
?		6.042	123.800	0.000	0.000	102.700	131.200	436.000	4%	3.365
%RSD		1.271	1.246	0.000	0.000	0.415	0.262	0.874	4	0.666

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:03	501.500	502.200	-11.590	25210.000	1039.000	25140.000	25830.000	506.200	507.000
2	18:43:12	497.200	500.900	-11.140	25260.000	1036.000	25150.000	26080.000	511.800	515.600
3	18:44:21	505.000	507.900	-9.449	25420.000	1011.000	25660.000	26200.000	513.900	518.300
X		501.200	503.700	-10.730	25290.000	1029.000	25320.000	26040.000	510.600	513.700
?		3.903	3.737	1.129	110.600	15.300	298.900	187.300	3.995	5.886
%RSD		0.779	0.742	10.520	0.437	1.488	1.181	0.719	0.782	1.146

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:03	1010.000	1010.000	1009.000	495.400	506.500	-1.018	509.200	506.300	-1.719
2	18:43:12	1018.000	1008.000	1008.000	494.400	507.900	-0.978	507.600	507.700	1.752
3	18:44:21	1028.000	1012.000	1003.000	497.600	511.800	-1.401	511.000	512.500	-1.485
X		1019.000	1010.000	1007.000	495.800	508.700	-1.132	509.300	508.800	-0.484
?		8.799	2.019	2.978	1.648	2.750	0.234	1.682	3.258	1.940
%RSD		0.864	0.200	0.296	0.332	0.540	20.650	0.330	0.640	400.900

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:03	495.200	497.800	484.400	483.600	485.600	495.600	493.400	496.500	494.000
2	18:43:12	492.700	495.300	492.400	490.400	494.600	495.900	494.000	495.900	494.100
3	18:44:21	493.600	495.700	495.200	496.100	494.200	498.300	503.100	499.600	501.400
X		493.800	496.300	490.700	490.000	491.500	496.600	496.800	497.300	496.500
?		1.264	1.346	5.633	6.260	5.080	1.487	5.450	1.965	4.252
%RSD		0.256	0.271	1.148	1.277	1.034	0.300	1.097	0.395	0.857

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:03	0.002	94%	497.000	84.850	-17.860	503.800	78.160	498.000	495.400
2	18:43:12	0.004	96%	506.900	85.330	-22.030	507.200	78.240	498.300	494.200
3	18:44:21	0.010	100%	508.900	108.300	-20.050	513.100	79.260	500.100	492.800
X		0.005	97%	504.300	92.820	-19.980	508.000	78.560	498.800	494.200
?		0.004	3%	6.396	13.380	2.085	4.676	0.609	1.131	1.287
%RSD		73.070	3	1.268	14.420	10.430	0.921	0.776	0.227	0.261

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:42:03	485.000	2451.000	2472.000	100%	101%	494.500	496.100	496.500	501.100
2	18:43:12	488.800	2448.000	2468.000	101%	102%	493.900	497.000	498.000	501.700
3	18:44:21	489.300	2451.000	2459.000	105%	105%	500.200	498.800	500.600	503.400
X		487.700	2450.000	2466.000	102%	102%	496.200	497.300	498.400	502.000
?		2.339	1.252	6.834	2%	2%	3.460	1.400	2.115	1.197
%RSD		0.480	0.051	0.277	2	2	0.697	0.282	0.424	0.238

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	18:42:03	503.500	100%	501.000	497.600
2	18:43:12	505.000	100%	498.800	497.900
3	18:44:21	507.700	102%	500.900	500.300
X		505.400	101%	500.200	498.600
?		2.165	1%	1.230	1.463

%R3D	0.428	1	0.246	0.293

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:59	96%	0.018	10.770	0.000	-48.430	0.185	0.491	0.849	0.002
2	18:51:07	99%	0.036	7.963	0.000	-52.780	0.169	0.413	0.595	0.099
3	18:52:16	96%	0.013	7.732	0.000	-44.040	1.802	2.217	2.091	0.227
X		97%	0.023	8.823	0.000	-48.420	0.719	1.040	1.178	0.110
?		2%	0.012	1.694	0.000	4.368	0.938	1.020	0.800	0.113
%RSD		2	53.350	19.200	0.000	9.021	130.600	98.040	67.940	102.800

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:59	0.140	-3.648	0.000	0.000	-9.010	-2.638	-1.971	96%	-0.147
2	18:51:07	-0.305	-1.543	0.000	0.000	-13.600	-6.356	-2.768	98%	-0.115
3	18:52:16	-0.580	-2.755	0.000	0.000	-9.574	-2.751	-0.558	97%	-0.065
X		-0.248	-2.648	0.000	0.000	-10.730	-3.915	-1.765	97%	-0.109
?		0.363	1.057	0.000	0.000	2.502	2.115	1.119	1%	0.041
%RSD		146.100	39.900	0.000	0.000	23.320	54.010	63.390	1	37.880

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:59	-0.323	-0.051	-10.970	0.078	-0.291	-1.880	-1.616	0.004	0.229
2	18:51:07	0.060	-0.041	-12.070	-1.925	-0.302	-2.322	-3.502	0.001	0.211
3	18:52:16	0.189	-0.035	-12.010	-3.035	-0.278	-1.621	1.171	0.025	0.208
X		-0.025	-0.042	-11.680	-1.627	-0.290	-1.941	-1.316	0.010	0.216
?		0.266	0.008	0.620	1.577	0.012	0.355	2.351	0.013	0.011
%RSD		1086.000	19.080	5.304	96.920	4.163	18.270	178.700	133.600	5.108

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:59	-0.063	-0.017	-0.169	0.354	-0.260	-0.113	0.659	-0.259	0.021
2	18:51:07	-0.079	-0.029	-0.239	0.027	0.094	-0.085	0.609	0.094	-0.430
3	18:52:16	-0.040	-0.091	-0.117	0.133	0.293	-0.088	0.357	0.293	-2.357
X		-0.061	-0.046	-0.175	0.171	0.042	-0.095	0.542	0.043	-0.922
?		0.019	0.040	0.061	0.167	0.280	0.015	0.162	0.280	1.263
%RSD		31.800	86.870	35.000	97.570	661.300	16.100	29.940	657.100	137.000

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:59	0.023	-0.003	0.457	0.512	0.575	0.838	0.648	0.727	0.729
2	18:51:07	-0.070	-0.001	0.407	0.429	0.422	0.512	0.464	0.598	0.481
3	18:52:16	-0.039	0.024	0.456	0.513	0.372	0.386	0.439	0.309	0.400
X		-0.028	0.007	0.440	0.485	0.456	0.579	0.517	0.545	0.537
?		0.047	0.015	0.029	0.048	0.106	0.233	0.114	0.214	0.171
%RSD		166.200	224.900	6.489	9.976	23.160	40.280	22.130	39.290	31.920

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:59	0.002	97%	0.914	0.550	-0.591	-0.071	0.507	0.039	0.837
2	18:51:07	0.000	98%	1.341	0.547	-0.786	0.041	0.479	0.011	0.596
3	18:52:16	0.000	98%	-0.717	0.514	0.457	0.042	0.470	-0.108	0.615
X		0.001	98%	0.513	0.537	-0.307	0.004	0.485	-0.019	0.683
?		0.001	1%	1.086	0.020	0.668	0.065	0.019	0.078	0.134
%RSD		163.100	1	211.800	3.661	217.900	1715.000	3.972	402.300	19.630

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:49:59	1.536	0.030	0.023	100%	100%	0.093	0.083	-0.197	-0.180
2	18:51:07	1.066	0.012	0.010	100%	102%	0.091	0.073	-0.200	-0.179
3	18:52:16	0.819	0.111	0.112	100%	100%	0.099	0.087	-0.171	-0.176
X		1.140	0.051	0.048	100%	101%	0.094	0.081	-0.189	-0.178
?		0.364	0.053	0.055	0%	1%	0.004	0.007	0.016	0.002
%RSD		31.930	104.100	114.500	0	1	4.293	8.682	8.556	1.246

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	18:49:59	-0.191	102%	0.524	0.044
2	18:51:07	-0.188	103%	0.342	0.030
3	18:52:16	-0.174	102%	0.260	0.032
X		-0.184	102%	0.375	0.036
?		0.009	1%	0.135	0.008

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%R3D	5.096	1	36.030	21.700

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:54	96%	0.005	5.506	0.000	379.400	48.180	50.110	50.960	6.088
2	18:59:03	100%	0.056	4.379	0.000	374.400	49.230	49.350	51.180	6.807
3	19:00:12	99%	0.016	5.019	0.000	378.000	49.270	49.340	49.700	6.905
X		98%	0.026	4.968	0.000	377.300	48.890	49.600	50.610	6.600
?		2%	0.027	0.565	0.000	2.551	0.614	0.442	0.802	0.446
%RSD		2	104.200	11.370	0.000	0.676	1.256	0.892	1.584	6.752

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:54	5.379	-7.675	0.000	0.000	195.800	372.700	388.500	96%	0.053
2	18:59:03	7.222	-6.956	0.000	0.000	191.700	345.000	387.600	98%	0.128
3	19:00:12	7.360	-5.914	0.000	0.000	198.600	401.000	397.500	95%	0.170
X		6.653	-6.848	0.000	0.000	195.400	372.900	391.200	96%	0.117
?		1.106	0.885	0.000	0.000	3.465	28.010	5.432	2%	0.059
%RSD		16.630	12.930	0.000	0.000	1.773	7.512	1.389	2	50.650

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:54	-0.324	1.321	19.640	3.657	2.042	18.300	20.890	0.089	-0.643
2	18:59:03	-0.615	1.391	23.370	4.788	2.163	19.100	21.420	0.078	-0.377
3	19:00:12	0.146	1.547	25.810	5.059	2.008	19.580	22.270	0.098	-0.723
X		-0.264	1.420	22.940	4.502	2.071	18.990	21.530	0.088	-0.581
?		0.384	0.116	3.110	0.744	0.081	0.642	0.691	0.010	0.181
%RSD		145.300	8.140	13.560	16.520	3.929	3.380	3.211	11.380	31.160

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:54	1.311	1.206	10.150	0.184	0.521	0.122	0.754	0.520	-0.086
2	18:59:03	1.324	1.420	10.530	-0.158	0.366	0.188	0.935	0.365	-0.667
3	19:00:12	1.263	1.189	10.140	0.223	-0.135	0.152	0.430	-0.135	-0.584
X		1.300	1.271	10.270	0.083	0.251	0.154	0.707	0.250	-0.446
?		0.032	0.129	0.224	0.210	0.343	0.033	0.256	0.342	0.314
%RSD		2.451	10.120	2.178	253.300	136.900	21.370	36.200	136.700	70.580

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:54	0.707	0.865	1.528	1.613	1.152	0.138	0.383	0.196	0.169
2	18:59:03	0.830	0.868	1.573	1.468	0.938	0.178	0.336	0.151	0.177
3	19:00:12	0.684	0.873	1.382	1.475	0.970	0.131	0.319	0.127	0.144
X		0.741	0.869	1.494	1.519	1.020	0.149	0.346	0.158	0.163
?		0.078	0.004	0.100	0.082	0.115	0.026	0.033	0.035	0.017
%RSD		10.600	0.419	6.671	5.384	11.280	17.180	9.654	22.130	10.440

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:54	0.000	97%	0.233	1.973	-0.115	0.045	1.775	0.105	0.529
2	18:59:03	0.008	100%	0.113	1.900	0.078	0.262	1.671	0.121	0.474
3	19:00:12	0.004	97%	2.080	1.878	-1.198	0.101	1.558	0.186	0.428
X		0.004	98%	0.809	1.917	-0.412	0.136	1.668	0.137	0.477
?		0.004	2%	1.103	0.050	0.688	0.113	0.108	0.043	0.051
%RSD		97.190	2	136.300	2.612	167.200	82.980	6.497	31.380	10.660

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:57:54	0.324	1.096	1.086	99%	100%	0.510	0.518	0.577	0.622
2	18:59:03	0.273	1.238	1.079	102%	101%	0.288	0.308	0.590	0.629
3	19:00:12	0.303	1.173	0.966	100%	100%	0.219	0.214	0.507	0.579
X		0.300	1.169	1.044	100%	100%	0.339	0.347	0.558	0.610
?		0.026	0.071	0.067	1%	1%	0.152	0.156	0.045	0.027
%RSD		8.572	6.062	6.441	1	1	44.980	44.950	7.989	4.469

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	18:57:54	0.604	102%	0.039	0.033
2	18:59:03	0.604	104%	0.042	0.038
3	19:00:12	0.566	102%	0.047	0.040
X		0.591	103%	0.043	0.037
?		0.022	1%	0.004	0.004

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%R3D	3.689	1	10.410	9.766

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Reviewed By: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

D3486 -04 MH3BM7 07/25/2012 07:04:42 PM

User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:51	95%	0.048	3.457	0.000	264.500	49.500	48.090	49.600	7.172
2	19:07:00	94%	0.102	3.874	0.000	270.100	49.720	50.530	49.760	7.167
3	19:08:09	95%	0.023	3.190	0.000	266.600	50.520	51.370	49.690	6.869
X		95%	0.058	3.507	0.000	267.000	49.910	50.000	49.680	7.069
?		1%	0.041	0.345	0.000	2.820	0.534	1.702	0.079	0.174
%RSD		1	70.720	9.841	0.000	1.056	1.070	3.404	0.159	2.458

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:51	5.678	-10.640	0.000	0.000	100.000	347.000	375.700	95%	0.020
2	19:07:00	6.811	-7.168	0.000	0.000	103.200	360.500	387.000	94%	0.228
3	19:08:09	7.934	-6.521	0.000	0.000	99.320	349.800	377.300	95%	0.087
X		6.808	-8.110	0.000	0.000	100.800	352.400	380.000	95%	0.112
?		1.128	2.216	0.000	0.000	2.049	7.100	6.119	1%	0.106
%RSD		16.570	27.330	0.000	0.000	2.033	2.015	1.610	1	94.990

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:51	-0.683	1.424	26.310	3.112	1.266	18.470	19.490	0.022	-1.080
2	19:07:00	-1.148	1.495	30.060	3.642	1.370	19.960	22.190	0.051	-1.187
3	19:08:09	-0.847	1.493	31.260	4.790	1.281	20.000	17.520	0.052	-1.072
X		-0.893	1.471	29.210	3.848	1.306	19.480	19.730	0.042	-1.113
?		0.236	0.041	2.584	0.858	0.056	0.872	2.344	0.017	0.064
%RSD		26.400	2.764	8.846	22.290	4.323	4.476	11.880	41.410	5.765

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:51	1.306	1.187	20.350	0.012	0.370	0.163	0.337	0.369	-0.526
2	19:07:00	1.332	1.244	21.060	0.430	0.218	0.123	0.199	0.217	-1.555
3	19:08:09	1.370	1.359	20.950	-0.299	0.293	0.248	-0.049	0.293	-0.250
X		1.336	1.263	20.790	0.048	0.294	0.178	0.162	0.293	-0.777
?		0.032	0.088	0.386	0.365	0.076	0.064	0.196	0.076	0.688
%RSD		2.408	6.950	1.855	769.100	25.930	35.830	120.900	25.910	88.520

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:51	0.699	0.829	1.227	1.268	0.828	0.076	0.295	0.094	0.095
2	19:07:00	0.841	0.817	1.152	1.139	0.759	0.071	0.269	0.100	0.112
3	19:08:09	0.762	0.820	1.074	1.153	0.756	0.091	0.245	0.152	0.088
X		0.768	0.822	1.151	1.187	0.781	0.079	0.270	0.115	0.098
?		0.071	0.006	0.077	0.071	0.041	0.011	0.025	0.032	0.012
%RSD		9.258	0.749	6.655	5.947	5.240	13.490	9.235	27.700	12.430

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:51	0.002	96%	0.450	1.177	-0.181	0.161	1.046	0.417	0.394
2	19:07:00	0.004	96%	0.763	1.196	-0.142	0.570	1.149	0.450	0.383
3	19:08:09	0.002	97%	0.473	1.127	-0.196	0.160	1.047	0.476	0.401
X		0.003	96%	0.562	1.167	-0.173	0.297	1.081	0.448	0.393
?		0.001	0%	0.175	0.036	0.028	0.236	0.059	0.030	0.009
%RSD		42.850	0	31.120	3.065	16.140	79.600	5.483	6.594	2.392

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:05:51	0.199	0.919	1.025	99%	100%	0.102	0.117	0.508	0.597
2	19:07:00	0.212	0.835	0.967	98%	99%	0.081	0.087	0.534	0.587
3	19:08:09	0.204	0.968	0.925	99%	100%	0.074	0.090	0.555	0.541
X		0.205	0.908	0.972	99%	99%	0.085	0.098	0.532	0.575
?		0.006	0.067	0.050	0%	0%	0.015	0.017	0.024	0.030
%RSD		3.043	7.425	5.136	0	0	17.150	16.970	4.444	5.154

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	19:05:51	0.539	102%	0.023	0.013
2	19:07:00	0.549	101%	0.023	0.019
3	19:08:09	0.552	102%	0.026	0.018
X		0.547	102%	0.024	0.017
?		0.007	1%	0.002	0.003

%R3D	1.221	1	6.504	17.790

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:48	97%	0.005	2.359	0.000	164.900	39.720	37.720	38.160	2.850
2	19:14:57	95%	0.010	2.823	0.000	170.800	40.130	40.210	41.070	3.013
3	19:16:06	94%	0.011	2.032	0.000	173.100	40.540	39.660	40.350	3.273
X		95%	0.009	2.404	0.000	169.600	40.130	39.200	39.860	3.046
?		1%	0.003	0.398	0.000	4.265	0.410	1.305	1.512	0.213
%RSD		2	39.310	16.540	0.000	2.515	1.022	3.330	3.793	6.997

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:48	4.755	-8.594	0.000	0.000	30.980	263.600	252.800	94%	-0.045
2	19:14:57	4.643	-10.870	0.000	0.000	33.190	270.200	251.800	93%	0.008
3	19:16:06	6.566	-5.082	0.000	0.000	35.390	281.900	254.300	93%	-0.009
X		5.321	-8.181	0.000	0.000	33.180	271.900	253.000	93%	-0.015
?		1.079	2.914	0.000	0.000	2.205	9.298	1.248	1%	0.027
%RSD		20.280	35.620	0.000	0.000	6.646	3.420	0.493	1	174.100

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:48	-0.384	0.248	23.070	-8.617	-0.093	7.111	10.400	-0.002	-1.957
2	19:14:57	-0.090	0.304	26.280	-10.540	-0.143	7.838	6.717	0.009	-1.963
3	19:16:06	-0.633	0.325	28.460	-9.734	-0.168	8.858	7.780	0.002	-1.991
X		-0.369	0.292	25.940	-9.631	-0.134	7.936	8.300	0.003	-1.971
?		0.272	0.040	2.710	0.967	0.038	0.878	1.897	0.006	0.018
%RSD		73.720	13.540	10.450	10.040	28.380	11.060	22.850	186.500	0.934

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:48	0.817	0.888	3.052	-0.271	-0.219	0.179	-0.015	-0.218	-0.896
2	19:14:57	0.905	0.944	3.132	0.184	0.243	0.150	-0.112	0.243	-1.010
3	19:16:06	0.881	0.866	2.938	0.095	0.269	0.156	-0.202	0.268	-1.174
X		0.868	0.899	3.041	0.002	0.098	0.162	-0.110	0.098	-1.027
?		0.046	0.040	0.097	0.241	0.274	0.015	0.093	0.274	0.140
%RSD		5.256	4.451	3.205	9820.000	280.900	9.344	85.090	280.300	13.620

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:48	0.541	0.606	0.741	0.794	0.486	0.052	0.200	0.016	0.043
2	19:14:57	0.539	0.628	0.700	0.825	0.512	0.049	0.163	0.021	0.064
3	19:16:06	0.612	0.636	0.694	0.672	0.493	0.074	0.126	0.091	0.063
X		0.564	0.624	0.712	0.764	0.497	0.059	0.163	0.043	0.057
?		0.042	0.015	0.026	0.081	0.013	0.014	0.037	0.042	0.012
%RSD		7.400	2.458	3.634	10.620	2.689	23.270	22.540	97.070	21.470

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:48	0.006	95%	1.402	0.502	-0.785	0.106	0.399	0.303	0.169
2	19:14:57	-0.002	95%	-0.234	0.464	0.268	0.225	0.323	0.161	0.145
3	19:16:06	0.006	95%	1.333	0.404	-0.711	0.165	0.367	0.235	0.112
X		0.004	95%	0.834	0.457	-0.410	0.165	0.363	0.233	0.142
?		0.005	0%	0.925	0.050	0.588	0.059	0.038	0.071	0.029
%RSD		134.500	0	111.000	10.880	143.500	35.700	10.570	30.600	20.240

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:13:48	0.122	0.706	0.695	98%	99%	0.038	0.036	0.098	0.141
2	19:14:57	0.130	0.744	0.644	98%	98%	0.024	0.033	0.115	0.180
3	19:16:06	0.128	0.668	0.652	98%	98%	0.031	0.028	0.118	0.149
X		0.127	0.706	0.663	98%	98%	0.031	0.032	0.110	0.157
?		0.004	0.038	0.027	0%	0%	0.007	0.004	0.011	0.021
%RSD		3.106	5.373	4.121	0	0	22.170	12.630	9.889	13.200

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	19:13:48	0.124	102%	0.007	0.010
2	19:14:57	0.137	102%	0.011	0.010
3	19:16:06	0.133	101%	0.014	0.009
X		0.131	101%	0.010	0.010
?		0.007	1%	0.003	0.001

%R3D	5.113	1	29.700	8.013

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D3486 -06 MH3BM9 07/25/2012 07:20:36 PM

User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:44	94%	0.011	3.173	0.000	190.900	40.050	42.080	42.050	3.694
2	19:22:53	96%	-0.008	3.441	0.000	190.800	40.360	41.910	41.270	3.886
3	19:24:02	97%	-0.008	2.477	0.000	190.200	40.950	40.720	39.990	3.741
X		96%	-0.002	3.030	0.000	190.600	40.450	41.570	41.100	3.774
?		1%	0.011	0.498	0.000	0.386	0.456	0.740	1.043	0.100
%RSD		1	637.400	16.430	0.000	0.203	1.126	1.779	2.539	2.651

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:44	7.172	-7.757	0.000	0.000	48.990	250.200	242.600	93%	0.077
2	19:22:53	8.062	-6.171	0.000	0.000	45.740	258.100	251.400	95%	0.004
3	19:24:02	6.021	-8.017	0.000	0.000	43.720	245.700	249.600	96%	0.085
X		7.085	-7.315	0.000	0.000	46.150	251.300	247.900	95%	0.055
?		1.024	0.999	0.000	0.000	2.658	6.285	4.668	2%	0.044
%RSD		14.450	13.660	0.000	0.000	5.760	2.501	1.883	2	80.090

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:44	-0.382	0.386	30.650	-7.027	-0.070	8.522	10.080	0.004	-2.368
2	19:22:53	-0.988	0.426	34.180	-7.722	-0.076	8.471	8.667	0.006	-2.345
3	19:24:02	0.033	0.393	34.870	-8.985	-0.088	8.315	6.952	0.005	-2.508
X		-0.446	0.402	33.240	-7.911	-0.078	8.436	8.567	0.005	-2.407
?		0.514	0.021	2.263	0.993	0.009	0.108	1.568	0.001	0.088
%RSD		115.300	5.281	6.808	12.550	11.720	1.280	18.300	13.810	3.662

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:44	0.841	0.937	3.467	-0.078	0.165	0.199	0.462	0.165	-1.135
2	19:22:53	0.925	1.000	3.168	0.062	0.674	0.187	-0.552	0.672	-3.825
3	19:24:02	0.932	0.808	3.575	-0.295	0.671	0.241	-0.145	0.669	-1.996
X		0.899	0.915	3.403	-0.104	0.504	0.209	-0.079	0.502	-2.318
?		0.051	0.098	0.211	0.180	0.293	0.028	0.510	0.292	1.374
%RSD		5.657	10.690	6.205	173.500	58.180	13.340	649.700	58.140	59.250

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:44	0.649	0.641	0.902	0.843	0.505	0.062	0.164	0.081	0.054
2	19:22:53	0.706	0.601	0.765	0.724	0.532	0.058	0.124	0.064	0.046
3	19:24:02	0.489	0.609	0.720	0.684	0.547	0.048	0.164	0.064	0.038
X		0.615	0.617	0.796	0.750	0.528	0.056	0.151	0.070	0.046
?		0.112	0.021	0.095	0.082	0.021	0.007	0.023	0.010	0.008
%RSD		18.290	3.444	11.950	10.970	4.029	12.750	15.420	14.190	17.810

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:44	-0.002	94%	-0.062	0.256	0.000	-0.068	0.224	0.085	0.160
2	19:22:53	0.002	97%	1.122	0.238	-0.458	0.391	0.180	0.107	0.177
3	19:24:02	0.000	97%	0.212	0.170	0.058	0.331	0.213	0.108	0.122
X		0.000	96%	0.424	0.221	-0.133	0.218	0.205	0.100	0.153
?		0.002	1%	0.620	0.045	0.283	0.250	0.023	0.013	0.028
%RSD		2911.000	1	146.200	20.560	212.100	114.600	11.130	12.970	18.410

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:21:44	0.117	1.065	1.206	97%	98%	0.034	0.024	0.122	0.157
2	19:22:53	0.090	1.132	1.067	99%	100%	0.015	0.007	0.081	0.101
3	19:24:02	0.121	1.079	1.199	100%	100%	0.010	0.020	0.143	0.142
X		0.110	1.092	1.157	99%	99%	0.020	0.017	0.115	0.133
?		0.017	0.035	0.078	1%	1%	0.013	0.009	0.032	0.029
%RSD		15.520	3.241	6.752	1	1	63.800	51.950	27.450	21.540

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	19:21:44	0.149	101%	0.011	0.004
2	19:22:53	0.120	102%	0.013	0.006
3	19:24:02	0.133	103%	0.010	0.008
X		0.134	102%	0.011	0.006
?		0.014	1%	0.002	0.002

LB61768.tee

[redacted]	10.690	1	14.740	30.630

[redacted]

Reviewed by: jaswal
Date: 7/26/2012 11:43:57
Inst Id :P6

D3486 -07 MH3BN0 07/25/2012 07:28:33 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:42	95%	0.006	2.467	0.000	209.100	46.290	45.950	46.920	5.373
2	19:30:51	95%	-0.020	3.226	0.000	211.300	47.190	46.510	46.890	5.447
3	19:32:00	94%	-0.020	2.084	0.000	211.200	46.940	46.500	46.940	5.513
X		95%	-0.011	2.592	0.000	210.500	46.810	46.320	46.920	5.444
?		0%	0.015	0.581	0.000	1.243	0.466	0.323	0.027	0.070
%RSD		0	130.600	22.410	0.000	0.591	0.995	0.696	0.058	1.287

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:42	6.468	-11.070	0.000	0.000	38.640	253.400	263.200	94%	0.022
2	19:30:51	6.426	-9.567	0.000	0.000	40.950	243.600	260.200	94%	0.040
3	19:32:00	7.195	-8.157	0.000	0.000	41.210	276.500	259.600	94%	0.006
X		6.696	-9.598	0.000	0.000	40.270	257.800	261.000	94%	0.023
?		0.432	1.457	0.000	0.000	1.417	16.880	1.948	0%	0.017
%RSD		6.454	15.180	0.000	0.000	3.520	6.545	0.746	0	73.590

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:42	0.108	0.857	28.880	-1.359	0.422	11.110	9.957	0.022	-1.869
2	19:30:51	-0.419	0.758	33.490	-2.616	0.542	11.340	12.920	0.030	-2.045
3	19:32:00	-0.251	0.725	35.620	-2.188	0.437	12.010	10.680	0.040	-1.822
X		-0.187	0.780	32.660	-2.054	0.467	11.490	11.180	0.031	-1.912
?		0.269	0.069	3.443	0.639	0.065	0.470	1.543	0.009	0.117
%RSD		143.700	8.795	10.540	31.120	13.950	4.095	13.800	30.500	6.137

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:42	1.076	1.013	16.090	-0.414	0.089	0.252	-0.151	0.089	-0.091
2	19:30:51	1.108	1.098	16.960	0.024	0.294	0.208	0.146	0.294	-0.557
3	19:32:00	1.132	1.079	16.290	-0.006	0.346	0.218	0.036	0.345	-2.500
X		1.105	1.063	16.450	-0.132	0.243	0.226	0.011	0.242	-1.049
?		0.028	0.045	0.451	0.245	0.136	0.023	0.150	0.136	1.278
%RSD		2.520	4.207	2.740	185.700	55.950	10.260	1410.000	55.910	121.800

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:42	0.645	0.601	0.742	0.768	0.489	0.043	0.126	0.021	0.035
2	19:30:51	0.751	0.707	0.798	0.801	0.504	0.040	0.121	0.061	0.031
3	19:32:00	0.666	0.732	0.736	0.644	0.528	0.030	0.128	0.036	0.042
X		0.688	0.680	0.759	0.738	0.507	0.038	0.125	0.039	0.036
?		0.056	0.069	0.034	0.082	0.020	0.007	0.003	0.020	0.006
%RSD		8.164	10.210	4.517	11.180	3.857	17.620	2.683	50.970	15.560

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:42	0.000	95%	1.520	0.143	-1.020	-0.186	0.114	0.189	0.181
2	19:30:51	0.002	95%	1.210	0.159	-0.702	0.048	0.090	0.135	0.215
3	19:32:00	0.000	96%	0.191	0.099	0.009	0.221	0.132	0.030	0.158
X		0.001	95%	0.974	0.133	-0.571	0.028	0.112	0.118	0.185
?		0.001	0%	0.695	0.031	0.527	0.205	0.021	0.081	0.028
%RSD		151.400	0	71.390	23.430	92.300	732.800	18.830	68.790	15.370

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:29:42	0.089	0.643	0.613	98%	99%	0.026	0.016	0.406	0.454
2	19:30:51	0.090	0.617	0.597	99%	99%	-0.002	0.010	0.379	0.361
3	19:32:00	0.076	0.616	0.713	98%	99%	0.018	0.000	0.378	0.416
X		0.085	0.625	0.641	98%	99%	0.014	0.009	0.388	0.410
?		0.008	0.015	0.063	0%	0%	0.014	0.008	0.016	0.047
%RSD		9.282	2.439	9.799	0	0	100.400	92.640	4.108	11.390

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	19:29:42	0.414	102%	0.008	0.003
2	19:30:51	0.378	102%	0.011	0.002
3	19:32:00	0.386	101%	0.009	0.004
X		0.393	102%	0.009	0.003
?		0.019	0%	0.001	0.001

[redacted]	4.838	0	14.990	43.210

7/26/2012 12:46:20 AM

Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

D3486-08 MH3BN1 07/25/2012 07:36:31 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:40	94%	-0.007	96.810	0.000	161700.000	111.600	109.400	111.600	12.610
2	19:38:49	93%	-0.002	98.760	0.000	165000.000	114.900	111.300	112.500	13.030
3	19:39:58	97%	0.017	98.330	0.000	160000.000	110.900	109.100	110.700	12.540
X		95%	0.003	97.970	0.000	162300.000	112.500	110.000	111.600	12.720
?		2%	0.012	1.024	0.000	2537.000	2.169	1.215	0.910	0.265
%RSD		2	440.200	1.045	0.000	1.563	1.929	1.105	0.816	2.083

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:40	3707.000	-6.631	0.000	0.000	390.500	3269.000	3258.000	94%	0.363
2	19:38:49	3837.000	-7.943	0.000	0.000	403.600	3243.000	3335.000	93%	0.760
3	19:39:58	3713.000	-11.270	0.000	0.000	381.600	3147.000	3195.000	97%	0.908
X		3752.000	-8.615	0.000	0.000	391.900	3220.000	3263.000	95%	0.677
?		73.320	2.392	0.000	0.000	11.060	64.110	69.920	2%	0.282
%RSD		1.954	27.770	0.000	0.000	2.823	1.991	2.143	2	41.640

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:40	-0.187	1.594	34.300	3.843	3.253	18.500	30.640	0.106	0.842
2	19:38:49	-0.369	1.650	40.610	4.288	3.363	20.750	34.410	0.125	0.896
3	19:39:58	0.051	1.604	39.840	4.178	3.212	18.490	28.110	0.147	0.815
X		-0.168	1.616	38.250	4.103	3.276	19.250	31.050	0.126	0.851
?		0.211	0.030	3.444	0.231	0.078	1.299	3.168	0.021	0.041
%RSD		125.400	1.833	9.003	5.641	2.386	6.746	10.200	16.560	4.869

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:40	1.918	2.041	19.950	-0.072	0.636	0.286	0.008	0.635	-1.170
2	19:38:49	1.964	1.984	20.440	0.005	0.795	0.311	0.207	0.794	-3.760
3	19:39:58	1.966	2.009	19.630	0.551	0.802	0.216	0.361	0.802	-2.208
X		1.949	2.011	20.010	0.162	0.744	0.271	0.192	0.744	-2.380
?		0.027	0.029	0.409	0.340	0.094	0.049	0.177	0.094	1.303
%RSD		1.396	1.432	2.042	210.500	12.630	18.240	92.420	12.630	54.780

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:40	47.960	48.290	5.524	5.170	4.954	3.907	4.358	3.860	3.875
2	19:38:49	48.700	49.250	4.643	4.571	4.315	4.156	4.168	4.119	4.081
3	19:39:58	48.350	47.610	3.689	3.660	3.754	3.885	3.849	3.987	4.123
X		48.340	48.380	4.619	4.467	4.341	3.983	4.125	3.989	4.026
?		0.368	0.825	0.917	0.761	0.601	0.150	0.257	0.130	0.133
%RSD		0.762	1.705	19.860	17.030	13.840	3.776	6.235	3.256	3.303

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:40	0.011	92%	0.806	0.146	-0.318	0.298	0.097	0.127	0.268
2	19:38:49	0.000	92%	0.878	0.118	0.045	1.023	0.088	0.125	0.254
3	19:39:58	0.000	95%	0.762	0.098	-0.069	0.694	0.087	0.095	0.221
X		0.004	93%	0.815	0.121	-0.114	0.672	0.090	0.116	0.248
?		0.006	2%	0.059	0.024	0.185	0.363	0.006	0.018	0.024
%RSD		166.600	2	7.186	20.080	162.400	54.030	6.120	15.530	9.643

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:37:40	0.086	10.310	10.440	98%	99%	0.017	0.017	0.707	0.718
2	19:38:49	0.086	10.800	10.340	98%	99%	0.009	0.006	0.733	0.787
3	19:39:58	0.098	10.070	10.710	101%	102%	-0.001	0.009	0.657	0.736
X		0.090	10.390	10.500	99%	100%	0.008	0.011	0.699	0.747
?		0.007	0.372	0.189	2%	2%	0.009	0.005	0.038	0.036
%RSD		7.784	3.574	1.803	2	2	107.100	49.370	5.507	4.772

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	19:37:40	0.734	98%	0.021	0.015
2	19:38:49	0.763	98%	0.020	0.016
3	19:39:58	0.727	101%	0.016	0.017
X		0.742	99%	0.019	0.016
?		0.019	2%	0.002	0.001

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[illegible]	2.612	2	12.560	4.682

7/26/2012 12:46:20 AM

Reviewed by: jaswal
Dt 7/26/2012 11:43:57
Inst Inst Id :P6

D3486 -09 MH3BN2 07/25/2012 07:44:29 PM

User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:38	92%	0.532	141.700	0.000	469900.000	6114.000	6264.000	6296.000	2153.000
2	19:46:47	92%	0.703	139.600	0.000	469800.000	6110.000	6230.000	6215.000	2143.000
3	19:47:56	95%	0.580	142.800	0.000	458400.000	5960.000	6089.000	6072.000	2075.000
X		93%	0.605	141.400	0.000	466000.000	6061.000	6194.000	6194.000	2124.000
?		2%	0.088	1.622	0.000	6597.000	87.800	92.770	113.300	42.230
%RSD		2	14.530	1.147	0.000	1.415	1.449	1.498	1.829	1.988

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:38	4208.000	167.400	0.000	0.000	3438.000	64180.000	64130.000	94%	11.550
2	19:46:47	4199.000	163.300	0.000	0.000	3412.000	63480.000	64220.000	95%	13.990
3	19:47:56	4082.000	156.800	0.000	0.000	3352.000	62100.000	62630.000	96%	14.280
X		4163.000	162.500	0.000	0.000	3401.000	63250.000	63660.000	95%	13.270
?		70.280	5.333	0.000	0.000	43.820	1059.000	891.300	1%	1.500
%RSD		1.688	3.281	0.000	0.000	1.288	1.675	1.400	1	11.300

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:38	4.614	39.200	26.630	914.000	82.300	944.300	1151.000	3.303	77.510
2	19:46:47	4.430	39.070	26.040	911.100	80.900	943.400	1153.000	3.269	77.690
3	19:47:56	4.839	38.520	23.880	896.000	79.890	925.900	1135.000	3.198	76.100
X		4.628	38.930	25.520	907.000	81.030	937.800	1146.000	3.257	77.100
?		0.205	0.364	1.449	9.686	1.210	10.390	9.725	0.053	0.873
%RSD		4.429	0.935	5.680	1.068	1.493	1.108	0.849	1.641	1.132

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:38	59.350	59.940	680.600	6.612	5.940	0.267	5.322	5.947	-2.870
2	19:46:47	60.070	59.710	680.500	6.103	5.959	0.302	5.362	5.965	0.480
3	19:47:56	58.710	57.940	669.400	5.979	6.611	0.277	5.328	6.618	-3.053
X		59.380	59.200	676.800	6.231	6.170	0.282	5.337	6.177	-1.815
?		0.682	1.096	6.450	0.336	0.382	0.018	0.022	0.383	1.989
%RSD		1.149	1.852	0.953	5.385	6.196	6.408	0.404	6.193	109.600

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:38	854.600	863.900	3.794	3.703	4.138	4.385	4.376	4.405	4.554
2	19:46:47	851.200	862.200	3.623	3.387	3.863	4.585	4.468	4.569	4.646
3	19:47:56	837.000	842.900	3.123	3.129	3.613	4.494	4.118	4.602	4.467
X		847.600	856.300	3.513	3.406	3.871	4.488	4.321	4.526	4.556
?		9.351	11.680	0.349	0.287	0.263	0.100	0.181	0.106	0.090
%RSD		1.103	1.364	9.926	8.436	6.786	2.233	4.192	2.332	1.973

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:38	0.005	90%	2.688	0.667	0.924	4.544	0.659	5.020	15.970
2	19:46:47	0.000	91%	3.075	0.678	0.663	4.494	0.596	4.982	16.900
3	19:47:56	0.000	93%	2.904	0.654	1.089	5.070	0.642	4.857	15.750
X		0.002	91%	2.889	0.666	0.892	4.703	0.632	4.953	16.210
?		0.003	1%	0.194	0.012	0.215	0.319	0.032	0.085	0.607
%RSD		155.400	1	6.718	1.864	24.040	6.788	5.099	1.719	3.744

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:45:38	1.257	20.970	21.090	99%	100%	7.201	7.405	31.800	32.820
2	19:46:47	1.291	21.190	20.700	100%	100%	7.134	7.443	32.400	33.220
3	19:47:56	1.320	20.410	20.890	102%	103%	7.122	7.310	31.250	32.040
X		1.289	20.860	20.890	100%	101%	7.152	7.386	31.820	32.700
?		0.032	0.400	0.192	2%	1%	0.043	0.068	0.575	0.601
%RSD		2.461	1.920	0.921	2	1	0.597	0.924	1.807	1.839

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	19:45:38	32.610	97%	0.103	0.777
2	19:46:47	32.790	97%	0.107	0.788
3	19:47:56	31.770	99%	0.110	0.765
X		32.390	98%	0.107	0.777
?		0.544	1%	0.004	0.012

LB61768.tee

%R3D	1.679	1	3.658	1.517

7/26/2012 12:46:20 AM

Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

D3486 -10 MH3BN3 07/25/2012 07:52:28 PM

User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:37	99%	-0.005	117.600	0.000	392600.000	4885.000	5013.000	5083.000	8.105
2	19:54:46	93%	-0.015	123.100	0.000	401300.000	4958.000	5005.000	5047.000	7.941
3	19:55:55	101%	0.002	119.600	0.000	393500.000	4858.000	4969.000	5039.000	8.000
X		98%	-0.006	120.100	0.000	395800.000	4901.000	4996.000	5056.000	8.015
?		5%	0.008	2.752	0.000	4812.000	51.780	23.770	22.970	0.083
%RSD		5	136.900	2.291	0.000	1.216	1.057	0.476	0.454	1.037

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:37	3642.000	-9.914	0.000	0.000	641.600	49090.000	49280.000	99%	0.464
2	19:54:46	3582.000	-12.080	0.000	0.000	658.200	49400.000	49290.000	94%	0.462
3	19:55:55	3590.000	-9.740	0.000	0.000	637.000	48670.000	48640.000	102%	0.759
X		3605.000	-10.580	0.000	0.000	645.600	49050.000	49070.000	99%	0.562
?		32.450	1.305	0.000	0.000	11.160	364.800	370.400	4%	0.171
%RSD		0.900	12.340	0.000	0.000	1.728	0.744	0.755	4	30.430

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:37	0.177	0.945	16.050	43.970	19.090	61.990	269.100	-0.024	-1.119
2	19:54:46	0.319	0.907	18.020	45.660	19.160	62.810	267.100	-0.047	-1.175
3	19:55:55	-0.176	0.859	17.310	41.920	18.700	61.000	273.200	-0.029	-0.986
X		0.107	0.904	17.130	43.850	18.980	61.930	269.800	-0.033	-1.093
?		0.255	0.043	1.000	1.872	0.250	0.911	3.083	0.012	0.097
%RSD		239.000	4.803	5.838	4.270	1.316	1.471	1.143	36.020	8.900

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:37	1.916	1.866	13.930	0.496	0.494	0.189	0.318	0.494	0.061
2	19:54:46	1.878	2.081	14.490	0.190	1.002	0.261	0.746	1.002	-0.352
3	19:55:55	2.000	1.972	13.770	0.231	0.834	0.235	0.544	0.835	-1.039
X		1.931	1.973	14.060	0.306	0.777	0.228	0.536	0.777	-0.443
?		0.062	0.108	0.376	0.166	0.259	0.036	0.214	0.259	0.555
%RSD		3.235	5.450	2.670	54.280	33.340	15.870	39.930	33.340	125.300

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:37	717.700	719.200	1.786	1.994	1.847	1.931	1.920	1.975	1.795
2	19:54:46	723.500	729.200	1.692	1.626	1.794	1.808	1.968	2.081	1.821
3	19:55:55	715.200	716.300	1.623	1.525	1.522	1.926	1.801	1.983	2.001
X		718.800	721.600	1.700	1.715	1.721	1.888	1.896	2.013	1.873
?		4.238	6.745	0.082	0.247	0.175	0.069	0.086	0.059	0.112
%RSD		0.590	0.935	4.806	14.390	10.140	3.672	4.538	2.941	5.999

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:37	0.000	95%	-1.940	0.069	1.426	0.458	0.088	0.083	0.175
2	19:54:46	0.009	91%	-1.481	0.066	1.027	0.238	0.051	0.015	0.177
3	19:55:55	0.002	96%	-1.070	0.067	0.994	0.622	0.043	0.037	0.078
X		0.004	94%	-1.497	0.067	1.149	0.439	0.060	0.045	0.144
?		0.005	2%	0.435	0.001	0.241	0.193	0.024	0.035	0.056
%RSD		123.900	3	29.070	1.989	20.950	43.840	40.140	76.280	39.300

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:53:37	0.113	7.950	7.561	102%	103%	-0.002	-0.001	0.199	0.229
2	19:54:46	0.109	7.679	7.402	99%	101%	-0.011	-0.006	0.237	0.235
3	19:55:55	0.106	7.673	7.809	104%	105%	-0.011	-0.006	0.204	0.239
X		0.109	7.767	7.591	101%	103%	-0.008	-0.004	0.213	0.234
?		0.004	0.159	0.205	2%	2%	0.005	0.003	0.020	0.005
%RSD		3.438	2.040	2.705	2	2	63.850	72.450	9.531	2.032

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	19:53:37	0.224	100%	0.022	0.053
2	19:54:46	0.219	98%	0.020	0.048
3	19:55:55	0.221	100%	0.019	0.043
X		0.221	99%	0.020	0.048
?		0.003	1%	0.002	0.005

[redacted]	1.237	1	8.846	10.390

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User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:36	103%	-0.027	104.200	0.000	190500.000	131.300	128.800	134.500	14.060
2	20:02:45	102%	-0.006	100.300	0.000	189300.000	131.600	130.500	134.300	13.860
3	20:03:54	99%	0.007	111.700	0.000	193400.000	133.100	133.200	134.200	13.740
X		101%	-0.009	105.400	0.000	191100.000	132.000	130.800	134.400	13.890
?		2%	0.017	5.748	0.000	2096.000	0.952	2.205	0.116	0.158
%RSD		2	199.300	5.453	0.000	1.097	0.721	1.686	0.086	1.139

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:36	3819.000	-9.491	0.000	0.000	359.300	6921.000	6851.000	101%	1.022
2	20:02:45	3808.000	-8.899	0.000	0.000	365.500	6788.000	6926.000	99%	0.528
3	20:03:54	3835.000	-9.730	0.000	0.000	372.800	6790.000	6860.000	99%	0.709
X		3821.000	-9.373	0.000	0.000	365.800	6833.000	6879.000	100%	0.753
?		13.790	0.428	0.000	0.000	6.746	76.320	41.200	1%	0.250
%RSD		0.361	4.562	0.000	0.000	1.844	1.117	0.599	1	33.220

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:36	-0.359	1.109	22.020	0.348	4.383	16.500	45.090	0.031	-1.275
2	20:02:45	0.202	1.019	25.560	2.471	4.288	17.480	47.460	0.024	-1.428
3	20:03:54	-0.903	1.051	28.250	1.772	4.284	16.790	43.360	0.039	-1.348
X		-0.353	1.060	25.280	1.530	4.319	16.920	45.300	0.031	-1.350
?		0.553	0.045	3.126	1.082	0.056	0.501	2.057	0.007	0.076
%RSD		156.500	4.281	12.370	70.680	1.297	2.962	4.541	22.900	5.648

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:36	1.414	1.396	18.790	0.018	1.008	0.273	0.059	1.009	-2.256
2	20:02:45	1.496	1.441	18.060	0.397	1.192	0.236	0.384	1.192	-2.644
3	20:03:54	1.512	1.458	18.910	0.315	1.273	0.245	0.142	1.273	-3.539
X		1.474	1.431	18.590	0.243	1.157	0.251	0.195	1.158	-2.813
?		0.053	0.032	0.461	0.200	0.136	0.019	0.169	0.135	0.658
%RSD		3.565	2.232	2.480	82.030	11.710	7.718	86.530	11.690	23.380

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:36	82.160	83.540	1.478	1.434	2.478	4.860	4.154	4.872	4.569
2	20:02:45	83.550	82.960	1.291	1.478	2.380	4.641	4.205	4.608	4.732
3	20:03:54	84.390	83.180	1.326	1.346	2.317	4.422	4.119	4.529	4.637
X		83.370	83.230	1.365	1.419	2.392	4.641	4.160	4.670	4.646
?		1.126	0.290	0.099	0.067	0.081	0.219	0.043	0.180	0.082
%RSD		1.350	0.348	7.281	4.738	3.394	4.717	1.042	3.847	1.765

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:36	0.004	96%	-0.120	0.078	0.131	0.102	0.053	0.122	0.254
2	20:02:45	0.002	96%	0.625	0.066	-0.123	0.451	0.043	0.171	0.274
3	20:03:54	0.004	95%	0.889	0.084	-0.247	0.513	0.047	0.206	0.241
X		0.004	96%	0.465	0.076	-0.080	0.355	0.047	0.166	0.256
?		0.001	1%	0.523	0.009	0.192	0.222	0.005	0.043	0.016
%RSD		33.820	1	112.500	12.260	241.200	62.430	10.450	25.600	6.393

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:01:36	0.086	10.580	10.920	103%	103%	-0.001	-0.002	0.634	0.625
2	20:02:45	0.086	10.190	11.270	102%	104%	-0.001	-0.012	0.607	0.675
3	20:03:54	0.084	10.590	10.440	103%	104%	0.002	-0.004	0.607	0.614
X		0.085	10.450	10.880	103%	104%	0.000	-0.006	0.616	0.638
?		0.001	0.231	0.418	0%	0%	0.002	0.005	0.016	0.033
%RSD		1.210	2.212	3.839	0	0	22620.000	92.970	2.536	5.126

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	20:01:36	0.623	102%	0.016	0.008
2	20:02:45	0.643	102%	0.016	0.009
3	20:03:54	0.609	101%	0.011	0.008
X		0.625	102%	0.014	0.009
?		0.017	0%	0.003	0.000

%RSD	2.731	0	20.980	3.881

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User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:35	102%	-0.018	93.750	0.000	180200.000	135.900	132.500	133.800	11.540
2	20:10:44	102%	0.010	97.170	0.000	177400.000	133.700	134.900	135.500	10.450
3	20:11:53	103%	0.008	93.570	0.000	178900.000	134.300	131.700	135.800	10.840
X		102%	-0.000	94.830	0.000	178800.000	134.600	133.000	135.000	10.950
?		1%	0.016	2.031	0.000	1377.000	1.120	1.694	1.037	0.549
%RSD		1	14900.000	2.142	0.000	0.770	0.832	1.273	0.768	5.019

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:35	3437.000	-8.971	0.000	0.000	378.700	4427.000	4473.000	99%	0.545
2	20:10:44	3418.000	-9.663	0.000	0.000	373.800	4306.000	4422.000	100%	0.555
3	20:11:53	3440.000	-8.386	0.000	0.000	370.700	4370.000	4430.000	101%	0.466
X		3432.000	-9.007	0.000	0.000	374.400	4368.000	4442.000	100%	0.522
?		11.920	0.640	0.000	0.000	4.039	60.680	27.340	1%	0.049
%RSD		0.347	7.100	0.000	0.000	1.079	1.389	0.615	1	9.413

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:35	0.246	13.250	23.990	93.650	4.844	109.100	119.300	0.304	15.270
2	20:10:44	-0.332	13.620	26.420	90.120	4.930	109.200	117.000	0.297	14.980
3	20:11:53	-0.998	13.450	28.580	88.660	4.836	107.400	120.600	0.329	14.480
X		-0.361	13.440	26.330	90.810	4.870	108.500	119.000	0.310	14.910
?		0.622	0.185	2.295	2.563	0.052	1.023	1.828	0.017	0.399
%RSD		172.300	1.375	8.718	2.822	1.076	0.942	1.536	5.477	2.679

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:35	2.096	1.845	17.620	0.464	0.938	0.198	0.338	0.938	-2.383
2	20:10:44	2.125	2.071	17.480	0.168	0.392	0.227	0.195	0.391	-1.928
3	20:11:53	2.172	1.961	16.810	0.381	0.731	0.207	-0.561	0.730	-1.298
X		2.131	1.959	17.300	0.338	0.687	0.211	-0.009	0.687	-1.870
?		0.039	0.113	0.435	0.152	0.276	0.015	0.483	0.276	0.545
%RSD		1.817	5.779	2.513	45.080	40.160	7.034	5263.000	40.170	29.140

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:35	62.280	61.430	0.947	1.048	2.314	4.952	4.396	5.366	4.791
2	20:10:44	61.140	61.600	0.883	0.788	2.241	5.224	4.592	4.967	5.028
3	20:11:53	59.930	61.150	0.811	0.956	2.310	4.938	4.354	4.778	4.911
X		61.120	61.400	0.880	0.931	2.288	5.038	4.447	5.037	4.910
?		1.177	0.228	0.068	0.132	0.041	0.161	0.127	0.300	0.119
%RSD		1.926	0.372	7.731	14.170	1.796	3.202	2.863	5.960	2.414

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:35	0.000	97%	-0.140	0.039	0.206	0.215	0.042	0.011	0.186
2	20:10:44	0.006	97%	-1.078	0.056	0.676	0.044	0.039	-0.007	0.243
3	20:11:53	0.000	98%	0.419	0.045	0.055	0.549	0.045	0.004	0.236
X		0.002	97%	-0.267	0.047	0.312	0.269	0.042	0.002	0.222
?		0.004	1%	0.757	0.009	0.324	0.257	0.003	0.009	0.032
%RSD		169.500	1	283.900	19.410	103.600	95.420	6.955	382.200	14.210

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:09:35	0.056	7.443	7.419	103%	103%	-0.012	-0.011	0.664	0.696
2	20:10:44	0.042	7.335	7.276	102%	104%	-0.021	-0.007	0.666	0.646
3	20:11:53	0.078	7.634	7.399	103%	105%	-0.013	-0.015	0.673	0.621
X		0.059	7.470	7.365	103%	104%	-0.016	-0.011	0.668	0.654
?		0.018	0.151	0.078	0%	1%	0.005	0.004	0.005	0.038
%RSD		30.660	2.023	1.055	0	1	32.080	36.990	0.771	5.837

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	20:09:35	0.676	103%	0.010	0.006
2	20:10:44	0.667	103%	0.012	0.006
3	20:11:53	0.659	103%	0.014	0.006
X		0.667	103%	0.012	0.006
?		0.008	0%	0.002	0.000

[illegible]	1.233	0	16.200	0.552

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UserPre-dilution:1.000

Reviewed by: jaswal
Date: 7/26/2012 11:43:57 AM
Inst Id : P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:32	100%	485.800	481.800	0.000	48320.000	48390.000	48760.000	49110.000	9823.000
2	20:18:42	97%	483.700	491.500	0.000	48610.000	48550.000	48680.000	49030.000	9799.000
3	20:19:50	101%	489.200	498.700	0.000	48570.000	48980.000	49620.000	49990.000	10020.000
X		99%	486.200	490.700	0.000	48500.000	48640.000	49020.000	49380.000	9881.000
?		2%	2.798	8.500	0.000	156.800	305.900	518.300	535.000	121.600
%RSD		2	0.576	1.732	0.000	0.323	0.629	1.057	1.083	1.231

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:32	475.000	9961.000	0.000	0.000	25070.000	50330.000	50480.000	99%	513.200
2	20:18:42	472.100	9810.000	0.000	0.000	25040.000	50120.000	50220.000	98%	508.700
3	20:19:50	478.100	10170.000	0.000	0.000	25160.000	50430.000	50590.000	100%	512.400
X		475.100	9979.000	0.000	0.000	25090.000	50290.000	50430.000	99%	511.400
?		3.013	178.600	0.000	0.000	63.570	160.500	190.700	1%	2.426
%RSD		0.634	1.790	0.000	0.000	0.253	0.319	0.378	1	0.474

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:32	506.300	508.700	-10.600	25640.000	1050.000	25770.000	26530.000	514.300	510.100
2	20:18:42	495.000	502.000	-8.448	25320.000	1037.000	25290.000	26160.000	508.100	506.900
3	20:19:50	506.700	509.400	-12.260	25810.000	1058.000	25750.000	26580.000	516.100	517.300
X		502.700	506.700	-10.440	25590.000	1048.000	25600.000	26420.000	512.800	511.400
?		6.628	4.099	1.913	247.000	10.950	268.400	229.700	4.206	5.287
%RSD		1.319	0.809	18.330	0.965	1.045	1.048	0.869	0.820	1.034

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:32	1018.000	1014.000	1011.000	495.600	508.800	-0.717	505.900	508.700	-1.604
2	20:18:42	1010.000	1004.000	1013.000	495.200	504.700	-0.922	502.800	505.100	-0.221
3	20:19:50	1031.000	1017.000	1016.000	498.800	514.100	-0.954	506.900	514.400	-0.594
X		1020.000	1012.000	1013.000	496.500	509.200	-0.864	505.200	509.400	-0.806
?		10.290	6.557	2.212	1.973	4.709	0.129	2.127	4.694	0.716
%RSD		1.009	0.648	0.218	0.398	0.925	14.910	0.421	0.922	88.760

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:32	496.500	499.500	489.800	489.600	489.300	496.800	496.500	496.800	494.600
2	20:18:42	495.100	501.000	494.900	494.400	497.000	499.800	495.800	497.000	495.800
3	20:19:50	498.600	503.400	501.400	498.400	500.100	505.100	500.100	497.800	499.400
X		496.800	501.300	495.400	494.200	495.500	500.600	497.500	497.200	496.600
?		1.781	1.950	5.800	4.406	5.534	4.215	2.327	0.563	2.498
%RSD		0.359	0.389	1.171	0.892	1.117	0.842	0.468	0.113	0.503

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:32	0.008	97%	508.800	84.480	-27.810	498.900	102.000	507.400	497.400
2	20:18:42	0.006	95%	505.500	85.240	-17.550	513.500	78.880	504.300	502.700
3	20:19:50	0.004	97%	515.400	85.900	-27.950	505.500	77.990	507.300	500.400
X		0.006	96%	509.900	85.210	-24.440	506.000	86.300	506.400	500.200
?		0.002	1%	5.009	0.708	5.967	7.311	13.630	1.795	2.637
%RSD		33.090	1	0.982	0.831	24.420	1.445	15.790	0.354	0.527

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:17:32	488.000	2482.000	2475.000	102%	103%	494.300	501.300	502.500	507.000
2	20:18:42	497.000	2491.000	2507.000	101%	102%	497.500	498.400	502.100	505.400
3	20:19:50	496.500	2463.000	2484.000	103%	104%	501.900	504.200	503.800	508.800
X		493.900	2479.000	2489.000	102%	103%	497.900	501.300	502.800	507.000
?		5.083	14.610	16.210	1%	1%	3.801	2.891	0.866	1.695
%RSD		1.029	0.589	0.651	1	1	0.763	0.577	0.172	0.334

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	20:17:32	507.300	102%	502.800	506.300
2	20:18:42	508.700	102%	504.800	505.100
3	20:19:50	510.000	102%	504.900	503.900
X		508.600	102%	504.200	505.100
?		1.341	0%	1.152	1.179

[redacted]	0.264	0	0.229	0.234

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User Pre-dilution:1.000

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Out 7/26/2012 11:43:57
Inst Id :P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:28	105%	0.012	8.972	0.000	-56.160	0.121	0.425	0.451	0.151
2	20:26:37	97%	0.013	7.097	0.000	-47.000	-0.059	-0.090	0.512	-0.153
3	20:27:46	100%	0.036	7.281	0.000	-37.140	2.466	2.639	2.810	0.262
X		100%	0.020	7.783	0.000	-46.770	0.843	0.991	1.258	0.087
?		4%	0.014	1.034	0.000	9.507	1.409	1.450	1.345	0.215
%RSD		4	67.430	13.280	0.000	20.330	167.200	146.300	106.900	248.300

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:28	0.578	-2.163	0.000	0.000	-25.760	-5.879	-4.121	102%	-0.056
2	20:26:37	0.007	-3.068	0.000	0.000	-14.750	-7.119	-4.295	96%	-0.098
3	20:27:46	-0.194	-2.005	0.000	0.000	-16.520	-4.641	-1.928	98%	-0.067
X		0.130	-2.412	0.000	0.000	-19.010	-5.880	-3.448	99%	-0.073
?		0.400	0.574	0.000	0.000	5.912	1.239	1.319	3%	0.022
%RSD		307.000	23.780	0.000	0.000	31.100	21.070	38.260	3	29.670

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:28	0.047	-0.046	-11.980	-6.095	-0.332	-3.333	-3.774	0.016	0.217
2	20:26:37	-0.263	-0.062	-11.040	-5.484	-0.333	-3.486	-4.054	0.014	0.204
3	20:27:46	0.276	-0.088	-11.970	-7.021	-0.262	-2.884	-3.097	0.034	0.237
X		0.020	-0.065	-11.670	-6.200	-0.309	-3.235	-3.642	0.021	0.219
?		0.271	0.021	0.542	0.774	0.041	0.313	0.492	0.011	0.017
%RSD		1368.000	32.580	4.649	12.480	13.280	9.669	13.510	52.580	7.603

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:28	-0.064	-0.081	-0.205	0.074	0.362	-0.086	0.500	0.361	-2.128
2	20:26:37	-0.088	-0.061	-0.110	0.255	0.293	-0.106	-0.123	0.293	-2.825
3	20:27:46	-0.002	-0.019	-0.214	0.352	0.145	-0.124	0.040	0.145	-1.433
X		-0.051	-0.054	-0.176	0.227	0.267	-0.105	0.139	0.266	-2.129
?		0.044	0.032	0.057	0.141	0.111	0.019	0.323	0.111	0.696
%RSD		86.150	59.130	32.530	62.130	41.580	18.080	232.900	41.540	32.690

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:28	-0.129	-0.006	0.491	0.493	0.515	0.811	0.703	0.890	0.698
2	20:26:37	-0.080	0.010	0.468	0.459	0.485	0.561	0.541	0.337	0.506
3	20:27:46	-0.101	0.044	0.399	0.428	0.402	0.390	0.472	0.368	0.417
X		-0.104	0.016	0.453	0.460	0.467	0.587	0.572	0.532	0.540
?		0.024	0.025	0.048	0.032	0.058	0.212	0.119	0.311	0.144
%RSD		23.510	162.600	10.530	7.007	12.460	36.070	20.760	58.410	26.600

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:28	-0.002	102%	0.564	0.430	-0.413	-0.132	0.345	-0.017	0.865
2	20:26:37	0.004	98%	-0.688	0.395	0.375	-0.072	0.354	-0.071	0.564
3	20:27:46	0.004	100%	0.684	0.372	-0.297	0.205	0.391	0.018	0.518
X		0.002	100%	0.187	0.399	-0.112	0.000	0.363	-0.023	0.649
?		0.004	2%	0.760	0.029	0.426	0.179	0.025	0.045	0.189
%RSD		171.000	2	407.300	7.290	380.800	121100.000	6.753	192.500	29.050

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:25:28	1.589	0.021	0.040	104%	104%	0.077	0.071	-0.205	-0.173
2	20:26:37	1.096	0.006	0.055	102%	102%	0.074	0.064	-0.198	-0.189
3	20:27:46	0.816	0.050	0.118	103%	104%	0.101	0.091	-0.173	-0.154
X		1.167	0.026	0.071	103%	103%	0.084	0.075	-0.192	-0.172
?		0.391	0.023	0.041	1%	1%	0.015	0.014	0.017	0.017
%RSD		33.530	87.960	58.090	1	1	17.710	18.310	8.838	10.180

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	20:25:28	-0.192	106%	0.537	0.041
2	20:26:37	-0.193	104%	0.366	0.026
3	20:27:46	-0.163	105%	0.258	0.039
X		-0.183	105%	0.387	0.035
?		0.017	1%	0.141	0.008

[redacted]	9.213	1	36.380	23.320

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Inst Id :P6

D3486-13 MH3BN6 07/25/2012 08:32:16 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:25	98%	0.066	165.600	0.000	1045000.000	11080.000	11450.000	11520.000	5.722
2	20:34:34	94%	0.023	160.500	0.000	1057000.000	11120.000	11310.000	11390.000	5.746
3	20:35:43	100%	0.080	160.600	0.000	1050000.000	11150.000	11420.000	11490.000	5.605
X		98%	0.056	162.200	0.000	1051000.000	11120.000	11390.000	11470.000	5.691
?		3%	0.030	2.924	0.000	5770.000	35.650	72.560	70.290	0.075
%RSD		3	52.260	1.802	0.000	0.549	0.321	0.637	0.613	1.323

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:25	3169.000	-6.495	0.000	0.000	1784.000	277200.000	276700.000	98%	0.737
2	20:34:34	3126.000	-8.213	0.000	0.000	1793.000	278300.000	278600.000	94%	0.565
3	20:35:43	3184.000	-6.872	0.000	0.000	1789.000	278300.000	279200.000	99%	0.466
X		3160.000	-7.194	0.000	0.000	1789.000	277900.000	278200.000	97%	0.589
?		30.500	0.903	0.000	0.000	4.686	607.800	1314.000	2%	0.137
%RSD		0.965	12.550	0.000	0.000	0.262	0.219	0.473	2	23.200

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:25	0.072	0.398	5.180	1.677	83.820	32.060	1268.000	-0.281	-0.115
2	20:34:34	0.359	0.417	4.916	2.433	84.420	33.520	1232.000	-0.322	-0.176
3	20:35:43	0.459	0.426	4.089	1.877	84.960	32.620	1282.000	-0.274	-0.359
X		0.296	0.414	4.728	1.996	84.400	32.730	1261.000	-0.292	-0.217
?		0.201	0.014	0.569	0.392	0.572	0.736	25.840	0.026	0.127
%RSD		67.800	3.503	12.040	19.620	0.677	2.248	2.050	8.930	58.660

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:25	3.097	2.965	16.190	1.231	0.814	0.243	0.598	0.816	0.093
2	20:34:34	3.121	3.457	17.260	1.834	1.527	0.182	0.903	1.531	1.718
3	20:35:43	3.299	3.207	16.790	1.160	1.423	0.286	1.158	1.428	-0.497
X		3.172	3.210	16.750	1.409	1.254	0.237	0.886	1.258	0.438
?		0.110	0.246	0.540	0.370	0.385	0.052	0.281	0.387	1.147
%RSD		3.470	7.655	3.227	26.270	30.700	22.070	31.670	30.720	262.100

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:25	2623.000	2626.000	12.180	11.640	9.302	3.738	5.084	3.428	3.857
2	20:34:34	2634.000	2635.000	8.283	7.995	6.768	3.825	4.600	3.966	3.731
3	20:35:43	2611.000	2623.000	6.301	6.079	5.513	3.941	3.953	3.951	3.887
X		2622.000	2628.000	8.921	8.572	7.194	3.835	4.545	3.782	3.825
?		11.580	6.117	2.991	2.826	1.930	0.102	0.568	0.306	0.083
%RSD		0.442	0.233	33.520	32.970	26.820	2.656	12.480	8.095	2.159

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:25	0.000	91%	-2.454	1.262	2.708	2.198	1.112	-0.156	0.528
2	20:34:34	0.000	88%	-2.521	1.232	2.221	1.257	1.079	-0.095	0.401
3	20:35:43	0.002	91%	-4.376	1.192	3.241	1.083	1.009	-0.262	0.305
X		0.001	90%	-3.117	1.229	2.723	1.513	1.067	-0.171	0.411
?		0.001	2%	1.091	0.035	0.510	0.600	0.052	0.085	0.112
%RSD		130.800	2	35.000	2.850	18.730	39.640	4.915	49.650	27.230

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:33:25	0.361	5.095	5.207	100%	102%	0.487	0.482	0.185	0.187
2	20:34:34	0.380	5.249	5.526	99%	101%	0.306	0.297	0.149	0.195
3	20:35:43	0.352	5.351	5.185	102%	103%	0.158	0.186	0.133	0.121
X		0.364	5.232	5.306	100%	102%	0.317	0.321	0.156	0.168
?		0.014	0.129	0.191	1%	1%	0.165	0.149	0.027	0.040
%RSD		3.944	2.463	3.592	1	1	52.070	46.530	17.090	24.100

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	20:33:25	0.177	95%	0.182	0.226
2	20:34:34	0.177	95%	0.152	0.217
3	20:35:43	0.144	96%	0.135	0.219
X		0.166	95%	0.156	0.221
?		0.019	1%	0.024	0.004

%R3D	11.450	1	15.210	1.943

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Inst Id :P6

D3486 -14 MH3BN7 07/25/2012 08:40:13 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:22	93%	0.042	81.800	0.000	354900.000	275.200	272.500	267.800	5.611
2	20:42:31	93%	0.060	82.840	0.000	359100.000	276.400	274.300	279.300	5.491
3	20:43:39	94%	0.037	83.970	0.000	358600.000	274.500	272.500	274.900	5.320
X		93%	0.046	82.870	0.000	357500.000	275.300	273.100	274.000	5.474
?		1%	0.012	1.089	0.000	2276.000	0.970	1.019	5.784	0.146
%RSD		1	26.840	1.314	0.000	0.637	0.352	0.373	2.111	2.668

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:22	3565.000	-10.350	0.000	0.000	590.400	32020.000	32050.000	93%	0.728
2	20:42:31	3596.000	-9.927	0.000	0.000	599.000	32680.000	32640.000	92%	0.649
3	20:43:39	3563.000	-11.040	0.000	0.000	598.800	32060.000	32390.000	93%	0.469
X		3574.000	-10.440	0.000	0.000	596.100	32250.000	32360.000	93%	0.615
?		18.480	0.563	0.000	0.000	4.940	366.800	296.300	1%	0.133
%RSD		0.517	5.391	0.000	0.000	0.829	1.137	0.916	1	21.540

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:22	-0.177	0.824	11.980	197.700	8.742	212.600	330.300	-0.002	-1.163
2	20:42:31	-0.760	0.814	16.000	199.400	8.871	212.600	342.700	-0.022	-1.173
3	20:43:39	0.343	0.887	15.950	190.700	8.493	214.500	343.900	-0.027	-1.256
X		-0.198	0.842	14.640	195.900	8.702	213.200	339.000	-0.017	-1.197
?		0.552	0.040	2.307	4.655	0.192	1.071	7.542	0.013	0.051
%RSD		278.700	4.705	15.750	2.376	2.210	0.502	2.225	76.020	4.251

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:22	1.718	1.765	8.420	0.277	0.640	0.209	-0.092	0.640	-2.232
2	20:42:31	1.656	1.597	8.553	0.029	0.057	0.271	0.028	0.057	1.067
3	20:43:39	1.643	1.558	8.895	-0.306	0.428	0.309	-0.252	0.428	-1.261
X		1.672	1.640	8.623	0.000	0.375	0.263	-0.105	0.375	-0.808
?		0.040	0.110	0.245	0.293	0.295	0.051	0.141	0.295	1.695
%RSD		2.405	6.711	2.837	1166000.000	78.680	19.330	133.400	78.760	209.700

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:22	298.000	303.500	2.347	2.518	3.326	5.546	5.077	5.352	5.433
2	20:42:31	300.300	303.000	2.140	2.163	3.331	5.858	5.237	5.455	5.585
3	20:43:39	301.700	303.900	1.976	1.935	3.255	5.616	5.108	5.943	5.616
X		300.000	303.500	2.154	2.205	3.304	5.673	5.141	5.583	5.545
?		1.872	0.427	0.186	0.294	0.043	0.164	0.085	0.316	0.098
%RSD		0.624	0.141	8.641	13.310	1.288	2.891	1.652	5.651	1.767

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:22	0.007	91%	0.395	0.893	-0.169	0.119	0.813	0.100	0.350
2	20:42:31	0.011	91%	0.218	0.876	0.039	0.301	0.804	0.091	0.309
3	20:43:39	0.011	91%	-0.896	0.776	0.812	0.484	0.726	-0.015	0.275
X		0.010	91%	-0.094	0.848	0.228	0.301	0.781	0.058	0.311
?		0.003	0%	0.700	0.063	0.517	0.183	0.048	0.064	0.037
%RSD		26.030	0	741.600	7.480	227.100	60.610	6.101	109.400	12.010

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:41:22	0.186	7.933	7.602	100%	102%	0.102	0.104	0.338	0.318
2	20:42:31	0.228	7.975	7.681	101%	102%	0.063	0.085	0.334	0.342
3	20:43:39	0.165	7.997	7.513	100%	101%	0.063	0.064	0.346	0.380
X		0.193	7.969	7.599	100%	101%	0.076	0.084	0.339	0.346
?		0.032	0.032	0.084	0%	0%	0.023	0.020	0.006	0.032
%RSD		16.610	0.406	1.106	0	0	29.760	24.050	1.894	9.113

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	20:41:22	0.322	99%	0.043	0.021
2	20:42:31	0.348	99%	0.043	0.027
3	20:43:39	0.348	99%	0.044	0.019
X		0.339	99%	0.044	0.022
?		0.015	0%	0.001	0.004

%R3D	4.384	0	1.913	17.770

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:19	90%	0.004	76.400	0.000	327600.000	227.200	222.300	222.800	5.107
2	20:50:28	89%	0.010	71.980	0.000	332500.000	228.300	224.000	222.700	5.124
3	20:51:37	91%	0.031	74.730	0.000	327400.000	223.900	218.200	223.300	5.075
X		90%	0.015	74.370	0.000	329200.000	226.500	221.500	222.900	5.102
?		1%	0.014	2.233	0.000	2898.000	2.291	2.987	0.304	0.025
%RSD		1	91.530	3.002	0.000	0.880	1.011	1.349	0.136	0.485

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:19	3252.000	-7.197	0.000	0.000	523.600	29550.000	29310.000	92%	0.499
2	20:50:28	3205.000	-9.355	0.000	0.000	528.700	29110.000	29090.000	91%	0.295
3	20:51:37	3220.000	-9.838	0.000	0.000	525.200	29220.000	29200.000	90%	0.683
X		3226.000	-8.797	0.000	0.000	525.800	29300.000	29200.000	91%	0.493
?		24.180	1.406	0.000	0.000	2.616	231.200	111.700	1%	0.194
%RSD		0.750	15.980	0.000	0.000	0.498	0.789	0.383	1	39.430

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:19	0.046	0.415	4.343	167.500	7.707	188.300	304.400	0.037	-0.644
2	20:50:28	-0.061	0.325	5.029	172.700	7.804	185.700	301.000	0.027	-0.720
3	20:51:37	-0.410	0.312	6.143	166.600	7.699	187.900	301.500	0.013	-0.718
X		-0.142	0.351	5.171	168.900	7.736	187.300	302.300	0.026	-0.694
?		0.238	0.056	0.908	3.295	0.058	1.402	1.862	0.012	0.043
%RSD		168.400	16.090	17.570	1.950	0.755	0.749	0.616	46.470	6.204

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:19	1.238	1.244	8.089	0.492	0.753	0.091	-0.136	0.752	-2.303
2	20:50:28	1.182	1.130	8.300	0.155	0.081	0.125	0.037	0.080	-0.410
3	20:51:37	1.211	1.064	7.859	-0.164	-0.187	0.164	-0.096	-0.186	1.346
X		1.210	1.146	8.083	0.161	0.216	0.127	-0.065	0.215	-0.456
?		0.028	0.091	0.221	0.328	0.484	0.037	0.091	0.484	1.825
%RSD		2.320	7.947	2.731	203.600	224.500	28.950	139.400	224.500	400.500

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:19	274.500	275.200	1.504	1.481	2.626	5.003	4.512	4.708	5.047
2	20:50:28	274.400	275.500	1.412	1.544	2.660	5.242	4.612	5.146	5.000
3	20:51:37	273.300	274.800	1.330	1.428	2.470	5.251	4.613	5.311	5.135
X		274.100	275.200	1.415	1.484	2.586	5.166	4.579	5.055	5.061
?		0.673	0.371	0.087	0.058	0.101	0.141	0.058	0.311	0.069
%RSD		0.246	0.135	6.128	3.936	3.913	2.724	1.265	6.160	1.361

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:19	-0.002	90%	0.303	0.303	-0.146	0.060	0.254	0.017	0.177
2	20:50:28	0.002	89%	0.437	0.293	-0.157	0.186	0.290	0.028	0.173
3	20:51:37	0.013	90%	0.549	0.236	-0.295	0.059	0.238	-0.018	0.153
X		0.005	90%	0.430	0.277	-0.199	0.102	0.260	0.009	0.168
?		0.008	1%	0.123	0.036	0.083	0.073	0.027	0.024	0.013
%RSD		171.300	1	28.640	12.930	41.690	71.740	10.250	262.200	7.550

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:49:19	0.116	6.887	6.938	100%	100%	0.034	0.039	0.114	0.135
2	20:50:28	0.126	6.737	6.783	99%	101%	0.025	0.024	0.138	0.139
3	20:51:37	0.120	6.441	6.891	100%	101%	0.014	0.021	0.088	0.098
X		0.121	6.688	6.871	100%	101%	0.025	0.028	0.114	0.124
?		0.005	0.227	0.079	1%	0%	0.010	0.009	0.025	0.023
%RSD		4.227	3.394	1.156	1	0	40.580	33.290	22.120	18.260

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	20:49:19	0.136	100%	0.027	0.012
2	20:50:28	0.151	100%	0.024	0.014
3	20:51:37	0.118	100%	0.023	0.013
X		0.135	100%	0.024	0.013
?		0.016	0%	0.002	0.001

[redacted]	12.080	0	8.280	10.360

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:57:17	90%	-0.013	20.370	0.000	74860.000	58.220	56.600	55.540	1.841
2	20:58:27	98%	-0.005	20.630	0.000	73110.000	57.630	57.110	57.600	1.870
3	20:59:35	90%	-0.018	19.190	0.000	75090.000	58.680	57.910	55.660	1.660
X		93%	-0.012	20.060	0.000	74350.000	58.180	57.210	56.270	1.790
?		5%	0.007	0.768	0.000	1081.000	0.525	0.660	1.160	0.114
%RSD		5	56.610	3.830	0.000	1.454	0.902	1.153	2.062	6.379

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:57:17	732.800	-4.860	0.000	0.000	115.500	6540.000	6631.000	92%	0.132
2	20:58:27	734.600	-4.843	0.000	0.000	102.800	6670.000	6623.000	98%	0.047
3	20:59:35	739.500	-4.934	0.000	0.000	118.400	6476.000	6709.000	91%	0.152
X		735.600	-4.879	0.000	0.000	112.200	6562.000	6654.000	94%	0.110
?		3.480	0.049	0.000	0.000	8.283	98.870	47.240	4%	0.056
%RSD		0.473	0.995	0.000	0.000	7.379	1.507	0.710	4	50.470

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:57:17	-0.486	0.160	-4.673	32.390	1.568	42.520	63.040	0.003	-0.151
2	20:58:27	-0.111	0.097	-6.277	37.750	1.516	41.340	71.650	-0.002	-0.191
3	20:59:35	0.124	0.059	-5.658	36.980	1.612	42.090	64.400	-0.003	-0.132
X		-0.158	0.105	-5.536	35.710	1.565	41.990	66.360	-0.001	-0.158
?		0.308	0.051	0.809	2.900	0.048	0.597	4.630	0.003	0.031
%RSD		195.100	48.400	14.620	8.123	3.046	1.421	6.976	620.500	19.350

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:57:17	0.280	0.349	1.907	0.090	0.111	-0.004	0.772	0.111	-1.784
2	20:58:27	0.258	0.281	2.103	0.097	0.468	-0.032	0.673	0.467	-1.272
3	20:59:35	0.363	0.397	1.749	-0.288	-0.260	0.051	0.005	-0.259	1.173
X		0.300	0.342	1.920	-0.033	0.106	0.005	0.484	0.106	-0.628
?		0.055	0.058	0.177	0.220	0.364	0.042	0.417	0.363	1.581
%RSD		18.380	16.980	9.231	661.400	342.400	848.400	86.290	341.300	251.800

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:57:17	60.640	60.800	0.367	0.349	0.692	1.111	1.018	1.073	1.161
2	20:58:27	62.190	60.540	0.349	0.286	0.632	1.147	1.066	1.305	1.264
3	20:59:35	62.150	61.510	0.330	0.344	0.611	1.165	0.979	1.393	1.109
X		61.660	60.950	0.349	0.326	0.645	1.141	1.021	1.257	1.178
?		0.884	0.504	0.019	0.035	0.042	0.027	0.043	0.165	0.079
%RSD		1.434	0.826	5.343	10.790	6.559	2.409	4.261	13.130	6.705

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:57:17	0.005	92%	0.160	0.108	-0.064	0.055	0.089	-0.056	0.078
2	20:58:27	0.006	97%	-0.271	0.120	0.221	0.101	0.093	-0.037	0.067
3	20:59:35	0.002	92%	-0.169	0.113	0.067	-0.066	0.105	-0.030	0.075
X		0.004	94%	-0.093	0.114	0.075	0.030	0.095	-0.041	0.073
?		0.002	3%	0.225	0.006	0.143	0.086	0.008	0.013	0.006
%RSD		45.000	3	241.700	5.234	191.100	289.700	8.473	32.870	8.128

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:57:17	0.129	1.621	1.584	99%	101%	0.007	0.004	-0.078	-0.062
2	20:58:27	0.083	1.480	1.455	104%	105%	-0.004	-0.004	-0.058	-0.075
3	20:59:35	0.096	1.590	1.387	101%	101%	0.002	0.003	-0.094	-0.053
X		0.103	1.564	1.476	101%	102%	0.002	0.001	-0.077	-0.063
?		0.024	0.074	0.100	2%	2%	0.005	0.005	0.018	0.011
%RSD		23.270	4.758	6.763	2	2	274.300	482.300	23.460	17.430

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	20:57:17	-0.069	102%	0.029	0.003
2	20:58:27	-0.069	105%	0.026	0.003
3	20:59:35	-0.064	103%	0.021	0.001
X		-0.068	103%	0.025	0.002
?		0.003	1%	0.004	0.001

%RSD	4.140	1	16.070	37.960

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User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:16	90%	0.013	85.550	0.000	394000.000	23.440	22.770	22.430	555.200
2	21:06:25	90%	0.009	86.960	0.000	402100.000	24.730	23.810	23.480	563.800
3	21:07:34	92%	-0.014	90.010	0.000	400600.000	22.380	22.290	21.020	557.000
X		91%	0.003	87.510	0.000	398900.000	23.520	22.960	22.310	558.600
?		1%	0.015	2.279	0.000	4323.000	1.174	0.775	1.234	4.532
%RSD		1	524.500	2.604	0.000	1.084	4.994	3.375	5.533	0.811

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:16	3808.000	0.931	0.000	0.000	27380.000	47600.000	47770.000	92%	0.425
2	21:06:25	3845.000	-2.958	0.000	0.000	27700.000	48450.000	48100.000	93%	0.732
3	21:07:34	3817.000	-3.980	0.000	0.000	27860.000	48800.000	48440.000	93%	0.471
X		3823.000	-2.002	0.000	0.000	27650.000	48280.000	48100.000	93%	0.543
?		19.060	2.591	0.000	0.000	244.300	618.400	332.300	0%	0.165
%RSD		0.499	129.400	0.000	0.000	0.884	1.281	0.691	0	30.420

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:16	0.587	0.790	18.400	4.860	0.198	21.960	211.100	-0.054	4.523
2	21:06:25	0.730	0.783	20.310	5.346	0.282	24.900	218.900	-0.047	4.346
3	21:07:34	0.584	0.769	22.610	4.664	0.187	23.860	223.800	-0.041	3.994
X		0.634	0.781	20.440	4.957	0.222	23.570	217.900	-0.047	4.288
?		0.083	0.011	2.111	0.351	0.052	1.488	6.395	0.007	0.269
%RSD		13.100	1.383	10.330	7.090	23.190	6.311	2.934	14.020	6.284

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:16	1.815	1.329	6.405	2.939	4.944	0.192	0.062	4.944	-1.499
2	21:06:25	1.919	1.315	6.616	2.869	4.703	0.203	-0.076	4.703	-0.395
3	21:07:34	1.766	1.267	6.148	3.510	4.506	0.188	0.152	4.507	-0.418
X		1.833	1.304	6.390	3.106	4.718	0.194	0.046	4.718	-0.771
?		0.078	0.033	0.235	0.351	0.219	0.008	0.115	0.219	0.631
%RSD		4.253	2.493	3.670	11.310	4.649	3.967	249.600	4.646	81.890

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:16	1184.000	1186.000	2.165	2.256	4.024	7.719	6.907	7.743	7.553
2	21:06:25	1188.000	1194.000	2.084	1.997	4.089	7.784	7.084	8.136	7.831
3	21:07:34	1183.000	1196.000	1.924	1.805	3.894	8.187	6.926	8.753	8.040
X		1185.000	1192.000	2.058	2.020	4.002	7.897	6.972	8.210	7.808
?		2.732	5.253	0.123	0.226	0.099	0.253	0.097	0.509	0.244
%RSD		0.231	0.441	5.976	11.200	2.476	3.206	1.391	6.202	3.128

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:16	0.009	90%	-1.853	0.137	1.598	0.860	0.135	-0.167	0.238
2	21:06:25	0.002	90%	-1.807	0.120	1.362	0.487	0.130	-0.107	0.262
3	21:07:34	-0.002	91%	-2.774	0.132	1.978	0.546	0.108	-0.261	0.187
X		0.003	90%	-2.145	0.130	1.646	0.631	0.124	-0.178	0.229
?		0.006	0%	0.546	0.009	0.310	0.201	0.014	0.078	0.039
%RSD		176.200	0	25.450	7.096	18.850	31.780	11.310	43.480	16.860

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:05:16	0.428	89.980	91.100	99%	100%	0.043	0.022	0.114	0.150
2	21:06:25	0.454	92.100	91.070	100%	101%	0.016	0.024	0.090	0.133
3	21:07:34	0.418	90.350	91.510	100%	101%	0.033	0.008	0.092	0.135
X		0.433	90.810	91.230	100%	101%	0.031	0.018	0.099	0.140
?		0.019	1.130	0.244	0%	1%	0.014	0.009	0.014	0.010
%RSD		4.281	1.244	0.267	0	1	44.330	48.490	13.730	6.836

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	21:05:16	0.132	98%	0.014	0.009
2	21:06:25	0.121	97%	0.016	0.011
3	21:07:34	0.116	99%	0.016	0.007
X		0.123	98%	0.015	0.009
?		0.008	1%	0.001	0.002

%R3D	6.786	1	6.930	17.260

Reviewed by: jaswal
On 7/26/2012 11:43:57 AM
Inst Id :P6

D3486 -16 MH3BN9 07/25/2012 09:12:05 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:14	100%	-0.002	86.180	0.000	315800.000	63.900	62.990	63.010	640.900
2	21:14:23	100%	0.002	83.970	0.000	312100.000	63.510	64.090	66.410	630.200
3	21:15:32	93%	0.016	88.520	0.000	324400.000	65.870	65.750	65.960	646.100
X		98%	0.005	86.230	0.000	317400.000	64.430	64.280	65.130	639.100
?		4%	0.009	2.275	0.000	6282.000	1.263	1.390	1.846	8.086
%RSD		4	168.700	2.639	0.000	1.979	1.961	2.163	2.834	1.265

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:14	3489.000	-5.165	0.000	0.000	12980.000	30640.000	30660.000	100%	1.577
2	21:14:23	3459.000	-5.045	0.000	0.000	12720.000	30430.000	30090.000	101%	1.799
3	21:15:32	3512.000	-5.155	0.000	0.000	13190.000	31010.000	30720.000	95%	1.394
X		3487.000	-5.122	0.000	0.000	12960.000	30690.000	30490.000	99%	1.590
?		26.790	0.067	0.000	0.000	233.000	294.100	348.000	3%	0.203
%RSD		0.768	1.301	0.000	0.000	1.797	0.958	1.141	3	12.760

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:14	1.614	1.943	16.150	242.000	6.543	257.900	386.300	0.058	2.793
2	21:14:23	2.182	1.806	18.030	236.000	6.680	254.600	378.200	0.071	2.574
3	21:15:32	2.177	2.055	20.930	242.800	6.792	260.000	373.100	0.072	2.505
X		1.991	1.935	18.370	240.300	6.672	257.500	379.200	0.067	2.624
?		0.327	0.125	2.407	3.714	0.125	2.705	6.660	0.008	0.150
%RSD		16.400	6.442	13.100	1.546	1.868	1.051	1.756	11.450	5.734

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:14	4.277	3.944	40.090	3.610	4.375	0.090	-0.444	4.383	-0.487
2	21:14:23	4.498	3.845	39.620	3.264	4.926	0.173	-0.751	4.933	-3.032
3	21:15:32	4.336	3.915	39.780	3.417	5.516	0.165	-0.122	5.521	-2.843
X		4.370	3.901	39.830	3.430	4.939	0.143	-0.439	4.946	-2.121
?		0.115	0.051	0.243	0.174	0.571	0.045	0.314	0.570	1.418
%RSD		2.622	1.308	0.611	5.065	11.550	31.820	71.670	11.520	66.850

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:14	682.400	689.200	1.053	1.093	1.302	1.745	1.681	1.781	1.676
2	21:14:23	670.100	672.800	1.075	1.023	1.145	1.714	1.642	1.834	1.732
3	21:15:32	684.600	689.400	1.009	1.016	1.194	1.889	1.545	1.838	1.845
X		679.000	683.800	1.046	1.044	1.214	1.783	1.623	1.818	1.751
?		7.832	9.560	0.034	0.043	0.080	0.094	0.070	0.032	0.086
%RSD		1.153	1.398	3.247	4.082	6.608	5.258	4.324	1.763	4.912

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:14	0.002	96%	-0.959	0.136	0.735	0.278	0.094	-0.072	0.388
2	21:14:23	0.002	97%	-2.198	0.139	1.446	0.215	0.093	-0.134	0.366
3	21:15:32	0.004	92%	-1.357	0.097	0.917	0.175	0.087	-0.144	0.336
X		0.003	95%	-1.505	0.124	1.033	0.223	0.091	-0.117	0.363
?		0.001	2%	0.632	0.023	0.369	0.052	0.004	0.039	0.026
%RSD		46.410	3	42.020	18.940	35.770	23.190	3.885	33.380	7.235

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:13:14	0.439	126.500	127.300	104%	105%	-0.004	0.004	0.450	0.493
2	21:14:23	0.348	124.300	126.300	104%	106%	-0.005	0.003	0.483	0.502
3	21:15:32	0.373	127.800	128.600	101%	102%	0.004	0.007	0.449	0.538
X		0.387	126.200	127.400	103%	104%	-0.002	0.004	0.461	0.511
?		0.047	1.726	1.199	2%	2%	0.005	0.002	0.019	0.024
%RSD		12.120	1.368	0.941	2	2	257.400	51.850	4.197	4.658

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	21:13:14	0.491	102%	0.018	0.011
2	21:14:23	0.508	102%	0.021	0.010
3	21:15:32	0.487	99%	0.020	0.009
X		0.495	101%	0.020	0.010
?		0.011	2%	0.002	0.001

[illegible]	2.313	2	8.699	7.790

Sev 7/26/2012 jaswal
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Rev 7/26/2012 jaswal
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Inst Id :P6

D3486-16S MH3BN9S 07/25/2012 09:20:03 PM

User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:12	94%	42.030	85.490	0.000	318100.000	69.240	70.920	71.490	2272.000
2	21:22:21	101%	43.310	88.450	0.000	315500.000	69.950	69.070	73.310	2315.000
3	21:23:30	100%	42.640	83.600	0.000	316800.000	68.600	71.480	70.680	2325.000
X		98%	42.660	85.840	0.000	316800.000	69.260	70.490	71.830	2304.000
?		4%	0.637	2.446	0.000	1324.000	0.674	1.260	1.347	28.300
%RSD		4	1.493	2.849	0.000	0.418	0.973	1.788	1.875	1.228

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:12	3532.000	-5.029	0.000	0.000	12960.000	30900.000	30750.000	95%	1.491
2	21:22:21	3564.000	-6.251	0.000	0.000	12840.000	30570.000	30500.000	101%	1.286
3	21:23:30	3597.000	-5.499	0.000	0.000	13020.000	30870.000	30510.000	99%	1.367
X		3565.000	-5.593	0.000	0.000	12940.000	30780.000	30590.000	98%	1.381
?		32.620	0.616	0.000	0.000	92.600	184.000	139.000	3%	0.103
%RSD		0.915	11.020	0.000	0.000	0.716	0.598	0.455	4	7.468

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:12	437.200	175.700	15.540	1130.000	448.800	1150.000	1227.000	437.500	438.000
2	21:22:21	442.100	174.100	14.160	1124.000	446.900	1154.000	1217.000	438.800	439.400
3	21:23:30	435.300	175.800	18.460	1147.000	451.100	1164.000	1236.000	442.900	442.200
X		438.200	175.200	16.050	1134.000	448.900	1156.000	1227.000	439.800	439.900
?		3.521	0.986	2.196	12.210	2.109	7.504	9.323	2.801	2.120
%RSD		0.804	0.563	13.680	1.077	0.470	0.649	0.760	0.637	0.482

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:12	222.900	223.200	479.100	38.780	92.820	0.278	90.980	92.830	-0.248
2	21:22:21	220.100	222.300	467.200	40.620	94.240	-0.087	90.980	94.450	-0.728
3	21:23:30	222.000	222.100	474.400	40.900	96.900	-0.033	91.790	97.020	1.722
X		221.700	222.500	473.500	40.100	94.650	0.052	91.250	94.770	0.249
?		1.432	0.583	6.008	1.154	2.073	0.197	0.471	2.108	1.298
%RSD		0.646	0.262	1.269	2.878	2.190	375.800	0.516	2.225	522.500

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:12	680.300	685.100	0.793	0.903	1.090	1.371	1.364	1.658	1.393
2	21:22:21	681.600	679.500	0.834	0.810	1.072	1.583	1.414	1.455	1.455
3	21:23:30	682.200	683.800	0.826	0.851	1.106	1.442	1.453	1.554	1.592
X		681.400	682.800	0.817	0.854	1.090	1.466	1.411	1.556	1.480
?		0.948	2.945	0.022	0.047	0.017	0.108	0.045	0.102	0.102
%RSD		0.139	0.431	2.676	5.458	1.545	7.338	3.174	6.526	6.868

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:12	0.002	92%	34.290	49.720	0.569	37.940	46.690	44.340	0.376
2	21:22:21	0.006	96%	34.250	50.390	2.155	40.760	46.180	43.620	0.334
3	21:23:30	0.006	96%	36.990	50.810	-0.425	39.090	47.080	43.950	0.352
X		0.005	95%	35.180	50.310	0.766	39.260	46.650	43.970	0.354
?		0.002	2%	1.571	0.551	1.301	1.418	0.454	0.362	0.021
%RSD		46.130	2	4.466	1.095	169.800	3.612	0.974	0.822	5.928

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:21:12	88.040	1836.000	1845.000	101%	102%	43.770	45.370	19.040	19.290
2	21:22:21	87.250	1840.000	1849.000	104%	106%	43.920	45.310	18.950	18.950
3	21:23:30	87.620	1826.000	1848.000	104%	105%	43.560	45.100	18.980	19.250
X		87.640	1834.000	1847.000	103%	104%	43.750	45.260	18.990	19.170
?		0.399	6.732	2.365	2%	2%	0.177	0.143	0.045	0.188
%RSD		0.455	0.367	0.128	2	2	0.405	0.316	0.237	0.982

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	21:21:12	19.180	100%	0.020	0.012
2	21:22:21	19.020	103%	0.021	0.011
3	21:23:30	19.190	102%	0.020	0.011
X		19.130	101%	0.020	0.011
?		0.092	2%	0.000	0.001

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%RSD	0.480	2	1.873	6.018

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D3486-17 MH3BP0 07/25/2012 09:28:02 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:11	93%	-0.037	112.500	0.000	232100.000	150.900	147.700	147.500	198.100
2	21:30:20	96%	0.022	113.900	0.000	229600.000	147.800	149.400	148.800	198.900
3	21:31:29	90%	0.000	115.100	0.000	232400.000	146.700	147.200	143.800	193.200
X		93%	-0.005	113.800	0.000	231400.000	148.500	148.100	146.700	196.800
?		3%	0.030	1.298	0.000	1558.000	2.174	1.182	2.593	3.061
%RSD		3	639.000	1.140	0.000	0.673	1.464	0.798	1.768	1.556

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:11	7515.000	-11.660	0.000	0.000	14320.000	8849.000	8788.000	95%	1.047
2	21:30:20	7584.000	-10.020	0.000	0.000	14260.000	8795.000	8870.000	96%	1.051
3	21:31:29	7380.000	-11.260	0.000	0.000	14150.000	8721.000	8799.000	93%	0.957
X		7493.000	-10.980	0.000	0.000	14240.000	8788.000	8819.000	94%	1.018
?		103.900	0.858	0.000	0.000	83.900	64.220	44.570	2%	0.054
%RSD		1.387	7.814	0.000	0.000	0.589	0.731	0.505	2	5.255

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:11	-0.221	0.844	19.930	-0.504	1.864	12.830	47.650	0.060	-0.846
2	21:30:20	-0.094	0.831	21.710	-1.083	1.984	13.150	47.490	0.114	-0.799
3	21:31:29	0.312	0.878	22.620	-0.561	1.963	12.750	44.950	0.130	-0.710
X		-0.001	0.851	21.420	-0.716	1.937	12.910	46.700	0.101	-0.785
?		0.278	0.025	1.370	0.319	0.064	0.210	1.513	0.037	0.069
%RSD		25130.000	2.892	6.395	44.570	3.286	1.625	3.241	36.490	8.796

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:11	0.572	0.505	6.038	0.136	0.684	0.283	0.030	0.684	-0.111
2	21:30:20	0.655	0.497	6.408	0.949	0.885	0.201	-0.238	0.884	-1.339
3	21:31:29	0.685	0.559	6.489	0.402	1.439	0.277	0.503	1.439	-1.701
X		0.637	0.520	6.312	0.495	1.003	0.254	0.098	1.003	-1.050
?		0.058	0.034	0.241	0.415	0.391	0.046	0.375	0.391	0.833
%RSD		9.154	6.513	3.813	83.750	39.010	17.990	380.900	39.030	79.360

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:11	275.000	275.200	1.392	1.362	3.695	8.102	6.850	8.556	7.561
2	21:30:20	274.500	276.100	1.395	1.377	3.506	7.855	6.984	7.813	7.979
3	21:31:29	273.000	273.200	1.261	1.119	3.387	8.173	7.186	8.160	8.186
X		274.200	274.800	1.349	1.286	3.529	8.043	7.007	8.176	7.908
?		1.008	1.481	0.076	0.145	0.155	0.167	0.169	0.372	0.318
%RSD		0.367	0.539	5.652	11.250	4.398	2.075	2.414	4.550	4.026

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:11	0.004	92%	-1.364	0.144	1.088	0.473	0.164	-0.118	0.174
2	21:30:20	0.000	94%	0.627	0.148	-0.115	0.465	0.134	0.005	0.207
3	21:31:29	0.002	90%	-0.695	0.120	0.591	0.304	0.148	-0.105	0.192
X		0.002	92%	-0.477	0.137	0.521	0.414	0.149	-0.072	0.191
?		0.002	2%	1.013	0.015	0.605	0.095	0.015	0.067	0.017
%RSD		92.740	2	212.200	11.220	116.000	23.050	10.000	93.130	8.714

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:29:11	0.137	18.830	19.530	103%	104%	-0.008	0.002	0.109	0.145
2	21:30:20	0.129	19.710	20.210	102%	103%	0.005	0.001	0.120	0.155
3	21:31:29	0.180	20.000	19.990	101%	102%	0.005	0.003	0.113	0.141
X		0.149	19.510	19.910	102%	103%	0.001	0.002	0.114	0.147
?		0.028	0.610	0.348	1%	1%	0.007	0.001	0.006	0.007
%RSD		18.500	3.126	1.748	1	1	1323.000	42.870	5.091	4.975

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	21:29:11	0.121	102%	0.018	0.041
2	21:30:20	0.144	103%	0.017	0.034
3	21:31:29	0.134	101%	0.018	0.043
X		0.133	102%	0.018	0.039
?		0.012	1%	0.000	0.004

%R3D	8.827	1	1.527	11.020

7/26/2012 12:46:20 AM

Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

D3486-18 MH3BP1 07/25/2012 09:36:02 PM

User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:11	87%	0.002	112.600	0.000	224800.000	156.000	153.000	150.300	207.700
2	21:38:20	94%	0.015	108.000	0.000	222100.000	155.400	152.600	155.500	210.500
3	21:39:29	88%	0.029	113.700	0.000	225700.000	156.800	155.600	157.200	209.700
X		90%	0.015	111.400	0.000	224200.000	156.100	153.700	154.400	209.300
?		4%	0.014	3.038	0.000	1871.000	0.677	1.607	3.605	1.488
%RSD		4	88.820	2.726	0.000	0.835	0.434	1.045	2.335	0.711

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:11	7087.000	-11.330	0.000	0.000	13550.000	8422.000	8451.000	91%	1.007
2	21:38:20	7235.000	-11.320	0.000	0.000	13720.000	8587.000	8598.000	95%	1.327
3	21:39:29	7141.000	-11.010	0.000	0.000	13760.000	8557.000	8624.000	91%	1.474
X		7154.000	-11.220	0.000	0.000	13670.000	8522.000	8558.000	92%	1.269
?		74.610	0.184	0.000	0.000	113.300	87.730	93.130	2%	0.239
%RSD		1.043	1.642	0.000	0.000	0.828	1.029	1.088	3	18.810

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:11	0.580	2.043	17.910	18.170	2.359	32.630	61.850	0.065	0.490
2	21:38:20	0.254	2.208	20.410	19.280	2.388	34.020	67.260	0.050	0.348
3	21:39:29	0.817	2.372	21.100	19.690	2.417	35.170	64.630	0.081	0.329
X		0.550	2.208	19.800	19.050	2.388	33.940	64.580	0.066	0.389
?		0.283	0.165	1.679	0.787	0.029	1.271	2.704	0.015	0.088
%RSD		51.370	7.452	8.478	4.132	1.226	3.745	4.187	23.250	22.570

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:11	0.692	0.616	10.330	0.721	0.484	0.226	-0.238	0.484	-0.807
2	21:38:20	0.736	0.593	10.190	0.767	1.272	0.177	0.221	1.271	0.112
3	21:39:29	0.751	0.746	9.925	0.634	0.941	0.235	-0.185	0.939	-0.143
X		0.726	0.652	10.150	0.707	0.899	0.213	-0.067	0.898	-0.279
?		0.031	0.082	0.206	0.067	0.396	0.031	0.251	0.395	0.475
%RSD		4.228	12.620	2.025	9.510	43.990	14.570	373.200	44.020	169.900

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:11	260.800	262.900	0.915	0.991	3.139	7.760	6.423	7.893	7.769
2	21:38:20	263.200	263.000	0.941	0.923	3.230	7.965	6.863	7.697	7.882
3	21:39:29	264.000	263.100	0.804	0.892	3.120	7.924	6.668	7.998	8.039
X		262.700	263.000	0.887	0.935	3.163	7.883	6.651	7.863	7.897
?		1.692	0.105	0.072	0.050	0.059	0.108	0.220	0.153	0.136
%RSD		0.644	0.040	8.160	5.398	1.858	1.371	3.310	1.940	1.716

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:11	0.009	90%	-0.384	0.080	0.473	0.429	0.079	-0.065	0.187
2	21:38:20	-0.002	94%	0.713	0.086	-0.333	0.169	0.099	-0.003	0.261
3	21:39:29	0.000	90%	-0.761	0.056	0.665	0.365	0.064	-0.076	0.186
X		0.002	91%	-0.144	0.074	0.268	0.321	0.081	-0.048	0.211
?		0.006	2%	0.766	0.016	0.529	0.136	0.018	0.039	0.043
%RSD		240.800	2	532.500	21.880	197.200	42.290	22.210	81.600	20.550

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:37:11	0.087	18.060	18.500	101%	102%	-0.001	-0.013	0.529	0.566
2	21:38:20	0.093	18.840	18.510	103%	105%	-0.012	-0.013	0.514	0.586
3	21:39:29	0.108	19.220	18.380	101%	102%	-0.020	-0.008	0.559	0.613
X		0.096	18.710	18.460	101%	103%	-0.011	-0.012	0.534	0.588
?		0.011	0.593	0.075	1%	1%	0.009	0.003	0.023	0.024
%RSD		11.160	3.169	0.407	1	1	86.710	25.840	4.291	4.047

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	21:37:11	0.560	101%	0.012	0.038
2	21:38:20	0.559	103%	0.012	0.037
3	21:39:29	0.570	102%	0.013	0.042
X		0.563	102%	0.013	0.039
?		0.006	1%	0.000	0.002

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%R3D	1.075	1	1.226	5.831

Rev 7/26/2012 jaswal
Out 7/26/2012 11:43:57
Inst Id :P6

D3486 -19 MH3BP2 07/25/2012 09:44:02 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:45:11	94%	-0.002	116.500	0.000	245000.000	175.000	172.200	171.800	178.000
2	21:46:20	92%	0.008	119.700	0.000	245800.000	176.100	170.900	170.600	179.100
3	21:47:29	87%	0.012	114.400	0.000	251000.000	177.100	171.600	175.000	180.000
X		91%	0.006	116.800	0.000	247200.000	176.100	171.600	172.500	179.000
?		4%	0.007	2.651	0.000	3268.000	1.054	0.683	2.271	1.002
%RSD		4	121.200	2.269	0.000	1.322	0.599	0.398	1.317	0.560

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:45:11	7286.000	-10.690	0.000	0.000	14510.000	9536.000	9465.000	95%	1.151
2	21:46:20	7187.000	-7.982	0.000	0.000	14560.000	9284.000	9390.000	93%	1.074
3	21:47:29	7247.000	-11.540	0.000	0.000	14750.000	9522.000	9391.000	90%	1.346
X		7240.000	-10.070	0.000	0.000	14600.000	9447.000	9415.000	92%	1.190
?		50.110	1.858	0.000	0.000	126.600	141.800	43.120	2%	0.140
%RSD		0.692	18.450	0.000	0.000	0.867	1.501	0.458	3	11.760

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:45:11	0.432	0.431	21.200	-8.844	0.496	7.469	43.510	0.022	-0.985
2	21:46:20	0.272	0.411	24.200	-6.062	0.574	7.664	44.020	0.020	-0.944
3	21:47:29	-0.200	0.573	25.830	-7.830	0.598	8.844	39.540	0.019	-0.771
X		0.168	0.472	23.740	-7.579	0.556	7.993	42.360	0.020	-0.900
?		0.329	0.088	2.348	1.408	0.053	0.744	2.454	0.002	0.114
%RSD		195.900	18.710	9.890	18.580	9.534	9.309	5.794	7.473	12.610

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:45:11	1.432	1.266	4.579	0.543	0.916	0.264	-0.193	0.915	-3.049
2	21:46:20	1.397	1.287	4.813	-0.296	0.349	0.414	-0.373	0.348	0.065
3	21:47:29	1.434	1.275	4.680	0.055	0.730	0.372	-0.332	0.729	-1.411
X		1.421	1.276	4.691	0.101	0.665	0.350	-0.300	0.664	-1.465
?		0.021	0.011	0.118	0.421	0.289	0.078	0.094	0.289	1.558
%RSD		1.460	0.835	2.504	417.900	43.470	22.130	31.540	43.490	106.300

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:45:11	280.000	282.500	1.081	1.034	3.244	7.464	6.403	7.301	7.477
2	21:46:20	286.500	285.200	1.028	0.984	3.138	7.711	6.840	7.795	7.463
3	21:47:29	284.400	285.900	0.953	1.075	3.205	7.791	6.736	7.256	7.629
X		283.600	284.500	1.021	1.031	3.196	7.655	6.660	7.451	7.523
?		3.346	1.782	0.064	0.046	0.053	0.170	0.228	0.299	0.092
%RSD		1.180	0.627	6.309	4.423	1.674	2.222	3.425	4.014	1.227

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:45:11	0.007	93%	1.098	0.081	-0.563	0.170	0.082	0.148	0.177
2	21:46:20	0.005	91%	0.811	0.068	-0.317	0.300	0.069	0.078	0.167
3	21:47:29	-0.002	90%	-1.168	0.075	0.808	0.184	0.055	0.033	0.175
X		0.003	91%	0.247	0.075	-0.024	0.218	0.069	0.086	0.173
?		0.004	2%	1.234	0.006	0.731	0.072	0.014	0.058	0.005
%RSD		147.000	2	499.300	8.424	3034.000	32.880	19.680	67.050	3.116

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:45:11	0.086	19.800	19.450	103%	105%	-0.010	-0.011	0.225	0.200
2	21:46:20	0.112	19.580	19.790	102%	103%	-0.012	-0.015	0.182	0.211
3	21:47:29	0.103	19.880	19.750	100%	102%	0.002	-0.012	0.189	0.214
X		0.101	19.750	19.670	102%	104%	-0.007	-0.013	0.199	0.208
?		0.013	0.155	0.186	2%	2%	0.008	0.002	0.023	0.007
%RSD		12.890	0.783	0.944	1	1	113.700	18.950	11.660	3.502

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	21:45:11	0.219	104%	0.008	0.044
2	21:46:20	0.206	102%	0.013	0.049
3	21:47:29	0.206	102%	0.009	0.044
X		0.210	102%	0.010	0.045
?		0.007	1%	0.003	0.003

[illegible]	3.468	1	25.140	5.938

7/26/2012 12:46:20 AM

Reviewed By: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

CCV13 07/25/2012 09:52:00 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:09	87%	490.900	481.500	0.000	50210.000	49400.000	49160.000	48870.000	9698.000
2	21:54:18	90%	482.100	481.300	0.000	50210.000	49660.000	49400.000	48890.000	9707.000
3	21:55:27	98%	484.000	498.900	0.000	49370.000	49050.000	49350.000	49170.000	9848.000
X		92%	485.700	487.200	0.000	49930.000	49370.000	49300.000	48980.000	9751.000
?		5%	4.677	10.110	0.000	484.000	306.800	131.600	168.500	83.990
%RSD		6	0.963	2.075	0.000	0.970	0.621	0.267	0.344	0.861

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:09	478.800	9593.000	0.000	0.000	25310.000	50950.000	50580.000	92%	499.500
2	21:54:18	481.300	9652.000	0.000	0.000	25450.000	50690.000	50480.000	92%	502.400
3	21:55:27	484.500	9818.000	0.000	0.000	25240.000	50530.000	50100.000	99%	494.800
X		481.500	9687.000	0.000	0.000	25330.000	50720.000	50390.000	94%	498.900
?		2.849	116.800	0.000	0.000	104.700	208.200	254.100	4%	3.813
%RSD		0.592	1.206	0.000	0.000	0.413	0.410	0.504	4	0.764

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:09	490.900	496.700	-11.640	25250.000	1034.000	25200.000	25900.000	498.400	499.000
2	21:54:18	495.000	496.700	-11.040	25270.000	1043.000	25250.000	25840.000	502.000	499.300
3	21:55:27	497.300	501.100	-11.020	25400.000	1043.000	25440.000	25970.000	504.300	500.300
X		494.400	498.200	-11.230	25310.000	1040.000	25290.000	25900.000	501.600	499.500
?		3.269	2.510	0.356	81.140	5.324	126.800	61.240	2.953	0.687
%RSD		0.661	0.504	3.164	0.321	0.512	0.501	0.236	0.589	0.138

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:09	1002.000	1004.000	1012.000	490.500	500.000	-0.574	503.400	498.700	0.323
2	21:54:18	1005.000	999.100	1015.000	497.500	508.800	-1.208	508.800	507.600	2.614
3	21:55:27	1005.000	1002.000	1012.000	490.300	503.900	-0.655	499.000	503.400	-1.182
X		1004.000	1002.000	1013.000	492.800	504.200	-0.812	503.700	503.300	0.585
?		1.385	2.522	1.647	4.079	4.403	0.345	4.920	4.442	1.912
%RSD		0.138	0.252	0.163	0.828	0.873	42.490	0.977	0.883	326.800

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:09	501.500	505.200	482.200	483.100	484.300	492.800	491.000	497.300	494.900
2	21:54:18	504.100	506.000	498.000	496.900	499.000	498.300	498.900	497.000	494.500
3	21:55:27	494.200	500.000	493.300	492.700	498.200	495.400	497.700	495.500	496.100
X		499.900	503.700	491.200	490.900	493.900	495.500	495.900	496.600	495.200
?		5.164	3.278	8.149	7.075	8.285	2.743	4.217	0.930	0.810
%RSD		1.033	0.651	1.659	1.441	1.678	0.553	0.850	0.187	0.164

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:09	0.000	92%	500.100	82.830	-21.280	500.300	74.880	505.300	501.600
2	21:54:18	0.007	92%	496.700	82.080	-19.660	499.500	75.630	510.200	507.300
3	21:55:27	0.006	98%	504.000	91.230	-26.460	495.600	74.810	504.700	498.400
X		0.004	94%	500.300	85.380	-22.470	498.500	75.100	506.700	502.400
?		0.004	3%	3.636	5.078	3.548	2.535	0.456	3.044	4.530
%RSD		83.500	3	0.727	5.948	15.790	0.509	0.607	0.601	0.902

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:53:09	496.700	2458.000	2478.000	102%	104%	498.600	502.400	504.300	507.200
2	21:54:18	501.500	2465.000	2477.000	102%	103%	495.500	500.600	498.900	500.200
3	21:55:27	497.100	2452.000	2473.000	106%	107%	497.900	501.800	501.300	503.300
X		498.400	2458.000	2476.000	103%	105%	497.300	501.600	501.500	503.600
?		2.688	6.355	3.085	2%	2%	1.655	0.904	2.711	3.524
%RSD		0.539	0.259	0.125	2	2	0.333	0.180	0.540	0.700

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	21:53:09	508.500	103%	506.700	510.400
2	21:54:18	505.100	104%	506.500	509.100
3	21:55:27	507.300	106%	504.600	504.500
X		507.000	104%	505.900	508.000
?		1.771	2%	1.124	3.101

[redacted]	0.349	2	0.222	0.611

[redacted]

7/26/2012 12:46:20 AM

CCB13 07/25/2012 09:59:57 PM

UserPre-dilution:1.000

Reviewed: 7/26/2012 jaswal
Int 7/26/2012 11:43:57
Inst Id :P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:06	89%	0.042	8.780	0.000	-30.650	0.880	0.688	1.349	0.221
2	22:02:15	94%	0.006	9.219	0.000	-31.530	1.227	1.148	1.759	0.260
3	22:03:25	88%	0.070	7.075	0.000	4.050	5.170	5.386	5.498	0.983
X		90%	0.039	8.358	0.000	-19.380	2.426	2.408	2.869	0.488
?		3%	0.032	1.133	0.000	20.290	2.383	2.590	2.286	0.429
%RSD		3	81.020	13.550	0.000	104.700	98.250	107.600	79.700	88.030

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:06	0.381	-2.681	0.000	0.000	-11.840	-1.077	-3.997	91%	-0.023
2	22:02:15	0.575	-2.628	0.000	0.000	-18.980	1.888	-2.173	95%	-0.064
3	22:03:25	0.543	-0.315	0.000	0.000	-7.476	9.028	0.915	92%	-0.076
X		0.500	-1.875	0.000	0.000	-12.760	3.280	-1.752	93%	-0.054
?		0.104	1.351	0.000	0.000	5.807	5.194	2.483	2%	0.028
%RSD		20.890	72.060	0.000	0.000	45.500	158.400	141.700	3	51.490

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:06	-0.125	-0.074	-10.790	-4.504	-0.300	-3.932	-6.553	0.004	0.208
2	22:02:15	0.069	-0.053	-11.730	-4.194	-0.291	-5.811	-7.018	0.023	0.217
3	22:03:25	-0.022	0.010	-10.950	-0.595	-0.196	-2.690	-1.437	0.058	0.231
X		-0.026	-0.039	-11.160	-3.098	-0.263	-4.144	-5.003	0.029	0.219
?		0.097	0.044	0.506	2.173	0.058	1.571	3.097	0.027	0.011
%RSD		378.000	113.200	4.538	70.150	22.080	37.910	61.900	94.870	5.136

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:06	-0.081	-0.047	-0.075	0.028	-0.071	-0.058	0.340	-0.070	1.352
2	22:02:15	-0.077	-0.036	-0.191	0.260	0.218	-0.103	0.454	0.218	-0.791
3	22:03:25	0.021	0.070	-0.044	0.293	-0.043	-0.098	-0.271	-0.042	0.319
X		-0.046	-0.004	-0.103	0.194	0.034	-0.087	0.174	0.035	0.293
?		0.058	0.065	0.077	0.145	0.160	0.025	0.390	0.159	1.072
%RSD		126.900	1483.000	74.890	74.710	462.300	28.610	223.400	452.500	365.500

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:06	-0.029	0.013	0.530	0.460	0.528	0.774	0.662	0.816	0.880
2	22:02:15	0.028	0.020	0.411	0.446	0.503	0.571	0.515	0.477	0.508
3	22:03:25	0.093	0.096	0.480	0.429	0.425	0.449	0.401	0.394	0.462
X		0.031	0.043	0.474	0.445	0.485	0.598	0.526	0.562	0.617
?		0.061	0.046	0.060	0.015	0.054	0.164	0.131	0.224	0.230
%RSD		198.300	105.500	12.650	3.452	11.050	27.470	24.880	39.780	37.210

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:06	0.000	94%	0.979	0.407	-0.659	-0.127	0.507	0.026	0.865
2	22:02:15	0.006	98%	-0.167	0.530	0.093	-0.016	0.486	-0.029	0.656
3	22:03:25	-0.002	95%	0.136	0.484	-0.152	-0.128	0.455	0.008	0.527
X		0.001	96%	0.316	0.474	-0.239	-0.090	0.483	0.001	0.683
?		0.004	2%	0.594	0.062	0.384	0.064	0.026	0.028	0.170
%RSD		295.800	2	187.900	13.090	160.400	71.210	5.457	2049.000	24.950

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:01:06	1.644	0.077	0.060	101%	102%	0.088	0.079	-0.194	-0.188
2	22:02:15	1.101	0.045	0.089	104%	105%	0.057	0.062	-0.186	-0.161
3	22:03:25	0.912	0.320	0.301	102%	102%	0.111	0.126	-0.139	-0.124
X		1.219	0.147	0.150	102%	103%	0.086	0.089	-0.173	-0.158
?		0.380	0.151	0.132	1%	2%	0.027	0.033	0.030	0.032
%RSD		31.160	102.300	87.900	1	2	31.780	37.580	17.220	20.290

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	22:01:06	-0.189	106%	0.558	0.052
2	22:02:15	-0.182	108%	0.358	0.037
3	22:03:25	-0.130	106%	0.284	0.073
X		-0.167	107%	0.400	0.054
?		0.032	1%	0.142	0.018

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[illegible]	19.220	1	35.520	33.860

Reviewed by: jaswal
Date: 7/26/2012 11:43:57
Inst Id :P6

D3486 -20 MH3BP3 07/25/2012 10:07:55 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:04	85%	0.085	121.100	0.000	255100.000	176.100	172.400	174.500	177.700
2	22:10:13	87%	0.035	114.300	0.000	249800.000	173.400	168.800	170.200	174.200
3	22:11:22	86%	-0.002	115.500	0.000	252000.000	171.100	163.400	165.200	176.900
X		86%	0.039	117.000	0.000	252300.000	173.500	168.200	169.900	176.300
?		1%	0.044	3.663	0.000	2641.000	2.469	4.531	4.675	1.854
%RSD		1	111.100	3.132	0.000	1.047	1.423	2.693	2.751	1.052

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:04	7117.000	-9.425	0.000	0.000	14620.000	9966.000	9876.000	87%	0.995
2	22:10:13	6892.000	-8.489	0.000	0.000	14660.000	9926.000	9651.000	89%	1.151
3	22:11:22	6999.000	-11.310	0.000	0.000	14600.000	9441.000	9571.000	89%	1.058
X		7003.000	-9.740	0.000	0.000	14630.000	9778.000	9699.000	88%	1.068
?		112.900	1.434	0.000	0.000	27.470	292.200	158.400	1%	0.078
%RSD		1.613	14.720	0.000	0.000	0.188	2.989	1.633	1	7.341

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:04	0.288	1.851	24.390	10.980	2.140	25.600	61.250	0.149	0.266
2	22:10:13	0.310	1.825	26.760	12.390	1.937	25.140	54.910	0.134	0.274
3	22:11:22	1.014	1.731	27.830	6.506	1.926	23.670	55.840	0.106	0.159
X		0.537	1.803	26.330	9.959	2.001	24.800	57.340	0.130	0.233
?		0.413	0.063	1.758	3.072	0.120	1.007	3.423	0.022	0.064
%RSD		76.880	3.506	6.676	30.850	6.015	4.061	5.969	16.690	27.600

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:04	1.100	0.765	13.860	0.510	0.410	0.269	0.810	0.409	1.587
2	22:10:13	1.057	0.753	13.630	0.345	1.009	0.316	0.086	1.007	-0.143
3	22:11:22	1.025	0.907	13.440	0.741	0.788	0.270	0.401	0.786	-1.367
X		1.061	0.808	13.640	0.532	0.736	0.285	0.432	0.734	0.026
?		0.038	0.086	0.212	0.199	0.303	0.027	0.363	0.302	1.484
%RSD		3.535	10.610	1.555	37.410	41.170	9.383	83.910	41.180	5750.000

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:04	294.800	292.200	13.500	14.270	11.720	8.301	8.912	7.758	7.980
2	22:10:13	287.400	287.100	8.971	9.084	8.646	7.940	8.121	7.885	8.152
3	22:11:22	285.000	284.900	6.557	6.574	7.377	7.956	7.777	8.098	8.135
X		289.100	288.100	9.675	9.976	9.247	8.066	8.270	7.913	8.089
?		5.091	3.772	3.523	3.925	2.231	0.204	0.582	0.172	0.095
%RSD		1.761	1.309	36.420	39.340	24.130	2.529	7.037	2.170	1.175

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:04	0.000	87%	3.376	1.928	-1.318	1.270	1.727	0.216	0.544
2	22:10:13	-0.002	89%	1.599	1.870	-0.334	1.119	1.802	0.061	0.484
3	22:11:22	0.000	89%	0.467	1.938	-0.037	0.432	1.638	0.034	0.473
X		-0.000	89%	1.814	1.912	-0.563	0.940	1.722	0.103	0.500
?		0.001	1%	1.466	0.037	0.671	0.447	0.082	0.098	0.038
%RSD		266.200	1	80.830	1.914	119.200	47.520	4.759	95.270	7.656

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:09:04	0.333	20.820	20.640	97%	99%	0.504	0.489	0.834	0.956
2	22:10:13	0.352	20.010	20.250	100%	102%	0.273	0.289	0.742	0.775
3	22:11:22	0.279	20.490	20.140	101%	102%	0.204	0.186	0.826	0.836
X		0.321	20.440	20.340	99%	101%	0.327	0.321	0.801	0.856
?		0.038	0.406	0.262	2%	2%	0.157	0.154	0.051	0.092
%RSD		11.740	1.988	1.289	2	2	48.100	47.970	6.389	10.730

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	22:09:04	0.864	99%	0.126	0.081
2	22:10:13	0.797	101%	0.115	0.086
3	22:11:22	0.814	101%	0.101	0.070
X		0.825	100%	0.114	0.079
?		0.035	1%	0.013	0.008

%R3D	4.221	1	11.040	10.430

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D3487 -01 MH3BP4 07/25/2012 10:15:52 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:01	95%	0.023	112.600	0.000	232900.000	137.000	133.300	135.100	208.200
2	22:18:10	92%	-0.001	111.300	0.000	235700.000	140.400	135.400	138.000	207.000
3	22:19:19	88%	0.062	121.400	0.000	241900.000	140.100	136.900	134.000	211.800
X		92%	0.028	115.100	0.000	236800.000	139.200	135.200	135.700	209.000
?		4%	0.032	5.462	0.000	4596.000	1.875	1.845	2.076	2.488
%RSD		4	114.600	4.745	0.000	1.941	1.348	1.364	1.530	1.190

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:01	7787.000	-10.060	0.000	0.000	14580.000	8603.000	8866.000	96%	1.230
2	22:18:10	7791.000	-9.903	0.000	0.000	14710.000	8860.000	8760.000	95%	0.977
3	22:19:19	7897.000	-10.720	0.000	0.000	15000.000	8910.000	8932.000	90%	1.036
X		7825.000	-10.230	0.000	0.000	14760.000	8791.000	8853.000	94%	1.081
?		62.340	0.432	0.000	0.000	214.300	164.700	87.020	3%	0.132
%RSD		0.797	4.223	0.000	0.000	1.451	1.874	0.983	3	12.240

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:01	0.261	0.564	22.220	-2.704	0.309	9.085	34.770	0.023	-1.377
2	22:18:10	-0.096	0.589	25.350	-6.234	0.341	9.489	41.080	0.018	-1.402
3	22:19:19	-0.273	0.568	27.710	-4.539	0.295	10.810	36.020	-0.002	-1.453
X		-0.036	0.574	25.090	-4.492	0.315	9.795	37.290	0.013	-1.411
?		0.272	0.013	2.752	1.766	0.024	0.903	3.338	0.013	0.039
%RSD		758.200	2.300	10.970	39.300	7.608	9.219	8.951	98.650	2.748

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:01	0.664	0.488	7.363	0.075	0.243	0.294	0.155	0.243	-1.257
2	22:18:10	0.628	0.534	7.643	0.494	0.269	0.269	0.285	0.268	-0.474
3	22:19:19	0.722	0.502	7.508	0.638	0.780	0.263	-0.186	0.779	-1.145
X		0.671	0.508	7.505	0.402	0.431	0.275	0.085	0.430	-0.959
?		0.047	0.023	0.140	0.292	0.303	0.016	0.243	0.302	0.424
%RSD		7.060	4.567	1.864	72.640	70.330	5.926	286.900	70.320	44.180

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:01	273.600	275.800	4.145	4.241	5.206	7.961	7.534	7.708	8.013
2	22:18:10	275.500	277.400	3.434	3.237	5.124	8.315	7.487	7.362	7.994
3	22:19:19	278.900	283.500	2.948	2.800	4.707	7.969	7.374	8.298	8.128
X		276.000	278.900	3.509	3.426	5.012	8.082	7.465	7.789	8.045
?		2.682	4.076	0.602	0.739	0.268	0.202	0.082	0.473	0.072
%RSD		0.972	1.462	17.150	21.570	5.339	2.503	1.102	6.076	0.901

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:01	0.000	95%	0.714	1.201	-0.139	0.515	1.110	-0.003	0.270
2	22:18:10	0.004	93%	-0.750	1.128	0.649	0.349	0.971	-0.104	0.222
3	22:19:19	0.005	90%	0.175	1.213	-0.036	0.120	1.198	-0.054	0.251
X		0.003	93%	0.046	1.181	0.158	0.328	1.093	-0.053	0.248
?		0.003	2%	0.740	0.046	0.429	0.198	0.115	0.051	0.024
%RSD		83.600	2	1603.000	3.926	271.100	60.510	10.490	94.720	9.760

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:17:01	0.219	19.750	19.590	105%	105%	0.130	0.102	-0.076	-0.040
2	22:18:10	0.168	19.470	19.430	104%	105%	0.075	0.060	-0.049	-0.074
3	22:19:19	0.213	19.620	19.740	101%	102%	0.067	0.056	-0.067	-0.054
X		0.200	19.610	19.590	103%	104%	0.090	0.073	-0.064	-0.056
?		0.028	0.138	0.154	2%	2%	0.034	0.025	0.014	0.017
%RSD		13.950	0.701	0.786	2	2	37.820	34.940	21.800	30.830

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	22:17:01	-0.045	105%	0.061	0.056
2	22:18:10	-0.051	104%	0.051	0.051
3	22:19:19	-0.047	102%	0.046	0.052
X		-0.048	104%	0.053	0.053
?		0.003	2%	0.008	0.003

[illegible]	6.490	2	14.450	4.900

Reviewed by jaswal
Dt 7/26/2012 11:43:57
Inst Id :P6

D3487 -01D MH3BP4D 07/25/2012 10:23:50 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:24:59	92%	-0.001	116.500	0.000	236800.000	137.000	135.100	134.300	208.000
2	22:26:08	92%	0.008	115.200	0.000	234500.000	135.100	134.900	135.300	206.400
3	22:27:17	94%	-0.011	118.600	0.000	235000.000	136.600	134.100	138.500	209.200
X		93%	-0.001	116.800	0.000	235400.000	136.300	134.700	136.000	207.900
?		1%	0.009	1.733	0.000	1216.000	1.001	0.534	2.176	1.381
%RSD		1	641.200	1.484	0.000	0.517	0.734	0.397	1.600	0.664

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:24:59	7843.000	-9.314	0.000	0.000	14650.000	8869.000	8845.000	95%	1.129
2	22:26:08	7801.000	-10.490	0.000	0.000	14690.000	8725.000	8785.000	95%	1.112
3	22:27:17	7913.000	-8.994	0.000	0.000	14790.000	8635.000	8801.000	96%	0.816
X		7852.000	-9.600	0.000	0.000	14710.000	8743.000	8810.000	95%	1.019
?		56.730	0.789	0.000	0.000	76.320	118.100	30.710	1%	0.176
%RSD		0.723	8.220	0.000	0.000	0.519	1.351	0.349	1	17.240

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:24:59	0.214	0.504	11.700	-6.106	0.453	6.143	35.340	-0.002	-0.208
2	22:26:08	0.914	0.493	10.850	-8.518	0.445	6.620	36.230	0.007	-0.372
3	22:27:17	0.654	0.515	11.350	-4.936	0.492	7.766	36.630	0.009	-0.440
X		0.594	0.504	11.300	-6.520	0.463	6.843	36.070	0.004	-0.340
?		0.354	0.011	0.426	1.826	0.025	0.834	0.659	0.006	0.119
%RSD		59.640	2.164	3.768	28.010	5.329	12.190	1.826	136.400	35.090

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:24:59	0.624	0.486	7.386	0.798	-0.041	0.112	-0.020	-0.041	-0.179
2	22:26:08	0.722	0.516	7.514	0.218	0.707	0.196	0.042	0.706	-2.274
3	22:27:17	0.698	0.440	7.642	0.509	0.652	0.143	-0.072	0.651	-2.655
X		0.681	0.481	7.514	0.508	0.439	0.150	-0.017	0.439	-1.703
?		0.051	0.039	0.128	0.290	0.417	0.042	0.057	0.417	1.334
%RSD		7.549	8.021	1.703	57.020	94.890	28.270	343.800	94.970	78.330

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:24:59	273.400	276.200	2.423	2.563	4.199	7.129	6.236	7.257	7.185
2	22:26:08	273.500	276.300	2.087	2.157	3.751	7.177	6.591	7.182	7.310
3	22:27:17	275.800	278.200	2.007	2.088	3.901	7.597	6.704	7.460	7.395
X		274.200	276.900	2.172	2.269	3.950	7.301	6.510	7.299	7.297
?		1.338	1.110	0.221	0.257	0.228	0.257	0.244	0.144	0.105
%RSD		0.488	0.401	10.150	11.320	5.771	3.526	3.747	1.972	1.441

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:24:59	0.004	93%	-0.141	0.391	0.282	0.347	0.320	-0.036	0.179
2	22:26:08	0.004	94%	0.304	0.332	-0.020	0.287	0.321	-0.075	0.173
3	22:27:17	-0.002	94%	0.411	0.347	-0.021	0.400	0.334	-0.032	0.157
X		0.002	94%	0.192	0.356	0.080	0.345	0.325	-0.047	0.169
?		0.004	1%	0.293	0.031	0.175	0.057	0.008	0.024	0.012
%RSD		162.800	1	152.900	8.677	218.200	16.460	2.328	50.100	6.836

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:24:59	0.163	19.590	19.260	103%	105%	0.032	0.027	0.038	0.106
2	22:26:08	0.152	18.980	18.980	104%	106%	0.010	0.014	0.045	0.090
3	22:27:17	0.136	19.200	19.360	105%	106%	0.024	0.003	0.060	0.076
X		0.150	19.260	19.200	104%	106%	0.022	0.015	0.048	0.091
?		0.014	0.307	0.196	1%	1%	0.011	0.012	0.011	0.015
%RSD		9.002	1.596	1.020	1	1	51.300	81.890	23.180	16.180

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	22:24:59	0.082	104%	0.039	0.043
2	22:26:08	0.061	105%	0.033	0.042
3	22:27:17	0.077	106%	0.033	0.041
X		0.073	105%	0.035	0.042
?		0.011	1%	0.004	0.001

[illegible]	14.520	1	10.800	1.908

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D3487-01LX5 MH3BP4L 07/25/2012 10:31:48 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:57	87%	-0.021	27.410	0.000	48770.000	29.120	28.550	29.350	43.480
2	22:34:06	90%	-0.018	26.200	0.000	48670.000	29.600	28.270	28.600	43.910
3	22:35:15	88%	0.011	27.890	0.000	48850.000	29.120	29.390	29.420	43.610
X		88%	-0.009	27.170	0.000	48760.000	29.280	28.740	29.120	43.670
?		2%	0.018	0.875	0.000	87.890	0.278	0.582	0.457	0.216
%RSD		2	190.100	3.221	0.000	0.180	0.949	2.024	1.569	0.496

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:57	1579.000	-6.094	0.000	0.000	3050.000	1700.000	1795.000	91%	0.030
2	22:34:06	1602.000	-4.436	0.000	0.000	3028.000	1855.000	1827.000	93%	0.230
3	22:35:15	1582.000	-5.786	0.000	0.000	3040.000	1863.000	1826.000	91%	0.168
X		1588.000	-5.439	0.000	0.000	3039.000	1806.000	1816.000	92%	0.143
?		12.500	0.882	0.000	0.000	11.040	92.030	18.470	1%	0.103
%RSD		0.787	16.210	0.000	0.000	0.363	5.096	1.017	1	71.990

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:57	0.060	0.056	-2.948	-3.820	-0.177	-2.329	-1.340	-0.001	-0.124
2	22:34:06	0.416	0.049	-4.307	-5.245	-0.188	-2.690	-2.602	-0.010	-0.264
3	22:35:15	-0.178	0.071	-2.837	-5.339	-0.192	-1.930	-0.089	-0.007	-0.127
X		0.099	0.059	-3.364	-4.802	-0.186	-2.316	-1.344	-0.006	-0.172
?		0.299	0.011	0.819	0.852	0.008	0.380	1.257	0.004	0.080
%RSD		301.300	19.010	24.340	17.730	4.185	16.420	93.510	68.600	46.740

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:57	0.060	0.107	1.621	0.229	0.560	-0.002	-0.187	0.558	-0.496
2	22:34:06	0.049	0.004	1.580	0.088	0.217	0.004	0.385	0.217	-1.023
3	22:35:15	0.094	0.032	1.650	0.126	0.112	-0.003	-0.190	0.112	-0.907
X		0.067	0.048	1.617	0.148	0.296	-0.000	0.003	0.296	-0.808
?		0.024	0.053	0.035	0.073	0.234	0.004	0.331	0.233	0.277
%RSD		35.030	111.000	2.179	49.430	78.930	2041.000	12960.000	78.790	34.260

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:57	56.480	56.440	0.338	0.328	0.793	1.946	1.649	1.755	1.886
2	22:34:06	55.620	56.400	0.311	0.344	0.837	1.858	1.611	1.684	1.791
3	22:35:15	55.340	56.010	0.368	0.399	0.790	1.643	1.471	1.640	1.699
X		55.810	56.290	0.339	0.357	0.807	1.816	1.577	1.693	1.792
?		0.591	0.238	0.028	0.037	0.026	0.156	0.094	0.058	0.093
%RSD		1.058	0.422	8.385	10.500	3.257	8.592	5.943	3.430	5.208

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:57	-0.002	93%	0.219	0.103	-0.100	0.052	0.116	-0.035	0.124
2	22:34:06	0.000	95%	-1.132	0.111	0.645	-0.070	0.118	-0.097	0.120
3	22:35:15	-0.002	94%	1.223	0.114	-0.706	0.049	0.109	0.039	0.102
X		-0.001	94%	0.104	0.110	-0.054	0.011	0.114	-0.031	0.115
?		0.001	1%	1.182	0.006	0.677	0.069	0.005	0.068	0.012
%RSD		93.660	1	1140.000	5.328	1252.000	656.900	4.082	219.800	10.010

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:32:57	0.110	3.971	4.017	103%	104%	-0.005	-0.007	-0.179	-0.158
2	22:34:06	0.085	3.966	3.893	104%	105%	-0.006	-0.001	-0.190	-0.171
3	22:35:15	0.094	3.791	3.976	104%	105%	-0.005	-0.008	-0.162	-0.165
X		0.096	3.909	3.962	103%	105%	-0.005	-0.006	-0.177	-0.165
?		0.013	0.103	0.064	1%	1%	0.001	0.004	0.014	0.007
%RSD		13.090	2.623	1.603	1	1	12.940	67.570	8.053	4.072

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	22:32:57	-0.166	106%	0.031	0.008
2	22:34:06	-0.177	108%	0.032	0.009
3	22:35:15	-0.164	107%	0.029	0.008
X		-0.169	107%	0.031	0.008
?		0.007	1%	0.001	0.001

%RSD	4.040	1	4.514	10.020

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D3487 -02 MH3BP5 07/25/2012 10:39:47 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:56	89%	-0.017	103.000	0.000	230100.000	155.300	153.400	153.000	147.400
2	22:42:05	85%	0.008	100.200	0.000	230000.000	155.400	150.900	150.100	144.900
3	22:43:14	84%	0.004	99.650	0.000	234700.000	155.700	153.900	151.900	147.500
X		86%	-0.002	101.000	0.000	231600.000	155.500	152.700	151.700	146.600
?		3%	0.014	1.813	0.000	2664.000	0.199	1.629	1.429	1.470
%RSD		3	815.100	1.795	0.000	1.150	0.128	1.067	0.942	1.003

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:56	6217.000	-11.280	0.000	0.000	12940.000	8713.000	8640.000	91%	0.815
2	22:42:05	6044.000	-8.992	0.000	0.000	12820.000	8679.000	8602.000	90%	0.497
3	22:43:14	6187.000	-11.980	0.000	0.000	13100.000	8727.000	8724.000	89%	1.094
X		6149.000	-10.750	0.000	0.000	12950.000	8707.000	8655.000	90%	0.802
?		92.270	1.564	0.000	0.000	139.700	24.360	62.250	1%	0.299
%RSD		1.501	14.550	0.000	0.000	1.078	0.280	0.719	1	37.270

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:56	-0.502	0.688	18.260	-7.792	0.452	9.271	38.990	0.005	-1.394
2	22:42:05	-0.171	0.717	20.570	-5.917	0.430	9.307	35.090	-0.009	-1.339
3	22:43:14	-0.130	0.728	21.830	-5.636	0.469	8.456	32.150	-0.003	-1.404
X		-0.268	0.711	20.220	-6.448	0.450	9.011	35.410	-0.002	-1.379
?		0.204	0.021	1.812	1.172	0.020	0.481	3.429	0.007	0.035
%RSD		76.370	2.914	8.960	18.180	4.353	5.338	9.684	303.500	2.522

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:56	0.546	0.482	5.857	0.335	0.508	0.230	0.129	0.507	0.719
2	22:42:05	0.605	0.379	6.043	0.312	1.277	0.237	-0.289	1.275	-3.047
3	22:43:14	0.553	0.444	6.445	0.201	0.379	0.301	0.033	0.379	-0.333
X		0.568	0.435	6.115	0.283	0.722	0.256	-0.042	0.720	-0.887
?		0.032	0.052	0.300	0.072	0.486	0.039	0.219	0.485	1.943
%RSD		5.635	11.910	4.914	25.400	67.300	15.160	517.100	67.340	219.000

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:56	259.000	260.300	1.334	1.399	2.943	6.143	5.376	6.284	6.003
2	22:42:05	256.500	260.300	1.238	1.106	2.819	6.013	5.520	5.754	5.881
3	22:43:14	263.800	263.500	1.169	1.117	2.913	5.980	5.593	6.063	6.093
X		259.700	261.400	1.247	1.207	2.892	6.045	5.496	6.034	5.993
?		3.704	1.852	0.083	0.166	0.065	0.086	0.110	0.266	0.106
%RSD		1.426	0.708	6.675	13.780	2.241	1.420	2.002	4.409	1.774

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:56	0.005	92%	0.278	0.175	-0.134	0.055	0.153	0.004	0.167
2	22:42:05	0.007	89%	0.281	0.177	-0.027	0.248	0.147	-0.022	0.211
3	22:43:14	0.009	89%	-0.638	0.148	0.421	0.062	0.134	-0.095	0.204
X		0.007	90%	-0.026	0.167	0.087	0.122	0.144	-0.038	0.194
?		0.002	2%	0.529	0.016	0.294	0.110	0.010	0.052	0.024
%RSD		33.860	2	2009.000	9.728	338.800	90.250	6.775	137.500	12.130

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:40:56	0.067	17.690	17.900	103%	104%	0.024	0.028	0.084	0.131
2	22:42:05	0.089	18.280	18.250	101%	103%	0.015	0.019	0.054	0.106
3	22:43:14	0.083	17.920	18.420	102%	103%	0.002	0.007	0.092	0.104
X		0.080	17.960	18.190	102%	103%	0.013	0.018	0.077	0.114
?		0.011	0.298	0.265	1%	1%	0.011	0.011	0.020	0.015
%RSD		14.370	1.660	1.458	1	1	83.500	58.160	25.770	12.890

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	22:40:56	0.093	104%	0.015	0.044
2	22:42:05	0.085	103%	0.015	0.043
3	22:43:14	0.096	104%	0.012	0.042
X		0.091	104%	0.014	0.043
?		0.006	0%	0.002	0.001

[redacted]	6.118	0	10.990	3.157

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Reviewed by: jaswal
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D3487-02S MH3BP5S 07/25/2012 10:47:46 PM
User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:48:54	85%	43.660	109.500	0.000	244300.000	162.000	155.400	158.200	1916.000
2	22:50:04	86%	44.280	102.000	0.000	243300.000	160.000	159.900	156.600	1903.000
3	22:51:12	86%	43.980	110.000	0.000	242600.000	160.800	157.500	155.400	1894.000
X		86%	43.970	107.200	0.000	243400.000	160.900	157.600	156.700	1904.000
?		0%	0.309	4.469	0.000	828.500	0.988	2.234	1.392	11.030
%RSD		0	0.703	4.170	0.000	0.340	0.614	1.418	0.889	0.579

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:48:54	6396.000	-12.350	0.000	0.000	13630.000	9397.000	9090.000	89%	0.820
2	22:50:04	6399.000	-13.560	0.000	0.000	13660.000	9097.000	9108.000	89%	1.056
3	22:51:12	6353.000	-10.260	0.000	0.000	13580.000	8878.000	9055.000	90%	0.993
X		6383.000	-12.060	0.000	0.000	13620.000	9124.000	9084.000	89%	0.956
?		25.830	1.670	0.000	0.000	41.340	260.500	26.640	0%	0.122
%RSD		0.405	13.850	0.000	0.000	0.303	2.856	0.293	0	12.800

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:48:54	435.700	174.400	13.070	943.200	453.300	957.800	942.800	449.700	440.300
2	22:50:04	440.400	174.100	14.550	942.100	453.200	956.000	952.700	448.200	444.600
3	22:51:12	437.600	173.900	12.900	921.500	453.500	951.200	936.400	445.500	439.100
X		437.900	174.100	13.510	935.600	453.300	955.000	944.000	447.800	441.300
?		2.366	0.291	0.907	12.240	0.166	3.425	8.217	2.140	2.881
%RSD		0.540	0.167	6.711	1.308	0.037	0.359	0.871	0.478	0.653

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:48:54	220.500	222.700	481.300	38.120	89.370	0.006	85.970	89.160	-0.389
2	22:50:04	222.900	228.000	481.600	38.120	87.840	0.073	90.900	87.650	0.839
3	22:51:12	221.500	222.900	473.900	38.550	91.780	-0.023	89.640	91.700	1.189
X		221.600	224.500	478.900	38.260	89.660	0.019	88.840	89.500	0.546
?		1.193	2.975	4.381	0.249	1.990	0.049	2.561	2.049	0.829
%RSD		0.538	1.325	0.915	0.650	2.219	264.900	2.883	2.289	151.800

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:48:54	274.300	271.700	1.037	1.188	2.592	5.286	4.915	5.987	5.588
2	22:50:04	272.100	274.200	0.986	0.983	2.507	5.958	5.134	5.716	5.692
3	22:51:12	272.800	271.400	0.911	0.942	2.597	5.752	5.110	5.891	5.838
X		273.100	272.400	0.978	1.038	2.565	5.665	5.053	5.864	5.706
?		1.081	1.517	0.063	0.132	0.051	0.345	0.120	0.137	0.125
%RSD		0.396	0.557	6.483	12.670	1.971	6.083	2.379	2.343	2.195

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:48:54	0.000	90%	37.380	39.380	-0.100	40.030	36.160	46.480	0.153
2	22:50:04	0.002	89%	36.140	39.100	1.132	40.900	35.510	46.430	0.151
3	22:51:12	0.009	89%	40.190	38.820	0.154	43.500	36.250	46.780	0.195
X		0.004	89%	37.900	39.100	0.395	41.480	35.970	46.560	0.167
?		0.005	1%	2.076	0.282	0.650	1.805	0.404	0.190	0.025
%RSD		117.800	1	5.476	0.722	164.500	4.352	1.124	0.408	15.010

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:48:54	91.190	1781.000	1789.000	101%	102%	44.920	46.480	18.110	18.480
2	22:50:04	91.810	1783.000	1794.000	100%	102%	44.420	45.950	18.310	18.690
3	22:51:12	90.740	1775.000	1790.000	100%	101%	45.150	46.470	18.610	18.720
X		91.250	1779.000	1791.000	101%	102%	44.830	46.300	18.340	18.630
?		0.533	4.243	2.576	0%	1%	0.374	0.301	0.251	0.130
%RSD		0.585	0.238	0.144	0	1	0.833	0.651	1.367	0.697

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	22:48:54	18.280	101%	0.021	0.044
2	22:50:04	18.420	101%	0.020	0.041
3	22:51:12	18.430	100%	0.019	0.045
X		18.370	101%	0.020	0.043
?		0.083	1%	0.001	0.002

[illegible]	0.450	1	6.799	4.289

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:53	87%	-0.012	96.710	0.000	211100.000	143.100	142.300	141.500	119.100
2	22:58:02	87%	0.002	95.580	0.000	213900.000	144.300	141.500	141.100	117.700
3	22:59:12	89%	0.019	99.170	0.000	218000.000	150.200	146.000	144.400	120.000
X		88%	0.003	97.150	0.000	214300.000	145.900	143.200	142.300	118.900
?		1%	0.016	1.837	0.000	3457.000	3.810	2.408	1.780	1.186
%RSD		1	476.400	1.891	0.000	1.613	2.612	1.681	1.250	0.997

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:53	5105.000	-12.970	0.000	0.000	11290.000	7772.000	7913.000	90%	0.976
2	22:58:02	5096.000	-12.130	0.000	0.000	11430.000	8092.000	8003.000	88%	0.724
3	22:59:12	5251.000	-12.070	0.000	0.000	11660.000	8217.000	8121.000	90%	1.304
X		5150.000	-12.390	0.000	0.000	11460.000	8027.000	8012.000	89%	1.001
?		86.880	0.500	0.000	0.000	190.200	229.400	104.300	1%	0.291
%RSD		1.687	4.033	0.000	0.000	1.660	2.858	1.302	1	29.060

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:53	-0.198	0.448	17.640	-13.730	0.224	3.240	34.440	0.080	-1.611
2	22:58:02	-0.102	0.431	20.090	-11.100	0.234	4.033	28.160	0.061	-1.673
3	22:59:12	0.082	0.372	20.140	-11.870	0.256	3.981	33.180	0.076	-1.743
X		-0.073	0.417	19.290	-12.230	0.238	3.752	31.920	0.072	-1.676
?		0.142	0.040	1.429	1.356	0.016	0.444	3.322	0.010	0.066
%RSD		195.100	9.529	7.410	11.080	6.769	11.820	10.410	13.760	3.937

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:53	0.593	0.462	4.425	0.675	0.683	0.176	0.378	0.683	-0.561
2	22:58:02	0.533	0.448	5.116	0.324	0.381	0.250	0.045	0.381	0.160
3	22:59:12	0.594	0.489	4.308	0.419	0.810	0.235	-0.060	0.809	-0.923
X		0.573	0.467	4.616	0.472	0.625	0.220	0.121	0.624	-0.441
?		0.035	0.021	0.437	0.182	0.220	0.039	0.229	0.220	0.551
%RSD		6.033	4.437	9.465	38.440	35.250	17.670	188.500	35.260	124.900

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:53	236.800	235.100	0.684	0.697	2.283	5.519	4.929	5.694	5.544
2	22:58:02	237.700	237.700	0.640	0.607	2.322	5.364	5.150	5.564	5.344
3	22:59:12	237.300	238.200	0.670	0.640	2.256	5.744	4.734	5.612	5.736
X		237.300	237.000	0.665	0.648	2.287	5.542	4.938	5.623	5.541
?		0.472	1.638	0.023	0.045	0.033	0.191	0.208	0.066	0.196
%RSD		0.199	0.691	3.385	6.965	1.456	3.451	4.206	1.169	3.531

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:53	0.000	87%	-1.381	0.195	0.872	0.068	0.143	-0.060	0.128
2	22:58:02	0.003	87%	0.149	0.093	0.022	0.194	0.118	0.022	0.132
3	22:59:12	0.014	90%	-0.758	0.119	0.596	0.246	0.115	-0.073	0.212
X		0.005	88%	-0.663	0.136	0.496	0.169	0.125	-0.037	0.157
?		0.007	1%	0.770	0.053	0.434	0.091	0.015	0.052	0.048
%RSD		129.600	2	116.000	39.130	87.370	54.040	12.130	139.600	30.260

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:56:53	0.120	17.290	16.610	98%	99%	0.008	0.023	-0.029	-0.036
2	22:58:02	0.100	16.770	16.940	97%	99%	0.005	0.004	-0.045	-0.003
3	22:59:12	0.109	16.760	17.190	100%	101%	0.019	-0.001	-0.044	-0.049
X		0.110	16.940	16.920	99%	99%	0.011	0.008	-0.039	-0.030
?		0.010	0.304	0.290	1%	1%	0.007	0.013	0.009	0.024
%RSD		8.901	1.798	1.716	1	1	67.600	148.700	22.470	80.100

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	22:56:53	-0.032	97%	0.010	0.037
2	22:58:02	-0.024	98%	0.009	0.037
3	22:59:12	-0.041	99%	0.010	0.037
X		-0.032	98%	0.010	0.037
?		0.009	1%	0.001	0.000

%RSD	27.080	1	9.711	0.592

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:53	86%	-0.026	107.500	0.000	243500.000	166.200	162.400	161.000	140.200
2	23:06:02	85%	-0.025	113.200	0.000	248800.000	168.100	168.000	168.800	143.600
3	23:07:11	85%	0.008	107.600	0.000	248800.000	167.800	164.300	163.500	139.900
X		85%	-0.014	109.400	0.000	247000.000	167.400	164.900	164.400	141.200
?		1%	0.019	3.259	0.000	3086.000	1.019	2.835	4.018	2.080
%RSD		1	138.000	2.978	0.000	1.249	0.609	1.719	2.443	1.473

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:53	6038.000	-9.204	0.000	0.000	13220.000	8748.000	9128.000	90%	0.779
2	23:06:02	6162.000	-10.840	0.000	0.000	13420.000	9185.000	9247.000	88%	0.830
3	23:07:11	6060.000	-12.660	0.000	0.000	13420.000	9237.000	9152.000	88%	0.707
X		6087.000	-10.900	0.000	0.000	13350.000	9057.000	9176.000	89%	0.772
?		65.910	1.729	0.000	0.000	114.000	268.300	62.730	1%	0.062
%RSD		1.083	15.860	0.000	0.000	0.853	2.962	0.684	1	8.041

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:53	-0.119	0.537	19.810	-9.861	0.509	5.970	34.140	0.034	-1.597
2	23:06:02	0.366	0.500	22.410	-6.350	0.472	6.850	33.900	0.016	-1.751
3	23:07:11	0.368	0.448	22.850	-7.762	0.482	6.366	34.710	0.013	-1.557
X		0.205	0.495	21.690	-7.991	0.488	6.395	34.250	0.021	-1.635
?		0.280	0.045	1.644	1.766	0.019	0.441	0.417	0.011	0.102
%RSD		136.600	9.012	7.580	22.110	3.945	6.891	1.216	53.060	6.266

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:53	0.697	0.593	6.051	1.195	0.572	0.151	0.020	0.572	0.424
2	23:06:02	0.821	0.619	6.590	0.728	0.463	0.219	-0.120	0.462	-0.959
3	23:07:11	0.701	0.649	6.487	0.544	0.682	0.267	0.347	0.680	1.580
X		0.740	0.620	6.376	0.822	0.572	0.212	0.082	0.571	0.349
?		0.070	0.028	0.286	0.336	0.110	0.058	0.240	0.109	1.271
%RSD		9.501	4.568	4.486	40.820	19.150	27.340	291.100	19.120	364.700

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:53	274.800	272.100	0.869	0.817	2.639	6.420	5.486	6.098	6.150
2	23:06:02	271.800	273.700	0.738	0.827	2.599	6.293	5.609	6.173	6.375
3	23:07:11	271.100	274.000	0.776	0.771	2.699	6.397	5.583	6.121	6.264
X		272.600	273.300	0.794	0.805	2.646	6.370	5.560	6.131	6.263
?		2.004	1.036	0.067	0.030	0.051	0.068	0.065	0.039	0.112
%RSD		0.735	0.379	8.471	3.693	1.910	1.062	1.166	0.630	1.794

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:53	0.000	87%	0.144	0.098	0.060	0.256	0.081	-0.052	0.167
2	23:06:02	0.003	89%	0.728	0.063	-0.504	-0.124	0.058	0.028	0.161
3	23:07:11	0.000	89%	-1.572	0.047	0.983	0.063	0.063	-0.075	0.190
X		0.001	88%	-0.233	0.069	0.180	0.065	0.067	-0.033	0.173
?		0.001	1%	1.196	0.026	0.751	0.190	0.012	0.054	0.015
%RSD		127.700	1	512.200	38.070	417.800	292.900	17.920	162.600	8.736

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:04:53	0.082	18.970	19.020	100%	101%	0.004	0.003	-0.035	0.009
2	23:06:02	0.091	19.000	18.500	101%	102%	0.006	-0.007	0.010	0.009
3	23:07:11	0.072	19.080	18.660	101%	102%	0.006	-0.004	0.011	0.014
X		0.082	19.010	18.730	100%	101%	0.005	-0.003	-0.005	0.010
?		0.010	0.058	0.265	0%	0%	0.001	0.005	0.026	0.003
%RSD		11.860	0.305	1.412	0	0	17.320	184.100	566.900	30.090

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	23:04:53	-0.006	101%	0.010	0.043
2	23:06:02	0.008	102%	0.013	0.045
3	23:07:11	0.004	102%	0.013	0.041
X		0.002	101%	0.012	0.043
?		0.007	1%	0.002	0.002

[illegible]	356.300	1	13.390	4.390

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:53	94%	0.024	97.370	0.000	225100.000	160.600	157.100	156.000	116.100
2	23:14:02	90%	-0.018	105.200	0.000	231000.000	166.500	159.100	160.900	116.600
3	23:15:11	92%	-0.028	103.700	0.000	229500.000	165.400	162.000	158.000	118.800
X		92%	-0.007	102.100	0.000	228500.000	164.200	159.400	158.300	117.200
?		2%	0.027	4.151	0.000	3036.000	3.112	2.484	2.476	1.458
%RSD		2	378.700	4.066	0.000	1.329	1.896	1.558	1.564	1.245

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:53	5307.000	-13.080	0.000	0.000	11840.000	8383.000	8464.000	95%	0.790
2	23:14:02	5344.000	-9.156	0.000	0.000	11850.000	8479.000	8508.000	93%	0.969
3	23:15:11	5469.000	-11.360	0.000	0.000	11900.000	8611.000	8539.000	95%	0.823
X		5373.000	-11.200	0.000	0.000	11870.000	8491.000	8503.000	95%	0.861
?		84.590	1.967	0.000	0.000	32.240	114.500	37.310	1%	0.095
%RSD		1.574	17.560	0.000	0.000	0.272	1.349	0.439	1	11.040

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:53	-0.263	0.518	16.580	-6.358	0.260	5.042	33.550	0.009	-1.762
2	23:14:02	0.367	0.475	18.170	-6.668	0.343	6.057	32.210	0.005	-1.785
3	23:15:11	0.010	0.479	19.350	-10.270	0.305	5.434	31.070	-0.012	-1.723
X		0.038	0.491	18.030	-7.767	0.303	5.511	32.280	0.000	-1.757
?		0.316	0.024	1.393	2.177	0.041	0.512	1.241	0.011	0.031
%RSD		835.000	4.869	7.726	28.030	13.690	9.283	3.844	3878.000	1.793

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:53	0.625	0.523	4.118	0.628	0.396	0.167	-0.163	0.395	-0.928
2	23:14:02	0.671	0.530	4.504	-0.034	-0.019	0.289	-0.064	-0.019	0.900
3	23:15:11	0.717	0.483	4.282	0.697	0.705	0.182	-0.645	0.704	-0.712
X		0.671	0.512	4.302	0.430	0.361	0.213	-0.291	0.360	-0.247
?		0.046	0.026	0.194	0.403	0.363	0.067	0.311	0.363	0.999
%RSD		6.879	4.983	4.510	93.740	100.600	31.400	107.000	100.700	405.200

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:53	249.600	247.200	0.551	0.609	2.286	5.516	4.936	5.622	5.818
2	23:14:02	249.900	249.600	0.550	0.614	2.431	5.638	4.900	5.777	6.067
3	23:15:11	250.900	251.100	0.529	0.530	2.275	5.729	5.164	5.849	5.921
X		250.100	249.300	0.544	0.584	2.331	5.628	5.000	5.749	5.935
?		0.671	1.953	0.013	0.047	0.087	0.107	0.143	0.116	0.125
%RSD		0.269	0.783	2.340	8.025	3.734	1.896	2.866	2.015	2.107

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:53	0.004	95%	-0.855	0.052	0.543	0.047	0.047	-0.082	0.170
2	23:14:02	0.000	93%	-0.426	0.050	0.355	0.172	0.057	-0.034	0.152
3	23:15:11	-0.002	94%	-0.660	0.060	0.460	0.108	0.059	-0.068	0.186
X		0.001	94%	-0.647	0.054	0.453	0.109	0.054	-0.061	0.169
?		0.003	1%	0.215	0.005	0.094	0.062	0.007	0.025	0.017
%RSD		390.000	1	33.200	9.799	20.860	57.240	12.330	40.280	9.950

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:12:53	0.076	18.050	17.790	105%	106%	-0.003	-0.007	-0.039	-0.023
2	23:14:02	0.073	17.760	17.840	103%	104%	-0.006	-0.019	-0.045	-0.035
3	23:15:11	0.072	17.910	17.910	104%	106%	-0.006	-0.015	-0.033	-0.024
X		0.074	17.910	17.850	104%	106%	-0.005	-0.014	-0.039	-0.027
?		0.002	0.145	0.057	1%	1%	0.002	0.006	0.006	0.007
%RSD		2.675	0.808	0.318	1	1	30.690	43.600	15.500	24.470

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	23:12:53	-0.032	106%	0.009	0.042
2	23:14:02	-0.034	104%	0.006	0.041
3	23:15:11	-0.027	105%	0.009	0.044
X		-0.031	105%	0.008	0.042
?		0.004	1%	0.001	0.001

%R3D	11.520	1	18.390	3.188

Reviewed by jaswal
On 7/26/2012 11:43:57
Inst Inst id :P6

D3487 -06 MH3BP9 07/25/2012 11:19:44 PM

User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:53	85%	0.003	113.500	0.000	264000.000	185.600	182.600	182.200	125.400
2	23:22:02	85%	0.023	116.400	0.000	265300.000	187.500	185.000	178.600	124.600
3	23:23:11	92%	-0.005	105.400	0.000	259300.000	181.800	177.800	179.200	122.700
X		87%	0.007	111.700	0.000	262900.000	184.900	181.800	180.000	124.200
?		4%	0.014	5.670	0.000	3165.000	2.901	3.650	1.903	1.401
%RSD		5	209.500	5.074	0.000	1.204	1.568	2.008	1.057	1.128

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:53	5825.000	-13.790	0.000	0.000	13480.000	9851.000	9866.000	88%	1.127
2	23:22:02	5831.000	-11.840	0.000	0.000	13610.000	9895.000	9820.000	87%	0.914
3	23:23:11	5826.000	-11.480	0.000	0.000	13300.000	9769.000	9791.000	92%	0.891
X		5827.000	-12.370	0.000	0.000	13460.000	9838.000	9826.000	89%	0.978
?		3.179	1.242	0.000	0.000	153.100	64.110	38.310	3%	0.130
%RSD		0.055	10.030	0.000	0.000	1.138	0.652	0.390	3	13.320

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:53	0.570	0.417	22.130	-8.799	0.194	5.930	37.050	-0.013	-2.258
2	23:22:02	0.191	0.355	24.400	-6.040	0.197	5.889	35.940	0.004	-2.264
3	23:23:11	-0.345	0.447	25.150	-8.229	0.200	6.011	37.040	-0.022	-2.173
X		0.139	0.406	23.890	-7.689	0.197	5.943	36.670	-0.010	-2.231
?		0.460	0.047	1.572	1.457	0.003	0.062	0.639	0.014	0.051
%RSD		331.400	11.560	6.580	18.940	1.619	1.045	1.742	130.100	2.283

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:53	0.602	0.465	3.441	0.612	0.822	0.244	-0.586	0.821	-0.915
2	23:22:02	0.689	0.461	3.574	1.103	1.272	0.220	0.007	1.270	-1.530
3	23:23:11	0.611	0.585	3.665	0.045	1.068	0.365	-0.514	1.067	-0.543
X		0.634	0.504	3.560	0.587	1.054	0.276	-0.364	1.052	-0.996
?		0.048	0.070	0.113	0.530	0.225	0.078	0.323	0.225	0.498
%RSD		7.524	13.970	3.170	90.270	21.350	28.180	88.750	21.370	50.030

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:53	286.600	289.100	0.661	0.702	2.396	5.965	5.287	5.934	6.011
2	23:22:02	288.500	289.700	0.687	0.729	2.517	5.952	5.396	6.118	6.285
3	23:23:11	287.200	287.100	0.669	0.633	2.398	6.115	5.335	6.074	6.438
X		287.500	288.600	0.672	0.688	2.437	6.011	5.340	6.042	6.244
?		0.965	1.386	0.013	0.049	0.069	0.091	0.055	0.096	0.216
%RSD		0.336	0.480	1.945	7.193	2.838	1.511	1.023	1.587	3.464

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:53	0.003	88%	-0.649	0.049	0.429	0.064	0.053	-0.100	0.104
2	23:22:02	0.009	87%	-0.299	0.050	0.150	-0.060	0.051	-0.029	0.175
3	23:23:11	0.002	90%	-0.654	0.046	0.395	-0.003	0.062	-0.107	0.091
X		0.005	89%	-0.534	0.048	0.325	0.001	0.055	-0.079	0.123
?		0.004	2%	0.204	0.002	0.152	0.062	0.006	0.043	0.045
%RSD		83.910	2	38.110	4.507	46.960	9921.000	10.390	55.120	36.580

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:20:53	0.052	19.890	20.100	100%	102%	-0.008	-0.008	-0.081	-0.036
2	23:22:02	0.078	20.290	19.670	99%	101%	-0.014	-0.014	-0.068	-0.027
3	23:23:11	0.090	19.060	19.440	102%	103%	-0.017	-0.019	-0.046	-0.056
X		0.073	19.750	19.740	101%	102%	-0.013	-0.014	-0.065	-0.040
?		0.020	0.623	0.336	1%	1%	0.004	0.006	0.018	0.015
%RSD		26.970	3.157	1.704	1	1	32.270	41.250	27.240	37.180

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	23:20:53	-0.054	100%	0.014	0.044
2	23:22:02	-0.046	100%	0.011	0.047
3	23:23:11	-0.050	101%	0.010	0.051
X		-0.050	100%	0.012	0.047
?		0.004	1%	0.002	0.003

%R3D	7.954	1	19.390	6.768

7/26/2012 12:46:20 AM

Reviewed by: jaswal
On 7/26/2012 11:43:57
Ast
Inst Id :P6

CCV14 07/25/2012 11:27:42 PM

User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:51	90%	486.200	489.300	0.000	49680.000	49350.000	49440.000	48820.000	9780.000
2	23:30:00	89%	482.400	484.400	0.000	49890.000	49480.000	49070.000	48920.000	9795.000
3	23:31:09	88%	491.700	495.600	0.000	50540.000	49880.000	49790.000	49400.000	9807.000
X		89%	486.700	489.800	0.000	50040.000	49570.000	49430.000	49050.000	9794.000
?		1%	4.676	5.604	0.000	445.000	276.900	363.900	311.800	13.630
%RSD		1	0.961	1.144	0.000	0.889	0.559	0.736	0.636	0.139

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:51	461.900	9759.000	0.000	0.000	25350.000	51130.000	50640.000	91%	505.100
2	23:30:00	466.600	9632.000	0.000	0.000	25230.000	50080.000	50140.000	90%	498.100
3	23:31:09	469.600	9800.000	0.000	0.000	25480.000	50650.000	50490.000	91%	499.000
X		466.000	9731.000	0.000	0.000	25350.000	50620.000	50420.000	91%	500.700
?		3.911	87.600	0.000	0.000	127.500	528.500	255.800	0%	3.782
%RSD		0.839	0.900	0.000	0.000	0.503	1.044	0.507	0	0.755

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:51	496.100	500.300	-9.523	25470.000	1046.000	25340.000	26040.000	504.900	506.200
2	23:30:00	498.100	497.600	-14.390	25370.000	1036.000	25340.000	25900.000	502.300	503.300
3	23:31:09	495.600	498.300	-11.360	25300.000	1036.000	25440.000	26000.000	503.600	504.900
X		496.600	498.700	-11.760	25380.000	1039.000	25370.000	25980.000	503.600	504.800
?		1.317	1.399	2.457	88.800	5.981	60.080	72.570	1.321	1.406
%RSD		0.265	0.281	20.900	0.350	0.575	0.237	0.279	0.262	0.279

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:51	1008.000	1007.000	1021.000	493.900	508.100	-0.880	511.400	507.600	-0.649
2	23:30:00	1015.000	1012.000	1030.000	499.900	515.700	-1.132	509.500	515.600	1.665
3	23:31:09	1007.000	1003.000	1026.000	498.800	506.800	-0.992	507.600	506.200	-0.950
X		1010.000	1007.000	1026.000	497.600	510.200	-1.001	509.500	509.800	0.022
?		4.680	4.671	4.560	3.205	4.793	0.127	1.892	5.038	1.431
%RSD		0.464	0.464	0.445	0.644	0.939	12.640	0.371	0.988	6565.000

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:51	503.800	501.100	485.800	478.700	484.600	496.800	494.000	491.700	492.700
2	23:30:00	501.400	507.600	497.400	496.200	499.900	501.000	498.300	495.900	501.400
3	23:31:09	502.000	506.000	495.500	496.000	497.000	497.200	498.000	496.400	494.700
X		502.400	504.900	492.900	490.300	493.800	498.300	496.800	494.700	496.300
?		1.229	3.358	6.232	10.060	8.127	2.287	2.394	2.613	4.551
%RSD		0.245	0.665	1.264	2.052	1.646	0.459	0.482	0.528	0.917

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:51	0.000	90%	492.300	82.520	-16.620	500.400	75.330	503.400	496.700
2	23:30:00	0.012	89%	507.600	82.130	-18.850	512.600	76.330	509.900	505.300
3	23:31:09	0.002	90%	493.200	82.320	-16.140	502.100	74.940	504.600	499.400
X		0.005	90%	497.700	82.320	-17.200	505.000	75.530	506.000	500.400
?		0.006	1%	8.604	0.193	1.446	6.591	0.718	3.476	4.392
%RSD		126.600	1	1.729	0.235	8.407	1.305	0.950	0.687	0.878

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:28:51	489.500	2460.000	2479.000	99%	100%	499.200	511.400	501.700	503.400
2	23:30:00	501.900	2487.000	2492.000	99%	99%	494.900	502.600	499.100	504.500
3	23:31:09	499.100	2485.000	2492.000	99%	100%	494.800	501.500	499.700	502.500
X		496.800	2477.000	2487.000	99%	100%	496.300	505.200	500.200	503.500
?		6.500	14.540	7.672	0%	0%	2.530	5.438	1.361	0.969
%RSD		1.308	0.587	0.308	0	0	0.510	1.076	0.272	0.193

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	23:28:51	506.000	98%	501.600	500.600
2	23:30:00	507.100	98%	503.300	501.900
3	23:31:09	505.600	99%	500.500	502.500
X		506.200	99%	501.800	501.700
?		0.812	1%	1.399	0.935

%RSD	0.160	1	0.279	0.186

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User Pre-dilution: 1.000

Seq: 7/26/2012 jaswal
Out: 7/26/2012 11:43:57
Inst Id: P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:48	90%	0.068	10.910	0.000	-18.880	2.648	2.794	2.845	0.295
2	23:37:57	88%	0.048	8.941	0.000	-5.954	4.333	4.842	4.139	0.699
3	23:39:06	89%	0.125	6.346	0.000	5.762	7.100	8.533	7.369	1.152
X		89%	0.080	8.733	0.000	-6.358	4.694	5.390	4.784	0.715
?		1%	0.040	2.290	0.000	12.330	2.247	2.908	2.330	0.429
%RSD		1	49.830	26.220	0.000	193.900	47.880	53.960	48.700	59.930

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:48	0.378	-1.752	0.000	0.000	-14.300	-3.026	-1.117	92%	-0.076
2	23:37:57	0.529	-3.191	0.000	0.000	-8.982	6.902	1.777	89%	0.053
3	23:39:06	0.676	-0.757	0.000	0.000	-9.347	9.521	0.687	90%	0.032
X		0.528	-1.900	0.000	0.000	-10.880	4.466	0.449	90%	0.003
?		0.149	1.224	0.000	0.000	2.974	6.619	1.462	1%	0.069
%RSD		28.210	64.430	0.000	0.000	27.340	148.200	325.700	2	2291.000

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:48	-0.104	0.003	-11.430	-2.706	-0.305	-3.900	-5.571	0.028	0.197
2	23:37:57	-0.301	-0.044	-10.810	-1.351	-0.228	-2.908	-6.801	0.027	0.304
3	23:39:06	0.221	-0.042	-11.950	-0.310	-0.216	-2.571	-7.291	0.093	0.267
X		-0.061	-0.028	-11.400	-1.455	-0.250	-3.126	-6.554	0.049	0.256
?		0.263	0.026	0.572	1.201	0.048	0.691	0.886	0.038	0.054
%RSD		430.000	94.980	5.021	82.530	19.360	22.100	13.520	76.280	21.120

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:48	-0.001	-0.036	-0.049	0.257	0.191	-0.093	-0.408	0.191	-0.300
2	23:37:57	-0.014	-0.010	-0.122	0.031	-0.344	-0.061	-0.056	-0.341	1.213
3	23:39:06	0.042	0.036	-0.044	0.187	-0.312	-0.082	0.070	-0.310	1.940
X		0.009	-0.004	-0.072	0.158	-0.155	-0.078	-0.131	-0.153	0.951
?		0.030	0.037	0.044	0.116	0.300	0.016	0.248	0.298	1.143
%RSD		330.100	1019.000	61.090	73.070	193.400	20.970	189.000	194.600	120.100

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:48	-0.024	0.024	0.499	0.476	0.544	0.866	0.732	0.734	0.742
2	23:37:57	0.006	0.066	0.499	0.533	0.515	0.538	0.535	0.489	0.567
3	23:39:06	0.011	0.119	0.466	0.463	0.399	0.416	0.391	0.445	0.462
X		-0.002	0.070	0.488	0.491	0.486	0.607	0.553	0.556	0.590
?		0.019	0.047	0.019	0.037	0.077	0.232	0.171	0.156	0.142
%RSD		795.500	67.930	3.941	7.562	15.770	38.290	30.900	28.020	23.970

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:48	0.004	95%	-0.010	0.320	0.068	0.107	0.324	-0.062	0.994
2	23:37:57	0.000	93%	-0.355	0.319	0.212	-0.007	0.297	-0.019	0.689
3	23:39:06	0.002	94%	-0.537	0.345	0.320	-0.009	0.256	-0.057	0.595
X		0.002	94%	-0.301	0.328	0.200	0.030	0.292	-0.046	0.759
?		0.002	1%	0.267	0.014	0.127	0.067	0.035	0.024	0.209
%RSD		92.820	1	88.890	4.388	63.380	219.100	11.800	51.270	27.520

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:36:48	1.600	0.177	0.133	101%	102%	0.110	0.097	-0.176	-0.144
2	23:37:57	1.133	0.256	0.200	100%	101%	0.104	0.103	-0.158	-0.158
3	23:39:06	0.879	0.413	0.345	101%	102%	0.120	0.129	-0.138	-0.117
X		1.204	0.282	0.226	101%	102%	0.111	0.110	-0.157	-0.140
?		0.365	0.120	0.108	0%	0%	0.008	0.017	0.019	0.021
%RSD		30.330	42.640	47.950	0	0	7.216	15.310	12.130	15.180

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	23:36:48	-0.158	105%	0.566	0.067
2	23:37:57	-0.155	105%	0.375	0.062
3	23:39:06	-0.130	106%	0.309	0.084
X		-0.148	105%	0.417	0.071
?		0.015	0%	0.134	0.011

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%R3D	10.380	0	32.060	16.010

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:46	85%	0.033	93.260	0.000	217500.000	168.500	161.300	165.400	97.230
2	23:45:55	88%	0.029	91.240	0.000	217000.000	169.300	165.900	162.000	98.260
3	23:47:04	89%	0.070	94.310	0.000	217400.000	170.600	165.900	163.800	98.150
X		87%	0.044	92.940	0.000	217300.000	169.500	164.400	163.700	97.880
?		2%	0.023	1.559	0.000	244.000	1.077	2.663	1.690	0.564
%RSD		3	51.410	1.678	0.000	0.112	0.636	1.620	1.032	0.576

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:46	4602.000	-14.660	0.000	0.000	10670.000	7917.000	8035.000	88%	0.941
2	23:45:55	4639.000	-13.870	0.000	0.000	10610.000	8141.000	8022.000	91%	0.981
3	23:47:04	4694.000	-13.240	0.000	0.000	10720.000	8230.000	8130.000	90%	0.739
X		4645.000	-13.920	0.000	0.000	10670.000	8096.000	8062.000	90%	0.887
?		46.040	0.708	0.000	0.000	57.700	161.300	58.560	1%	0.130
%RSD		0.991	5.087	0.000	0.000	0.541	1.992	0.726	1	14.650

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:46	-0.258	0.553	17.130	-7.450	0.370	7.818	39.540	0.031	-1.440
2	23:45:55	-0.863	0.552	19.580	-7.059	0.304	7.505	39.780	0.025	-1.495
3	23:47:04	-0.032	0.571	20.520	-7.243	0.319	8.247	32.840	0.042	-1.535
X		-0.384	0.559	19.080	-7.251	0.331	7.857	37.390	0.033	-1.490
?		0.429	0.011	1.749	0.196	0.034	0.372	3.939	0.009	0.047
%RSD		111.800	1.880	9.169	2.702	10.410	4.740	10.540	27.030	3.176

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:46	0.802	0.472	4.081	-0.051	0.684	0.262	0.261	0.683	-1.252
2	23:45:55	0.687	0.507	3.613	0.212	0.539	0.239	0.288	0.538	0.558
3	23:47:04	0.681	0.500	3.698	0.266	0.701	0.241	0.412	0.699	1.382
X		0.724	0.493	3.798	0.142	0.641	0.247	0.320	0.640	0.229
?		0.068	0.019	0.249	0.170	0.089	0.013	0.081	0.089	1.347
%RSD		9.441	3.770	6.556	119.500	13.870	5.213	25.140	13.850	587.500

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:46	234.600	234.300	12.260	12.090	9.950	4.486	5.650	4.566	4.505
2	23:45:55	234.100	235.600	8.562	8.335	7.147	4.386	5.087	4.331	4.357
3	23:47:04	232.500	234.500	6.416	6.576	5.696	4.578	4.603	4.307	4.569
X		233.700	234.800	9.081	9.001	7.598	4.483	5.113	4.401	4.477
?		1.108	0.704	2.958	2.817	2.163	0.096	0.524	0.143	0.109
%RSD		0.474	0.300	32.580	31.300	28.470	2.141	10.250	3.240	2.430

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:46	0.000	88%	1.664	0.878	-0.224	1.384	0.788	0.083	0.475
2	23:45:55	0.002	90%	0.360	0.934	0.026	0.429	0.821	0.022	0.457
3	23:47:04	0.000	90%	1.453	0.885	-0.324	0.980	0.744	0.053	0.334
X		0.001	89%	1.159	0.899	-0.174	0.931	0.784	0.053	0.422
?		0.001	1%	0.700	0.030	0.181	0.480	0.039	0.031	0.077
%RSD		129.800	1	60.390	3.352	103.800	51.500	4.963	58.060	18.200

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:44:46	0.311	16.450	16.790	99%	101%	0.462	0.480	-0.022	-0.037
2	23:45:55	0.318	16.310	16.660	102%	102%	0.285	0.281	-0.012	0.009
3	23:47:04	0.274	16.480	16.590	100%	102%	0.168	0.221	-0.025	-0.001
X		0.301	16.410	16.680	100%	102%	0.305	0.327	-0.020	-0.009
?		0.024	0.089	0.103	1%	0%	0.148	0.135	0.007	0.024
%RSD		7.824	0.543	0.617	1	0	48.440	41.360	33.960	255.800

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	23:44:46	-0.000	101%	0.109	0.074
2	23:45:55	0.006	102%	0.100	0.077
3	23:47:04	-0.016	101%	0.096	0.079
X		-0.004	101%	0.102	0.077
?		0.011	1%	0.007	0.003

%R3D	303.900	1	6.677	3.613

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:44	93%	0.875	13.180	0.000	472.300	511.900	508.400	509.800	20.510
2	23:53:53	88%	0.915	13.880	0.000	485.200	521.000	504.200	508.100	20.520
3	23:55:02	89%	0.946	12.800	0.000	481.000	519.100	514.400	509.600	20.930
X		90%	0.912	13.290	0.000	479.500	517.400	509.000	509.200	20.650
?		3%	0.035	0.548	0.000	6.570	4.777	5.155	0.950	0.236
%RSD		3	3.859	4.123	0.000	1.370	0.923	1.013	0.187	1.141

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:44	9.432	40.600	0.000	0.000	498.900	499.400	513.200	91%	4.772
2	23:53:53	10.020	41.720	0.000	0.000	505.500	532.100	503.500	89%	4.449
3	23:55:02	9.733	44.200	0.000	0.000	506.500	518.800	510.600	88%	4.764
X		9.727	42.170	0.000	0.000	503.600	516.800	509.100	90%	4.662
?		0.293	1.845	0.000	0.000	4.117	16.450	5.023	2%	0.185
%RSD		3.011	4.376	0.000	0.000	0.818	3.183	0.987	2	3.960

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:44	5.338	2.020	-9.982	211.400	0.854	211.800	201.600	0.966	1.212
2	23:53:53	4.947	2.077	-9.598	210.100	0.840	210.700	198.800	1.027	1.282
3	23:55:02	5.180	2.044	-10.110	209.200	0.813	212.400	200.300	1.024	1.194
X		5.155	2.047	-9.896	210.200	0.835	211.700	200.300	1.006	1.230
?		0.197	0.028	0.265	1.078	0.021	0.857	1.391	0.034	0.046
%RSD		3.820	1.390	2.678	0.513	2.522	0.405	0.695	3.400	3.768

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:44	2.046	2.247	5.355	0.937	4.711	-0.057	4.843	4.694	-0.854
2	23:53:53	2.032	2.053	5.425	1.262	5.403	-0.103	5.223	5.388	-0.721
3	23:55:02	1.964	2.093	5.181	1.569	4.824	-0.142	5.021	4.804	-0.753
X		2.014	2.131	5.320	1.256	4.979	-0.101	5.029	4.962	-0.776
?		0.044	0.102	0.126	0.316	0.371	0.043	0.191	0.373	0.069
%RSD		2.176	4.806	2.361	25.180	7.459	42.540	3.788	7.512	8.925

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:44	1.071	0.959	0.393	0.416	1.873	4.529	3.834	4.911	4.703
2	23:53:53	0.789	1.018	0.317	0.436	1.862	4.540	4.043	4.839	4.784
3	23:55:02	0.881	0.944	0.369	0.419	1.878	4.920	3.940	4.596	4.635
X		0.914	0.974	0.360	0.424	1.871	4.663	3.939	4.782	4.707
?		0.144	0.039	0.039	0.011	0.009	0.223	0.105	0.165	0.075
%RSD		15.780	4.027	10.710	2.539	0.458	4.779	2.660	3.449	1.591

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:44	0.000	93%	-0.904	1.725	0.842	0.529	1.694	0.885	4.750
2	23:53:53	0.007	90%	-0.307	1.816	0.703	0.924	1.763	0.832	4.849
3	23:55:02	0.002	91%	1.020	1.813	-0.272	0.610	1.556	0.881	4.687
X		0.003	91%	-0.063	1.785	0.424	0.687	1.671	0.866	4.762
?		0.003	2%	0.985	0.052	0.607	0.209	0.105	0.029	0.082
%RSD		108.900	2	1555.000	2.892	143.200	30.390	6.308	3.385	1.717

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:52:44	2.074	10.050	10.120	99%	100%	0.982	0.980	0.779	0.795
2	23:53:53	2.201	10.230	10.230	97%	98%	0.980	0.951	0.772	0.793
3	23:55:02	2.100	9.292	9.771	97%	97%	0.973	1.001	0.854	0.844
X		2.125	9.858	10.040	98%	98%	0.978	0.978	0.801	0.811
?		0.067	0.499	0.239	1%	1%	0.005	0.025	0.045	0.029
%RSD		3.169	5.059	2.382	1	1	0.474	2.602	5.644	3.563

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	23:52:44	0.794	102%	0.741	0.961
2	23:53:53	0.776	100%	0.840	0.958
3	23:55:02	0.849	99%	0.900	0.991
X		0.806	100%	0.827	0.970
?		0.038	1%	0.080	0.018

%RSD	4.706	1	9.707	1.868

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User Pre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:42	87%	0.725	11.700	0.000	503.700	503.900	488.900	492.900	19.730
2	00:01:51	86%	1.033	11.950	0.000	521.200	506.100	486.800	494.400	19.200
3	00:03:01	87%	0.884	11.190	0.000	549.500	506.300	495.900	489.700	19.980
X		87%	0.881	11.610	0.000	524.800	505.400	490.500	492.300	19.640
?		0%	0.154	0.390	0.000	23.140	1.306	4.776	2.352	0.396
%RSD		0	17.510	3.361	0.000	4.408	0.258	0.974	0.478	2.014

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:42	13.620	42.610	0.000	0.000	495.800	513.600	473.200	89%	4.744
2	00:01:51	14.830	43.670	0.000	0.000	495.700	495.100	492.500	89%	4.729
3	00:03:01	15.360	44.630	0.000	0.000	497.400	443.000	483.500	89%	4.487
X		14.600	43.640	0.000	0.000	496.300	483.900	483.100	89%	4.653
?		0.891	1.010	0.000	0.000	0.931	36.630	9.667	0%	0.144
%RSD		6.101	2.315	0.000	0.000	0.188	7.569	2.001	0	3.102

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:42	4.931	1.747	-12.030	203.400	0.677	203.200	192.700	0.948	1.169
2	00:01:51	5.019	1.714	-12.340	201.900	0.685	204.400	194.100	0.990	1.196
3	00:03:01	5.063	1.908	-12.950	204.500	0.684	202.800	197.500	1.001	1.262
X		5.004	1.789	-12.440	203.300	0.682	203.500	194.800	0.980	1.209
?		0.067	0.104	0.466	1.326	0.004	0.857	2.471	0.028	0.048
%RSD		1.344	5.803	3.744	0.653	0.615	0.421	1.269	2.880	3.979

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:42	1.904	1.834	1.978	1.682	5.752	-0.180	4.493	5.723	-1.832
2	00:01:51	1.835	1.815	1.982	0.853	4.523	-0.059	5.569	4.503	-2.689
3	00:03:01	2.040	1.922	2.047	0.961	5.090	-0.079	5.061	5.068	-0.481
X		1.926	1.857	2.003	1.165	5.122	-0.106	5.041	5.098	-1.668
?		0.105	0.057	0.039	0.451	0.615	0.065	0.538	0.611	1.113
%RSD		5.424	3.077	1.933	38.700	12.000	61.260	10.670	11.980	66.760

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:42	0.963	0.940	0.316	0.376	1.819	4.646	4.014	4.454	4.615
2	00:01:51	0.892	0.935	0.336	0.346	1.737	4.680	3.964	4.640	4.566
3	00:03:01	1.017	1.020	0.327	0.315	1.651	4.633	3.972	4.572	4.574
X		0.957	0.965	0.326	0.346	1.736	4.653	3.983	4.555	4.585
?		0.063	0.048	0.010	0.031	0.084	0.024	0.027	0.094	0.026
%RSD		6.551	4.954	2.958	8.838	4.850	0.524	0.678	2.068	0.570

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:42	0.005	92%	1.613	1.730	-0.601	0.660	1.557	0.879	4.705
2	00:01:51	-0.002	92%	1.304	1.664	-0.147	1.139	1.649	0.767	4.832
3	00:03:01	0.002	91%	0.640	1.805	-0.047	0.603	1.611	1.050	4.750
X		0.002	92%	1.186	1.733	-0.265	0.800	1.606	0.899	4.763
?		0.003	0%	0.497	0.071	0.296	0.295	0.047	0.142	0.064
%RSD		202.800	0	41.940	4.078	111.600	36.810	2.897	15.840	1.346

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:00:42	1.979	9.309	9.279	99%	100%	0.902	0.953	0.714	0.773
2	00:01:51	1.989	9.467	9.652	99%	100%	0.956	1.002	0.751	0.789
3	00:03:01	1.938	9.361	9.574	99%	100%	0.957	0.971	0.743	0.781
X		1.969	9.379	9.502	99%	100%	0.939	0.975	0.736	0.781
?		0.027	0.080	0.197	0%	0%	0.031	0.025	0.020	0.008
%RSD		1.368	0.856	2.072	0	0	3.352	2.539	2.651	1.057

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	00:00:42	0.752	103%	0.782	0.948
2	00:01:51	0.780	103%	0.882	0.974
3	00:03:01	0.752	104%	0.881	0.945
X		0.761	103%	0.848	0.956
?		0.017	1%	0.057	0.016

%R3D	2.170	1	6.768	1.671

Reviewed by jaswal
On 7/26/2012 11:43:57
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CCV15 07/26/2012 12:07:32AM

UserPre-dilution:1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:41	85%	488.900	474.500	0.000	50500.000	49850.000	49500.000	49010.000	9722.000
2	00:09:50	86%	487.700	495.300	0.000	50180.000	49470.000	48880.000	48570.000	9719.000
3	00:10:59	86%	494.100	483.400	0.000	50880.000	50240.000	49860.000	49330.000	9789.000
X		85%	490.300	484.400	0.000	50520.000	49850.000	49410.000	48970.000	9744.000
?		1%	3.412	10.440	0.000	351.000	381.400	492.800	383.800	39.770
%RSD		1	0.696	2.155	0.000	0.695	0.765	0.997	0.784	0.408

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:41	471.300	9648.000	0.000	0.000	25490.000	50900.000	50480.000	88%	504.400
2	00:09:50	469.200	9631.000	0.000	0.000	25150.000	50120.000	50180.000	91%	499.700
3	00:10:59	483.700	9681.000	0.000	0.000	25450.000	50990.000	50740.000	89%	506.500
X		474.700	9653.000	0.000	0.000	25370.000	50670.000	50460.000	90%	503.500
?		7.854	25.060	0.000	0.000	184.400	479.500	280.900	2%	3.486
%RSD		1.654	0.260	0.000	0.000	0.727	0.946	0.557	2	0.692

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:41	493.400	497.000	-16.870	25160.000	1039.000	25350.000	26020.000	501.800	498.800
2	00:09:50	489.600	492.300	-15.010	25060.000	1033.000	25320.000	25800.000	498.700	503.900
3	00:10:59	494.400	498.500	-14.990	25350.000	1046.000	25520.000	26030.000	504.800	509.700
X		492.500	495.900	-15.620	25190.000	1039.000	25400.000	25950.000	501.800	504.100
?		2.561	3.273	1.083	148.500	6.435	110.500	127.300	3.075	5.431
%RSD		0.520	0.660	6.931	0.590	0.619	0.435	0.491	0.613	1.077

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:41	1002.000	1003.000	1027.000	500.200	515.700	-1.868	509.000	513.600	0.315
2	00:09:50	994.300	999.000	1011.000	498.200	507.300	-1.367	503.400	506.500	-0.200
3	00:10:59	1002.000	1010.000	1030.000	495.100	508.900	-0.843	504.900	507.400	1.378
X		999.500	1004.000	1023.000	497.900	510.600	-1.359	505.800	509.200	0.498
?		4.472	5.705	10.230	2.550	4.419	0.513	2.857	3.893	0.805
%RSD		0.448	0.568	1.000	0.512	0.865	37.750	0.565	0.765	161.800

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:41	501.300	501.400	488.200	495.500	491.000	493.300	496.200	494.500	491.200
2	00:09:50	501.400	503.000	494.700	492.000	498.000	498.300	496.600	496.400	498.800
3	00:10:59	505.900	509.000	497.800	496.500	498.500	501.700	503.700	500.000	498.400
X		502.900	504.500	493.600	494.700	495.800	497.800	498.800	496.900	496.100
?		2.646	4.012	4.932	2.354	4.206	4.183	4.180	2.795	4.254
%RSD		0.526	0.795	0.999	0.476	0.848	0.840	0.838	0.563	0.858

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:41	0.005	90%	499.300	81.910	-17.720	505.700	74.420	505.300	499.500
2	00:09:50	0.011	91%	505.600	82.480	-23.250	502.600	75.910	509.400	506.300
3	00:10:59	0.002	91%	501.800	83.210	-18.960	506.200	75.210	509.800	509.200
X		0.006	90%	502.200	82.530	-19.980	504.800	75.180	508.200	505.000
?		0.005	0%	3.152	0.652	2.906	1.981	0.743	2.499	4.975
%RSD		74.780	0	0.628	0.790	14.550	0.392	0.989	0.492	0.985

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:08:41	496.900	2476.000	2473.000	100%	102%	494.100	498.700	498.000	500.800
2	00:09:50	502.600	2491.000	2487.000	101%	102%	497.800	500.300	502.800	505.100
3	00:10:59	505.500	2493.000	2492.000	101%	103%	501.400	507.100	505.100	509.300
X		501.700	2487.000	2484.000	101%	102%	497.800	502.000	502.000	505.100
?		4.403	9.295	9.634	1%	1%	3.664	4.452	3.616	4.216
%RSD		0.878	0.374	0.388	1	1	0.736	0.887	0.720	0.835

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	00:08:41	504.300	102%	503.800	507.100
2	00:09:50	507.200	103%	505.400	509.100
3	00:10:59	510.900	102%	507.900	510.900
X		507.500	102%	505.700	509.000
?		3.275	0%	2.043	1.917

[redacted]	0.645	0	0.404	0.377

7/26/2012 12:46:20 AM

CCB15 07/26/2012 12:15:31AM

UserPre-dilution:1.000

Inst Id :P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:40	88%	0.090	10.630	0.000	-31.800	3.490	3.624	4.576	0.698
2	00:17:49	89%	0.087	7.444	0.000	-33.380	3.360	2.993	4.056	0.763
3	00:18:58	88%	0.140	5.717	0.000	-20.190	9.406	10.100	9.275	1.723
X		89%	0.106	7.929	0.000	-28.460	5.419	5.571	5.969	1.061
?		1%	0.029	2.490	0.000	7.204	3.454	3.932	2.875	0.574
%RSD		1	27.830	31.400	0.000	25.320	63.740	70.580	48.160	54.060

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:40	-0.763	0.552	0.000	0.000	-13.580	2.031	-1.814	89%	-0.038
2	00:17:49	0.210	0.028	0.000	0.000	-14.210	-3.666	-1.173	89%	-0.055
3	00:18:58	-0.394	0.889	0.000	0.000	-6.843	3.117	3.885	88%	0.036
X		-0.316	0.490	0.000	0.000	-11.540	0.494	0.299	89%	-0.019
?		0.491	0.434	0.000	0.000	4.083	3.643	3.121	0%	0.048
%RSD		155.500	88.620	0.000	0.000	35.370	737.500	1042.000	0	253.300

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:40	0.166	-0.038	-14.350	-3.575	-0.260	-3.102	-7.699	0.032	0.250
2	00:17:49	0.080	-0.062	-14.870	-0.755	-0.267	-2.202	-1.003	0.044	0.279
3	00:18:58	-0.142	0.010	-14.300	1.126	-0.165	0.156	-4.491	0.078	0.295
X		0.035	-0.030	-14.510	-1.068	-0.231	-1.716	-4.398	0.051	0.275
?		0.159	0.037	0.313	2.366	0.057	1.683	3.349	0.024	0.023
%RSD		457.700	123.500	2.160	221.600	24.570	98.060	76.160	46.030	8.339

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:40	0.016	0.015	-0.127	-0.021	-0.187	-0.071	0.451	-0.185	-0.671
2	00:17:49	0.040	-0.010	-0.121	0.174	0.592	-0.116	1.186	0.589	-3.178
3	00:18:58	0.141	0.072	0.009	0.382	0.189	-0.109	0.695	0.188	-1.031
X		0.066	0.026	-0.080	0.178	0.198	-0.099	0.778	0.197	-1.627
?		0.067	0.042	0.077	0.202	0.389	0.024	0.375	0.387	1.355
%RSD		101.500	164.100	96.060	113.300	196.700	24.310	48.180	196.200	83.310

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:40	0.022	0.053	0.499	0.550	0.626	0.751	0.700	0.893	0.814
2	00:17:49	0.002	0.031	0.429	0.447	0.490	0.559	0.508	0.561	0.631
3	00:18:58	0.000	0.115	0.456	0.457	0.465	0.507	0.502	0.486	0.514
X		0.008	0.067	0.462	0.485	0.527	0.606	0.570	0.647	0.653
?		0.012	0.044	0.035	0.057	0.087	0.129	0.113	0.217	0.151
%RSD		149.200	65.590	7.664	11.700	16.450	21.240	19.770	33.540	23.160

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:40	0.005	92%	-1.218	0.176	0.902	0.299	0.182	-0.124	0.938
2	00:17:49	0.007	92%	-0.459	0.193	0.309	0.055	0.177	-0.063	0.667
3	00:18:58	0.000	90%	-0.405	0.195	0.246	-0.001	0.146	0.019	0.581
X		0.004	91%	-0.694	0.188	0.486	0.118	0.169	-0.056	0.729
?		0.003	1%	0.455	0.011	0.362	0.159	0.020	0.072	0.186
%RSD		85.990	1	65.460	5.613	74.580	135.400	11.610	127.500	25.580

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:16:40	1.778	0.146	0.163	99%	100%	0.094	0.104	-0.169	-0.158
2	00:17:49	1.142	0.121	0.193	99%	99%	0.082	0.100	-0.188	-0.146
3	00:18:58	1.015	0.529	0.422	97%	98%	0.169	0.167	-0.096	-0.094
X		1.312	0.266	0.260	98%	99%	0.115	0.123	-0.151	-0.132
?		0.408	0.229	0.142	1%	1%	0.047	0.038	0.048	0.034
%RSD		31.130	86.210	54.570	1	1	41.220	30.470	32.040	25.590

Run	Time	208Pb	209Bi	232Th	238U
		ppb	ppb	ppb	ppb
1	00:16:40	-0.160	102%	0.553	0.070
2	00:17:49	-0.164	102%	0.346	0.052
3	00:18:58	-0.097	100%	0.304	0.096
X		-0.140	101%	0.401	0.073
?		0.038	1%	0.133	0.022

[redacted]	26.870	1	33.250	30.260

[redacted]

7/26/2012 12:46:20 AM

Mass Uncorrected ICPS

Rev 7/26/2012 jaswal
Out 7/26/2012 11:43:57
Inst Id :P6

S0 (S0) 07/25/2012 12:19:40 PM

User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	12:20:49	50866.962	8.854	6.250	1159.422	116841.500	1182.862	151.563	135.938	2242.363
2	12:21:58	52637.421	7.292	15.625	1114.106	115838.060	1135.983	156.251	185.939	2473.652
3	12:23:07	53131.432	6.250	14.063	1075.040	121669.050	1242.242	153.126	140.626	2467.401
X		52211.939	7.465	11.979	1116.190	118116.200	1187.029	153.647	154.168	2394.472
?		1190.686	1.311	5.023	42.229	3117.490	53.252	2.387	27.614	131.767
%RSD		2.280	17.558	41.929	3.783	2.639	4.486	1.553	17.912	5.503

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	12:20:49	1934.506	1792.300	29048.253	371140.510	159404.720	35.938	740.644	182587.550	6.250
2	12:21:58	2056.398	1836.056	29140.628	364465.670	160741.450	26.563	759.395	184252.480	18.750
3	12:23:07	1987.638	1740.731	29489.781	354657.770	161036.940	15.625	800.022	183524.440	28.125
X		1992.847	1789.696	29226.221	363421.320	160394.370	26.042	766.687	183454.820	17.708
?		61.113	47.716	232.876	8290.849	869.701	10.166	30.353	834.642	10.975
%RSD		3.067	2.666	0.797	2.281	0.542	39.038	3.959	0.455	61.974

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	12:20:49	21707.104	748.457	7148.663	6093.487	1032.850	93662.289	2769.018	34.375	78.125
2	12:21:58	20843.319	715.643	7103.328	6115.371	1012.536	96293.759	2936.239	35.938	51.563
3	12:23:07	20218.986	759.395	6900.104	6170.082	1007.848	96042.074	2939.365	51.563	76.563
X		20923.137	741.165	7050.698	6126.313	1017.745	95332.707	2881.541	40.625	68.750
?		747.263	22.769	132.374	39.453	13.290	1452.088	97.460	9.504	14.905
%RSD		3.571	3.072	1.877	0.644	1.306	1.523	3.382	23.395	21.680

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	12:20:49	214.064	128.126	164.063	283.336	75.000	75.000	401.568	27.604	32.813
2	12:21:58	217.189	90.625	193.751	254.690	112.500	112.500	399.485	27.083	31.250
3	12:23:07	235.939	90.625	235.939	268.232	93.750	93.750	389.589	29.688	35.938
X		222.398	103.125	197.918	268.753	93.750	93.750	396.881	28.125	33.333
?		11.831	21.651	36.119	14.330	18.750	18.750	6.400	1.378	2.387
%RSD		5.320	20.995	18.249	5.332	20.000	20.000	1.613	4.900	7.160

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	12:20:49	68.750	131.251	29.688	4.688	10.938	0.000	4.688	4.688	0.000
2	12:21:58	70.313	114.063	32.813	3.125	17.188	3.125	4.688	12.500	3.125
3	12:23:07	70.313	73.438	34.375	0.000	12.500	3.125	9.375	10.938	4.688
X		69.792	106.250	32.292	2.604	13.542	2.083	6.250	9.375	2.604
?		0.902	29.688	2.387	2.387	3.253	1.804	2.706	4.134	2.387
%RSD		1.293	27.941	7.391	91.652	24.019	86.603	43.301	44.096	91.652

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	12:20:49	1.563	449025.780	331.254	12.500	1.563	1.563	9.375	29.688	132.813
2	12:21:58	1.563	447470.290	321.879	15.625	12.500	12.500	7.813	54.688	159.376
3	12:23:07	1.563	447078.620	281.253	10.938	1.563	1.563	10.938	51.563	132.813
X		1.563	447858.230	311.462	13.021	5.208	5.208	9.375	45.313	141.667
?		0.000	1029.920	26.578	2.387	6.315	6.315	1.563	13.622	15.336
%RSD		0.000	0.230	8.533	18.330	121.244	121.244	16.667	30.061	10.825

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	12:20:49	15.625	15.625	18.750	1031546.900	1091609.100	112.500	303.128	545.323	457.820
2	12:21:58	6.250	4.688	12.500	1033850.100	1088316.900	120.313	282.815	554.698	407.818
3	12:23:07	14.063	7.813	6.250	1023316.700	1079312.900	139.063	331.254	506.259	392.193
X		11.979	9.375	12.500	1029571.200	1086412.900	123.959	305.732	535.427	419.277
?		5.023	5.634	6.250	5537.652	6365.319	13.652	24.324	25.691	34.281
%RSD		41.929	60.093	50.000	0.538	0.586	11.013	7.956	4.798	8.176

Run	Time	208Pb	209Bi	232Th	238U
1	12:20:49	1053.164	951395.370	7.813	7.813
2	12:21:58	1070.353	953497.570	7.813	23.438
3	12:23:07	1100.042	931352.790	6.250	28.125
X		1074.520	945415.250	7.292	19.792
?		23.715	12223.718	0.902	10.636
%RSD		2.207	1.293	12.372	53.738

7/26/2012 12:46:20 AM

S1 (S) 07/25/2012 12:27:35 PM

User Pre-dilution:1.00

Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Inst Id :P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	12:28:44	51804.698	110.417	237.502	1021.912	483681.550	315449.450	44437.758	53589.388	18654.359
2	12:29:53	51657.291	102.084	234.377	1137.545	486682.500	318524.370	44691.673	54436.331	18685.650
3	12:31:02	51919.175	127.605	239.065	1195.363	487571.430	325294.700	46078.882	54782.965	18818.637
X		51793.721	113.369	236.981	1118.273	485978.490	319756.170	45069.438	54269.561	18719.549
?		131.287	13.014	2.387	88.317	2038.258	5036.891	883.375	614.016	87.227
%RSD		0.253	11.479	1.007	7.898	0.419	1.575	1.960	1.131	0.466

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	12:28:44	3694.228	3712.983	29776.312	336399.030	533400.570	862.526	15072.009	181856.440	457.820
2	12:29:53	3906.784	3705.168	29737.168	337333.180	540547.770	882.840	15531.876	181994.110	409.381
3	12:31:02	3963.050	3653.592	29579.028	338904.080	541636.290	993.785	15836.898	183185.760	459.382
X		3854.687	3690.581	29697.503	337545.430	538528.210	913.050	15480.261	182345.440	442.194
?		141.781	32.271	104.452	1265.942	4473.896	70.652	385.048	730.990	28.428
%RSD		3.678	0.874	0.352	0.375	0.831	7.738	2.487	0.401	6.429

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	12:28:44	24276.860	3437.914	6141.945	24549.200	2689.316	421485.160	10674.299	1618.842	423.444
2	12:29:53	24146.953	3283.190	6170.082	25220.681	2783.084	423464.290	10905.724	1582.900	429.694
3	12:31:02	23685.243	3458.231	6140.382	25161.201	2687.753	424260.850	11199.701	1706.352	439.069
X		24036.352	3393.112	6150.803	24977.027	2720.051	423070.100	10926.575	1636.031	430.736
?		310.929	95.736	16.715	371.701	54.594	1429.213	263.321	63.496	7.865
%RSD		1.294	2.821	0.272	1.488	2.007	0.338	2.410	3.881	1.826

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	12:28:44	1945.445	937.531	1623.530	453.132	159.376	159.376	616.680	118.750	30.208
2	12:29:53	2022.018	885.965	1679.786	515.113	164.063	164.063	671.370	125.001	28.646
3	12:31:02	2056.398	915.654	1706.352	438.028	176.564	176.564	636.993	124.480	38.021
X		2007.954	913.050	1669.889	468.758	166.668	166.668	641.681	122.744	32.292
?		56.798	25.881	42.289	40.849	8.885	8.885	27.645	3.468	5.023
%RSD		2.829	2.835	2.532	8.714	5.331	5.331	4.308	2.825	15.554

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	12:28:44	315.628	2339.254	67.188	3.125	1378.192	2354.882	2483.028	1462.575	3955.235
2	12:29:53	298.441	2442.396	62.500	7.813	1321.936	2322.064	2548.665	1567.274	4039.634
3	12:31:02	314.066	2358.007	51.563	10.938	1462.575	2365.821	2537.725	1511.017	3995.871
X		309.378	2379.886	60.417	7.292	1387.568	2347.589	2523.140	1513.622	3996.913
?		9.505	54.942	8.018	3.932	70.787	22.772	35.165	52.398	42.209
%RSD		3.072	2.309	13.271	53.927	5.101	0.970	1.394	3.462	1.056

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	12:28:44	4.688	437061.630	357.817	1487.577	29.688	29.688	1395.381	379.693	4744.538
2	12:29:53	3.125	441346.640	320.316	1529.769	25.000	25.000	1490.703	385.943	4922.723
3	12:31:02	1.563	443823.180	370.317	1490.703	20.313	20.313	1393.818	410.943	4935.227
X		3.125	440743.820	349.483	1502.683	25.000	25.000	1426.634	392.193	4867.496
?		1.563	3420.848	26.021	23.509	4.688	4.688	55.491	16.536	106.668
%RSD		50.000	0.776	7.446	1.564	18.750	18.750	3.890	4.216	2.191

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	12:28:44	2642.432	2537.725	4605.430	1005421.600	1060109.700	2525.223	5965.308	2406.453	2007.954
2	12:29:53	2714.320	2667.437	4596.052	1002721.000	1063017.400	2418.955	5827.751	2384.574	2017.330
3	12:31:02	2756.516	2606.488	4535.095	1004969.500	1064516.900	2578.358	6190.403	2320.501	2018.893
X		2704.423	2603.883	4578.859	1004370.700	1062548.000	2507.512	5994.487	2370.509	2014.725
?		57.682	64.895	38.190	1446.439	2240.781	81.164	183.079	44.669	5.916
%RSD		2.133	2.492	0.834	0.144	0.211	3.237	3.054	1.884	0.294

Run	Time	208Pb	209Bi	232Th	238U
1	12:28:44	5039.951	920326.150	3759.870	9518.795
2	12:29:53	5085.280	922623.730	4649.194	9525.049
3	12:31:02	5030.573	932330.780	5474.486	9662.642
X		5051.935	925093.550	4627.850	9568.829
?		29.256	6372.035	857.508	81.305
%RSD		0.579	0.689	18.529	0.850

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S2 (S) 07/25/2012 12:35:29 PM

User Pre-dilution: 1.00

Service: 7/26/2012 jaswal
Out: 7/26/2012 11:43:57
Inst Id : P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	12:36:38	50139.397	15401.006	3009.692	1226.615	9067831.600	7555378.700	1117061.900	1336648.300	1934710.700
2	12:37:47	50636.458	15354.080	2940.928	1267.244	9059264.000	7602687.200	1123180.500	1346900.500	1949976.400
3	12:38:56	50319.717	15274.829	2806.526	1309.435	9063967.800	7557200.100	1121688.600	1341006.200	1960015.800
X		50365.191	15343.305	2919.048	1267.765	9063687.800	7571755.300	1120643.700	1341518.300	1948234.300
?		251.631	63.775	103.335	41.412	4290.618	26803.261	3190.314	5145.267	12742.168
%RSD		0.500	0.416	3.540	3.267	0.047	0.354	0.285	0.384	0.654

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	12:36:38	26158.302	96362.974	37157.636	313291.800	4693204.600	22099.893	374644.270	181044.660	11770.472
2	12:37:47	25250.421	96397.581	36117.474	313180.010	4714127.700	22631.976	377563.380	180990.860	12044.138
3	12:38:56	25848.364	96182.073	36187.964	314662.050	4720113.100	22879.244	372573.980	180332.620	12095.744
X		25752.362	96314.209	36487.692	313711.290	4709148.500	22537.038	374927.210	180789.380	11970.118
?		461.491	115.734	581.259	825.280	14128.391	398.255	2506.704	396.483	174.813
%RSD		1.792	0.120	1.593	0.263	0.300	1.767	0.669	0.219	1.460

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	12:36:38	184493.050	162369.080	24370.770	608774.030	458167.080	9590863.300	250168.310	197913.070	44017.710
2	12:37:47	185418.990	164870.930	24411.464	612379.580	462564.820	9666217.600	252822.230	200883.790	44359.390
3	12:38:56	184474.060	159790.240	24148.518	608510.000	461554.800	9673676.300	252194.090	199907.740	44668.162
X		184795.360	162343.420	24310.251	609887.870	460762.230	9643585.700	251728.210	199568.200	44348.421
?		540.155	2540.438	141.535	2161.917	2303.510	45811.014	1386.943	1514.188	325.365
%RSD		0.292	1.565	0.582	0.354	0.500	0.475	0.551	0.759	0.734

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	12:36:38	218536.980	105684.800	73039.365	30073.287	1987.638	1987.638	6519.717	2717.446	29.688
2	12:37:47	222245.090	107128.300	73135.166	30265.359	1939.194	1939.194	6532.222	2689.837	32.292
3	12:38:56	221375.500	107336.100	73095.903	30225.692	2067.337	2067.337	6591.104	2658.581	21.354
X		220719.190	106716.400	73090.145	30188.113	1998.057	1998.057	6547.681	2688.621	27.778
?		1939.222	899.416	48.159	101.400	64.704	64.704	38.121	29.451	5.713
%RSD		0.879	0.843	0.066	0.336	3.238	3.238	0.582	1.095	20.568

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	12:36:38	32803.244	289245.740	123629.520	27564.067	82105.583	63049.766	76152.432	39405.836	101515.660
2	12:37:47	32792.281	289677.800	170769.300	38649.086	100776.080	63511.178	79453.148	39300.860	103235.740
3	12:38:56	32756.261	288231.800	182650.850	40808.203	104978.050	63500.192	80598.600	39871.187	104756.120
X		32783.929	289051.780	159016.560	35673.785	95953.238	63353.712	78734.727	39525.961	103169.170
?		24.580	742.255	31216.577	7105.709	12175.069	263.282	2308.506	303.547	1621.253
%RSD		0.075	0.257	19.631	19.919	12.689	0.416	2.932	0.768	1.571

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	12:36:38	10.938	441639.870	4918.034	154769.800	3289.441	3289.441	149364.280	45382.909	125095.320
2	12:37:47	12.500	444335.630	5124.356	154700.300	3439.477	3439.477	148462.770	46434.719	126208.170
3	12:38:56	3.125	441037.310	5311.925	153010.370	3509.806	3509.806	149039.030	46277.962	126783.540
X		8.854	442337.600	5118.105	154160.160	3412.908	3412.908	148955.360	46031.863	126029.010
?		5.023	1756.373	197.020	996.349	112.559	112.559	456.543	567.450	858.252
%RSD		56.727	0.397	3.849	0.646	3.298	3.298	0.306	1.233	0.681

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	12:36:38	168827.670	165879.370	297032.790	1025915.400	1083826.800	307947.780	750004.460	262675.760	222197.490
2	12:37:47	170671.260	167264.130	296321.360	1028274.700	1087437.900	312322.480	760382.050	264891.110	224249.490
3	12:38:56	170891.050	167708.360	299448.060	1038120.300	1097144.300	312657.820	760676.820	266279.060	223628.940
X		170130.000	166950.620	297600.740	1030770.100	1089469.700	310976.030	757021.110	264615.310	223358.640
?		1133.186	953.944	1638.895	6473.794	6887.280	2627.892	6078.384	1817.411	1052.368
%RSD		0.666	0.571	0.551	0.628	0.632	0.845	0.803	0.687	0.471

Run	Time	208Pb	209Bi	232Th	238U
1	12:36:38	558886.720	942117.590	1266087.600	1298141.100
2	12:37:47	565635.320	948914.830	1249068.800	1314614.200
3	12:38:56	570658.990	955197.900	1240940.100	1311949.200
X		565060.340	948743.440	1252032.200	1308234.800
?		5907.161	6541.841	12833.005	8842.407
%RSD		1.045	0.690	1.025	0.676

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User Pre-dilution: 1.00

Reviewed: 7/26/2012 jaswal
Print: 7/26/2012 11:43:57
Inst Id : P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	12:44:32	48618.529	30334.777	5782.420	1178.174	18047787.000	15209841.000	2153511.400	2588431.400	3831685.200
2	12:45:42	48477.425	30325.904	5698.011	1132.857	17934797.000	15008224.000	2147847.500	2542127.600	3765819.200
3	12:46:51	49990.439	29884.350	5774.604	1292.246	17909632.000	14882992.000	2131383.700	2532443.000	3782177.500
X		49028.798	30181.677	5751.679	1201.092	17964072.000	15033686.000	2144247.500	2554334.000	3793227.300
?		835.789	257.531	46.641	82.129	73583.363	164905.170	11494.726	29923.619	34295.148
%RSD		1.705	0.853	0.811	6.838	0.410	1.097	0.536	1.171	0.904

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	12:44:32	48808.236	188421.960	44702.645	293662.610	9269452.000	45480.093	751895.390	179669.660	23818.277
2	12:45:42	48591.876	187432.510	44907.975	290620.090	9235960.600	44848.413	737522.900	176254.060	23592.903
3	12:46:51	48460.179	185865.360	44191.684	291433.280	9214079.400	44729.290	735908.380	180009.840	23372.229
X		48620.097	187239.940	44600.768	291905.330	9239830.700	45019.265	741775.550	178644.520	23594.470
?		175.736	1289.134	368.853	1575.235	27888.415	403.508	8801.132	2077.170	223.028
%RSD		0.361	0.688	0.827	0.540	0.302	0.896	1.186	1.163	0.945

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	12:44:32	353720.910	324092.850	43047.573	1205020.600	916331.210	19218426.000	500221.110	397534.980	88493.555
2	12:45:42	349453.730	322894.280	42433.239	1191991.000	900641.600	19006978.000	494147.950	391758.330	86684.074
3	12:46:51	344941.340	316915.740	42196.602	1173346.100	900054.730	18887012.000	487689.420	389142.970	85022.571
X		349371.990	321300.960	42559.138	1190119.200	905675.850	19037472.000	494019.490	392812.090	86733.400
?		4390.353	3844.699	439.233	15919.986	9232.484	167798.530	6266.837	4294.094	1736.018
%RSD		1.257	1.197	1.032	1.338	1.019	0.881	1.269	1.093	2.002

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	12:44:32	440943.860	212422.350	144199.110	60155.555	3989.620	3989.620	12671.763	5265.033	25.521
2	12:45:42	432600.760	210172.240	143001.230	60131.495	3875.526	3875.526	12652.997	5327.035	33.333
3	12:46:51	433599.100	208467.850	142734.520	59793.100	3864.585	3864.585	12544.047	5260.343	38.021
X		435714.580	210354.150	143311.620	60026.717	3909.910	3909.910	12622.936	5284.137	32.292
?		4556.122	1983.512	780.077	202.675	69.247	69.247	68.961	37.225	6.315
%RSD		1.046	0.943	0.544	0.338	1.771	1.771	0.546	0.704	19.555

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	12:44:32	65987.991	585235.990	386656.500	88048.631	216858.570	125777.840	160818.880	79674.689	208907.010
2	12:45:42	65741.546	579416.780	378832.260	85346.368	217313.850	126190.830	160092.030	79806.673	206381.640
3	12:46:51	64240.993	575900.670	377221.720	84437.869	212831.490	124587.790	158696.910	79244.179	205180.140
X		65323.510	580184.480	380903.490	85944.289	215667.970	125518.820	159869.270	79575.180	206822.930
?		945.551	4714.769	5046.906	1878.173	2466.985	832.318	1078.381	294.153	1902.221
%RSD		1.447	0.813	1.325	2.185	1.144	0.663	0.675	0.370	0.920

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	12:44:32	4.688	436301.410	10214.588	150466.380	6950.128	6950.128	147127.180	92165.098	254724.330
2	12:45:42	6.250	433621.650	10220.842	149053.240	6635.916	6635.916	145179.280	92270.463	254964.490
3	12:46:51	1.563	443355.880	9958.157	144322.220	6645.295	6645.295	152601.350	91130.367	253049.640
X		4.167	437759.650	10131.196	147947.280	6743.780	6743.780	148302.600	91855.309	254246.150
?		2.387	5028.285	149.889	3217.923	178.764	178.764	3848.114	630.025	1043.143
%RSD		57.282	1.149	1.479	2.175	2.651	2.651	2.595	0.686	0.410

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	12:44:32	343549.010	335780.040	600492.140	1035480.800	1099713.800	631811.410	1538372.100	530830.900	452401.700
2	12:45:42	346485.870	334551.720	595562.380	1032643.900	1091747.200	629219.440	1522929.000	531283.190	451498.800
3	12:46:51	343763.460	329772.180	589299.590	1043417.300	1110455.200	626671.990	1509948.800	527858.100	449041.900
X		344599.450	333367.980	595118.040	1037180.700	1100638.700	629234.280	1523750.000	529990.730	450980.800
?		1637.203	3174.036	5609.490	5584.227	9388.229	2569.744	14229.380	1860.702	1738.764
%RSD		0.475	0.952	0.943	0.538	0.853	0.408	0.934	0.351	0.386

Run	Time	208Pb	209Bi	232Th	238U
1	12:44:32	1139500.000	948067.510	2517669.700	2680310.000
2	12:45:42	1136050.200	943963.340	2506340.800	2676106.300
3	12:46:51	1130985.100	954688.950	2485051.500	2649998.900
X		1135511.800	948906.600	2503020.700	2668805.100
?		4282.922	5411.814	16560.662	16421.671
%RSD		0.377	0.570	0.662	0.615

Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

S4 (S) 07/25/2012 12:51:19 PM
User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	12:52:27	48223.443	59851.155	11268.505	1192.237	35653885.000	30003122.000	4227973.700	5084987.100	7599364.700
2	12:53:36	48502.510	60189.029	11459.282	1250.055	36043472.000	30170463.000	4218540.200	5093569.200	7642839.000
3	12:54:45	49077.908	59871.553	11775.163	1265.681	36218300.000	30421237.000	4283019.700	5080140.000	7733025.900
X		48601.287	59970.579	11500.983	1235.991	35971886.000	30198274.000	4243177.900	5086232.100	7658409.900
?		435.712	189.458	255.891	38.689	288936.850	210440.640	34824.907	6800.640	68177.444
%RSD		0.897	0.316	2.225	3.130	0.803	0.697	0.821	0.134	0.890

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	12:52:27	96147.467	374463.050	62649.573	268143.130	18459301.000	89586.271	1494244.200	180675.980	47699.814
2	12:53:36	95876.907	379018.350	62633.880	271661.800	18668347.000	90328.423	1509983.500	182733.150	48348.866
3	12:54:45	97512.925	382333.070	63374.636	272594.950	18643715.000	90708.948	1498482.100	181905.500	48786.287
X		96512.433	378604.820	62886.030	270799.960	18590455.000	90207.881	1500903.300	181771.540	48278.322
?		876.949	3951.271	423.218	2347.714	114247.740	570.963	8144.185	1035.106	546.661
%RSD		0.909	1.044	0.673	0.867	0.615	0.633	0.543	0.569	1.132

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	12:52:27	685258.120	641043.740	80554.603	2242200.400	1803456.900	37895979.000	982742.450	782564.380	174302.210
2	12:53:36	691509.750	647253.620	79743.823	2254995.000	1819762.100	38029595.000	987773.860	790372.430	174229.450
3	12:54:45	695481.710	649920.700	81110.862	2283396.900	1827245.500	38055147.000	995586.060	800887.600	176189.210
X		690749.860	646072.690	80469.763	2260197.400	1816821.500	37993574.000	988700.790	791274.800	174906.960
?		5153.983	4554.785	687.457	21085.218	12163.906	85479.504	6471.782	9194.880	1111.058
%RSD		0.746	0.705	0.854	0.933	0.670	0.225	0.655	1.162	0.635

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	12:52:27	862586.580	418315.900	285158.540	120248.760	7612.966	7612.966	24958.763	10326.126	36.979
2	12:53:36	871962.100	418859.610	287307.200	121441.080	7622.346	7622.346	24946.241	10470.502	28.646
3	12:54:45	875101.880	419717.050	288883.840	121566.090	7870.918	7870.918	25245.725	10672.214	32.292
X		869883.520	418964.180	287116.530	121085.310	7702.076	7702.076	25050.243	10489.614	32.639
?		6511.420	706.403	1869.954	727.163	146.296	146.296	169.408	173.834	4.178
%RSD		0.749	0.169	0.651	0.601	1.899	1.899	0.676	1.657	12.799

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	12:52:27	131119.290	1160570.900	773502.820	173040.130	435232.030	253345.440	321043.900	158684.270	413117.870
2	12:53:36	131344.790	1164019.700	768455.100	173252.050	434049.990	254441.220	322953.410	160406.470	416670.410
3	12:54:45	132155.340	1177516.000	770295.680	173827.730	435135.400	255608.660	326619.740	161130.170	420133.720
X		131539.810	1167368.900	770751.200	173373.300	434805.800	254465.110	323539.020	160073.640	416640.660
?		544.858	8955.243	2554.501	407.560	656.334	1131.800	2833.672	1256.459	3508.016
%RSD		0.414	0.767	0.331	0.235	0.151	0.445	0.876	0.785	0.842

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	12:52:27	4.688	432845.510	20478.730	87822.244	13561.121	13561.121	100694.260	183961.260	508620.970
2	12:53:36	10.938	438585.400	20444.306	86798.830	13966.199	13966.199	83499.565	182945.210	509575.990
3	12:54:45	12.500	440260.770	20621.122	85453.254	13872.357	13872.357	108362.560	186419.380	515028.900
X		9.375	437230.560	20514.720	86691.443	13799.892	13799.892	97518.793	184441.950	511075.290
?		4.134	3888.859	93.741	1188.140	212.038	212.038	12732.037	1786.270	3457.068
%RSD		44.096	0.889	0.457	1.371	1.537	1.537	13.056	0.968	0.676

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	12:52:27	689869.160	667818.460	1198031.900	1043642.300	1097393.600	1252589.200	3048862.000	1062578.700	901185.260
2	12:53:36	696519.540	675349.460	1201161.900	1043549.900	1109062.300	1261322.200	3006789.900	1068072.900	906225.530
3	12:54:45	701294.870	675788.250	1208703.700	1046528.300	1119257.000	1265574.700	3005945.000	1078525.400	907566.120
X		695894.520	672985.390	1202632.500	1044573.500	1108571.000	1259828.700	3020532.300	1069725.700	904992.310
?		5738.442	4480.066	5485.756	1693.529	10939.940	6620.348	24537.878	8100.804	3364.443
%RSD		0.825	0.666	0.456	0.162	0.987	0.525	0.812	0.757	0.372

Run	Time	208Pb	209Bi	232Th	238U
1	12:52:27	2268990.300	940897.210	4983549.500	5175686.500
2	12:53:36	2276099.300	946196.230	5023155.100	5183049.000
3	12:54:45	2290024.500	946394.680	5054739.900	5223684.100
X		2278371.400	944496.040	5020481.500	5194139.900
?		10699.543	3118.255	35670.413	25849.552
%RSD		0.470	0.330	0.710	0.498

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User Pre-dilution: 1.00

Operator: jaswal
Date: 7/26/2012 11:43:57 AM
Inst Id : P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	13:00:23	48718.870	119477.230	22563.117	1443.823	72193106.000	60384702.000	8510164.000	10206251.000	15402331.000
2	13:01:32	49104.562	121222.040	23135.907	1478.202	72743174.000	60555979.000	8630895.700	10386125.000	15717764.000
3	13:02:41	49142.191	120297.080	23666.462	1559.460	72899498.000	61141125.000	8694988.800	10389737.000	15705087.000
X		48988.541	120332.120	23121.829	1493.828	72611926.000	60693935.000	8612016.200	10327371.000	15608394.000
?		234.299	872.935	551.808	59.381	371035.120	396633.160	93847.597	104908.340	178567.960
%RSD		0.478	0.725	2.387	3.975	0.511	0.653	1.090	1.016	1.144

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	13:00:23	191503.150	764438.610	99737.579	241298.940	36894156.000	180353.190	2996169.900	180636.420	95422.316
2	13:01:32	193951.470	769850.760	99731.286	243485.570	37334242.000	183206.340	3030266.900	182093.810	97964.436
3	13:02:41	194873.270	772533.680	99427.617	243580.930	37503008.000	183217.420	3048107.700	183511.780	98733.767
X		193442.630	768941.020	99632.161	242788.480	37243802.000	182258.980	3024848.200	182080.670	97373.507
?		1741.727	4123.501	177.168	1290.862	314339.760	1650.474	26389.519	1437.726	1733.011
%RSD		0.900	0.536	0.178	0.532	0.844	0.906	0.872	0.790	1.780

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	13:00:23	1380472.300	1294331.600	156515.220	4482487.300	3514545.100	75676635.000	1975871.200	1572503.900	345010.160
2	13:01:32	1398260.400	1311597.000	158248.220	4539198.800	3569537.500	76769936.000	1888610.700	1591530.900	347740.810
3	13:02:41	1397947.500	1315212.500	158028.620	4525574.200	3557823.800	76899037.000	1880395.500	1588967.700	344477.220
X		1392226.800	1307047.100	157597.360	4515753.400	3547302.200	76448536.000	1914959.100	1584334.200	345742.730
?		10180.829	11159.282	943.564	29603.765	28966.727	671595.150	52911.061	10325.144	1750.786
%RSD		0.731	0.854	0.599	0.656	0.817	0.878	2.763	0.652	0.506

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	13:00:23	1715617.500	829430.390	559253.800	241864.640	15547.518	15547.518	49120.240	21131.242	37.500
2	13:01:32	1731598.300	832392.310	565877.440	243708.070	15280.042	15280.042	49664.304	20969.024	40.625
3	13:02:41	1731865.500	836237.070	566030.190	243030.530	15112.677	15112.677	49713.433	20991.453	32.292
X		1726360.400	832686.590	563720.480	242867.740	15313.413	15313.413	49499.326	21030.573	36.806
?		9304.574	3412.869	3869.011	932.436	219.333	219.333	329.215	87.900	4.210
%RSD		0.539	0.410	0.686	0.384	1.432	1.432	0.665	0.418	11.438

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	13:00:23	263081.570	2330597.100	1545901.600	347127.730	869085.110	506626.960	644920.320	321222.860	836781.670
2	13:01:32	266010.050	2343126.300	1556089.400	349559.400	883563.700	517634.650	653747.320	325665.510	846084.450
3	13:02:41	267135.450	2364551.100	1563188.000	351783.310	880951.760	514985.180	655751.750	325361.830	850424.880
X		265409.020	2346091.500	1555059.700	349490.150	877866.860	513082.270	651473.130	324083.400	844430.330
?		2092.707	17170.145	8689.088	2328.562	7716.531	5745.271	5762.721	2481.952	6970.391
%RSD		0.788	0.732	0.559	0.666	0.879	1.120	0.885	0.766	0.825

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	13:00:23	18.750	431958.320	40588.829	1599496.500	27269.753	27269.753	1554555.400	362509.010	1011472.400
2	13:01:32	4.688	432554.070	40635.837	1609052.800	27236.877	27236.877	1562958.600	365869.630	1026135.000
3	13:02:41	25.000	433423.580	40845.810	1608908.100	26975.445	26975.445	1563078.500	368243.540	1023569.800
X		16.146	432645.320	40690.159	1605819.100	27160.692	27160.692	1560197.500	365540.730	1020392.400
?		10.404	736.884	136.832	5476.030	161.268	161.268	4886.593	2881.377	7830.704
%RSD		64.435	0.170	0.336	0.341	0.594	0.594	0.313	0.788	0.767

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	13:00:23	1381913.100	1352833.100	2386963.900	1043936.100	1107952.900	2531523.200	5912998.900	2111612.100	1773976.000
2	13:01:32	1402316.500	1356165.400	2416451.900	1043783.300	1108544.700	2544682.900	5944192.300	2109527.400	1775777.400
3	13:02:41	1403276.100	1353798.100	2402682.400	1044647.900	1103647.400	2525275.100	5942140.300	2108446.400	1774592.900
X		1395835.200	1354265.500	2402032.700	1044122.400	1106715.000	2533827.100	5933110.500	2109862.000	1774782.100
?		12066.470	1714.637	14754.716	461.432	2673.051	9906.880	17447.345	1609.189	915.501
%RSD		0.864	0.127	0.614	0.044	0.242	0.391	0.294	0.076	0.052

Run	Time	208Pb	209Bi	232Th	238U
1	13:00:23	4396821.600	932269.130	9941044.600	10270917.000
2	13:01:32	4413107.800	931481.080	9988310.200	10316870.000
3	13:02:41	4366966.500	927704.640	9943414.700	10203724.000
X		4392298.600	930484.950	9957589.800	10263837.000
?		23400.816	2439.845	26630.984	56904.711
%RSD		0.533	0.262	0.267	0.554

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	13:08:18	50470.246	11919.554	12411.639	1215.677	1545908.500	771958.490	108428.680	129638.680	407678.990
2	13:09:27	49501.240	11884.629	12450.736	1326.624	1544489.000	769483.290	108066.580	128798.320	409363.650
3	13:10:36	49435.387	11986.276	12449.172	1279.745	1538878.100	768219.490	107181.830	128981.210	405962.380
X		49802.291	11930.153	12437.182	1274.015	1543091.900	769887.090	107892.360	129139.410	407668.340
?		579.403	51.646	22.135	55.695	3717.610	1901.927	641.425	441.952	1700.661
%RSD		1.163	0.433	0.178	4.372	0.241	0.247	0.595	0.342	0.417

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	13:08:18	89774.950	1723.542	27338.634	285474.120	1648516.300	3603.579	62064.214	181462.420	48397.467
2	13:09:27	89378.728	1593.839	27279.145	284148.080	1699388.800	3667.658	62378.077	180853.200	48908.579
3	13:10:36	88979.371	1598.527	27308.890	287587.760	1699025.700	3662.970	61745.651	180367.430	49015.193
X		89377.683	1638.636	27308.890	285736.650	1682310.300	3644.736	62062.647	180894.350	48773.746
?		397.791	73.568	29.744	1734.806	29266.980	35.719	316.216	548.652	330.199
%RSD		0.445	4.490	0.109	0.607	1.740	0.980	0.510	0.303	0.677

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	13:08:18	145310.290	129142.030	18644.972	107184.970	185510.790	1746754.900	43136.905	164491.590	36786.365
2	13:09:27	145322.920	129550.390	18757.619	106533.250	186075.880	1761678.400	43619.617	163243.020	36468.364
3	13:10:36	146252.640	129550.390	18588.648	105716.280	184996.370	1736087.900	43285.791	162580.840	36236.525
X		145628.620	129414.270	18663.746	106478.170	185527.680	1748173.700	43347.438	163438.480	36497.084
?		540.461	235.767	86.036	735.896	539.953	12854.073	247.190	970.256	276.043
%RSD		0.371	0.182	0.461	0.691	0.291	0.735	0.570	0.594	0.756

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	13:08:18	90405.470	43312.434	59247.606	48698.488	3175.353	3175.353	10475.715	4271.993	36.458
2	13:09:27	91352.089	42923.764	59158.174	48759.111	3159.724	3159.724	10428.805	4334.512	31.250
3	13:10:36	89683.755	43118.098	58469.409	48462.270	3159.724	3159.724	10300.066	4286.581	33.333
X		90480.438	43118.099	58958.396	48639.956	3164.934	3164.934	10401.529	4297.695	33.681
?		836.689	194.335	425.829	156.838	9.023	9.023	90.946	32.708	2.621
%RSD		0.925	0.451	0.722	0.322	0.285	0.285	0.874	0.761	7.783

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	13:08:18	726.581	5751.157	40148.525	8913.718	164281.380	263148.400	285834.350	166957.450	430469.050
2	13:09:27	665.641	5771.478	17945.640	3917.725	155892.850	264065.090	284605.490	166162.320	433132.130
3	13:10:36	579.699	5615.166	10999.546	2525.223	153484.170	262723.500	286180.230	167022.260	433888.960
X		657.307	5712.601	23031.237	5118.888	157886.130	263312.330	285540.020	166714.010	432496.710
?		73.795	84.990	15225.414	3359.362	5667.878	685.651	827.602	478.875	1796.319
%RSD		11.227	1.488	66.108	65.627	3.590	0.260	0.290	0.287	0.415

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	13:08:18	18.750	450128.430	3920.851	130914.300	2665.874	2665.874	126119.900	38139.907	531505.290
2	13:09:27	1.563	449157.970	3423.848	131865.170	2667.437	2667.437	131936.140	37640.147	536669.650
3	13:10:36	3.125	446806.230	3528.561	142483.590	2665.874	2665.874	127447.220	37995.774	531654.440
X		7.813	448697.540	3624.420	135087.690	2666.395	2666.395	128501.090	37925.276	533276.460
?		9.504	1708.288	262.001	6422.661	0.902	0.902	3047.972	257.231	2939.533
%RSD		121.655	0.381	7.229	4.754	0.034	0.034	2.372	0.678	0.551

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	13:08:18	275229.120	27224.354	48511.917	1052218.000	1107072.800	528585.850	1288784.000	436604.210	384683.990
2	13:09:27	276146.570	27664.260	48820.779	1051366.500	1109767.200	528888.950	1284968.500	432525.080	380420.510
3	13:10:36	274899.420	27244.705	48792.558	1050069.900	1111045.400	527002.360	1286336.900	430549.550	381455.380
X		275425.040	27377.773	48708.418	1051218.100	1109295.100	528159.050	1286696.500	433226.280	382186.630
?		646.245	248.314	170.759	1081.749	2027.926	1013.122	1933.025	3087.635	2223.816
%RSD		0.235	0.907	0.351	0.103	0.183	0.192	0.150	0.713	0.582

Run	Time	208Pb	209Bi	232Th	238U
1	13:08:18	941535.730	978468.190	10807.211	5420793.600
2	13:09:27	944003.360	976885.500	6304.516	5408677.900
3	13:10:36	939368.560	975396.560	4458.508	5405852.500
X		941635.880	976916.750	7190.078	5411774.700
?		2319.023	1536.052	3265.681	7937.364
%RSD		0.246	0.157	45.419	0.147

Reviewed by: jaswal
Dt: 7/26/2012 11:43:57
Inst Id :P6

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	13:16:14	49167.277	16.146	387.505	1067.227	85555.426	1376.629	168.751	228.127	2464.275
2	13:17:24	50224.069	21.875	334.379	1050.039	86864.855	1390.693	181.251	217.189	2289.246
3	13:18:33	49038.711	20.833	248.440	1131.295	92418.289	3661.407	521.885	567.199	2925.300
X		49476.686	19.618	323.441	1082.854	88279.523	2142.909	290.629	337.505	2559.607
?		650.437	3.052	70.175	42.823	3643.582	1315.076	200.371	198.996	328.568
%RSD		1.315	15.556	21.696	3.955	4.127	61.369	68.944	58.961	12.837

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	13:16:14	1987.638	1587.588	27507.708	279670.380	155044.630	18.750	635.952	177934.070	20.313
2	13:17:24	2043.896	1740.731	28096.352	284967.280	155497.960	29.688	626.576	180666.480	10.938
3	13:18:33	2078.276	1762.609	28277.960	285196.790	157948.050	34.375	828.149	180300.970	17.188
X		2036.604	1696.976	27960.673	283278.150	156163.550	27.604	696.892	179633.840	16.146
?		45.757	95.362	402.652	3126.526	1561.961	8.018	113.768	1483.346	4.774
%RSD		2.247	5.620	1.440	1.104	1.000	29.047	16.325	0.826	29.565

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	13:16:14	9268.631	617.201	3040.949	5869.956	632.827	89795.391	2762.767	68.750	93.750
2	13:17:24	9276.448	621.889	3269.124	5816.809	728.144	90752.976	2948.742	76.563	85.938
3	13:18:33	9162.312	709.393	2972.184	6110.682	875.027	92649.466	2869.038	150.001	90.625
X		9235.797	649.494	3094.086	5932.482	745.332	91065.944	2860.182	98.438	90.104
?		63.760	51.927	155.438	156.596	122.012	1452.549	93.303	44.825	3.932
%RSD		0.690	7.995	5.024	2.640	16.370	1.595	3.262	45.537	4.364

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	13:16:14	203.126	93.750	160.938	144.792	48.438	48.438	419.798	33.333	33.333
2	13:17:24	201.564	78.125	217.189	144.792	43.750	43.750	395.318	34.375	32.292
3	13:18:33	254.690	120.313	229.689	169.272	35.938	35.938	379.172	27.604	32.292
X		219.793	97.396	202.606	152.952	42.708	42.708	398.096	31.771	32.639
?		30.231	21.329	36.622	14.133	6.315	6.315	20.455	3.646	0.601
%RSD		13.754	21.899	18.076	9.240	14.786	14.786	5.138	11.475	1.843

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	13:16:14	51.563	110.938	26.563	6.250	228.127	429.694	473.445	212.502	693.767
2	13:17:24	43.750	117.188	53.125	10.938	167.188	309.378	326.566	195.314	485.946
3	13:18:33	73.438	221.877	51.563	12.500	176.564	310.941	307.816	207.814	515.634
X		56.250	150.001	43.750	9.896	190.626	350.004	369.276	205.210	565.116
?		15.389	62.325	14.905	3.253	32.813	69.018	90.699	8.885	112.400
%RSD		27.358	41.550	34.069	32.868	17.213	19.719	24.561	4.330	19.890

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	13:16:14	7.813	445221.960	326.566	693.767	4.688	4.688	592.200	32.813	1551.647
2	13:17:24	0.000	446838.470	331.254	637.514	3.125	3.125	640.639	28.125	1264.118
3	13:18:33	6.250	446214.730	334.379	640.639	6.250	6.250	629.701	53.125	1137.545
X		4.688	446091.720	330.733	657.307	4.688	4.688	620.847	38.021	1317.770
?		4.134	815.240	3.932	31.614	1.563	1.563	25.405	13.289	212.200
%RSD		88.192	0.183	1.189	4.810	33.333	33.333	4.092	34.952	16.103

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	13:16:14	2120.470	28.125	39.063	1039323.500	1099752.600	754.707	1745.419	250.002	195.314
2	13:17:24	1771.985	20.313	25.000	1042593.100	1101982.100	721.893	1668.848	225.002	178.126
3	13:18:33	1431.322	71.875	112.500	1036861.700	1098414.700	945.344	2261.116	439.069	345.317
X		1774.592	40.104	58.854	1039592.800	1100049.800	807.315	1891.794	304.691	239.586
?		344.581	27.790	46.988	2875.151	1802.208	120.657	322.126	117.044	91.968
%RSD		19.418	69.295	79.838	0.277	0.164	14.946	17.028	38.414	38.386

Run	Time	208Pb	209Bi	232Th	238U
1	13:16:14	468.758	972044.900	775.021	785.959
2	13:17:24	475.008	975772.540	753.145	621.889
3	13:18:33	823.461	966013.500	910.967	1732.918
X		589.076	971276.980	813.044	1046.922
?		203.008	4924.629	85.506	599.727
%RSD		34.462	0.507	10.517	57.285

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Reviewed: 7/26/2012 jaswal
Print: 7/26/2012 11:43:57
Inst Id : P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	13:24:11	45545.927	50.000	154.688	9131.042	68162053.000	55906945.000	7956783.100	9452360.400	69145875.000
2	13:25:20	50377.733	52.604	245.315	10064.482	74304941.000	62042164.000	8755632.600	10445098.000	77056096.000
3	13:26:29	47107.228	50.521	192.189	9446.873	70608887.000	58124247.000	8224153.200	9786342.700	71691746.000
X		47676.963	51.042	197.397	9547.465	71025294.000	58691119.000	8312189.600	9894600.300	72631239.000
?		2465.773	1.378	45.537	474.780	3092541.700	3106643.700	406636.130	505145.170	4037930.400
%RSD		5.172	2.700	23.069	4.973	4.354	5.293	4.892	5.105	5.559

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	13:24:11	6160.703	3287041.900	354303.840	598869.870	69480172.000	172111.830	2870264.600	171915.740	181448.170
2	13:25:20	6954.818	3716605.300	396675.640	651257.700	76010953.000	187867.860	3136030.800	187719.050	201466.920
3	13:26:29	6270.126	3400801.000	365005.770	627977.480	72088349.000	178785.230	2953586.500	177818.590	188369.710
X		6461.882	3468149.400	371995.080	626035.020	72526491.000	179588.300	2986627.300	179151.120	190428.270
?		430.386	222560.170	22033.617	26247.875	3287362.400	7908.654	135929.010	7985.478	10166.894
%RSD		6.660	6.417	5.923	4.193	4.533	4.404	4.551	4.457	5.339

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	13:24:11	14438.543	25040.677	7720.836	8270547.500	14014.684	141335110.000	3473400.600	1892.313	2075.151
2	13:25:20	15383.278	27947.623	8389.963	9035483.600	15627.293	154292570.000	3798491.800	2165.789	2272.056
3	13:26:29	16365.619	25159.636	8588.518	8541287.100	14172.652	146413100.000	3590288.100	2056.398	2140.785
X		15395.813	26049.312	8233.106	8615772.700	14604.876	147346930.000	3620726.900	2038.167	2162.664
?		963.599	1645.061	454.611	387869.690	888.955	6529006.300	164669.200	137.647	100.259
%RSD		6.259	6.315	5.522	4.502	6.087	4.431	4.548	6.753	4.636

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	13:24:11	6840.700	3480.111	3577.010	333.858	98.438	98.438	392.193	31.250	39.063
2	13:25:20	7611.402	3836.453	3783.313	340.629	71.875	71.875	438.548	20.833	38.542
3	13:26:29	7103.328	3552.004	3494.177	331.254	95.313	95.313	435.944	30.208	35.938
X		7185.143	3622.856	3618.167	335.247	88.542	88.542	422.228	27.431	37.847
?		391.811	188.440	148.897	4.839	14.518	14.518	26.044	5.737	1.674
%RSD		5.453	5.201	4.115	1.444	16.397	16.397	6.168	20.915	4.424

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	13:24:11	8419.668	76078.603	1932.943	462.507	537089.680	949403.570	1024265.600	597285.250	1546292.300
2	13:25:20	9207.654	81728.429	1773.548	448.445	574235.620	1012254.700	1090450.400	642027.080	1656262.300
3	13:26:29	8827.727	78436.616	1537.583	365.630	551021.090	963565.570	1043553.300	614021.280	1597095.800
X		8818.350	78747.883	1748.025	425.527	554115.460	975074.620	1052756.400	617777.870	1599883.400
?		394.077	2837.746	198.912	52.347	18765.299	32968.326	34038.656	22606.237	55038.008
%RSD		4.469	3.604	11.379	12.302	3.387	3.381	3.233	3.659	3.440

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	13:24:11	1.563	415406.250	270.315	962.532	557.823	557.823	960.970	776.584	889.090
2	13:25:20	21.875	444185.760	320.316	956.282	645.327	645.327	960.970	781.271	776.584
3	13:26:29	12.500	424645.470	267.190	932.843	554.698	554.698	857.838	704.705	743.769
X		11.979	428079.160	285.940	950.552	585.950	585.950	926.593	754.187	803.148
?		10.166	14693.797	29.811	15.652	51.446	51.446	59.543	42.916	76.215
%RSD		84.866	3.432	10.426	1.647	8.780	8.780	6.426	5.690	9.490

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	13:24:11	2337.691	442.194	718.768	1042438.700	1102432.100	2093.903	5129.046	9786.163	7623.909
2	13:25:20	2281.432	418.756	732.831	1082409.600	1156272.200	1525.081	3653.592	9986.302	7972.537
3	13:26:29	2236.113	390.630	731.269	1061874.500	1125955.400	1218.802	2873.727	9875.287	7945.959
X		2285.079	417.194	727.623	1062240.900	1128219.900	1612.596	3885.455	9882.584	7847.468
?		50.887	25.817	7.708	19987.973	26991.344	444.066	1145.398	100.269	194.064
%RSD		2.227	6.188	1.059	1.882	2.392	27.537	29.479	1.015	2.473

Run	Time	208Pb	209Bi	232Th	238U
1	13:24:11	19424.134	924100.690	1371.941	521.885
2	13:25:20	20118.844	961667.280	807.835	373.442
3	13:26:29	19352.161	943059.610	665.641	270.315
X		19631.713	942942.530	948.472	388.547
?		423.400	18783.568	373.563	126.463
%RSD		2.157	1.992	39.386	32.548

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Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	13:32:08	47064.901	2396.034	167.188	9195.146	69344304.000	56967757.000	8002527.500	9521359.900	69873413.000
2	13:33:17	47068.036	2442.917	137.501	9309.282	71292920.000	58648146.000	8290555.100	9800114.000	71726382.000
3	13:34:26	46771.753	2433.020	129.688	9651.697	70964549.000	57948879.000	8124908.400	9623775.700	71012004.000
X		46968.230	2423.990	144.792	9385.375	70533924.000	57854927.000	8139330.300	9648416.500	70870600.000
?		170.161	24.711	19.785	237.597	1043241.900	844124.810	144554.390	141001.240	934542.450
%RSD		0.362	1.019	13.664	2.532	1.479	1.459	1.776	1.461	1.319

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	13:32:08	6829.757	3354179.100	360906.700	610327.300	70679279.000	175599.200	2913911.500	178884.900	185610.510
2	13:33:17	7029.854	3434656.600	370978.570	630167.710	72454972.000	179514.600	2963537.800	180033.570	190459.650
3	13:34:26	7029.854	3406580.500	364345.480	625360.090	71789049.000	176657.440	2961334.800	179786.740	188357.050
X		6963.155	3398472.100	365410.250	621951.700	71641100.000	177257.080	2946261.400	179568.400	188142.400
?		115.526	40846.913	5119.666	10350.036	897044.030	2025.406	28037.484	604.660	2431.685
%RSD		1.659	1.202	1.401	1.664	1.252	1.143	0.952	0.337	1.292

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	13:32:08	41199.950	50559.624	10868.195	8399981.000	49560.821	143536530.000	3556818.000	32560.502	8662.000
2	13:33:17	43093.022	51600.837	11132.461	8626919.100	50227.205	146889760.000	3627238.800	33041.291	9030.979
3	13:34:26	42911.226	50868.530	11570.309	8529322.300	49636.081	144446430.000	3574010.100	32923.833	8882.448
X		42401.400	51009.664	11190.322	8518740.800	49808.036	144957570.000	3586022.300	32841.875	8858.476
?		1044.449	534.762	354.615	113838.460	364.956	1734067.600	36715.003	250.654	185.654
%RSD		2.463	1.048	3.169	1.336	0.733	1.196	1.024	0.763	2.096

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	13:32:08	23481.783	11562.490	9079.447	5052.456	401.568	401.568	1364.649	436.465	42.708
2	13:33:17	23772.889	11584.383	9273.321	5033.699	382.818	382.818	1403.715	428.652	50.000
3	13:34:26	23802.626	11745.451	9193.582	5006.085	440.632	440.632	1397.464	429.173	32.292
X		23685.766	11630.775	9182.117	5030.747	408.339	408.339	1388.609	431.430	41.667
?		177.279	99.915	97.444	23.326	29.496	29.496	20.985	4.368	8.900
%RSD		0.748	0.859	1.061	0.464	7.223	7.223	1.511	1.012	21.360

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	13:32:08	8905.900	78490.033	1443.823	300.003	548888.170	967620.080	1043555.000	608454.590	1589862.700
2	13:33:17	9118.534	79517.567	1326.624	296.878	558045.390	986280.480	1063321.700	623299.460	1618205.200
3	13:34:26	8891.829	78852.961	1118.794	279.690	558453.060	980219.870	1055485.400	619232.900	1617727.200
X		8972.088	78953.521	1296.414	292.190	555128.870	978040.140	1054120.700	616995.650	1608598.300
?		127.021	521.096	164.607	10.938	5408.452	9519.247	9953.777	7671.147	16227.316
%RSD		1.416	0.660	12.697	3.743	0.974	0.973	0.944	1.243	1.009

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	13:32:08	21.875	429815.430	942.219	29937.586	1023.474	1023.474	29010.677	7680.189	568.761
2	13:33:17	10.938	435963.200	921.905	30388.537	1029.725	1029.725	29782.575	8149.199	518.759
3	13:34:26	15.625	433542.740	1001.598	30170.889	1029.725	1029.725	29117.143	8061.649	562.511
X		16.146	433107.120	955.240	30165.671	1027.641	1027.641	29303.465	7963.679	550.011
?		5.487	3096.947	41.412	225.521	3.609	3.609	418.322	249.382	27.244
%RSD		33.986	0.715	4.335	0.748	0.351	0.351	1.428	3.131	4.953

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	13:32:08	29658.881	5732.400	10153.607	1065439.900	1126502.400	52856.980	126134.080	52330.045	43886.056
2	13:33:17	30454.302	6032.523	10688.372	1077754.800	1141083.300	52958.919	128957.560	52957.350	44263.781
3	13:34:26	30058.152	5704.264	10177.061	1074134.200	1142538.200	52802.090	127122.470	53143.979	44776.312
X		30057.111	5823.062	10339.680	1072443.000	1136708.000	52872.663	127404.710	52810.458	44308.717
?		397.711	181.943	302.204	6329.260	8868.178	79.582	1432.742	426.386	446.826
%RSD		1.323	3.125	2.923	0.590	0.780	0.151	1.125	0.807	1.008

Run	Time	208Pb	209Bi	232Th	238U
1	13:32:08	108760.880	952836.850	614.076	270.315
2	13:33:17	111414.020	962600.530	437.507	221.877
3	13:34:26	110558.980	959674.090	400.006	239.065
X		110244.630	958370.490	483.863	243.752
?		1354.216	5010.680	114.316	24.557
%RSD		1.228	0.523	23.626	10.075

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Inst Id :P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	13:40:05	48696.920	15.625	81.250	1879.811	7325970.400	6015551.800	880803.990	1056380.900	7328194.000
2	13:41:14	49436.955	14.583	115.625	2040.771	7407983.400	6113939.500	881571.080	1054805.000	7452160.300
3	13:42:23	49352.288	13.021	82.813	2056.398	7462068.000	6140929.800	897627.680	1069784.700	7511067.700
X		49162.054	14.410	93.229	1992.327	7398673.900	6090140.400	886667.580	1060323.600	7430474.000
?		405.037	1.311	19.411	97.754	68524.735	65990.208	9499.471	8231.417	93345.674
%RSD		0.824	9.096	20.821	4.907	0.926	1.084	1.071	0.776	1.256

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	13:40:05	2481.466	363518.560	60783.726	317894.960	7635317.100	19081.485	303874.440	181666.550	19691.687
2	13:41:14	2662.748	374010.810	61508.694	318767.200	7657043.700	18587.084	309050.910	184719.380	19721.416
3	13:42:23	2750.265	372328.650	61547.925	319668.250	7625097.600	18036.379	307617.340	185240.130	19859.106
X		2631.493	369952.670	61280.115	318776.800	7639152.800	18568.316	306847.560	183875.350	19757.403
?		137.098	5635.227	430.333	886.686	16314.815	522.806	2672.712	1930.520	89.323
%RSD		5.210	1.523	0.702	0.278	0.214	2.816	0.871	1.050	0.452

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	13:40:05	10532.006	3355.081	3989.620	963906.190	2120.470	15319294.000	399183.120	243.752	285.940
2	13:41:14	10166.116	3348.830	3834.890	977114.450	2131.409	15616720.000	403402.310	262.502	257.815
3	13:42:23	10106.699	3275.375	3762.996	984064.930	2015.767	15728739.000	406881.740	251.565	317.191
X		10268.274	3326.429	3862.502	975028.520	2089.215	15554917.000	403155.720	252.606	286.982
?		230.323	44.324	115.808	10239.976	63.843	211603.460	3855.230	9.418	29.702
%RSD		2.243	1.332	2.998	1.050	3.056	1.360	0.956	3.729	10.350

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	13:40:05	895.341	475.008	584.387	146.355	39.063	39.063	471.362	34.375	28.646
2	13:41:14	903.154	428.131	681.266	140.626	37.500	37.500	455.736	33.854	28.125
3	13:42:23	1009.411	528.135	668.766	150.001	59.375	59.375	450.528	36.458	32.813
X		935.968	477.091	644.806	145.660	45.313	45.313	459.209	34.896	29.861
?		63.723	50.034	52.697	4.726	12.204	12.204	10.842	1.378	2.569
%RSD		6.808	10.487	8.172	3.245	26.932	26.932	2.361	3.949	8.604

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	13:40:05	1035.975	8060.086	110.938	21.875	57283.369	100897.240	109316.660	63260.067	163827.780
2	13:41:14	1018.786	8363.385	128.126	31.250	57386.908	101528.250	109911.830	64206.463	167224.610
3	13:42:23	964.095	8530.671	125.001	21.875	58762.797	102488.200	109837.820	63909.825	168354.960
X		1006.286	8318.047	121.355	25.000	57811.024	101637.900	109688.770	63792.118	166469.120
?		37.535	238.546	9.155	5.413	825.883	801.124	324.373	484.053	2356.251
%RSD		3.730	2.868	7.544	21.651	1.429	0.788	0.296	0.759	1.415

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	13:40:05	4.688	452612.920	320.316	240.627	50.000	50.000	237.502	90.625	307.816
2	13:41:14	7.813	455328.450	331.254	256.252	56.250	56.250	210.939	100.000	317.191
3	13:42:23	3.125	457768.670	315.628	253.127	70.313	70.313	210.939	125.001	254.690
X		5.208	455236.680	322.399	250.002	58.854	58.854	219.793	105.209	293.232
?		2.387	2579.099	8.018	8.268	10.404	10.404	15.336	17.770	33.706
%RSD		45.826	0.567	2.487	3.307	17.677	17.677	6.978	16.890	11.495

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	13:40:05	410.943	57.813	121.876	1064508.500	1130814.500	367.192	850.025	1235.991	1015.661
2	13:41:14	420.319	43.750	96.875	1075564.200	1140507.000	332.816	770.333	1260.993	1020.349
3	13:42:23	390.630	59.375	95.313	1076820.900	1148085.700	331.254	743.769	1225.053	1015.661
X		407.297	53.646	104.688	1072297.900	1139802.400	343.754	788.043	1240.679	1017.224
?		15.176	8.606	14.905	6774.998	8657.141	20.313	55.297	18.423	2.707
%RSD		3.726	16.041	14.238	0.632	0.760	5.909	7.017	1.485	0.266

Run	Time	208Pb	209Bi	232Th	238U
1	13:40:05	2464.275	989501.560	285.940	154.688
2	13:41:14	2601.799	993481.210	287.503	92.188
3	13:42:23	2579.920	1000452.800	287.503	135.938
X		2548.665	994478.520	286.982	127.605
?		73.898	5543.313	0.902	32.073
%RSD		2.899	0.557	0.314	25.134

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	13:48:03	47707.653	237.502	90.625	1795.425	7197029.200	5935542.000	863346.090	1033435.700	7245585.900
2	13:49:12	48304.968	251.565	79.688	2095.466	7250727.400	5975565.200	871960.450	1046583.700	7304463.700
3	13:50:21	48116.834	252.086	71.875	1992.326	7252491.300	5969213.500	874257.130	1041272.100	7301146.800
X		48043.152	247.051	80.729	1961.073	7233415.900	5960106.900	869854.550	1040430.500	7283732.200
?		305.398	8.274	9.418	152.443	31524.206	21509.568	5752.287	6614.262	33077.224
%RSD		0.636	3.349	11.667	7.773	0.436	0.361	0.661	0.636	0.454

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	13:48:03	2506.470	358668.560	59741.845	308083.480	7453138.700	18156.844	299164.070	179044.700	18618.375
2	13:49:12	2462.712	360748.080	60143.525	311765.190	7401536.600	18246.020	299751.190	181500.390	19242.639
3	13:50:21	2559.604	362459.330	59923.855	309255.270	7455343.300	18317.987	301908.410	181169.670	19859.106
X		2509.595	360625.330	59936.408	309701.310	7436672.900	18240.283	300274.560	180571.590	19240.040
?		48.522	1898.364	201.134	1880.952	30448.854	80.725	1445.088	1332.626	620.370
%RSD		1.933	0.526	0.336	0.607	0.409	0.443	0.481	0.738	3.224

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	13:48:03	11870.555	5807.430	3695.791	945966.080	5827.751	15138331.000	393058.960	3497.303	978.158
2	13:49:12	11886.193	5776.168	3869.274	955885.430	5959.055	15177172.000	394448.030	3436.351	987.534
3	13:50:21	11875.246	5934.045	3719.234	960375.180	5816.809	15406656.000	397350.250	3355.081	1100.042
X		11877.331	5839.214	3761.433	954075.560	5867.872	15240720.000	394952.410	3429.578	1021.912
?		8.025	83.600	94.126	7373.074	79.156	145011.290	2189.660	71.352	67.825
%RSD		0.068	1.432	2.502	0.773	1.349	0.951	0.554	2.080	6.637

Run	Time	63Cu	65Cu	66Zn	76As	77Se	77Ar Cl	78Se	82Se	83Kr
1	13:48:03	2612.739	1265.681	1200.050	597.929	60.938	60.938	536.468	66.146	33.333
2	13:49:12	2786.209	1303.184	1154.734	582.824	56.250	56.250	542.719	76.042	32.292
3	13:50:21	2745.576	1351.626	1262.556	625.535	59.375	59.375	532.302	69.792	31.250
X		2714.842	1306.831	1205.780	602.096	58.854	58.854	537.163	70.660	32.292
?		90.727	43.089	54.139	21.658	2.387	2.387	5.243	5.005	1.042
%RSD		3.342	3.297	4.490	3.597	4.055	4.055	0.976	7.083	3.226

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	13:48:03	953.157	8103.860	121.876	28.125	56273.115	98338.870	105569.890	62017.135	161563.140
2	13:49:12	1029.725	8305.539	125.001	34.375	56194.683	100068.000	108110.660	62299.610	162201.570
3	13:50:21	1014.099	8217.988	128.126	15.625	55766.447	99374.122	108024.070	63228.679	162892.170
X		998.993	8209.129	125.001	26.042	56078.082	99260.332	107234.870	62515.142	162218.960
?		40.457	101.131	3.125	9.547	272.718	870.164	1442.569	633.877	664.684
%RSD		4.050	1.232	2.500	36.661	0.486	0.877	1.345	1.014	0.410

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	13:48:03	4.688	447094.740	365.630	3222.238	112.500	112.500	3105.025	853.150	265.627
2	13:49:12	6.250	445603.910	353.129	3084.708	126.563	126.563	3058.140	823.461	248.440
3	13:50:21	6.250	446245.350	373.442	3106.588	120.313	120.313	3078.457	856.276	221.877
X		5.729	446314.670	364.067	3137.845	119.792	119.792	3080.541	844.296	245.315
?		0.902	747.825	10.246	73.901	7.046	7.046	23.512	18.111	22.042
%RSD		15.746	0.168	2.814	2.355	5.882	5.882	0.763	2.145	8.985

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	13:48:03	3320.698	651.577	1028.162	1061810.600	1130720.000	5524.506	13687.804	5399.458	4738.286
2	13:49:12	3175.353	637.514	1098.480	1064148.800	1134562.100	5616.729	13459.463	5787.109	4741.412
3	13:50:21	3217.550	612.513	1087.541	1066608.300	1126833.300	5505.748	13495.434	5602.661	4872.706
X		3237.867	633.868	1071.394	1064189.200	1130705.100	5548.994	13547.567	5596.409	4784.134
?		74.772	19.786	37.838	2399.137	3864.422	59.405	122.774	193.901	76.721
%RSD		2.309	3.121	3.532	0.225	0.342	1.071	0.906	3.465	1.604

Run	Time	208Pb	209Bi	232Th	238U
1	13:48:03	11762.653	983367.730	289.065	40.625
2	13:49:12	11709.484	988675.320	190.626	48.438
3	13:50:21	11898.703	982996.570	254.690	54.688
X		11790.280	985013.210	244.794	47.917
?		97.588	3176.905	49.960	7.046
%RSD		0.828	0.323	20.409	14.704

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	13:55:59	47726.466	59415.488	10971.399	1245.367	35545733.000	29712544.000	4196959.100	4955484.700	7443538.300
2	13:57:08	50263.269	61845.561	11651.625	1325.061	36876378.000	30910668.000	4404637.200	5292194.600	7913153.500
3	13:58:17	53493.718	65482.548	12647.784	1328.187	38124910.000	32163523.000	4602617.900	5488282.500	8255081.900
X		50494.484	62247.866	11756.936	1299.538	36849007.000	30928912.000	4401404.700	5245320.600	7870591.200
?		2890.570	3053.472	843.140	46.940	1289806.300	1225591.500	202848.700	269474.010	407442.550
%RSD		5.725	4.905	7.171	3.612	3.500	3.963	4.609	5.137	5.177

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	13:55:59	93435.813	370279.540	61491.433	247398.830	18423482.000	90537.553	1488124.000	179603.200	48151.325
2	13:57:08	98170.531	391429.180	64448.173	249796.260	18925966.000	93349.313	1550129.800	186527.020	49987.303
3	13:58:17	102396.920	411953.720	67146.495	252858.810	19658759.000	95406.587	1584852.300	192697.170	51994.448
X		98001.088	391220.810	64362.034	250017.960	19002736.000	93097.817	1541035.300	186275.800	50044.359
?		4482.955	20837.873	2828.515	2736.735	621206.590	2444.240	49001.241	6550.598	1922.197
%RSD		4.574	5.326	4.395	1.095	3.269	2.625	3.180	3.517	3.841

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	13:55:59	681452.730	639252.010	78232.376	2234316.100	1793932.400	37506292.000	979059.860	783667.780	172929.430
2	13:57:08	705343.310	665756.750	81373.286	2328328.000	1868233.000	39190722.000	1026042.800	819633.840	179255.120
3	13:58:17	732785.060	689182.490	85346.368	2430881.200	1895269.600	40921533.000	1061118.100	844022.360	187101.650
X		706527.030	664730.420	81650.677	2331175.100	1852478.300	39206182.000	1022073.600	815774.660	179762.070
?		25686.630	24981.056	3565.099	98313.491	52473.473	1707672.900	41172.873	30361.798	7099.699
%RSD		3.636	3.758	4.366	4.217	2.833	4.356	4.028	3.722	3.949

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	13:55:59	864848.630	419729.920	287884.270	121247.250	7542.616	7542.616	24799.110	10452.781	38.021
2	13:57:08	892608.630	430422.360	293106.040	123835.980	7928.762	7928.762	25598.435	10893.214	39.063
3	13:58:17	927516.430	446782.050	302825.960	127697.880	8125.748	8125.748	26290.837	11042.808	28.646
X		894991.230	432311.440	294605.430	124260.370	7865.709	7865.709	25562.794	10796.268	35.243
?		31401.764	13624.647	7582.852	3246.189	296.635	296.635	746.502	306.728	5.737
%RSD		3.509	3.152	2.574	2.612	3.771	3.771	2.920	2.841	16.279

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	13:55:59	131609.710	1172418.100	747710.660	167306.810	424330.050	252693.420	322042.570	160085.710	417236.580
2	13:57:08	134338.050	1192353.900	781470.960	175110.440	446617.660	261176.780	331916.300	165501.590	428744.910
3	13:58:17	137633.260	1220672.500	805160.200	182785.370	454146.390	267003.330	339412.830	169229.260	437345.110
X		134527.010	1195148.100	778113.940	175067.540	441698.030	260291.170	331123.900	164938.860	427775.530
?		3016.218	24248.237	28871.518	7739.368	15505.019	7195.940	8712.199	4597.675	10089.255
%RSD		2.242	2.029	3.710	4.421	3.510	2.765	2.631	2.788	2.359

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	13:55:59	4.688	437994.240	20256.539	97442.132	13193.590	13193.590	83688.164	183537.110	507921.740
2	13:57:08	7.813	445563.620	20838.625	93399.640	14038.144	14038.144	85055.579	188067.330	521847.920
3	13:58:17	6.250	453375.600	21348.753	92261.027	14360.339	14360.339	88012.472	190675.000	528935.960
X		6.250	445644.490	20814.639	94367.600	13864.024	13864.024	85585.405	187426.480	519568.540
?		1.563	7691.002	546.502	2722.806	602.548	602.548	2210.305	3611.840	10690.929
%RSD		25.000	1.726	2.626	2.885	4.346	4.346	2.583	1.927	2.058

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	13:55:59	689670.850	674326.220	1205514.400	1043581.800	1110738.500	1254000.600	3003530.900	1060731.600	902076.460
2	13:57:08	709496.250	689036.640	1221474.300	1054583.300	1122390.600	1274833.700	3007376.200	1074645.600	912146.020
3	13:58:17	716859.920	701534.330	1241469.200	1076669.500	1131611.600	1281863.500	3065779.700	1085532.100	913039.530
X		705342.340	688299.060	1222819.300	1058278.200	1121580.200	1270232.600	3025562.300	1073636.400	909087.340
?		14062.452	13619.042	18015.061	16850.468	10460.128	14490.085	34882.355	12431.040	6088.014
%RSD		1.994	1.979	1.473	1.592	0.933	1.141	1.153	1.158	0.670

Run	Time	208Pb	209Bi	232Th	238U
1	13:55:59	2273922.900	947485.420	5013794.700	5149643.400
2	13:57:08	2304042.500	958916.280	5041824.300	5186921.400
3	13:58:17	2304471.300	958358.800	5043696.400	5192389.200
X		2294145.600	954920.160	5033105.100	5176318.000
?		17514.621	6444.711	16749.494	23262.095
%RSD		0.763	0.675	0.333	0.449

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	14:03:54	49082.611	21.354	235.939	1106.293	89889.731	7487.899	989.097	1185.987	4825.815
2	14:05:03	48414.713	13.021	178.126	987.534	86374.394	5451.040	732.831	870.339	4056.826
3	14:06:12	50597.257	16.146	195.314	1131.295	85871.375	3877.089	534.385	646.890	3253.495
X		49364.861	16.840	203.126	1075.041	87378.500	5605.343	752.104	901.072	4045.379
?		1118.313	4.210	29.688	76.807	2189.285	1810.344	227.968	270.859	786.222
%RSD		2.265	24.999	14.615	7.145	2.506	32.297	30.311	30.060	19.435

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	14:03:54	1940.757	1670.410	26847.078	263119.760	160787.280	45.313	832.837	177717.340	26.563
2	14:05:03	1906.377	1671.973	27008.319	266134.210	157924.360	37.500	821.899	179932.310	26.563
3	14:06:12	1962.635	1751.670	27330.807	269283.020	158587.900	26.563	834.399	181448.170	14.063
X		1936.590	1698.018	27062.068	266179.000	159099.840	36.458	829.712	179699.270	22.396
?		28.359	46.471	246.303	3081.875	1498.548	9.418	6.811	1876.303	7.217
%RSD		1.464	2.737	0.910	1.158	0.942	25.833	0.821	1.044	32.224

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	14:03:54	6373.296	696.892	2150.162	6537.433	860.963	100461.370	3087.834	167.188	89.063
2	14:05:03	6601.525	628.139	2151.725	6204.472	784.397	98938.300	2995.627	123.438	82.813
3	14:06:12	6407.687	700.017	2243.926	6173.209	689.079	96735.793	2901.857	120.313	93.750
X		6460.836	675.016	2181.938	6305.038	778.146	98711.823	2995.106	136.980	88.542
?		123.048	40.627	53.689	201.866	86.112	1873.088	92.989	26.208	5.487
%RSD		1.905	6.019	2.461	3.202	11.066	1.898	3.105	19.133	6.197

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	14:03:54	328.129	176.564	200.001	123.438	31.250	31.250	438.028	27.604	29.688
2	14:05:03	268.753	139.063	179.689	102.605	18.750	18.750	438.028	17.708	37.500
3	14:06:12	232.814	103.125	201.564	99.480	31.250	31.250	416.673	41.667	36.979
X		276.565	139.584	193.751	108.507	27.083	27.083	430.909	28.993	34.722
?		48.135	36.722	12.204	13.024	7.217	7.217	12.329	12.039	4.368
%RSD		17.405	26.308	6.299	12.003	26.647	26.647	2.861	41.525	12.580

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	14:03:54	82.813	306.253	853.150	160.938	592.200	478.133	582.824	314.066	818.773
2	14:05:03	67.188	198.439	692.204	159.376	459.382	353.129	400.006	226.564	582.824
3	14:06:12	68.750	184.376	704.705	157.813	404.693	250.002	350.004	171.876	453.132
X		72.917	229.689	750.020	159.376	485.425	360.422	444.278	237.502	618.243
?		8.606	66.678	89.532	1.563	96.428	114.240	122.562	71.723	185.376
%RSD		11.802	29.030	11.937	0.980	19.865	31.696	27.587	30.199	29.984

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	14:03:54	4.688	445247.750	301.566	1159.422	1.563	1.563	1075.040	68.750	1084.416
2	14:05:03	9.375	444445.210	335.941	1081.291	3.125	3.125	1043.788	50.000	932.843
3	14:06:12	1.563	449067.690	314.066	1114.106	6.250	6.250	1146.921	51.563	734.394
X		5.208	446253.550	317.191	1118.273	3.646	3.646	1088.583	56.771	917.218
?		3.932	2469.934	17.400	39.232	2.387	2.387	52.883	10.404	175.534
%RSD		75.498	0.553	5.486	3.508	65.465	65.465	4.858	18.326	19.138

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	14:03:54	2304.873	120.313	215.627	1038143.800	1098067.600	904.716	1954.821	339.067	296.878
2	14:05:03	1679.786	75.000	154.688	1033650.500	1096428.300	682.829	1587.588	248.440	235.939
3	14:06:12	1342.251	73.438	107.813	1039771.600	1095491.600	559.386	1284.433	226.564	173.439
X		1775.637	89.584	159.376	1037188.600	1096662.500	715.644	1608.947	271.357	235.419
?		488.417	26.624	54.060	3170.387	1303.875	174.988	335.704	59.650	61.721
%RSD		27.507	29.720	33.919	0.306	0.119	24.452	20.865	21.982	26.218

Run	Time	208Pb	209Bi	232Th	238U
1	14:03:54	621.889	966454.380	5174.374	1210.989
2	14:05:03	501.571	960979.480	3475.423	790.647
3	14:06:12	478.133	965163.530	2540.851	462.507
X		533.864	964199.130	3730.216	821.381
?		77.127	2862.021	1335.122	375.186
%RSD		14.447	0.297	35.792	45.677

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Reviewed by: jaswal
On: 7/26/2012 11:43:57
Inst Id :P6

PB64537BL PBW01 07/25/2012 02:10:40 PM

UserPre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	14:11:49	48003.956	10.417	123.438	1089.104	80141.351	1348.501	167.188	212.502	2145.474
2	14:12:58	47433.304	11.458	109.375	1117.231	80633.169	1173.486	137.501	150.001	2073.588
3	14:14:07	49502.808	7.292	128.126	1042.226	80718.022	1482.890	201.564	235.939	2234.550
X		48313.356	9.722	120.313	1082.854	80497.514	1334.959	168.751	199.481	2151.204
?		1068.882	2.168	9.758	37.891	311.350	155.146	32.060	44.424	80.634
%RSD		2.212	22.304	8.110	3.499	0.387	11.622	18.999	22.270	3.748

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	14:11:49	1912.628	1587.588	26457.289	263804.080	154520.250	32.813	693.767	175023.450	15.625
2	14:12:58	1922.004	1576.650	26314.839	267121.120	154313.340	29.688	600.013	175132.580	6.250
3	14:14:07	1959.509	1567.274	27072.503	267684.650	156158.220	23.438	626.576	176440.720	12.500
X		1931.381	1577.170	26614.877	266203.280	154997.270	28.646	640.119	175532.250	11.458
?		24.807	10.167	402.665	2096.788	1010.725	4.774	48.322	788.649	4.774
%RSD		1.284	0.645	1.513	0.788	0.652	16.664	7.549	0.449	41.660

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	14:11:49	5909.034	606.263	2048.584	5766.789	496.884	90677.499	2726.823	56.250	50.000
2	14:12:58	5841.819	625.014	2118.907	5877.771	539.073	90339.430	2593.986	53.125	62.500
3	14:14:07	6062.224	589.075	1976.699	5971.560	540.635	92292.479	2593.986	46.875	79.688
X		5937.692	606.784	2048.064	5872.040	525.531	91103.136	2638.265	52.083	64.063
?		112.962	17.975	71.105	102.506	24.821	1043.780	76.694	4.774	14.905
%RSD		1.902	2.962	3.472	1.746	4.723	1.146	2.907	9.165	23.267

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	14:11:49	210.939	76.563	156.251	94.271	28.125	28.125	414.069	23.438	29.167
2	14:12:58	154.688	71.875	156.251	88.542	32.813	32.813	453.653	28.125	31.250
3	14:14:07	153.126	68.750	189.064	91.146	37.500	37.500	423.444	28.125	31.771
X		172.918	72.396	167.188	91.320	32.813	32.813	430.388	26.563	30.729
?		32.937	3.932	18.945	2.869	4.688	4.688	20.686	2.706	1.378
%RSD		19.048	5.432	11.331	3.141	14.286	14.286	4.806	10.189	4.484

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	14:11:49	73.438	129.688	573.449	142.188	242.190	104.688	150.001	82.813	182.814
2	14:12:58	62.500	148.438	518.759	109.375	225.002	101.563	146.876	89.063	160.938
3	14:14:07	67.188	112.500	540.635	120.313	248.440	107.813	178.126	56.250	139.063
X		67.708	130.209	544.281	123.959	238.544	104.688	158.334	76.042	160.938
?		5.487	17.975	27.526	16.707	12.137	3.125	17.211	17.423	21.875
%RSD		8.104	13.804	5.057	13.478	5.088	2.985	10.870	22.912	13.592

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	14:11:49	1.563	436663.800	362.505	973.471	6.250	6.250	859.401	26.563	421.881
2	14:12:58	9.375	437991.020	337.504	931.280	1.563	1.563	860.963	25.000	345.317
3	14:14:07	4.688	447441.270	353.129	890.653	4.688	4.688	856.276	34.375	335.941
X		5.208	440698.700	351.046	931.801	4.167	4.167	858.880	28.646	367.713
?		3.932	5876.831	12.630	41.411	2.387	2.387	2.387	5.023	47.145
%RSD		75.498	1.334	3.598	4.444	57.282	57.282	0.278	17.534	12.821

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	14:11:49	507.822	17.188	29.688	1029814.300	1088086.200	362.505	856.276	148.438	142.188
2	14:12:58	465.633	7.813	25.000	1024934.500	1091999.800	315.628	829.712	164.063	128.126
3	14:14:07	476.570	29.688	37.500	1042067.700	1099408.800	329.691	817.211	160.938	126.563
X		483.342	18.229	30.729	1032272.200	1093164.900	335.941	834.399	157.813	132.292
?		21.894	10.975	6.315	8827.072	5750.551	24.055	19.950	8.268	8.606
%RSD		4.530	60.204	20.550	0.855	0.526	7.160	2.391	5.239	6.505

Run	Time	208Pb	209Bi	232Th	238U
1	14:11:49	276.565	952751.760	1035.975	115.625
2	14:12:58	296.878	959346.920	903.154	96.875
3	14:14:07	357.817	969657.770	832.837	112.500
X		310.420	960585.480	923.988	108.334
?		42.285	8520.790	103.159	10.046
%RSD		13.622	0.887	11.165	9.273

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User Pre-dilution: 1.00

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Inst Id : P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	14:19:44	47506.986	13.021	90.625	1050.039	78494.747	1421.946	215.627	223.439	2414.267
2	14:20:54	48003.956	9.375	60.938	1043.788	78774.405	1168.798	165.626	167.188	2323.627
3	14:22:02	47496.012	10.417	84.375	1046.913	80078.500	1095.355	139.063	204.689	2243.926
X		47668.984	10.938	78.646	1046.913	79115.884	1228.699	173.439	198.439	2327.273
?		290.145	1.878	15.651	3.125	845.296	171.338	38.875	28.641	85.229
%RSD		0.609	17.169	19.901	0.299	1.068	13.945	22.414	14.433	3.662

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	14:19:44	1906.377	1512.580	26399.370	264036.440	153065.650	23.438	625.014	174461.950	4.688
2	14:20:54	1900.126	1629.781	26723.409	263234.340	153299.380	21.875	600.013	174316.440	3.125
3	14:22:02	1900.126	1609.466	26670.185	265198.290	153111.450	3.125	609.388	172130.810	7.813
X		1902.210	1583.942	26597.655	264156.360	153158.830	16.146	611.471	173636.400	5.208
?		3.609	62.630	173.769	987.452	123.862	11.303	12.630	1305.912	2.387
%RSD		0.190	3.954	0.653	0.374	0.081	70.008	2.066	0.752	45.826

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	14:19:44	5666.749	610.951	1881.374	5732.400	539.073	88569.021	2672.125	45.313	60.938
2	14:20:54	5669.875	579.699	1879.811	5807.430	625.014	88595.748	2697.130	43.750	60.938
3	14:22:02	5798.051	531.260	2000.140	5679.254	514.072	89801.680	2651.809	31.250	62.500
X		5711.558	573.970	1920.442	5739.695	559.386	88988.816	2673.688	40.104	61.458
?		74.921	40.153	69.025	64.399	58.194	704.088	22.701	7.708	0.902
%RSD		1.312	6.996	3.594	1.122	10.403	0.791	0.849	19.219	1.468

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	14:19:44	159.376	60.938	164.063	82.292	18.750	18.750	401.047	22.917	26.563
2	14:20:54	153.126	65.625	151.563	83.334	39.063	39.063	407.297	29.167	34.375
3	14:22:02	176.564	87.500	168.751	75.000	26.563	26.563	435.423	27.083	32.813
X		163.022	71.354	161.459	80.209	28.125	28.125	414.589	26.389	31.250
?		12.137	14.178	8.885	4.541	10.246	10.246	18.311	3.182	4.134
%RSD		7.445	19.870	5.503	5.661	36.430	36.430	4.417	12.059	13.229

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	14:19:44	48.438	156.251	476.570	112.500	242.190	73.438	104.688	45.313	114.063
2	14:20:54	50.000	110.938	475.008	117.188	267.190	54.688	93.750	29.688	82.813
3	14:22:02	65.625	128.126	507.822	120.313	215.627	59.375	90.625	50.000	85.938
X		54.688	131.771	486.467	116.667	241.669	62.500	96.354	41.667	94.271
?		9.504	22.875	18.510	3.932	25.786	9.758	7.384	10.636	17.211
%RSD		17.379	17.360	3.805	3.370	10.670	15.613	7.664	25.526	18.257

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	14:19:44	3.125	437369.270	309.378	789.084	4.688	4.688	710.955	26.563	242.190
2	14:20:54	4.688	435567.010	315.628	801.585	6.250	6.250	709.393	39.063	243.752
3	14:22:02	1.563	436873.180	331.254	754.707	3.125	3.125	731.269	42.188	201.564
X		3.125	436603.150	318.754	781.792	4.688	4.688	717.206	35.938	229.169
?		1.563	930.982	11.268	24.275	1.563	1.563	12.204	8.268	23.919
%RSD		50.000	0.213	3.535	3.105	33.333	33.333	1.702	23.007	10.437

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	14:19:44	284.378	9.375	23.438	1029718.700	1088749.600	240.627	650.015	128.126	125.001
2	14:20:54	246.877	10.938	29.688	1030909.500	1085365.400	270.315	685.954	134.376	126.563
3	14:22:02	237.502	9.375	37.500	1030985.000	1093140.000	268.753	648.452	148.438	120.313
X		256.252	9.896	30.208	1030537.700	1089085.000	259.898	661.474	136.980	123.959
?		24.804	0.902	7.046	710.317	3898.141	16.708	21.215	10.404	3.253
%RSD		9.680	9.116	23.324	0.069	0.358	6.429	3.207	7.595	2.624

Run	Time	208Pb	209Bi	232Th	238U
1	14:19:44	281.253	958435.570	550.011	93.750
2	14:20:54	295.316	959642.370	390.630	26.563
3	14:22:02	315.628	954665.590	382.818	45.313
X		297.399	957581.180	441.153	55.208
?		17.282	2596.073	94.354	34.670
%RSD		5.811	0.271	21.388	62.798

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	14:27:40	47594.777	5.208	75.000	1053.164	77721.788	1210.989	182.814	175.001	2223.611
2	14:28:49	46870.514	7.813	50.000	1017.224	77316.472	1182.862	175.001	184.376	2211.109
3	14:29:58	47312.592	5.208	50.000	1028.162	78276.366	1296.934	156.251	190.626	2318.938
X		47259.294	6.076	58.333	1032.850	77771.542	1230.261	171.355	183.335	2251.219
?		365.062	1.504	14.434	18.423	481.877	59.428	13.652	7.865	58.979
%RSD		0.772	24.744	24.744	1.784	0.620	4.831	7.967	4.290	2.620

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	14:27:40	1762.609	1548.521	26643.573	259994.570	150955.880	18.750	601.575	171776.580	17.188
2	14:28:49	1897.001	1548.521	26338.320	261989.900	150935.350	18.750	629.701	172323.740	12.500
3	14:29:58	1737.606	1606.340	26139.518	263641.750	152061.260	15.625	564.074	172734.910	15.625
X		1799.072	1567.794	26373.803	261875.410	151317.490	17.708	598.450	172278.410	15.104
?		85.726	33.382	253.894	1826.286	644.199	1.804	32.925	480.769	2.387
%RSD		4.765	2.129	0.963	0.697	0.426	10.189	5.502	0.279	15.802

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	14:27:40	5358.817	581.262	1898.564	5590.156	512.509	87110.091	2539.288	37.500	73.438
2	14:28:49	5352.565	542.198	1951.696	5808.993	521.885	87199.698	2600.237	40.625	70.313
3	14:29:58	5394.768	546.885	1945.445	5627.671	515.634	88639.770	2673.688	31.250	54.688
X		5368.717	556.782	1931.902	5675.607	516.676	87649.853	2604.404	36.458	66.146
?		22.777	21.330	29.040	117.029	4.774	858.463	67.297	4.774	10.046
%RSD		0.424	3.831	1.503	2.062	0.924	0.979	2.584	13.093	15.187

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	14:27:40	165.626	64.063	154.688	69.792	37.500	37.500	390.630	24.479	32.813
2	14:28:49	150.001	45.313	121.876	86.979	31.250	31.250	422.923	30.208	26.563
3	14:29:58	156.251	64.063	153.126	80.729	23.438	23.438	413.548	25.000	23.438
X		157.293	57.813	143.230	79.167	30.729	30.729	409.034	26.563	27.604
?		7.864	10.825	18.510	8.700	7.046	7.046	16.613	3.168	4.774
%RSD		5.000	18.725	12.923	10.989	22.928	22.928	4.061	11.927	17.293

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	14:27:40	51.563	118.750	435.944	84.375	175.001	39.063	65.625	43.750	48.438
2	14:28:49	50.000	115.625	493.759	71.875	178.126	28.125	76.563	40.625	54.688
3	14:29:58	40.625	107.813	451.570	101.563	176.564	42.188	56.250	39.063	39.063
X		47.396	114.063	460.424	85.938	176.564	36.458	66.146	41.146	47.396
?		5.916	5.634	29.907	14.905	1.563	7.384	10.166	2.387	7.864
%RSD		12.481	4.939	6.496	17.344	0.885	20.254	15.370	5.801	16.593

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	14:27:40	0.000	436262.760	321.879	585.950	1.563	1.563	625.014	34.375	203.126
2	14:28:49	1.563	435449.440	267.190	634.389	6.250	6.250	628.139	28.125	195.314
3	14:29:58	3.125	431893.910	317.191	625.014	1.563	1.563	662.515	26.563	215.627
X		1.563	434535.370	302.087	615.117	3.125	3.125	638.556	29.688	204.689
?		1.563	2323.434	30.312	25.691	2.706	2.706	20.808	4.134	10.246
%RSD		100.000	0.535	10.034	4.177	86.603	86.603	3.259	13.925	5.006

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	14:27:40	184.376	14.063	21.875	1017866.000	1074442.100	220.314	601.575	137.501	115.625
2	14:28:49	171.876	17.188	28.125	1016491.900	1079846.400	246.877	531.260	151.563	129.688
3	14:29:58	185.939	20.313	17.188	1017706.800	1084113.000	220.314	545.323	154.688	131.251
X		180.730	17.188	22.396	1017354.900	1079467.200	229.169	559.386	147.917	125.521
?		7.708	3.125	5.487	751.608	4846.596	15.336	37.207	9.156	8.606
%RSD		4.265	18.182	24.502	0.074	0.449	6.692	6.651	6.190	6.856

Run	Time	208Pb	209Bi	232Th	238U
1	14:27:40	328.129	954897.530	318.754	39.063
2	14:28:49	320.316	956042.300	321.879	35.938
3	14:29:58	267.190	948135.890	295.316	42.188
X		305.212	953025.240	311.983	39.063
?		33.159	4272.811	14.518	3.125
%RSD		10.864	0.448	4.654	8.000

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	14:35:37	47011.601	246.877	457.820	1059.414	789740.440	601456.460	82644.615	98935.154	32100.087
2	14:36:46	47169.934	215.106	485.946	1045.351	788852.730	599415.490	83081.513	99562.930	31691.363
3	14:37:54	47049.225	218.231	500.009	1143.796	798868.170	608210.130	84362.425	101918.520	32137.671
X		47076.920	226.738	481.258	1082.854	792487.110	603027.360	83362.851	100138.870	31976.374
?		82.720	17.511	21.482	53.244	5543.956	4602.957	892.794	1572.861	247.541
%RSD		0.176	7.723	4.464	4.917	0.700	0.763	1.071	1.571	0.774

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	14:35:37	5110.289	5039.951	26516.775	258833.130	867013.170	1711.040	28235.689	171041.270	873.464
2	14:36:46	5282.226	4978.993	26931.612	260331.880	874343.430	1673.536	28251.345	170321.820	834.399
3	14:37:54	5213.451	5066.523	26975.445	261270.660	882821.420	1670.410	29176.639	173346.940	871.902
X		5201.989	5028.489	26807.944	260145.220	874726.010	1684.995	28554.558	171570.010	859.922
?		86.540	44.877	253.111	1229.435	7911.068	22.609	538.795	1580.353	22.117
%RSD		1.664	0.892	0.944	0.473	0.904	1.342	1.887	0.921	2.572

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	14:35:37	17748.519	5394.768	2140.785	42108.844	3991.183	698736.470	17582.689	3117.528	731.269
2	14:36:46	17529.498	5266.596	2303.311	41878.481	3927.102	703161.470	17883.061	3003.441	707.830
3	14:37:54	17950.333	5438.535	2264.242	42162.126	3934.917	709447.020	17587.382	2989.375	757.833
X		17742.783	5366.633	2236.113	42049.817	3951.067	703781.650	17684.377	3036.781	732.310
?		210.476	89.356	84.835	150.754	34.960	5382.144	172.081	70.281	25.018
%RSD		1.186	1.665	3.794	0.359	0.885	0.765	0.973	2.314	3.416

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	14:35:37	3380.087	1650.095	1367.253	515.113	153.126	153.126	882.319	227.085	31.250
2	14:36:46	3486.363	1603.215	1328.187	500.530	198.439	198.439	913.050	215.627	30.208
3	14:37:54	3637.963	1556.335	1382.879	536.989	234.377	234.377	897.945	233.856	31.771
X		3501.471	1603.215	1359.440	517.544	195.314	195.314	897.771	225.523	31.076
?		129.600	46.880	28.171	18.351	40.716	40.716	15.366	9.215	0.796
%RSD		3.701	2.924	2.072	3.546	20.846	20.846	1.712	4.086	2.560

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	14:35:37	621.889	4499.146	3030.009	685.954	3878.652	4550.725	5099.347	2803.400	7478.520
2	14:36:46	531.260	4502.272	2862.787	587.512	3803.631	4739.849	5421.341	2917.485	7678.626
3	14:37:54	534.385	4503.835	2603.362	589.075	3620.771	4688.269	5325.993	2947.179	7714.583
X		562.511	4501.751	2832.053	620.847	3767.685	4659.614	5282.227	2889.355	7623.909
?		51.446	2.388	214.977	56.390	132.645	97.764	165.398	75.905	127.188
%RSD		9.146	0.053	7.591	9.083	3.521	2.098	3.131	2.627	1.668

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	14:35:37	3.125	430225.950	373.442	3509.806	48.438	48.438	3272.250	695.329	9617.299
2	14:36:46	6.250	432992.040	381.255	3442.602	46.875	46.875	3316.010	740.644	9672.023
3	14:37:54	9.375	437842.830	371.880	3634.837	70.313	70.313	3411.345	731.269	9861.215
X		6.250	433686.940	375.526	3529.082	55.208	55.208	3333.201	722.414	9716.846
?		3.125	3855.692	5.023	97.556	13.104	13.104	71.123	23.920	127.987
%RSD		50.000	0.889	1.338	2.764	23.735	23.735	2.134	3.311	1.317

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	14:35:37	5330.682	4989.934	8982.511	1013506.100	1075562.500	5130.609	12208.339	4195.929	3653.592
2	14:36:46	5252.528	5215.014	9032.542	1016947.600	1074588.400	5175.938	12216.158	4261.573	3555.130
3	14:37:54	5380.701	5254.091	9170.130	1020874.300	1086380.600	5035.262	12413.203	4227.188	3564.507
X		5321.304	5153.013	9061.728	1017109.400	1078843.800	5113.936	12279.234	4228.230	3591.076
?		64.599	142.576	97.155	3686.766	6545.172	71.804	116.087	32.835	54.343
%RSD		1.214	2.767	1.072	0.362	0.607	1.404	0.945	0.777	1.513

Run	Time	208Pb	209Bi	232Th	238U
1	14:35:37	9131.042	955788.640	16393.776	20201.774
2	14:36:46	9087.264	956302.630	17807.967	20182.997
3	14:37:54	8905.900	957325.670	18490.083	20007.751
X		9041.402	956472.320	17563.942	20130.841
?		119.372	782.440	1069.246	107.011
%RSD		1.320	0.082	6.088	0.532

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	14:43:32	46483.314	232.294	476.570	1084.416	783271.930	599511.590	83645.729	99490.553	31887.110
2	14:44:41	46716.887	234.377	437.507	1145.358	795881.640	603753.500	84318.416	99493.700	31627.158
3	14:45:50	47027.278	214.585	510.947	1106.293	791649.690	605889.580	83790.323	99765.901	31932.524
X		46742.493	227.085	475.008	1112.023	790267.760	603051.560	83918.156	99583.385	31815.598
?		272.884	10.875	36.745	30.872	6417.437	3246.417	354.095	158.072	164.765
%RSD		0.584	4.789	7.736	2.776	0.812	0.538	0.422	0.159	0.518

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	14:43:32	5235.334	4983.682	26490.163	256857.320	869357.190	1728.230	28511.235	170228.530	829.712
2	14:44:41	5263.470	5152.492	26444.766	256908.230	870052.340	1704.789	28598.910	171038.110	923.467
3	14:45:50	5247.839	4928.975	26277.270	257538.170	873163.510	1748.545	28797.747	170823.060	904.716
X		5248.881	5021.716	26404.066	257101.240	870857.680	1727.188	28635.964	170696.570	885.965
?		14.097	116.511	112.130	379.246	2026.926	21.896	146.806	419.353	49.611
%RSD		0.269	2.320	0.425	0.148	0.233	1.268	0.513	0.246	5.600

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	14:43:32	17782.936	5501.059	2226.736	41786.023	3980.242	704716.610	17371.493	2967.496	795.335
2	14:44:41	17448.149	5444.787	2300.185	42246.750	3989.620	702912.140	17803.274	2984.687	771.896
3	14:45:50	17437.198	5424.467	2275.181	41771.920	4164.670	705929.010	17642.137	3058.140	745.332
X		17556.094	5456.771	2267.368	41934.898	4044.844	704519.260	17605.635	3003.441	770.854
?		196.527	39.677	37.343	270.164	103.878	1518.088	218.193	48.144	25.018
%RSD		1.119	0.727	1.647	0.644	2.568	0.215	1.239	1.603	3.245

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	14:43:32	3534.812	1765.734	1354.752	518.239	195.314	195.314	861.484	207.293	22.396
2	14:44:41	3422.285	1739.168	1329.749	487.508	179.689	179.689	875.548	208.856	22.917
3	14:45:50	3426.974	1676.661	1243.804	520.843	157.813	157.813	894.299	213.543	27.604
X		3461.357	1727.188	1309.435	508.863	177.605	177.605	877.110	209.897	24.306
?		63.657	45.729	58.197	18.540	18.837	18.837	16.463	3.253	2.869
%RSD		1.839	2.648	4.444	3.643	10.606	10.606	1.877	1.550	11.802

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	14:43:32	537.510	4442.878	2236.113	506.259	3361.333	4613.245	4849.260	2970.621	7662.992
2	14:44:41	546.885	4549.162	2123.595	478.133	3558.256	4760.168	5168.122	3000.315	7702.076
3	14:45:50	609.388	4524.154	2025.144	414.069	3405.093	4864.891	5396.332	2914.360	7886.551
X		564.595	4505.398	2128.284	466.153	3441.561	4746.101	5137.905	2961.765	7750.540
?		39.074	55.569	105.563	47.248	103.402	126.411	274.785	43.657	119.400
%RSD		6.921	1.233	4.960	10.136	3.005	2.663	5.348	1.474	1.541

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	14:43:32	1.563	427355.760	381.255	3120.653	59.375	59.375	3045.637	707.830	9642.316
2	14:44:41	4.688	427859.580	407.818	3233.178	78.125	78.125	3098.774	693.767	9553.193
3	14:45:50	3.125	426626.640	346.879	3198.796	50.000	50.000	3075.331	675.016	9714.239
X		3.125	427280.660	378.651	3184.209	62.500	62.500	3073.247	692.204	9636.583
?		1.563	619.891	30.553	57.663	14.321	14.321	26.629	16.463	80.676
%RSD		50.000	0.145	8.069	1.811	22.913	22.913	0.866	2.378	0.837

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	14:43:32	5300.983	5204.073	8991.891	1008749.000	1073220.800	5079.028	12444.480	4341.285	3548.878
2	14:44:41	5568.273	5196.257	8990.328	1011876.100	1067852.600	5218.140	12450.736	4120.907	3670.784
3	14:45:50	5346.313	5061.834	9134.169	1011415.500	1072206.600	5183.753	12378.798	4255.321	3653.592
X		5405.190	5154.055	9038.796	1010680.200	1071093.300	5160.307	12424.672	4239.171	3624.418
?		143.041	79.961	82.599	1688.263	2852.020	72.459	39.850	111.073	65.982
%RSD		2.646	1.551	0.914	0.167	0.266	1.404	0.321	2.620	1.820

Run	Time	208Pb	209Bi	232Th	238U
1	14:43:32	9088.828	945777.640	17006.992	20206.468
2	14:44:41	8907.464	955354.760	18070.797	20096.939
3	14:45:50	9016.907	946499.750	18454.099	20442.741
X		9004.400	949210.720	17843.963	20248.716
?		91.327	5333.134	749.747	176.730
%RSD		1.014	0.562	4.202	0.873

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Reviewed by: jaswal
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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	14:51:29	45517.712	218.231	468.758	1089.104	782099.290	596265.830	82408.884	99317.480	31985.768
2	14:52:38	45423.664	216.147	521.885	993.785	789077.120	599321.030	83354.974	99605.412	31685.099
3	14:53:47	47143.284	229.169	456.257	1095.355	783426.970	596896.040	83383.264	98437.987	31501.882
X		46028.220	221.182	482.300	1059.414	784867.800	597494.300	83049.041	99120.293	31724.250
?		966.818	6.994	34.846	56.923	3705.335	1613.068	554.572	608.180	244.307
%RSD		2.100	3.162	7.225	5.373	0.472	0.270	0.668	0.614	0.770

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	14:51:29	5025.884	4902.404	26297.620	253348.620	864976.340	1654.783	28545.679	168810.280	973.471
2	14:52:38	5204.073	4925.849	26075.338	254337.840	874569.140	1582.900	28991.889	166731.400	829.712
3	14:53:47	5247.839	4885.210	26379.020	254741.820	865561.820	1589.151	28620.829	170544.770	834.399
X		5159.265	4904.488	26250.659	254142.760	868369.100	1608.945	28719.466	168695.480	879.194
?		117.566	20.399	157.193	716.794	5377.366	39.820	238.899	1909.275	81.680
%RSD		2.279	0.416	0.599	0.282	0.619	2.475	0.832	1.132	9.290

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	14:51:29	17376.186	5407.273	2098.592	41461.643	3817.698	705869.950	17477.873	3011.255	737.519
2	14:52:38	17668.732	5496.370	2206.420	41814.231	4008.375	702508.630	17488.824	3048.763	679.704
3	14:53:47	17268.243	5447.914	2178.291	40830.140	3775.499	700128.770	17648.395	2950.305	706.267
X		17437.720	5450.519	2161.101	41368.671	3867.190	702835.780	17538.364	3003.441	707.830
?		207.214	44.605	55.932	498.589	124.076	2884.537	95.447	49.692	28.939
%RSD		1.188	0.818	2.588	1.205	3.208	0.410	0.544	1.655	4.088

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	14:51:29	3506.680	1692.288	1364.128	456.257	193.751	193.751	884.923	247.398	27.604
2	14:52:38	3456.668	1693.850	1350.064	519.801	151.563	151.563	851.588	249.481	20.313
3	14:53:47	3461.357	1661.034	1346.939	509.905	175.001	175.001	890.132	234.898	29.688
X		3474.902	1682.391	1353.710	495.321	173.439	173.439	875.548	243.926	25.868
?		27.621	18.512	9.156	34.190	21.137	21.137	20.913	7.888	4.923
%RSD		0.795	1.100	0.676	6.903	12.187	12.187	2.389	3.234	19.030

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	14:51:29	550.011	4411.619	1804.802	440.632	3333.201	4657.009	5150.929	2990.938	7867.791
2	14:52:38	585.950	4742.975	1775.110	396.881	3184.730	4580.422	5258.780	3014.381	7941.269
3	14:53:47	548.448	4516.339	1592.276	354.692	3283.190	4644.505	5200.947	3089.397	7573.882
X		561.469	4556.977	1724.063	397.401	3267.040	4627.312	5203.552	3031.572	7794.314
?		21.215	169.375	115.092	42.972	75.542	41.087	53.973	51.431	194.403
%RSD		3.778	3.717	6.676	10.813	2.312	0.888	1.037	1.697	2.494

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	14:51:29	12.500	425820.300	396.881	2979.998	70.313	70.313	2898.732	778.146	9770.528
2	14:52:38	3.125	422722.490	381.255	3239.430	56.250	56.250	3267.561	718.768	10131.717
3	14:53:47	0.000	429741.380	350.004	3190.981	67.188	67.188	3000.315	807.835	9515.668
X		5.208	426094.720	376.047	3136.803	64.583	64.583	3055.536	768.250	9805.971
?		6.505	3517.480	23.868	137.941	7.384	7.384	190.515	45.351	309.550
%RSD		124.900	0.826	6.347	4.397	11.433	11.433	6.235	5.903	3.157

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	14:51:29	5229.082	5079.028	9187.328	1007027.400	1068869.900	5265.033	12452.300	4422.560	3709.857
2	14:52:38	5485.428	5252.528	9238.924	998394.110	1058652.700	5119.667	12643.092	4367.855	3786.439
3	14:53:47	5422.904	5039.951	8829.290	1016800.200	1079732.000	5238.460	12564.898	4228.751	3580.136
X		5379.138	5123.836	9085.181	1007407.200	1069084.900	5207.720	12553.430	4339.722	3692.144
?		133.660	113.150	223.104	9208.910	10541.265	77.405	95.912	99.920	104.286
%RSD		2.485	2.208	2.456	0.914	0.986	1.486	0.764	2.302	2.825

Run	Time	208Pb	209Bi	232Th	238U
1	14:51:29	9026.288	943333.060	16545.513	20484.989
2	14:52:38	9223.289	936990.040	17951.897	20500.637
3	14:53:47	8869.940	953187.230	18374.309	19787.132
X		9039.839	944503.440	17623.907	20257.586
?		177.064	8161.776	957.500	407.500
%RSD		1.959	0.864	5.433	2.012

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User Pre-dilution: 1.00

Reviewed: 7/26/2012 jaswal
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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	14:59:26	45262.215	6.771	59.375	1528.207	241737.510	17338.641	2404.890	2851.847	4277.203
2	15:00:35	45244.973	9.896	65.625	1536.020	241260.800	16931.903	2412.704	2759.642	4417.871
3	15:01:44	45668.191	13.021	59.375	1611.028	239725.910	16603.393	2211.109	2711.195	3988.057
X		45391.793	9.896	61.458	1558.418	240908.080	16957.979	2342.901	2774.228	4227.710
?		239.523	3.125	3.608	45.729	1051.164	368.317	114.202	71.452	219.140
%RSD		0.528	31.579	5.871	2.934	0.436	2.172	4.874	2.576	5.183

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	14:59:26	2522.098	1165.673	25586.956	1298901.000	167407.990	309.378	6348.285	162617.190	25.000
2	15:00:35	2543.977	1184.424	25572.869	1338762.900	167123.440	385.943	6595.272	167713.100	15.625
3	15:01:44	2468.963	1171.923	25823.318	1361794.700	166473.730	362.505	6449.893	166394.690	15.625
X		2511.679	1174.007	25661.048	1333152.900	167001.720	352.609	6464.484	165574.990	18.750
?		38.577	9.548	140.707	31819.927	478.876	39.230	124.138	2644.996	5.413
%RSD		1.536	0.813	0.548	2.387	0.287	11.126	1.920	1.597	28.868

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	14:59:26	21387.873	1092.229	7173.676	5085.280	2078.276	99120.809	2959.682	68.750	168.751
2	15:00:35	26166.129	1050.039	8624.478	5022.758	2012.642	99152.276	3020.632	56.250	192.189
3	15:01:44	28980.929	1126.607	9836.198	5044.641	2031.394	98740.061	2837.782	57.813	209.377
X		25511.644	1089.625	8544.784	5050.893	2040.771	99004.382	2939.365	60.938	190.105
?		3838.605	38.351	1333.049	31.727	33.807	229.449	93.103	6.811	20.393
%RSD		15.046	3.520	15.601	0.628	1.657	0.232	3.167	11.177	10.727

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	14:59:26	696.892	320.316	1664.159	348.963	109.375	109.375	403.652	22.396	29.167
2	15:00:35	601.575	212.502	1604.778	395.318	139.063	139.063	380.734	29.688	29.167
3	15:01:44	557.823	295.316	1614.154	427.611	125.001	125.001	378.651	26.563	31.771
X		618.764	276.044	1627.697	390.630	124.480	124.480	387.679	26.215	30.035
?		71.110	56.432	31.924	39.533	14.851	14.851	13.872	3.658	1.504
%RSD		11.492	20.443	1.961	10.120	11.930	11.930	3.578	13.955	5.006

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	14:59:26	157.813	1271.932	548.448	109.375	225.002	45.313	82.813	32.813	101.563
2	15:00:35	193.751	1265.681	507.822	137.501	201.564	51.563	93.750	26.563	76.563
3	15:01:44	215.627	1248.492	540.635	118.750	226.564	43.750	96.875	46.875	79.688
X		189.064	1262.035	532.302	121.876	217.710	46.875	91.146	35.417	85.938
?		29.190	12.138	21.557	14.321	14.005	4.134	7.384	10.404	13.622
%RSD		15.439	0.962	4.050	11.750	6.433	8.819	8.101	29.375	15.851

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	14:59:26	9.375	419763.700	279.690	1265.681	9.375	9.375	1237.554	79.688	426.569
2	15:00:35	3.125	421097.410	317.191	1237.554	14.063	14.063	1256.305	51.563	351.567
3	15:01:44	0.000	425107.340	279.690	1329.749	0.000	0.000	1181.299	53.125	357.817
X		4.167	421989.480	292.191	1277.661	7.813	7.813	1225.053	61.458	378.651
?		4.774	2781.270	21.651	47.251	7.160	7.160	39.035	15.806	41.616
%RSD		114.564	0.659	7.410	3.698	91.652	91.652	3.186	25.719	10.991

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	14:59:26	115.625	210.939	350.004	1000630.200	1058849.300	1270.369	2840.907	928.155	787.522
2	15:00:35	96.875	185.939	339.067	1004691.600	1062508.100	839.087	2004.828	898.466	690.642
3	15:01:44	101.563	234.377	379.693	1008114.300	1069223.100	648.452	1623.530	828.149	757.833
X		104.688	210.418	356.254	1004478.700	1063526.800	919.303	2156.422	884.923	745.332
?		9.758	24.223	21.022	3746.563	5261.361	318.624	622.686	51.360	49.635
%RSD		9.321	11.512	5.901	0.373	0.495	34.659	28.876	5.804	6.659

Run	Time	208Pb	209Bi	232Th	238U
1	14:59:26	1907.940	952911.930	196.876	151.563
2	15:00:35	1873.560	953332.390	250.002	135.938
3	15:01:44	1698.539	946708.220	200.001	106.250
X		1826.680	950984.180	215.627	131.251
?		112.297	3709.052	29.811	23.017
%RSD		6.148	0.390	13.825	17.537

Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	15:07:24	45962.884	10.938	56.250	1470.388	218970.100	12862.038	1856.371	2070.463	4578.859
2	15:08:33	45360.965	5.208	51.563	1456.324	218105.460	13223.305	1809.490	2236.113	4485.079
3	15:09:42	46881.487	8.854	75.000	1581.338	219369.910	13148.235	1790.737	2187.668	4825.815
X		46068.445	8.333	60.938	1502.683	218815.160	13077.859	1818.866	2164.747	4629.918
?		765.738	2.900	12.402	68.479	646.309	190.639	33.806	85.170	176.013
%RSD		1.662	34.799	20.352	4.557	0.295	1.458	1.859	3.934	3.802

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	15:07:24	2822.154	1203.176	25582.260	1340307.500	167981.850	303.128	5690.196	167812.700	17.188
2	15:08:33	2597.111	1089.104	25557.216	1377972.400	167651.440	334.379	5569.836	166930.580	21.875
3	15:09:42	2640.869	1254.743	25912.542	1394937.600	168653.760	303.128	5602.661	169079.060	20.313
X		2686.711	1182.341	25684.006	1371072.500	168095.690	313.545	5620.897	167940.780	19.792
?		119.320	84.762	198.314	27961.025	510.764	18.043	62.218	1079.953	2.387
%RSD		4.441	7.169	0.772	2.039	0.304	5.754	1.107	0.643	12.059

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	15:07:24	29574.331	1175.048	9953.466	4969.614	1282.870	98069.843	2839.345	35.938	142.188
2	15:08:33	32975.515	1189.112	11209.083	4980.556	1184.424	98957.180	2942.491	26.563	153.126
3	15:09:42	35016.300	1329.749	11920.596	5143.113	1300.059	99986.183	2986.250	39.063	148.438
X		32522.048	1231.303	11027.715	5031.094	1255.784	99004.402	2922.695	33.854	147.917
?		2749.178	85.546	996.028	97.165	62.395	959.042	75.427	6.505	5.487
%RSD		8.453	6.948	9.032	1.931	4.969	0.969	2.581	19.215	3.710

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	15:07:24	587.512	237.502	1842.306	419.798	134.376	134.376	378.130	22.396	28.125
2	15:08:33	554.698	271.878	1804.802	447.924	139.063	139.063	393.235	27.604	31.250
3	15:09:42	562.511	293.753	1870.435	449.486	179.689	179.689	388.547	29.688	19.792
X		568.240	267.711	1839.181	439.069	151.042	151.042	386.637	26.563	26.389
?		17.141	28.356	32.928	16.708	24.919	24.919	7.731	3.756	5.923
%RSD		3.016	10.592	1.790	3.805	16.498	16.498	2.000	14.139	22.446

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	15:07:24	167.188	960.970	556.261	109.375	234.377	29.688	71.875	32.813	59.375
2	15:08:33	193.751	993.785	495.321	125.001	196.876	31.250	71.875	23.438	46.875
3	15:09:42	140.626	943.781	471.883	104.688	210.939	28.125	85.938	31.250	48.438
X		167.188	966.179	507.822	113.021	214.064	29.688	76.563	29.167	51.563
?		26.563	25.405	43.556	10.636	18.945	1.563	8.119	5.023	6.811
%RSD		15.888	2.629	8.577	9.410	8.850	5.263	10.604	17.221	13.209

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	15:07:24	3.125	421755.470	314.066	1089.104	4.688	4.688	1057.852	67.188	329.691
2	15:08:33	4.688	422531.010	310.941	1059.414	3.125	3.125	1001.598	48.438	332.816
3	15:09:42	3.125	424487.760	328.129	1154.734	6.250	6.250	1085.979	45.313	340.629
X		3.646	422924.740	317.712	1101.084	4.688	4.688	1048.476	53.646	334.379
?		0.902	1408.055	9.156	48.776	1.563	1.563	42.965	11.831	5.634
%RSD		24.744	0.333	2.882	4.430	33.333	33.333	4.098	22.054	1.685

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	15:07:24	117.188	217.189	254.690	996784.180	1064042.800	554.698	1098.480	884.402	796.897
2	15:08:33	95.313	159.376	270.315	997077.040	1060057.600	378.130	979.721	859.401	700.017
3	15:09:42	106.250	196.876	307.816	1000606.800	1061143.300	356.254	917.217	825.024	682.829
X		106.250	191.147	277.607	998156.000	1061747.900	429.694	998.473	856.276	726.581
?		10.938	29.329	27.303	2127.483	2060.259	108.808	92.075	29.812	61.499
%RSD		10.294	15.344	9.835	0.213	0.194	25.322	9.222	3.482	8.464

Run	Time	208Pb	209Bi	232Th	238U
1	15:07:24	1806.364	941542.400	57.813	75.000
2	15:08:33	1795.425	946398.020	67.188	62.500
3	15:09:42	1815.740	952626.620	96.875	43.750
X		1805.843	946855.680	73.959	60.417
?		10.168	5556.268	20.393	15.729
%RSD		0.563	0.587	27.573	26.034

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	15:15:22	45809.267	6.250	54.688	1562.586	261294.530	18868.703	2518.972	3073.768	3838.016
2	15:16:31	46072.612	6.771	65.625	1512.580	263027.460	18607.423	2739.325	3140.970	3988.057
3	15:17:40	45746.567	9.896	70.313	1587.588	263498.520	19043.935	2734.637	3069.080	3769.247
X		45876.149	7.639	63.542	1554.251	262606.830	18840.020	2664.311	3094.606	3865.106
?		173.006	1.972	8.018	38.192	1160.642	219.665	125.889	40.221	111.892
%RSD		0.377	25.813	12.619	2.457	0.442	1.166	4.725	1.300	2.895

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	15:15:22	2537.725	1203.176	25973.591	1300912.900	166750.360	375.005	6578.077	166723.490	18.750
2	15:16:31	2662.748	1273.494	26054.989	1319518.100	165413.080	346.879	6692.192	166887.890	14.063
3	15:17:40	2628.367	1142.233	25834.276	1335896.700	164567.460	348.442	6667.180	168113.070	12.500
X		2609.613	1206.301	25954.285	1318775.900	165576.970	356.775	6645.816	167241.490	15.104
?		64.587	65.686	111.616	17503.671	1100.643	15.807	59.983	759.278	3.253
%RSD		2.475	5.445	0.430	1.327	0.665	4.430	0.903	0.454	21.534

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	15:15:22	31492.486	1053.164	10916.669	5071.212	964.095	96038.928	2904.983	31.250	142.188
2	15:16:31	34997.504	1015.661	11729.814	4736.723	957.845	96941.871	2836.219	31.250	131.251
3	15:17:40	36773.833	1060.977	12269.329	5130.609	948.469	96624.104	2875.289	25.000	168.751
X		34421.274	1043.267	11638.604	4979.515	956.803	96534.967	2872.164	29.167	147.397
?		2687.412	24.225	680.927	212.351	7.865	458.023	34.488	3.608	19.285
%RSD		7.807	2.322	5.851	4.264	0.822	0.474	1.201	12.372	13.084

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	15:15:22	443.757	187.501	3023.758	429.173	135.938	135.938	383.859	31.771	30.729
2	15:16:31	481.258	221.877	2794.023	458.862	139.063	139.063	389.589	30.729	25.000
3	15:17:40	468.758	254.690	2959.682	464.070	162.501	162.501	380.213	26.563	31.771
X		464.591	221.356	2925.821	450.702	145.834	145.834	384.554	29.688	29.167
?		19.095	33.597	118.551	18.825	14.518	14.518	4.726	2.756	3.646
%RSD		4.110	15.178	4.052	4.177	9.955	9.955	1.229	9.283	12.500

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	15:15:22	171.876	1150.046	410.943	59.375	132.813	18.750	67.188	34.375	60.938
2	15:16:31	176.564	1257.868	414.069	76.563	156.251	25.000	62.500	29.688	45.313
3	15:17:40	154.688	1212.552	373.442	82.813	182.814	25.000	50.000	21.875	40.625
X		167.709	1206.822	399.485	72.917	157.293	22.917	59.896	28.646	48.958
?		11.518	54.139	22.607	12.137	25.017	3.608	8.885	6.315	10.636
%RSD		6.868	4.486	5.659	16.645	15.904	15.746	14.834	22.044	21.724

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	15:15:22	7.813	419427.470	325.004	940.656	4.688	4.688	998.472	40.625	290.628
2	15:16:31	3.125	425083.200	309.378	876.589	7.813	7.813	893.778	39.063	271.878
3	15:17:40	3.125	422027.390	276.565	932.843	1.563	1.563	903.154	32.813	271.878
X		4.688	422179.350	303.649	916.696	4.688	4.688	931.801	37.500	278.128
?		2.706	2830.923	24.722	34.952	3.125	3.125	57.929	4.134	10.826
%RSD		57.735	0.671	8.142	3.813	66.667	66.667	6.217	11.024	3.892

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	15:15:22	93.750	228.127	440.632	993285.470	1053173.800	345.317	831.274	428.131	370.317
2	15:16:31	71.875	248.440	475.008	993397.560	1056675.000	270.315	682.829	425.006	342.192
3	15:17:40	100.000	301.566	464.070	996170.050	1055868.500	295.316	587.512	442.194	357.817
X		88.542	259.377	459.903	994284.360	1055239.100	303.649	700.538	431.777	356.775
?		14.768	37.922	17.563	1634.018	1833.469	38.189	122.842	9.156	14.092
%RSD		16.679	14.620	3.819	0.164	0.174	12.577	17.535	2.120	3.950

Run	Time	208Pb	209Bi	232Th	238U
1	15:15:22	956.282	940508.780	43.750	59.375
2	15:16:31	910.967	941410.690	76.563	46.875
3	15:17:40	935.968	945866.020	81.250	40.625
X		934.406	942595.170	67.188	48.958
?		22.698	2868.317	20.432	9.547
%RSD		2.429	0.304	30.411	19.500

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	15:23:20	45370.370	8.854	70.313	1512.580	291709.130	19535.223	2720.572	3283.190	6181.024
2	15:24:29	46375.151	10.417	64.063	1537.583	287997.460	18976.658	2650.246	3215.987	6132.566
3	15:25:38	45406.422	9.896	75.000	1617.279	292112.570	19364.678	2595.548	3275.375	6087.234
X		45717.314	9.722	69.792	1555.814	290606.390	19292.186	2655.455	3258.184	6133.608
?		569.989	0.796	5.487	54.679	2268.386	286.252	62.674	36.752	46.904
%RSD		1.247	8.183	7.862	3.514	0.781	1.484	2.360	1.128	0.765

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	15:23:20	2803.400	1154.734	26015.855	1337232.100	211846.700	495.321	8733.919	167248.320	18.750
2	15:24:29	2847.159	1281.308	25943.849	1335256.400	211085.560	473.445	8393.090	171234.190	25.000
3	15:25:38	2815.903	1270.369	25890.628	1366364.100	210923.820	528.135	8680.762	166910.030	15.625
X		2822.154	1235.470	25950.110	1346284.200	211285.360	498.967	8602.590	168464.180	19.792
?		22.539	70.133	62.848	17417.763	492.816	27.526	183.369	2404.855	4.774
%RSD		0.799	5.677	0.242	1.294	0.233	5.517	2.132	1.428	24.119

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	15:23:20	34466.528	2415.829	11675.081	5896.529	7312.809	114133.800	3294.130	142.188	1262.556
2	15:24:29	37029.178	2340.817	12743.181	5848.072	7064.246	113563.660	3220.676	139.063	1346.939
3	15:25:38	39023.539	2420.517	13453.207	5798.051	7248.714	114407.860	3176.916	143.751	1264.118
X		36839.748	2392.388	12623.823	5847.551	7208.590	114035.110	3230.574	141.667	1291.204
?		2284.404	44.723	895.051	49.241	129.048	430.665	59.231	2.387	48.274
%RSD		6.201	1.869	7.090	0.842	1.790	0.378	1.833	1.685	3.739

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	15:23:20	2875.289	1442.260	6279.505	419.798	140.626	140.626	384.901	23.958	25.521
2	15:24:29	2875.289	1473.514	6388.928	457.299	131.251	131.251	381.255	27.083	33.854
3	15:25:38	3061.266	1376.629	6501.479	495.321	170.314	170.314	382.818	29.167	18.229
X		2937.281	1430.801	6389.971	457.473	147.397	147.397	382.991	26.736	25.868
?		107.373	49.448	110.991	37.762	20.393	20.393	1.829	2.621	7.818
%RSD		3.656	3.456	1.737	8.254	13.835	13.835	0.478	9.805	30.224

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	15:23:20	204.689	1395.381	348.442	75.000	157.813	35.938	51.563	18.750	54.688
2	15:24:29	190.626	1409.445	342.192	59.375	128.126	35.938	57.813	21.875	54.688
3	15:25:38	228.127	1376.629	360.942	81.250	171.876	17.188	87.500	39.063	45.313
X		207.814	1393.818	350.525	71.875	152.605	29.688	65.625	26.563	51.563
?		18.945	16.464	9.547	11.267	22.335	10.825	19.200	10.938	5.413
%RSD		9.116	1.181	2.724	15.676	14.636	36.464	29.258	41.177	10.497

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	15:23:20	1.563	425794.540	270.315	793.772	4.688	4.688	759.395	37.500	529.697
2	15:24:29	1.563	428670.860	300.003	810.961	1.563	1.563	750.020	48.438	493.759
3	15:25:38	6.250	421982.330	282.815	782.834	3.125	3.125	854.713	50.000	503.134
X		3.125	425482.580	284.378	795.856	3.125	3.125	788.043	45.313	508.863
?		2.706	3355.159	14.906	14.179	1.563	1.563	57.928	6.811	18.642
%RSD		86.603	0.789	5.241	1.782	50.000	50.000	7.351	15.031	3.663

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	15:23:20	104.688	242.190	379.693	1004375.100	1066648.700	285.940	693.767	1400.069	1257.868
2	15:24:29	92.188	196.876	398.443	1022223.700	1083826.800	251.565	603.138	1303.184	1098.480
3	15:25:38	71.875	237.502	442.194	994336.170	1060896.300	237.502	590.637	1376.629	1165.673
X		89.584	225.523	406.777	1006978.300	1070457.300	258.336	629.181	1359.961	1174.007
?		16.561	24.919	32.073	14124.845	11930.285	24.919	56.281	50.547	80.020
%RSD		18.486	11.049	7.885	1.403	1.115	9.646	8.945	3.717	6.816

Run	Time	208Pb	209Bi	232Th	238U
1	15:23:20	3075.331	951667.310	48.438	62.500
2	15:24:29	2929.988	967942.420	45.313	46.875
3	15:25:38	2839.345	947937.410	57.813	53.125
X		2948.221	955849.050	50.521	54.167
?		119.045	10637.915	6.505	7.864
%RSD		4.038	1.113	12.876	14.519

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	15:31:17	45881.373	55807.754	10539.824	1301.622	33352556.000	27773217.000	3947089.500	4679059.100	7007958.400
2	15:32:26	48847.432	59016.966	11179.373	1203.176	34773295.000	29157637.000	4115921.600	4928331.600	7433371.000
3	15:33:35	46050.666	56848.825	10905.724	1198.488	33827634.000	28238486.000	4000552.200	4755291.100	7199847.800
X		46926.491	57224.515	10874.973	1234.428	33984495.000	28389780.000	4021187.800	4787560.600	7213725.700
?		1665.737	1637.260	320.881	58.238	723241.810	704501.420	86286.948	127730.930	213045.540
%RSD		3.550	2.861	2.951	4.718	2.128	2.482	2.146	2.668	2.953

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	15:31:17	88158.682	348970.250	58450.582	262467.300	17155682.000	84551.035	1395939.700	169969.220	45349.993
2	15:32:26	92712.372	370135.240	60987.718	262492.760	17925438.000	88290.743	1461687.600	177418.340	47013.169
3	15:33:35	88696.369	353901.870	59153.467	256723.700	17515629.000	85302.357	1408935.200	173876.760	45712.081
X		89855.808	357669.120	59530.589	260561.250	17532249.000	86048.045	1422187.500	173754.770	46025.081
?		2488.423	11073.994	1309.935	3323.438	385147.100	1978.230	34819.739	3726.061	874.651
%RSD		2.769	3.096	2.200	1.275	2.197	2.299	2.448	2.144	1.900

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	15:31:17	646519.930	602486.010	75379.600	2082924.200	1689805.000	35260812.000	926488.790	738297.340	163307.810
2	15:32:26	667901.920	623056.380	78713.131	2184463.100	1763659.800	36843404.000	956162.450	764120.700	168350.210
3	15:33:35	652503.270	613127.860	75239.803	2129768.800	1721923.900	36035381.000	928354.250	744699.980	164646.490
X		655641.710	612890.080	76444.178	2132385.300	1725129.500	36046532.000	937001.830	749039.340	165434.840
?		11031.080	10287.248	1966.214	50819.977	37031.583	791355.040	16619.778	13447.453	2612.007
%RSD		1.682	1.678	2.572	2.383	2.147	2.195	1.774	1.795	1.579

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	15:31:17	809067.240	388020.880	266958.750	113036.060	7128.341	7128.341	23190.161	9830.986	26.563
2	15:32:26	849392.670	407900.810	276109.930	116204.560	7136.157	7136.157	24100.520	10226.576	35.417
3	15:33:35	826239.140	396773.620	270639.550	114569.560	7300.302	7300.302	23746.804	10020.701	35.417
X		828233.020	397565.100	271236.080	114603.400	7188.267	7188.267	23679.162	10026.087	32.465
?		20236.520	9963.575	4604.661	1584.521	97.104	97.104	458.934	197.850	5.112
%RSD		2.443	2.506	1.698	1.383	1.351	1.351	1.938	1.973	15.746

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	15:31:17	122606.700	1081626.900	711089.810	160570.800	404257.220	238205.480	301281.310	149684.790	391193.150
2	15:32:26	127319.530	1130259.000	742737.610	167314.720	421740.990	247115.870	315952.570	156655.820	403691.560
3	15:33:35	123913.210	1103805.800	724394.850	164241.870	416009.370	243002.450	309339.880	152841.390	399052.990
X		124613.150	1105230.600	726074.090	164042.460	414002.530	242774.600	308857.920	153060.670	397979.240
?		2433.131	24347.301	15890.583	3376.379	8912.971	4459.560	7347.494	3490.680	6318.011
%RSD		1.953	2.203	2.189	2.058	2.153	1.837	2.379	2.281	1.588

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	15:31:17	4.688	411056.550	19602.502	72086.104	13143.544	13143.544	68678.754	173073.340	478078.860
2	15:32:26	7.813	425071.930	19959.246	74894.244	13573.633	13573.633	72907.444	178848.510	494474.590
3	15:33:35	1.563	419224.780	19483.590	73298.500	13304.630	13304.630	71110.922	176375.870	487902.770
X		4.688	418451.090	19681.779	73426.283	13340.602	13340.602	70899.040	176099.240	486818.740
?		3.125	7039.652	247.539	1408.425	217.289	217.289	2122.293	2897.506	8251.444
%RSD		66.667	1.682	1.258	1.918	1.629	1.629	2.993	1.645	1.695

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	15:31:17	647400.690	631339.670	1132300.600	1003603.300	1066203.200	1205723.200	2948812.400	1022332.700	869184.650
2	15:32:26	672496.030	653516.810	1160885.700	1023271.400	1085525.400	1239334.300	2914503.000	1044622.700	884594.990
3	15:33:35	666342.510	641666.080	1145394.600	1015994.200	1077095.200	1217015.300	2953626.200	1027159.600	867610.340
X		662079.740	642174.190	1146193.600	1014289.600	1076274.600	1220690.900	2938980.500	1031371.600	873796.660
?		13079.467	11097.301	14309.282	9944.249	9687.217	17104.357	21334.342	11726.778	9384.701
%RSD		1.976	1.728	1.248	0.980	0.900	1.401	0.726	1.137	1.074

Run	Time	208Pb	209Bi	232Th	238U
1	15:31:17	2182963.600	914404.040	4833989.600	4984477.000
2	15:32:26	2227055.200	932170.830	4903977.700	5066894.000
3	15:33:35	2196444.200	926921.820	4854960.300	5024065.100
X		2202154.300	924498.900	4864309.200	5025145.300
?		22593.636	9127.848	35918.466	41219.134
%RSD		1.026	0.987	0.738	0.820

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	15:39:12	47154.258	10.938	185.939	1045.351	76683.386	1023.474	167.188	162.501	2115.782
2	15:40:22	47836.207	9.375	153.126	1098.480	76174.424	1007.848	148.438	137.501	2109.531
3	15:41:31	47420.763	9.375	148.438	1106.293	77737.498	1100.042	154.688	185.939	2053.273
X		47470.409	9.896	162.501	1083.374	76865.103	1043.788	156.772	161.980	2092.862
?		343.675	0.902	20.433	33.160	797.224	49.340	9.547	24.223	34.427
%RSD		0.724	9.116	12.574	3.061	1.037	4.727	6.090	14.954	1.645

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	15:39:12	1909.503	1534.457	26425.982	236485.060	149051.660	6.250	659.390	171515.660	10.938
2	15:40:22	1940.757	1615.716	26746.890	236472.360	149901.110	21.875	615.638	173762.890	6.250
3	15:41:31	1906.377	1518.831	26634.180	234753.730	149474.800	17.188	673.453	170974.860	12.500
X		1918.879	1556.335	26602.351	235903.720	149475.860	15.104	649.494	172084.470	9.896
?		19.011	52.016	162.805	995.936	424.723	8.018	30.151	1478.489	3.253
%RSD		0.991	3.342	0.612	0.422	0.284	53.086	4.642	0.859	32.868

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	15:39:12	7939.706	543.760	2665.874	5551.078	507.822	88658.636	2586.172	53.125	54.688
2	15:40:22	7706.766	564.074	2478.340	5699.574	476.570	87674.465	2728.386	56.250	50.000
3	15:41:31	7311.245	578.137	2448.647	5894.966	559.386	88438.528	2611.176	54.688	62.500
X		7652.572	561.990	2530.954	5715.206	514.593	88257.210	2641.911	54.688	55.729
?		317.716	17.283	117.784	172.476	41.821	516.532	75.925	1.563	6.315
%RSD		4.152	3.075	4.654	3.018	8.127	0.585	2.874	2.857	11.331

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	15:39:12	142.188	62.500	139.063	105.730	40.625	40.625	401.047	26.042	34.896
2	15:40:22	164.063	78.125	139.063	95.834	26.563	26.563	374.484	20.313	26.563
3	15:41:31	165.626	68.750	153.126	97.396	40.625	40.625	400.006	21.875	35.417
X		157.293	69.792	143.751	99.653	35.938	35.938	391.846	22.743	32.292
?		13.104	7.864	8.119	5.320	8.119	8.119	15.045	2.962	4.968
%RSD		8.331	11.268	5.648	5.339	22.592	22.592	3.839	13.022	15.386

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	15:39:12	54.688	137.501	843.775	151.563	545.323	360.942	460.945	250.002	593.762
2	15:40:22	51.563	126.563	756.270	160.938	423.444	260.940	351.567	143.751	417.194
3	15:41:31	54.688	150.001	710.955	131.251	400.006	200.001	242.190	135.938	317.191
X		53.646	138.022	770.333	147.917	456.257	273.961	351.567	176.564	442.716
?		1.804	11.728	67.517	15.176	78.018	81.257	109.378	63.719	140.041
%RSD		3.363	8.497	8.765	10.260	17.100	29.660	31.111	36.089	31.632

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	15:39:12	4.688	430377.280	307.816	575.012	3.125	3.125	604.700	32.813	992.222
2	15:40:22	3.125	434164.330	309.378	603.138	6.250	6.250	510.947	35.938	793.772
3	15:41:31	4.688	427497.410	281.253	554.698	3.125	3.125	564.074	21.875	618.763
X		4.167	430679.670	299.482	577.616	4.167	4.167	559.907	30.208	801.586
?		0.902	3343.729	15.807	24.325	1.804	1.804	47.016	7.384	186.852
%RSD		21.651	0.776	5.278	4.211	43.301	43.301	8.397	24.444	23.310

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	15:39:12	2206.420	15.625	29.688	1012097.300	1071856.700	423.444	1029.725	117.188	90.625
2	15:40:22	1592.276	15.625	18.750	1017004.600	1081361.000	387.505	887.528	117.188	92.188
3	15:41:31	1164.110	17.188	34.375	1011052.000	1072236.900	370.317	787.522	123.438	96.875
X		1654.269	16.146	27.604	1013384.600	1075151.500	393.755	901.591	119.271	93.229
?		523.913	0.902	8.018	3178.268	5380.929	27.109	121.712	3.608	3.253
%RSD		31.670	5.587	29.047	0.314	0.500	6.885	13.500	3.025	3.489

Run	Time	208Pb	209Bi	232Th	238U
1	15:39:12	245.315	949768.880	5044.641	493.759
2	15:40:22	273.440	958258.650	3492.614	275.003
3	15:41:31	292.190	948182.590	2622.116	248.440
X		270.315	952070.040	3719.790	339.067
?		23.594	5417.863	1227.136	134.624
%RSD		8.728	0.569	32.989	39.704

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	15:47:08	45802.997	9.896	115.625	1573.524	251306.780	19155.021	2679.939	3123.779	3717.671
2	15:48:17	46384.556	17.708	131.251	1443.823	250863.150	18668.440	2694.004	3214.424	3736.426
3	15:49:26	46458.233	10.417	112.500	1479.764	251841.070	18573.003	2665.874	3014.381	3542.627
X		46215.262	12.674	119.792	1499.037	251337.000	18798.821	2679.939	3117.528	3665.575
?		358.927	4.368	10.046	66.964	489.659	312.147	14.065	100.168	106.888
%RSD		0.777	34.465	8.386	4.467	0.195	1.660	0.525	3.213	2.916

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	15:47:08	2584.609	1281.308	26048.727	1315516.900	162645.640	296.878	5812.120	167689.390	26.563
2	15:48:17	2509.595	1170.360	26029.943	1342057.800	162120.970	365.630	5844.946	170541.600	9.375
3	15:49:26	2631.492	1178.174	25904.716	1357212.900	161514.160	346.879	5971.560	168035.610	28.125
X		2575.232	1209.947	25994.462	1338262.500	162093.590	336.462	5876.209	168755.530	21.354
?		61.487	61.923	78.288	21105.529	566.236	35.540	84.192	1556.440	10.404
%RSD		2.388	5.118	0.301	1.577	0.349	10.563	1.433	0.922	48.719

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	15:47:08	26671.750	1101.605	8893.392	4969.614	1193.800	98360.896	2917.485	106.250	203.126
2	15:48:17	31691.363	1114.106	10506.987	5055.582	1101.605	97931.398	2903.420	92.188	167.188
3	15:49:26	33880.754	1179.736	11786.110	4903.967	1114.106	99081.475	2872.164	131.251	167.188
X		30747.956	1131.816	10395.497	4976.388	1136.504	98457.923	2897.690	109.896	179.168
?		3695.937	41.968	1449.578	76.034	50.012	581.145	23.198	19.785	20.749
%RSD		12.020	3.708	13.944	1.528	4.401	0.590	0.801	18.003	11.581

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	15:47:08	545.323	260.940	1359.440	412.506	123.438	123.438	409.381	23.438	24.479
2	15:48:17	496.884	267.190	1446.948	418.235	82.813	82.813	401.047	27.604	31.250
3	15:49:26	478.133	234.377	1376.629	432.819	131.251	131.251	396.360	24.479	27.604
X		506.780	254.169	1394.339	421.187	112.500	112.500	402.263	25.174	27.778
?		34.671	17.423	46.365	10.473	26.005	26.005	6.595	2.168	3.389
%RSD		6.841	6.855	3.325	2.487	23.116	23.116	1.640	8.614	12.200

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	15:47:08	207.814	1270.369	1256.305	267.190	467.195	98.438	157.813	67.188	142.188
2	15:48:17	165.626	1296.934	1200.050	239.065	450.007	68.750	178.126	50.000	142.188
3	15:49:26	157.813	1243.804	1064.102	190.626	504.696	68.750	157.813	65.625	134.376
X		177.084	1270.369	1173.486	232.294	473.966	78.646	164.584	60.938	139.584
?		26.898	26.565	98.817	38.728	27.966	17.140	11.728	9.504	4.511
%RSD		15.189	2.091	8.421	16.672	5.900	21.794	7.126	15.597	3.231

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	15:47:08	6.250	421375.760	323.441	2218.922	3.125	3.125	2179.854	57.813	626.576
2	15:48:17	4.688	426963.030	354.692	2170.477	6.250	6.250	1989.201	60.938	534.385
3	15:49:26	3.125	424981.810	290.628	2226.736	6.250	6.250	2073.588	64.063	475.008
X		4.688	424440.200	322.920	2205.379	5.208	5.208	2080.881	60.938	545.323
?		1.563	2832.740	32.035	30.477	1.804	1.804	95.535	3.125	76.374
%RSD		33.333	0.667	9.920	1.382	34.641	34.641	4.591	5.128	14.005

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	15:47:08	481.258	234.377	415.631	991403.430	1055359.400	1478.202	3819.261	457.820	464.070
2	15:48:17	367.192	209.377	440.632	999478.640	1061166.900	990.659	2523.660	432.819	410.943
3	15:49:26	403.131	253.127	448.445	999646.020	1062935.100	765.646	1873.560	428.131	362.505
X		417.194	232.294	434.902	996842.700	1059820.500	1078.169	2738.827	439.590	412.506
?		58.319	21.950	17.141	4711.288	3963.236	364.249	990.535	15.960	50.801
%RSD		13.979	9.449	3.941	0.473	0.374	33.784	36.166	3.631	12.315

Run	Time	208Pb	209Bi	232Th	238U
1	15:47:08	967.220	931071.240	278.128	535.948
2	15:48:17	890.653	942059.230	346.879	471.883
3	15:49:26	918.780	938696.800	325.004	407.818
X		925.551	937275.760	316.670	471.883
?		38.730	5630.146	35.125	64.065
%RSD		4.185	0.601	11.092	13.576

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Inst Id :P6

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	15:55:04	45586.682	8.854	107.813	1375.066	254158.130	17648.395	2367.384	2989.375	5130.609
2	15:56:13	45947.209	8.854	107.813	1493.828	253607.850	17623.364	2495.530	2939.365	5288.479
3	15:57:22	46743.536	8.333	90.625	1515.705	255139.450	18349.277	2439.271	3028.446	5307.236
X		46092.476	8.681	102.084	1461.533	254301.810	17873.678	2434.062	2985.729	5242.108
?		591.950	0.301	9.923	75.677	775.843	412.070	64.232	44.652	97.015
%RSD		1.284	3.464	9.721	5.178	0.305	2.305	2.639	1.496	1.851

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	15:55:04	2522.098	1139.108	25802.969	1357874.700	186544.430	515.634	8824.600	167011.200	15.625
2	15:56:13	2640.869	1279.745	26170.825	1386809.900	186090.130	493.759	8966.876	169079.060	17.188
3	15:57:22	2800.274	1295.371	26416.589	1392263.400	187339.110	562.511	8990.328	166042.190	23.438
X		2654.414	1238.075	26130.128	1378982.700	186657.890	523.968	8927.268	167377.480	18.750
?		139.582	86.063	308.828	18482.285	632.171	35.126	89.683	1551.216	4.134
%RSD		5.258	6.951	1.182	1.340	0.339	6.704	1.005	0.927	22.048

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	15:55:04	33686.546	1937.631	11582.819	5560.457	4569.481	110527.490	3284.753	125.001	653.140
2	15:56:13	37254.764	2128.284	12991.842	5763.663	4666.387	110603.070	3101.899	103.125	712.518
3	15:57:22	39061.142	2051.710	13587.709	5832.440	4689.832	111741.560	3151.910	90.625	784.397
X		36667.484	2039.208	12720.790	5718.853	4641.900	110957.370	3179.521	106.250	716.685
?		2735.004	95.939	1029.562	141.420	63.803	680.180	94.502	17.399	65.727
%RSD		7.459	4.705	8.094	2.473	1.375	0.613	2.972	16.376	9.171

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	15:55:04	723.456	326.566	4819.563	418.756	118.750	118.750	396.360	19.792	28.125
2	15:56:13	703.142	285.940	4771.109	458.341	159.376	159.376	407.297	26.563	30.729
3	15:57:22	709.393	307.816	5022.758	495.842	175.001	175.001	392.193	28.125	28.646
X		711.997	306.774	4871.143	457.646	151.042	151.042	398.617	24.826	29.167
?		10.404	20.333	133.518	38.548	29.036	29.036	7.801	4.430	1.378
%RSD		1.461	6.628	2.741	8.423	19.224	19.224	1.957	17.842	4.725

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	15:55:04	204.689	1423.508	1112.543	196.876	445.319	48.438	137.501	43.750	98.438
2	15:56:13	178.126	1432.884	973.471	207.814	410.943	56.250	115.625	45.313	81.250
3	15:57:22	184.376	1440.698	904.716	189.064	345.317	56.250	112.500	43.750	70.313
X		189.064	1432.364	996.910	197.918	400.527	53.646	121.876	44.271	83.334
?		13.888	8.606	105.878	9.418	50.809	4.511	13.622	0.902	14.178
%RSD		7.346	0.601	10.621	4.759	12.685	8.408	11.177	2.038	17.013

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	15:55:04	0.000	423654.180	281.253	1715.728	3.125	3.125	1636.031	39.063	556.261
2	15:56:13	1.563	423435.330	310.941	1718.853	12.500	12.500	1617.279	45.313	562.511
3	15:57:22	0.000	421456.200	325.004	1648.533	9.375	9.375	1643.845	54.688	539.073
X		0.521	422848.570	305.732	1694.371	8.333	8.333	1632.385	46.354	552.615
?		0.902	1210.780	22.336	39.728	4.774	4.774	13.653	7.864	12.137
%RSD		173.205	0.286	7.306	2.345	57.282	57.282	0.836	16.966	2.196

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	15:55:04	295.316	209.377	362.505	1000337.300	1057200.900	510.947	1240.679	1106.293	842.212
2	15:56:13	220.314	234.377	346.879	1004323.200	1055666.900	401.568	1043.788	1070.353	945.344
3	15:57:22	251.565	214.064	353.129	997890.360	1058587.200	360.942	904.716	1078.166	890.653
X		255.731	219.273	354.171	1000850.300	1057151.600	424.486	1063.061	1084.937	892.736
?		37.674	13.289	7.865	3246.964	1460.771	77.584	168.809	18.903	51.597
%RSD		14.732	6.061	2.221	0.324	0.138	18.277	15.879	1.742	5.780

Run	Time	208Pb	209Bi	232Th	238U
1	15:55:04	2406.453	944880.470	143.751	157.813
2	15:56:13	2267.367	945879.370	171.876	226.564
3	15:57:22	2479.903	948836.440	168.751	181.251
X		2384.574	946532.090	161.459	188.543
?		107.944	2057.174	15.415	34.951
%RSD		4.527	0.217	9.548	18.537

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:03:00	45776.349	9.896	76.563	1539.145	223981.270	15549.082	2018.893	2495.530	4547.599
2	16:04:09	45649.381	6.771	90.625	1625.092	224092.370	15796.228	2181.417	2772.144	4564.792
3	16:05:18	46807.809	8.854	60.938	1550.084	225260.530	16015.222	2170.477	2626.804	5046.204
X		46077.846	8.507	76.042	1571.441	224444.720	15786.844	2123.595	2631.493	4719.531
?		635.345	1.591	14.851	46.785	708.687	233.211	90.840	138.366	283.037
%RSD		1.379	18.704	19.530	2.977	0.316	1.477	4.278	5.258	5.997

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:03:00	2593.986	1173.486	26272.574	1304411.400	161364.040	379.693	6323.274	166179.710	21.875
2	16:04:09	2497.093	1164.110	26098.818	1332657.900	161175.990	345.317	6504.606	167820.600	18.750
3	16:05:18	2547.102	1240.679	26152.041	1346765.200	162062.500	328.129	6443.640	166974.840	29.688
X		2546.060	1192.758	26174.478	1327944.800	161534.180	351.046	6423.840	166991.720	23.438
?		48.455	41.764	89.024	21566.645	467.103	26.255	92.273	820.575	5.634
%RSD		1.903	3.502	0.340	1.624	0.289	7.479	1.436	0.491	24.037

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:03:00	34485.323	1206.301	11904.958	5118.104	1557.897	97638.780	2889.355	54.688	273.440
2	16:04:09	37654.247	1373.504	12797.917	5082.154	1437.572	97495.620	2920.611	54.688	257.815
3	16:05:18	39496.712	1273.494	13703.444	5221.267	1384.442	98129.626	3003.441	57.813	257.815
X		37212.094	1284.433	12802.107	5140.508	1459.971	97754.675	2937.802	55.729	263.023
?		2534.784	84.136	899.250	72.212	88.870	332.513	58.954	1.804	9.021
%RSD		6.812	6.550	7.024	1.405	6.087	0.340	2.007	3.237	3.430

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:03:00	450.007	201.564	3090.959	414.589	145.313	145.313	402.610	24.479	28.125
2	16:04:09	450.007	217.189	3098.774	450.528	165.626	165.626	392.193	23.438	20.833
3	16:05:18	462.507	217.189	2973.747	478.654	146.876	146.876	373.442	28.125	23.958
X		454.174	211.981	3054.493	447.924	152.605	152.605	389.415	25.347	24.306
?		7.217	9.021	70.037	32.112	11.304	11.304	14.781	2.461	3.658
%RSD		1.589	4.256	2.293	7.169	7.407	7.407	3.796	9.711	15.051

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	16:03:00	162.501	1145.358	932.843	229.689	393.755	28.125	121.876	23.438	53.125
2	16:04:09	206.251	1214.114	900.028	212.502	332.816	34.375	96.875	34.375	79.688
3	16:05:18	204.689	1234.428	860.963	187.501	403.131	32.813	100.000	35.938	67.188
X		191.147	1197.967	897.945	209.897	376.568	31.771	106.250	31.250	66.667
?		24.821	46.679	35.985	21.214	38.178	3.253	13.622	6.811	13.289
%RSD		12.985	3.897	4.007	10.107	10.139	10.238	12.820	21.795	19.933

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	16:03:00	3.125	419763.700	279.690	1090.667	14.063	14.063	1026.599	35.938	307.816
2	16:04:09	3.125	422757.890	326.566	1040.663	0.000	0.000	1093.792	18.750	309.378
3	16:05:18	9.375	421686.280	292.190	992.222	0.000	0.000	1023.474	37.500	356.254
X		5.208	421402.620	299.482	1041.184	4.688	4.688	1047.955	30.729	324.483
?		3.608	1517.116	24.274	49.224	8.119	8.119	39.727	10.404	27.526
%RSD		69.282	0.360	8.105	4.728	173.205	173.205	3.791	33.856	8.483

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	16:03:00	189.064	168.751	310.941	996519.790	1053545.100	310.941	784.397	495.321	479.696
2	16:04:09	190.626	189.064	340.629	999235.960	1061141.600	253.127	667.203	543.760	443.757
3	16:05:18	154.688	223.439	348.442	997033.530	1058380.500	239.065	659.390	557.823	442.194
X		178.126	193.751	333.337	997596.420	1057689.100	267.711	703.663	532.302	455.216
?		20.313	27.644	19.785	1442.925	3845.197	38.093	70.026	32.789	21.215
%RSD		11.404	14.268	5.936	0.145	0.364	14.229	9.952	6.160	4.660

Run	Time	208Pb	209Bi	232Th	238U
1	16:03:00	1087.541	944526.950	107.813	84.375
2	16:04:09	1100.042	947735.600	137.501	110.938
3	16:05:18	1064.102	947068.460	143.751	100.000
X		1083.895	946443.670	129.688	98.438
?		18.245	1693.112	19.200	13.350
%RSD		1.683	0.179	14.805	13.562

Reviewed by: jaswal
Date: 7/26/2012 11:43:57 AM
Inst Id :P6

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:10:56	44677.566	5.729	1947.008	1595.402	105916730.000	56952.362	8153.889	9496.906	12156.733
2	16:12:05	47227.938	7.292	2151.725	1621.967	110163020.000	59473.541	8319.609	10192.697	12977.767
3	16:13:14	46226.232	5.208	1917.316	1571.962	107015480.000	58364.293	8069.466	9804.926	12141.095
X		46043.912	6.076	2005.350	1596.443	107698410.000	58263.399	8180.988	9831.510	12425.198
?		1284.924	1.084	127.631	25.019	2203982.900	1263.615	127.255	348.657	478.603
%RSD		2.791	17.843	6.365	1.567	2.046	2.169	1.555	3.546	3.852

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:10:56	637233.510	1143.796	305760.930	1330145.400	314280.350	5082.154	84645.341	166462.660	87.500
2	16:12:05	678062.620	1240.679	317660.130	1393889.200	321933.910	5238.460	88990.377	172298.430	104.688
3	16:13:14	646756.860	1203.176	303180.230	1370276.000	317466.840	5082.154	85652.882	166864.180	65.625
X		654017.660	1195.883	308867.100	1364770.200	317893.700	5134.256	86429.533	168541.760	85.938
?		21361.025	48.851	7723.539	32226.620	3844.593	90.244	2274.253	3259.563	19.578
%RSD		3.266	4.085	2.501	2.361	1.209	1.758	2.631	1.934	22.782

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:10:56	42473.985	1320.374	13739.416	10816.593	3298.818	200975.690	5683.943	56.250	278.128
2	16:12:05	48538.570	1395.381	16495.456	11281.015	3326.950	209815.490	6110.682	48.438	264.065
3	16:13:14	52491.573	1459.450	17643.701	11534.342	3240.993	204441.540	5913.724	29.688	284.378
X		47834.709	1391.735	15959.524	11210.650	3288.920	205077.580	5902.783	44.792	275.523
?		5045.749	69.610	2006.559	364.011	43.825	4454.091	213.580	13.651	10.404
%RSD		10.548	5.002	12.573	3.247	1.333	2.172	3.618	30.478	3.776

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:10:56	62982.281	30086.336	4682.017	592.200	175.001	175.001	387.505	38.542	36.979
2	16:12:05	65526.499	31548.861	4902.404	629.701	196.876	196.876	386.984	36.979	31.771
3	16:13:14	64063.636	31002.354	4877.395	661.474	237.502	237.502	362.505	27.083	36.979
X		64190.806	30879.183	4820.605	627.792	203.126	203.126	378.998	34.201	35.243
?		1276.867	739.001	120.670	34.676	31.716	31.716	14.286	6.214	3.007
%RSD		1.989	2.393	2.503	5.524	15.614	15.614	3.769	18.168	8.532

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	16:10:56	11726.686	102017.660	9858.088	2168.915	4747.664	1796.988	2587.734	1085.979	3020.632
2	16:12:05	11990.968	106298.700	7847.467	1812.615	4181.862	1923.567	2603.362	1231.303	3376.962
3	16:13:14	11768.908	104110.800	6440.514	1496.953	3401.968	2006.391	2503.344	1207.864	3164.413
X		11828.854	104142.390	8048.690	1826.161	4110.498	1908.982	2564.814	1175.049	3187.335
?		141.973	2140.697	1717.650	336.185	675.681	105.461	53.804	78.022	179.267
%RSD		1.200	2.056	21.341	18.409	16.438	5.524	2.098	6.640	5.624

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	16:10:56	4.688	401842.060	326.566	707.830	25.000	25.000	651.577	28.125	387.505
2	16:12:05	4.688	416680.060	365.630	645.327	14.063	14.063	689.079	34.375	367.192
3	16:13:14	7.813	405448.080	276.565	596.887	28.125	28.125	598.450	42.188	360.942
X		5.729	407990.070	322.920	650.015	22.396	22.396	646.369	34.896	371.880
?		1.804	7738.720	44.644	55.620	7.384	7.384	45.538	7.046	13.888
%RSD		31.492	1.897	13.825	8.557	32.971	32.971	7.045	20.191	3.735

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	16:10:56	148.438	2436.145	4366.292	986884.170	1043875.600	250.002	626.576	3281.627	2684.627
2	16:12:05	176.564	2620.553	4588.237	1014216.500	1075670.200	232.814	534.385	3259.747	2689.316
3	16:13:14	140.626	2487.717	4308.462	997306.300	1056898.400	214.064	528.135	3167.539	2687.753
X		155.209	2514.805	4420.997	999468.990	1058814.700	232.294	563.032	3236.304	2687.232
?		18.902	95.141	147.692	13793.902	15983.664	17.975	55.120	60.549	2.387
%RSD		12.178	3.783	3.341	1.380	1.510	7.738	9.790	1.871	0.089

Run	Time	208Pb	209Bi	232Th	238U
1	16:10:56	6784.423	903330.200	304.691	170.314
2	16:12:05	6890.724	926545.420	310.941	176.564
3	16:13:14	6868.838	910626.990	293.753	214.064
X		6847.995	913500.870	303.128	186.980
?		56.132	11871.435	8.700	23.662
%RSD		0.820	1.300	2.870	12.655

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D3485 -09 MH3BQ9 07/25/2012 04:17:44 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:18:52	45785.754	8.333	2629.930	1595.402	279581610.000	2903333.900	418111.610	502584.750	13173.258
2	16:20:01	46903.434	7.292	2814.340	1529.769	282027590.000	2925565.000	422671.000	504657.500	13717.520
3	16:21:11	48098.021	7.292	2729.948	1639.157	287254740.000	2982465.100	429005.690	513364.320	13806.669
X		46929.070	7.639	2724.739	1588.109	282954650.000	2937121.300	423262.770	506868.860	13565.816
?		1156.347	0.601	92.315	55.057	3919669.300	40811.731	5471.096	5719.908	342.874
%RSD		2.464	7.873	3.388	3.467	1.385	1.390	1.293	1.128	2.527

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:18:52	661627.650	1223.490	1080477.500	1392923.300	591721.690	84940.837	1415966.400	168215.830	95.313
2	16:20:01	674453.920	1210.989	1092934.600	1429956.000	593763.200	85052.436	1418911.600	169627.690	78.125
3	16:21:11	689136.600	1296.934	1104473.300	1452134.700	601909.320	86289.509	1428160.900	176543.540	95.313
X		675072.720	1243.804	1092628.400	1425004.700	595798.070	85427.594	1421013.000	171462.360	89.584
?		13764.911	46.434	12000.852	29914.586	5390.037	748.523	6363.059	4456.700	9.923
%RSD		2.039	3.733	1.098	2.099	0.905	0.876	0.448	2.599	11.077

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:18:52	36838.060	1212.552	12679.062	14892.133	32085.992	270372.050	14296.212	117.188	368.755
2	16:20:01	36963.383	1170.360	12399.129	15378.586	32200.312	276900.010	14227.394	140.626	306.253
3	16:21:11	36698.640	1268.806	12480.449	15309.762	33233.925	278478.690	14885.877	131.251	307.816
X		36833.361	1217.239	12519.546	15193.493	32506.743	275250.250	14469.827	129.688	327.608
?		132.434	49.390	144.004	263.245	632.347	4297.751	361.948	11.797	35.643
%RSD		0.360	4.058	1.150	1.733	1.945	1.561	2.501	9.096	10.880

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:18:52	1461.012	628.139	3036.260	716.164	248.440	248.440	397.401	42.708	22.917
2	16:20:01	1450.074	643.765	3109.713	697.934	225.002	225.002	373.442	32.292	31.771
3	16:21:11	1512.580	706.267	2958.119	711.476	235.939	235.939	364.067	39.063	29.167
X		1474.555	659.390	3034.697	708.525	236.460	236.460	378.304	38.021	27.951
?		33.382	41.342	75.809	9.467	11.728	11.728	17.191	5.286	4.550
%RSD		2.264	6.270	2.498	1.336	4.960	4.960	4.544	13.903	16.280

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	16:18:52	180649.080	1607058.400	5327.556	1159.422	2529.912	910.967	1382.879	617.201	1559.460
2	16:20:01	183065.490	1617308.500	4597.615	989.097	2251.740	890.653	1371.941	596.887	1586.026
3	16:21:11	184057.800	1637052.300	4228.751	867.214	2081.402	921.905	1242.242	664.078	1662.597
X		182590.790	1620473.100	4717.974	1005.244	2287.684	907.841	1332.354	626.055	1602.694
?		1753.240	15245.312	559.203	146.772	226.405	15.859	78.231	34.459	53.551
%RSD		0.960	0.941	11.853	14.601	9.897	1.747	5.872	5.504	3.341

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	16:18:52	3.125	403183.770	320.316	532.822	17.188	17.188	432.819	26.563	342.192
2	16:20:01	1.563	403521.220	306.253	484.383	7.813	7.813	456.257	43.750	328.129
3	16:21:11	3.125	416388.940	284.378	431.257	6.250	6.250	450.007	28.125	301.566
X		2.604	407697.980	303.649	482.821	10.417	10.417	446.361	32.813	323.962
?		0.902	7528.484	18.110	50.801	5.916	5.916	12.137	9.504	20.631
%RSD		34.641	1.847	5.964	10.522	56.789	56.789	2.719	28.966	6.368

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	16:18:52	187.501	2084.527	3616.083	1004659.700	1073266.300	225.002	459.382	453.132	407.818
2	16:20:01	151.563	1993.889	3508.243	1017993.300	1081276.900	173.439	506.259	495.321	412.506
3	16:21:11	159.376	2112.656	3705.168	1035281.200	1095897.600	167.188	428.131	492.196	353.129
X		166.147	2063.691	3609.831	1019311.400	1083480.200	188.543	464.591	480.216	391.151
?		18.902	62.065	98.611	15353.212	11475.424	31.729	39.323	23.508	33.011
%RSD		11.376	3.007	2.732	1.506	1.059	16.828	8.464	4.895	8.439

Run	Time	208Pb	209Bi	232Th	238U
1	16:18:52	1100.042	898016.650	314.066	556.261
2	16:20:01	1014.099	904176.620	303.128	529.697
3	16:21:11	1129.732	925564.480	303.128	512.509
X		1081.291	909252.590	306.774	532.822
?		60.054	14458.383	6.315	22.043
%RSD		5.554	1.590	2.058	4.137

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Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

D3485-10 MH3BR0 07/25/2012 04:25:41 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:26:49	47050.792	7.813	2828.405	1628.218	298218550.000	3091506.100	445971.370	534832.320	14657.516
2	16:27:58	48529.163	6.250	2809.651	1696.976	298649520.000	3104603.100	444603.130	535390.140	14745.106
3	16:29:07	48304.968	7.292	2937.802	1670.410	306068970.000	3179981.800	454478.580	546255.720	15411.433
X		47961.641	7.118	2858.619	1665.201	300979020.000	3125363.700	448351.030	538826.060	14938.018
?		796.743	0.796	69.212	34.674	4413295.300	47751.843	5350.535	6440.316	412.322
%RSD		1.661	11.177	2.421	2.082	1.466	1.528	1.193	1.195	2.760

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:26:49	715791.090	1212.552	1161691.100	1345596.700	637001.630	90537.553	1496040.300	171534.640	135.938
2	16:27:58	719446.130	1328.187	1162538.900	1369706.300	639157.290	90293.830	1507943.300	176521.400	87.500
3	16:29:07	726735.930	1184.424	1176645.300	1395140.400	645536.280	92157.235	1538531.700	176008.880	89.063
X		720657.720	1241.721	1166958.400	1370147.800	640565.070	90996.206	1514171.800	174688.300	104.167
?		5572.107	76.191	8399.789	24774.799	4438.069	1012.838	21919.755	2743.153	27.526
%RSD		0.773	6.136	0.720	1.808	0.693	1.113	1.448	1.570	26.425

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:26:49	31133.889	1376.629	10539.824	16030.865	35799.487	288788.180	15402.048	154.688	768.771
2	16:27:58	32189.350	1395.381	10843.176	15630.421	35874.676	293898.640	15702.375	129.688	771.896
3	16:29:07	32464.972	1487.577	11187.191	16102.820	36697.073	297168.380	15886.954	178.126	762.520
X		31929.404	1419.862	10856.730	15921.369	36123.745	293285.070	15663.792	154.168	767.729
?		702.584	59.388	323.896	254.524	497.938	4223.656	244.744	24.223	4.774
%RSD		2.200	4.183	2.983	1.599	1.378	1.440	1.562	15.712	0.622

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:26:49	1534.457	668.766	3406.656	698.455	201.564	201.564	393.235	38.542	28.646
2	16:27:58	1553.209	737.519	3253.495	705.747	164.063	164.063	390.630	38.021	26.563
3	16:29:07	1621.967	701.580	3405.093	655.744	171.876	171.876	406.256	32.292	30.729
X		1569.878	702.621	3355.082	686.648	179.168	179.168	396.707	36.285	28.646
?		46.075	34.389	87.980	27.011	19.785	19.785	8.371	3.468	2.083
%RSD		2.935	4.894	2.622	3.934	11.043	11.043	2.110	9.557	7.273

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	16:26:49	194502.640	1724734.500	3775.499	910.967	1992.326	987.534	1343.813	667.203	1515.705
2	16:27:58	192814.360	1711521.900	3331.638	764.083	1800.113	998.472	1195.363	681.266	1565.711
3	16:29:07	195939.260	1748317.300	3115.965	692.204	1762.609	973.471	1296.934	696.892	1659.471
X		194418.750	1728191.200	3407.701	789.085	1851.683	986.492	1278.703	681.787	1580.296
?		1564.139	18639.694	336.282	111.504	123.236	12.533	75.886	14.851	72.984
%RSD		0.805	1.079	9.868	14.131	6.655	1.270	5.935	2.178	4.618

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	16:26:49	6.250	408375.020	295.316	359.380	9.375	9.375	306.253	40.625	323.441
2	16:27:58	4.688	417013.000	318.754	335.941	10.938	10.938	326.566	37.500	395.318
3	16:29:07	6.250	415230.950	306.253	323.441	7.813	7.813	318.754	37.500	375.005
X		5.729	413539.660	306.774	339.587	9.375	9.375	317.191	38.542	364.588
?		0.902	4560.599	11.728	18.244	1.563	1.563	10.246	1.804	37.053
%RSD		15.746	1.103	3.823	5.373	16.667	16.667	3.230	4.681	10.163

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	16:26:49	146.876	2120.470	3808.320	1013028.700	1076267.400	193.751	464.070	787.522	664.078
2	16:27:58	176.564	2136.097	3767.684	1035133.500	1091615.800	160.938	398.443	828.149	696.892
3	16:29:07	148.438	2136.097	3909.910	1030149.700	1100362.600	159.376	345.317	809.398	734.394
X		157.293	2130.888	3828.638	1026104.000	1089415.300	171.355	402.610	808.356	698.455
?		16.707	9.022	73.257	11594.494	12197.390	19.411	59.486	20.334	35.184
%RSD		10.622	0.423	1.913	1.130	1.120	11.328	14.775	2.515	5.037

Run	Time	208Pb	209Bi	232Th	238U
1	16:26:49	1839.181	900453.730	270.315	575.012
2	16:27:58	1781.361	922826.860	228.127	562.511
3	16:29:07	1804.802	916996.960	259.377	545.323
X		1808.448	913425.850	252.606	560.949
?		29.082	11606.201	21.894	14.906
%RSD		1.608	1.271	8.667	2.657

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Inst Id :P6

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	26Mg	26Mg	27Al
1	16:34:47	48598.147	8.854	2123.595	1609.466	126203300.000	59354.297	8225.805	10198.952	9468.762
2	16:35:56	51696.495	8.333	2379.886	1789.175	133167710.000	63449.969	9076.320	10777.501	10206.770
3	16:37:05	49626.674	6.250	2312.687	1612.591	129191250.000	61733.097	8515.037	10385.023	9850.270
X		49973.772	7.813	2272.056	1670.410	129520760.000	61512.454	8605.721	10453.826	9841.934
?		1578.068	1.378	132.889	102.865	3493879.000	2056.732	432.448	295.348	369.075
%RSD		3.158	17.638	5.849	6.158	2.698	3.344	5.025	2.825	3.750

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:34:47	648355.040	1140.670	399377.500	1387077.900	354952.460	10738.409	179446.570	174855.790	59.375
2	16:35:56	707774.880	1343.813	432310.930	1484589.300	364840.690	11312.290	192095.400	186800.880	79.688
3	16:37:05	679909.880	1306.310	413981.400	1444696.700	360235.380	11049.584	187190.300	179736.110	59.375
X		678679.930	1263.598	415223.280	1438788.000	360009.510	11033.428	186244.090	180464.260	66.146
?		29729.007	108.097	16501.802	49023.489	4947.984	287.281	6377.282	6005.742	11.727
%RSD		4.380	8.555	3.974	3.407	1.374	2.604	3.424	3.328	17.730

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:34:47	36452.699	1173.486	12178.626	5036.825	6156.014	105015.830	3939.606	37.500	143.751
2	16:35:56	40173.595	1337.563	13612.733	5397.895	6354.538	109987.400	3966.176	57.813	182.814
3	16:37:05	41643.420	1256.305	14177.344	5369.759	6306.079	107118.860	3898.970	50.000	157.813
X		39423.238	1255.785	13322.901	5268.160	6272.210	107374.030	3934.917	48.438	161.459
?		2675.477	82.040	1030.398	200.835	103.505	2495.592	33.847	10.246	19.785
%RSD		6.787	6.533	7.734	3.812	1.650	2.324	0.860	21.153	12.254

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:34:47	760.958	300.003	1456.324	595.846	198.439	198.439	411.985	28.646	26.563
2	16:35:56	779.709	337.504	1634.469	651.577	193.751	193.751	382.818	31.771	23.438
3	16:37:05	789.084	317.191	1564.148	684.912	242.190	242.190	404.172	30.729	29.167
X		776.584	318.233	1551.647	644.112	211.460	211.460	399.658	30.382	26.389
?		14.321	18.772	89.728	45.000	26.716	26.716	15.099	1.591	2.869
%RSD		1.844	5.899	5.783	6.986	12.634	12.634	3.778	5.237	10.870

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	16:34:47	19414.746	172083.360	1929.818	420.319	1989.201	2140.785	2267.367	1346.939	3464.483
2	16:35:56	20186.127	181801.060	1906.377	421.881	1992.326	2211.109	2458.024	1386.005	3839.578
3	16:37:05	20081.292	176965.910	1776.673	428.131	1989.201	2059.523	2398.639	1393.818	3675.473
X		19894.055	176950.110	1870.956	423.444	1990.243	2137.139	2374.677	1375.587	3659.845
?		418.390	4858.865	82.488	4.134	1.804	75.858	97.561	25.116	188.036
%RSD		2.103	2.746	4.409	0.976	0.091	3.550	4.108	1.826	5.138

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	16:34:47	3.125	423295.330	320.316	271.878	18.750	18.750	300.003	39.063	268.753
2	16:35:56	4.688	443757.120	401.568	265.627	7.813	7.813	257.815	26.563	281.253
3	16:37:05	3.125	433254.510	312.503	235.939	7.813	7.813	192.189	31.250	293.753
X		3.646	433435.650	344.796	257.815	11.458	11.458	250.002	32.292	281.253
?		0.902	10232.094	49.321	19.201	6.315	6.315	54.330	6.315	12.500
%RSD		24.744	2.361	14.304	7.447	55.111	55.111	21.732	19.555	4.444

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	16:34:47	107.813	2626.804	4566.355	1032947.600	1096824.200	153.126	421.881	407.818	375.005
2	16:35:56	115.625	2703.381	4721.093	1062388.800	1129379.300	151.563	365.630	389.068	368.755
3	16:37:05	110.938	2728.386	4733.597	1042307.700	1103207.500	137.501	348.442	426.569	360.942
X		111.459	2686.190	4673.681	1045881.400	1109803.600	147.397	378.651	407.818	368.234
?		3.932	52.928	93.158	15042.424	17250.806	8.606	38.412	18.751	7.046
%RSD		3.528	1.970	1.993	1.438	1.554	5.838	10.145	4.598	1.913

Run	Time	208Pb	209Bi	232Th	238U
1	16:34:47	873.464	939178.530	120.313	73.438
2	16:35:56	917.217	965727.950	131.251	84.375
3	16:37:05	835.962	946494.750	156.251	78.125
X		875.548	950467.070	135.938	78.646
?		40.668	13713.221	18.422	5.487
%RSD		4.645	1.443	13.552	6.977

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Inst Id :P6

D3485-12 MH3BR2 07/25/2012 04:41:35 PM

User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:42:44	48344.162	5.729	1987.638	1543.833	124307540.000	66545.254	9126.352	11320.108	5910.597
2	16:43:53	48184.248	9.896	2079.839	1507.892	124226410.000	66257.986	9295.211	11249.740	5860.577
3	16:45:03	50611.369	9.896	2151.725	1665.722	127820210.000	67352.148	9689.222	11559.362	5966.871
X		49046.593	8.507	2073.067	1572.483	125451390.000	66718.463	9370.262	11376.404	5912.682
?		1357.493	2.406	82.252	82.723	2051860.900	567.273	288.843	162.306	53.178
%RSD		2.768	28.278	3.968	5.261	1.636	0.850	3.083	1.427	0.899

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:42:44	613378.920	1267.244	367046.120	1433467.500	358460.310	7120.524	117845.000	174493.590	56.250
2	16:43:53	611510.710	1312.560	366456.260	1451085.700	356520.470	6954.818	118418.460	176065.830	70.313
3	16:45:03	631094.820	1343.813	375045.210	1494365.300	363194.850	7145.537	122215.870	182240.980	59.375
X		618661.480	1307.872	369515.860	1459639.500	359391.880	7073.626	119493.110	177600.130	61.979
?		10808.027	38.499	4797.631	31337.070	3433.322	103.649	2375.348	4095.254	7.384
%RSD		1.747	2.944	1.298	2.147	0.955	1.465	1.988	2.306	11.914

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:42:44	40120.321	1240.679	13471.974	9593.845	5408.836	183996.080	5522.942	46.875	192.189
2	16:43:53	42354.882	1214.114	14538.644	9650.133	5605.787	183657.390	5316.614	60.938	203.126
3	16:45:03	44671.297	1268.806	15114.241	10181.752	5590.156	188820.920	5618.292	57.813	182.814
X		42382.167	1241.200	14374.953	9808.577	5534.927	185491.460	5485.950	55.208	192.710
?		2275.611	27.350	833.280	324.402	109.477	2888.367	154.204	7.384	10.166
%RSD		5.369	2.204	5.797	3.307	1.978	1.557	2.811	13.375	5.276

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:42:44	948.469	450.007	1770.422	675.537	225.002	225.002	380.213	27.083	29.688
2	16:43:53	996.910	434.382	1692.288	714.601	200.001	200.001	373.442	28.125	28.125
3	16:45:03	1039.100	432.819	1721.979	668.245	231.252	231.252	400.006	35.417	29.167
X		994.826	439.069	1728.230	686.128	218.752	218.752	384.554	30.208	28.993
?		45.352	9.505	39.441	24.927	16.536	16.536	13.803	4.541	0.796
%RSD		4.559	2.165	2.282	3.633	7.559	7.559	3.589	15.031	2.744

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	16:42:44	15170.551	132426.580	1526.644	325.004	2000.140	2403.327	2623.678	1515.705	3950.546
2	16:43:53	15111.113	133297.120	1446.948	310.941	2007.954	2492.405	2687.753	1532.895	3922.413
3	16:45:03	15353.559	134607.760	1239.116	270.315	1790.737	2447.085	2731.511	1586.026	4081.833
X		15211.741	133443.820	1404.236	302.087	1932.944	2447.606	2680.981	1544.875	3984.931
?		126.362	1097.966	148.446	28.399	123.216	44.541	54.234	36.659	85.090
%RSD		0.831	0.823	10.571	9.401	6.375	1.820	2.023	2.373	2.135

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	16:42:44	1.563	420561.660	303.128	209.377	9.375	9.375	210.939	39.063	254.690
2	16:43:53	3.125	419741.180	340.629	200.001	10.938	10.938	214.064	34.375	273.440
3	16:45:03	7.813	436607.430	406.256	162.501	9.375	9.375	198.439	40.625	270.315
X		4.167	425636.760	350.004	190.626	9.896	9.896	207.814	38.021	266.148
?		3.253	9509.734	52.199	24.804	0.902	0.902	8.268	3.253	10.046
%RSD		78.062	2.234	14.914	13.012	9.116	9.116	3.979	8.555	3.774

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	16:42:44	98.438	1728.230	3020.632	1024860.800	1093611.700	150.001	395.318	535.948	428.131
2	16:43:53	123.438	1698.539	3131.593	1034061.500	1092821.700	120.313	403.131	484.383	404.693
3	16:45:03	68.750	1790.737	3195.670	1053474.500	1123602.400	115.625	315.628	510.947	445.319
X		96.875	1739.168	3115.965	1037465.600	1103345.300	128.646	371.359	510.426	426.048
?		27.377	47.063	88.559	14607.449	17547.665	18.641	48.422	25.786	20.393
%RSD		28.260	2.706	2.842	1.408	1.590	14.490	13.039	5.052	4.787

Run	Time	208Pb	209Bi	232Th	238U
1	16:42:44	1117.231	932219.150	106.250	54.688
2	16:43:53	1123.482	944536.950	93.750	43.750
3	16:45:03	1107.856	953834.620	109.375	59.375
X		1116.189	943530.240	103.125	52.604
?		7.865	10842.841	8.268	8.018
%RSD		0.705	1.149	8.017	15.242

Reviewed by jaswal
Dt 7/26/2012 11:43:57
Inst Inst Id :P6

D3485-12D MH3BR2D 07/25/2012 04:49:34 PM
User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:50:43	48761.201	9.375	1954.821	1626.655	127371480.000	75758.157	10599.243	12863.601	14889.005
2	16:51:52	51058.268	9.375	2189.230	1682.912	135147650.000	81225.574	11207.520	13658.088	16581.493
3	16:53:01	49335.041	7.813	2147.036	1653.221	130944570.000	78427.190	10935.434	12786.970	15711.760
X		49718.170	8.854	2097.029	1654.263	131154570.000	78470.307	10914.065	13102.887	15727.419
?		1195.500	0.902	124.950	28.143	3892335.300	2733.964	304.701	482.343	846.352
%RSD		2.405	10.189	5.958	1.701	2.968	3.484	2.792	3.681	5.381

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	46Sc	47Ti
1	16:50:43	616251.810	1559.460	368791.780	1108720.000	853676.080	7425.367	128240.210	175352.440	67.188
2	16:51:52	668037.740	1662.597	399279.500	1182705.400	894820.460	8177.340	137328.790	184246.140	81.250
3	16:53:01	640323.430	1717.291	381330.230	1160740.200	870407.400	7861.538	131297.480	176940.600	87.500
X		641537.660	1646.449	383133.840	1150721.900	872967.980	7821.415	132288.830	178846.400	78.646
?		25914.310	80.145	15323.675	37996.504	20691.363	377.589	4624.678	4743.261	10.404
%RSD		4.039	4.868	4.000	3.302	2.370	4.828	3.496	2.652	13.229

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:50:43	34822.076	10106.699	12410.076	14823.312	27377.771	260669.190	7400.354	592.200	3711.420
2	16:51:52	37038.578	11052.712	13725.340	15567.853	29450.638	277815.970	7783.370	590.637	4074.018
3	16:53:01	36839.627	10441.314	13506.382	15076.702	27819.248	266302.930	7591.079	598.450	3963.050
X		36233.427	10533.575	13213.933	15155.955	28215.886	268262.700	7591.601	593.762	3916.163
?		1226.307	479.707	704.716	378.545	1091.872	8739.766	191.509	4.134	185.791
%RSD		3.384	4.554	5.333	2.498	3.870	3.258	2.523	0.696	4.744

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:50:43	2559.604	1256.305	15231.553	532.822	156.251	156.251	408.339	40.625	33.333
2	16:51:52	2739.325	1282.870	16249.862	610.951	195.314	195.314	376.047	41.667	29.167
3	16:53:01	2717.446	1290.683	15311.326	576.574	242.190	242.190	369.276	25.521	28.125
X		2672.125	1276.620	15597.580	573.449	197.918	197.918	384.554	35.938	30.208
?		98.058	18.021	566.299	39.158	43.028	43.028	20.875	9.036	2.756
%RSD		3.670	1.412	3.631	6.828	21.741	21.741	5.428	25.144	9.123

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	16:50:43	15524.055	136333.390	1525.081	326.566	2025.144	2517.409	2792.460	1486.015	3938.043
2	16:51:52	16242.040	143002.800	1536.020	321.879	2015.767	2583.046	2875.289	1579.775	4328.781
3	16:53:01	15971.423	139240.920	1373.504	295.316	2011.079	2572.107	2814.340	1537.583	4116.218
X		15912.506	139525.700	1478.202	314.587	2017.330	2557.521	2827.363	1534.458	4127.681
?		362.600	3343.817	90.836	16.853	7.161	35.165	42.923	46.958	195.621
%RSD		2.279	2.397	6.145	5.357	0.355	1.375	1.518	3.060	4.739

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	16:50:43	4.688	421361.280	321.879	157.813	6.250	6.250	175.001	62.500	1064.102
2	16:51:52	0.000	430873.150	289.065	171.876	12.500	12.500	151.563	37.500	1153.172
3	16:53:01	4.688	430159.940	340.629	164.063	6.250	6.250	151.563	54.688	1076.603
X		3.125	427464.790	317.191	164.584	8.333	8.333	159.376	51.563	1097.959
?		2.706	5297.814	26.099	7.046	3.608	3.608	13.532	12.790	48.222
%RSD		86.603	1.239	8.228	4.281	43.301	43.301	8.490	24.804	4.392

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	16:50:43	128.126	1998.577	3406.656	1034472.500	1096852.800	181.251	445.319	7209.631	6251.368
2	16:51:52	148.438	2061.086	3562.944	1044303.700	1109895.300	171.876	418.756	7492.589	6370.170
3	16:53:01	128.126	1968.886	3570.759	1038860.300	1099122.400	165.626	485.946	7534.799	6367.044
X		134.896	2009.516	3513.453	1039212.200	1101956.800	172.918	450.007	7412.340	6329.527
?		11.728	47.064	92.571	4925.032	6967.944	7.865	33.839	176.815	67.706
%RSD		8.694	2.342	2.635	0.474	0.632	4.548	7.520	2.385	1.070

Run	Time	208Pb	209Bi	232Th	238U
1	16:50:43	15342.609	940343.750	128.126	75.000
2	16:51:52	16013.658	946885.000	142.188	62.500
3	16:53:01	15628.857	945013.870	121.876	75.000
X		15661.708	944080.870	130.730	70.834
?		336.728	3368.958	10.404	7.217
%RSD		2.150	0.357	7.958	10.189

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	26Mg	26Mg	27Al
1	16:58:41	51889.379	3.125	517.197	1256.305	27537191.000	16054.328	2268.930	2684.627	4086.522
2	16:59:50	48135.648	2.604	503.134	1275.057	26338242.000	15849.412	2232.987	2540.851	3745.804
3	17:01:00	49153.166	5.208	500.009	1237.554	26503016.000	15783.715	2312.687	2581.483	3906.784
X		49726.064	3.646	506.780	1256.305	26792816.000	15895.818	2271.535	2602.321	3913.037
?		1941.336	1.378	9.156	18.752	649890.790	141.149	39.914	74.118	170.445
%RSD		3.904	37.796	1.807	1.493	2.426	0.888	1.757	2.848	4.356

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:58:41	137316.170	1653.221	102507.080	537811.400	196975.240	1526.644	26613.830	185662.750	18.750
2	16:59:50	127970.620	1612.591	97849.590	525195.430	194566.000	1521.956	25530.606	177843.900	23.438
3	17:01:00	129723.830	1551.647	97289.535	524790.310	194165.290	1495.391	25723.138	175502.710	14.063
X		131670.210	1605.820	99215.402	529265.710	195235.510	1514.664	25955.858	179669.780	18.750
?		4967.505	51.124	2864.398	7403.554	1519.915	16.855	577.895	5320.430	4.688
%RSD		3.773	3.184	2.887	1.399	0.779	1.113	2.226	2.961	25.000

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:58:41	20887.133	851.588	6864.149	6865.712	1551.647	115748.280	3423.848	34.375	70.313
2	16:59:50	20844.884	826.586	6785.986	6524.927	1618.842	111338.430	3314.447	29.688	73.438
3	17:01:00	20547.579	812.523	6895.414	6649.985	1579.775	111317.960	3245.681	34.375	67.188
X		20759.866	830.232	6848.516	6680.208	1583.421	112801.560	3327.992	32.813	70.313
?		185.055	19.786	56.364	172.391	33.746	2551.953	89.852	2.706	3.125
%RSD		0.891	2.383	0.823	2.581	2.131	2.262	2.700	8.248	4.444

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:58:41	351.567	151.563	585.950	290.628	92.188	92.188	395.839	31.250	26.042
2	16:59:50	343.754	142.188	521.885	262.502	114.063	114.063	429.694	32.292	31.771
3	17:01:00	360.942	142.188	501.571	257.294	112.500	112.500	405.735	24.479	28.125
X		352.088	145.313	536.468	270.141	106.250	106.250	410.423	29.340	28.646
?		8.606	5.413	44.039	17.932	12.204	12.204	17.408	4.242	2.900
%RSD		2.444	3.725	8.209	6.638	11.486	11.486	4.241	14.458	10.123

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	16:58:41	3217.550	28907.343	342.192	62.500	390.630	532.822	593.762	348.442	920.342
2	16:59:50	3281.627	28349.977	314.066	64.063	432.819	493.759	545.323	360.942	964.095
3	17:01:00	3253.495	28154.278	321.879	90.625	412.506	567.199	589.075	364.067	795.335
X		3250.891	28470.533	326.045	72.396	411.985	531.260	576.053	357.817	893.257
?		32.118	390.739	14.518	15.806	21.099	36.745	26.716	8.268	87.580
%RSD		0.988	1.372	4.453	21.833	5.121	6.917	4.638	2.311	9.805

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	16:58:41	1.563	447167.270	323.441	109.375	6.250	6.250	65.625	29.688	154.688
2	16:59:50	6.250	433415.530	300.003	90.625	6.250	6.250	79.688	23.438	134.376
3	17:01:00	1.563	436486.630	251.565	95.313	3.125	3.125	68.750	21.875	145.313
X		3.125	439023.140	291.670	98.438	5.208	5.208	71.354	25.000	144.792
?		2.706	7218.238	36.656	9.758	1.804	1.804	7.384	4.134	10.166
%RSD		86.603	1.644	12.568	9.913	34.641	34.641	10.349	16.536	7.021

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	16:58:41	45.313	393.755	692.204	1063009.000	1129738.900	90.625	270.315	221.877	217.189
2	16:59:50	57.813	381.255	657.828	1038299.800	1104847.500	121.876	268.753	217.189	170.314
3	17:01:00	46.875	339.067	695.329	1040852.500	1107374.600	82.813	221.877	201.564	181.251
X		50.000	371.359	681.787	1047387.100	1113987.000	98.438	253.648	213.543	189.585
?		6.811	28.656	20.808	13589.056	13699.935	20.670	27.526	10.636	24.524
%RSD		13.622	7.717	3.052	1.297	1.230	20.998	10.852	4.981	12.936

Run	Time	208Pb	209Bi	232Th	238U
1	16:58:41	492.196	978005.230	112.500	18.750
2	16:59:50	451.570	959592.300	142.188	17.188
3	17:01:00	464.070	964498.940	135.938	14.063
X		469.279	967365.490	130.209	16.667
?		20.808	9535.294	15.651	2.387
%RSD		4.434	0.986	12.020	14.321

Reviewed by: jaswal
On 7/26/2012 11:43:57 AM
Inst Id :P6

CCV10 07/25/2012 05:05:29 PM
User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:06:38	48478.993	58563.544	10974.526	1253.180	34511104.000	28849661.000	4161468.100	4953926.000	7463626.800
2	17:07:47	50062.566	58771.164	11390.477	1340.688	35167964.000	29308532.000	4198259.600	5031251.100	7581018.300
3	17:08:56	49261.350	59142.484	11584.383	1351.626	35504936.000	29901741.000	4223987.300	5038939.900	7611313.500
X		49267.636	58825.731	11316.462	1315.165	35061335.000	29353311.000	4194571.700	5008039.000	7551986.200
?		791.805	293.302	311.592	53.958	505423.710	527467.620	31422.353	47020.623	78006.334
%RSD		1.607	0.499	2.753	4.103	1.442	1.797	0.749	0.939	1.033

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:06:38	90910.221	368496.820	61201.128	246371.930	18029631.000	88053.347	1464930.200	179025.710	47684.137
2	17:07:47	94480.148	376552.850	63274.192	245834.670	18209017.000	89325.270	1470457.100	180114.260	47801.717
3	17:08:56	92231.147	375566.450	63008.961	244582.190	18424533.000	89633.441	1496002.200	180063.630	48776.880
X		92540.505	373538.710	62494.760	245596.270	18221060.000	89004.019	1477129.900	179734.540	48087.578
?		1804.957	4394.172	1128.141	918.377	197726.140	837.601	16575.905	614.383	599.841
%RSD		1.950	1.176	1.805	0.374	1.085	0.941	1.122	0.342	1.247

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:06:38	675022.020	635386.740	78994.364	2206433.000	1781615.100	37186944.000	971632.260	779381.640	173117.620
2	17:07:47	683632.960	643389.490	79702.971	2231273.100	1800779.900	37481298.000	981458.540	779109.580	172475.550
3	17:08:56	690065.820	643789.750	79200.187	2249819.500	1816714.500	37837230.000	985211.960	789649.680	173563.610
X		682906.930	640855.330	79299.174	2229175.200	1799703.200	37501824.000	979434.250	782713.630	173052.260
?		7548.135	4740.163	364.527	21769.230	17574.497	325628.550	7012.512	6008.335	546.966
%RSD		1.105	0.740	0.460	0.977	0.977	0.868	0.716	0.768	0.316

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:06:38	852458.040	408024.590	278306.630	117166.540	7475.393	7475.393	24528.331	10394.405	30.729
2	17:07:47	859868.930	411630.540	280181.820	117862.330	7398.791	7398.791	24935.806	10172.370	32.813
3	17:08:56	867306.770	414380.220	282678.730	119003.500	7301.866	7301.866	25018.764	10538.260	27.083
X		859877.910	411345.110	280389.060	118010.790	7392.016	7392.016	24827.634	10368.345	30.208
?		7424.370	3187.414	2193.403	927.438	86.962	86.962	262.502	184.332	2.900
%RSD		0.863	0.775	0.782	0.786	1.176	1.176	1.057	1.778	9.600

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	17:06:38	127138.240	1129862.200	728096.400	164137.550	417284.830	247905.940	312745.650	154420.740	406568.310
2	17:07:47	128659.580	1145659.900	752333.180	168546.260	426734.480	250491.080	319315.170	157880.120	408547.020
3	17:08:56	129599.270	1152018.600	760225.600	170842.040	429707.570	251944.430	320906.490	158452.030	414857.850
X		128465.700	1142513.600	746885.060	167841.950	424575.620	250113.820	317655.770	156917.630	409991.060
?		1241.918	11408.394	16743.146	3407.280	6486.647	2045.504	4326.085	2181.194	4329.321
%RSD		0.967	0.999	2.242	2.030	1.528	0.818	1.362	1.390	1.056

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	17:06:38	4.688	433257.730	20276.880	73121.031	13245.200	13245.200	70462.408	179615.860	493156.760
2	17:07:47	10.938	433602.330	20416.141	73725.690	13589.273	13589.273	71395.147	180584.200	501570.330
3	17:08:56	6.250	432990.430	20370.764	74778.013	13670.600	13670.600	71836.413	181106.380	499208.470
X		7.292	433283.490	20354.595	73874.911	13501.691	13501.691	71231.323	180435.480	497978.520
?		3.253	306.760	71.024	838.509	225.819	225.819	701.499	756.306	4339.544
%RSD		44.607	0.071	0.349	1.135	1.673	1.673	0.985	0.419	0.871

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	17:06:38	669862.460	656026.440	1173754.200	1045188.500	1104682.300	1251045.100	2956680.500	1057338.700	891183.000
2	17:07:47	681241.440	660469.620	1186940.700	1043729.600	1105833.700	1258789.300	2977648.500	1057284.900	901745.580
3	17:08:56	681781.950	665365.710	1189575.000	1040592.300	1112652.600	1254649.300	2972647.900	1061329.900	903391.730
X		677628.620	660620.590	1183423.300	1043170.100	1107722.900	1254827.900	2968992.300	1058651.200	898773.440
?		6731.113	4671.466	8476.631	2348.586	4307.901	3875.187	10951.579	2320.008	6624.837
%RSD		0.993	0.707	0.716	0.225	0.389	0.309	0.369	0.219	0.737

Run	Time	208Pb	209Bi	232Th	238U
1	17:06:38	2252581.600	947947.420	4950659.400	5148629.600
2	17:07:47	2261367.900	948818.090	4990711.500	5152701.400
3	17:08:56	2265491.700	947091.810	4981883.500	5144042.600
X		2259813.700	947952.440	4974418.100	5148457.900
?		6593.881	863.151	21043.807	4331.983
%RSD		0.292	0.091	0.423	0.084

Reviewed by: jaswal
On 7/26/2012 11:43:57 AM
Inst Id :P6

CCB10 07/25/2012 05:13:25 PM
User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:14:34	50327.557	14.063	256.252	1178.174	79456.290	1157.859	126.563	167.188	2211.109
2	17:15:43	51012.793	15.625	207.814	1128.170	79413.868	1096.917	131.251	179.689	2197.044
3	17:16:52	49242.535	13.021	181.251	1176.611	94547.780	4621.060	626.576	798.460	3083.145
X		50194.295	14.236	215.106	1160.985	84472.646	2291.945	294.797	381.779	2497.099
?		892.621	1.311	38.029	28.429	8725.348	2017.302	287.339	360.910	507.579
%RSD		1.778	9.207	17.679	2.449	10.329	88.017	97.470	94.534	20.327

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:14:34	1815.740	1679.786	28063.475	231460.010	150698.490	17.188	673.453	180747.180	9.375
2	17:15:43	1975.137	1686.037	27853.690	231161.490	151960.190	25.000	662.515	183543.440	3.125
3	17:16:52	1900.126	1732.918	28047.819	232384.210	154662.400	43.750	764.083	177567.050	14.063
X		1897.001	1699.580	27988.328	231668.570	152440.360	28.646	700.017	180619.220	8.854
?		79.744	29.040	116.862	637.484	2025.106	13.651	55.751	2990.248	5.487
%RSD		4.204	1.709	0.418	0.275	1.328	47.656	7.964	1.656	61.974

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:14:34	9698.604	615.638	3159.724	5735.526	470.320	92998.599	2742.451	70.313	48.438
2	17:15:43	9576.646	646.890	3130.030	5995.008	468.758	92130.501	2873.727	46.875	57.813
3	17:16:52	9201.400	728.144	3231.616	6049.718	721.893	93572.641	2847.159	125.001	78.125
X		9492.217	663.557	3173.790	5926.751	553.657	92900.580	2821.112	80.729	61.458
?		259.132	58.075	52.233	167.849	145.699	726.050	69.406	40.091	15.176
%RSD		2.730	8.752	1.646	2.832	26.316	0.782	2.460	49.661	24.693

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:14:34	182.814	64.063	187.501	140.105	45.313	45.313	419.798	26.042	30.208
2	17:15:43	150.001	65.625	134.376	125.521	43.750	43.750	422.402	24.479	30.208
3	17:16:52	231.252	125.001	182.814	141.667	35.938	35.938	416.673	29.688	30.208
X		188.022	84.896	168.230	135.765	41.667	41.667	419.624	26.736	30.208
?		40.875	34.740	29.412	8.905	5.023	5.023	2.869	2.673	0.000
%RSD		21.740	40.921	17.483	6.559	12.055	12.055	0.684	9.997	0.000

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	17:14:34	46.875	131.251	787.522	110.938	470.320	389.068	506.259	250.002	659.390
2	17:15:43	54.688	126.563	781.271	154.688	442.194	253.127	325.004	195.314	453.132
3	17:16:52	78.125	279.690	701.580	148.438	356.254	242.190	331.254	160.938	379.693
X		59.896	179.168	756.791	138.022	422.923	294.795	387.506	202.085	497.405
?		16.263	87.086	47.916	23.662	59.425	81.826	102.891	44.916	145.010
%RSD		27.152	48.606	6.332	17.144	14.051	27.757	26.552	22.226	29.153

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	17:14:34	6.250	446619.270	331.254	603.138	12.500	12.500	601.575	39.063	1067.227
2	17:15:43	4.688	449693.160	273.440	543.760	3.125	3.125	593.762	18.750	773.458
3	17:16:52	4.688	443188.300	312.503	542.198	6.250	6.250	526.572	34.375	665.641
X		5.208	446500.240	305.732	563.032	7.292	7.292	573.970	30.729	835.442
?		0.902	3254.066	29.496	34.741	4.774	4.774	41.233	10.636	207.845
%RSD		17.321	0.729	9.648	6.170	65.465	65.465	7.184	34.611	24.878

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	17:14:34	2272.056	3.125	31.250	1040657.800	1103684.500	425.006	967.220	89.063	100.000
2	17:15:43	1700.101	14.063	28.125	1038314.900	1100775.500	320.316	845.338	117.188	100.000
3	17:16:52	1326.624	109.375	159.376	1035437.200	1097078.600	551.573	1273.494	270.315	212.502
X		1766.260	42.188	72.917	1038136.600	1100512.800	432.299	1028.684	158.855	137.501
?		476.175	58.443	74.892	2614.845	3310.760	115.801	220.597	97.546	64.953
%RSD		26.960	138.531	102.708	0.252	0.301	26.787	21.445	61.406	47.238

Run	Time	208Pb	209Bi	232Th	238U
1	17:14:34	232.814	969627.710	5740.216	485.946
2	17:15:43	231.252	970564.800	3684.850	351.567
3	17:16:52	529.697	967429.690	2962.807	829.712
X		331.255	969207.400	4129.291	555.741
?		171.858	1609.265	1441.057	246.595
%RSD		51.881	0.166	34.898	44.372

Mass Uncorrected ICPS

Rev 7/26/2012 jaswal
Out 7/26/2012 11:43:57
Inst Id :P6

D3485-13 MH3BR3 07/25/2012 05:21:20 PM

User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:22:29	49902.633	8.854	3105.025	1725.104	624793840.000	5539748.900	800813.290	971709.110	9131.042
2	17:23:38	51963.084	18.750	3192.544	1917.316	650749220.000	5762590.200	843022.060	1024678.000	9858.088
3	17:24:47	53222.395	13.021	3500.429	1737.606	663955510.000	5895308.300	865303.080	1048640.700	9939.394
X		51696.037	13.542	3265.999	1793.342	646499520.000	5732549.200	836379.480	1015009.300	9642.841
?		1675.915	4.968	207.684	107.547	19923706.000	179673.230	32754.022	39366.620	445.091
%RSD		3.242	36.690	6.359	5.997	3.082	3.134	3.916	3.878	4.616

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:22:29	495059.980	1440.698	3034361.300	1271062.600	1261317.100	404914.510	6756322.700	176886.810	64.063
2	17:23:38	518935.270	1536.020	3181761.000	1340263.000	1302083.000	420389.520	7002023.600	184814.350	85.938
3	17:24:47	533481.630	1636.031	3250378.100	1371906.300	1325874.400	429330.870	7113343.700	186891.110	84.375
X		515825.630	1537.583	3155500.100	1327743.900	1296424.800	418211.630	6957230.000	182864.090	78.125
?		19398.668	97.676	110376.840	51574.298	32648.474	12353.015	182676.880	5279.595	12.204
%RSD		3.761	6.353	3.498	3.884	2.518	2.954	2.626	2.887	15.621

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:22:29	20646.158	2356.444	6748.469	7458.196	128467.240	159780.760	41682.597	587.512	1450.074
2	17:23:38	21085.862	2353.319	7214.321	7650.485	135006.810	168446.650	44815.497	560.949	1465.700
3	17:24:47	21401.957	2487.717	7228.391	7938.142	137186.810	169784.220	46235.637	565.636	1515.705
X		21044.659	2399.160	7063.727	7682.275	133553.620	166003.880	44244.577	571.366	1477.160
?		379.580	76.708	273.112	241.547	4537.794	5430.714	2329.594	14.178	34.284
%RSD		1.804	3.197	3.866	3.144	3.398	3.271	5.265	2.481	2.321

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:22:29	4933.664	2286.120	7623.909	756.270	173.439	173.439	432.819	35.938	25.000
2	17:23:38	5104.037	2458.024	7852.157	823.982	201.564	201.564	429.694	48.958	30.208
3	17:24:47	5036.825	2498.656	7966.283	811.481	189.064	189.064	442.715	44.792	35.938
X		5024.842	2414.267	7814.116	797.245	188.022	188.022	435.076	43.229	30.382
?		85.816	112.822	174.328	36.031	14.092	14.092	6.798	6.650	5.471
%RSD		1.708	4.673	2.231	4.519	7.495	7.495	1.562	15.382	18.007

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	17:22:29	542926.080	4800253.700	15700.811	3531.686	6440.514	1420.383	2545.539	893.778	2454.898
2	17:23:38	551368.490	4931184.700	11251.304	2573.669	5149.365	1562.585	2464.275	1010.973	2506.470
3	17:24:47	558902.960	4943323.700	9106.026	2134.535	4152.166	1518.831	2326.752	954.719	2508.033
X		551065.840	4891587.400	12019.380	2746.630	5247.348	1500.600	2445.522	953.157	2489.800
?		7992.740	79329.820	3363.815	714.454	1147.316	72.833	110.593	58.613	30.236
%RSD		1.450	1.622	27.987	26.012	21.865	4.854	4.522	6.149	1.214

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	17:22:29	1.563	408106.570	367.192	1529.769	39.063	39.063	1503.204	62.500	803.148
2	17:23:38	1.563	417353.990	371.880	1593.839	28.125	28.125	1467.263	54.688	814.086
3	17:24:47	7.813	421946.940	389.068	1562.585	35.938	35.938	1559.460	50.000	726.581
X		3.646	415802.500	376.047	1562.065	34.375	34.375	1509.976	55.729	781.271
?		3.608	7049.418	11.518	32.038	5.634	5.634	46.470	6.315	47.678
%RSD		98.974	1.695	3.063	2.051	16.389	16.389	3.078	11.331	6.103

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	17:22:29	456.257	1375.066	2365.821	1019436.300	1082806.800	1546.959	3648.903	1986.075	1675.098
2	17:23:38	460.945	1417.258	2489.279	1045082.700	1106403.500	889.090	2232.987	2032.957	1636.031
3	17:24:47	406.256	1392.255	2433.020	1053844.100	1119761.500	693.767	1670.410	1903.252	1704.789
X		441.153	1394.860	2429.373	1039454.300	1102990.600	1043.272	2517.434	1974.095	1671.973
?		30.312	21.216	61.810	17881.082	18712.244	447.005	1019.456	65.677	34.485
%RSD		6.871	1.521	2.544	1.720	1.697	42.846	40.496	3.327	2.063

Run	Time	208Pb	209Bi	232Th	238U
1	17:22:29	4313.151	887377.010	1703.227	1756.358
2	17:23:38	4299.084	905049.700	1225.053	2007.954
3	17:24:47	4314.714	909838.420	1217.239	1870.435
X		4308.983	900755.050	1381.840	1878.249
?		8.608	11830.545	278.357	125.980
%RSD		0.200	1.313	20.144	6.707

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Cal 7/26/2012 11:43:57 AM
Inst Inst Id :P6

D3485 -14 MH3BR4 07/25/2012 05:29:16 PM
User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:30:25	55029.221	9.375	1875.123	1740.731	242577450.000	143621.460	20245.586	24732.328	5516.690
2	17:31:34	51600.837	13.021	1831.367	1664.159	235798550.000	140249.140	19838.766	23818.277	5097.784
3	17:32:43	52079.131	17.708	1897.001	1742.294	239115040.000	142624.050	20331.645	24204.863	5538.573
X		52903.063	13.368	1867.831	1715.728	239163680.000	142164.880	20138.666	24251.823	5384.349
?		1856.772	4.178	33.419	44.667	3389707.800	1732.414	263.261	458.831	248.414
%RSD		3.510	31.250	1.789	2.603	1.417	1.219	1.307	1.892	4.614

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:30:25	664218.830	1371.941	945856.020	1412958.000	533916.180	54055.201	892088.550	190022.640	46.875
2	17:31:34	641104.180	1312.560	905327.440	1401683.700	522436.030	51878.402	867525.730	183294.960	82.813
3	17:32:43	648201.420	1296.934	916341.200	1422976.800	525140.330	53001.263	874496.110	182949.960	71.875
X		651174.810	1327.145	922508.220	1412539.500	527164.180	52978.288	878036.800	185422.520	67.188
?		11840.719	39.573	20956.277	10652.703	6001.701	1088.581	12658.406	3987.553	18.422
%RSD		1.818	2.982	2.272	0.754	1.138	2.055	1.442	2.151	27.418

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:30:25	27020.843	1246.929	8979.384	21700.845	14731.029	386468.700	14996.930	104.688	362.505
2	17:31:34	28733.555	1257.868	9772.091	21109.335	14246.162	380491.100	14530.824	131.251	292.190
3	17:32:43	30167.757	1212.552	9936.267	21040.483	14408.825	382300.970	14513.619	128.126	318.754
X		28640.718	1239.116	9562.581	21283.554	14462.005	383086.930	14680.458	121.355	324.483
?		1575.510	23.647	511.691	363.020	246.769	3065.325	274.208	14.518	35.505
%RSD		5.501	1.908	5.351	1.706	1.706	0.800	1.868	11.963	10.942

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:30:25	981.284	498.446	1571.962	608.867	192.189	192.189	384.901	36.458	32.292
2	17:31:34	1007.848	485.946	1607.903	602.096	218.752	218.752	379.693	39.583	33.854
3	17:32:43	1046.913	498.446	1475.076	646.369	200.001	200.001	407.297	37.500	25.000
X		1012.015	494.279	1551.647	619.111	203.647	203.647	390.630	37.847	30.382
?		33.013	7.217	68.704	23.848	13.652	13.652	14.667	1.591	4.726
%RSD		3.262	1.460	4.428	3.852	6.704	6.704	3.755	4.204	15.555

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	17:30:25	71757.895	631799.990	3394.153	714.080	2603.362	2562.730	2915.923	1625.092	4111.529
2	17:31:34	70236.299	620167.480	2995.627	675.016	2498.656	2483.028	3133.156	1598.527	4225.625
3	17:32:43	71013.565	626389.690	2779.958	600.013	2443.959	2528.349	2947.179	1609.466	4134.973
X		71002.586	626119.050	3056.579	663.036	2515.326	2524.702	2998.753	1611.028	4157.376
?		760.858	5820.976	311.601	57.970	80.998	39.976	117.441	13.352	60.257
%RSD		1.072	0.930	10.194	8.743	3.220	1.583	3.916	0.829	1.449

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	17:30:25	3.125	441847.720	375.005	1273.494	12.500	12.500	1285.995	34.375	420.319
2	17:31:34	4.688	427476.480	323.441	1215.677	7.813	7.813	1189.112	37.500	381.255
3	17:32:43	1.563	430071.400	323.441	1212.552	18.750	18.750	1100.042	28.125	435.944
X		3.125	433131.870	340.629	1233.908	13.021	13.021	1191.717	33.333	412.506
?		1.563	7658.847	29.770	34.319	5.487	5.487	93.004	4.774	28.169
%RSD		50.000	1.768	8.740	2.781	42.143	42.143	7.804	14.321	6.829

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	17:30:25	273.440	1826.679	3330.076	1060045.900	1126411.200	409.381	962.532	425.006	379.693
2	17:31:34	212.502	1845.432	3205.047	1043430.700	1104943.600	293.753	715.643	410.943	393.755
3	17:32:43	225.002	1778.236	3209.736	1051771.200	1115806.800	326.566	665.641	445.319	350.004
X		236.981	1816.782	3248.286	1051749.300	1115720.500	343.233	781.272	427.090	374.484
?		32.187	34.674	70.871	8307.576	10734.065	59.589	158.955	17.282	22.336
%RSD		13.582	1.909	2.182	0.790	0.962	17.361	20.346	4.047	5.964

Run	Time	208Pb	209Bi	232Th	238U
1	17:30:25	912.529	945725.940	432.819	143.751
2	17:31:34	921.905	931646.010	412.506	164.063
3	17:32:43	834.399	942811.180	332.816	189.064
X		889.611	940061.040	392.714	165.626
?		48.044	7431.924	52.858	22.697
%RSD		5.401	0.791	13.460	13.704

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:38:21	52228.110	7.813	2067.337	3355.081	259745170.000	28409.470	3908.347	5047.767	421145.680
2	17:39:31	54605.726	13.021	2072.025	3455.105	268877130.000	28927.696	4086.522	5169.685	436406.100
3	17:40:39	51633.768	11.458	1887.625	3359.770	259648700.000	28199.680	3858.334	4839.882	412895.970
X		52822.535	10.764	2008.996	3389.986	262757000.000	28512.282	3951.068	5019.111	423482.580
?		1572.622	2.673	105.136	56.444	5300408.300	374.739	119.943	166.758	11928.011
%RSD		2.977	24.830	5.233	1.665	2.017	1.314	3.036	3.322	2.817

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:38:21	693617.720	1753.233	125508.300	1593434.400	18283459.000	78139.683	1285449.600	184524.710	112.500
2	17:39:31	725858.600	1739.168	129779.010	1746744.800	18910925.000	81095.148	1331574.400	191819.860	145.313
3	17:40:39	683873.780	1612.591	123692.560	1687839.700	18221905.000	77036.843	1269029.100	182250.480	126.563
X		701116.700	1701.664	126326.620	1676006.300	18472096.000	78757.225	1295351.100	186198.350	128.126
?		21974.016	77.459	3124.655	77337.217	381281.210	2098.447	32426.955	4999.406	16.462
%RSD		3.134	4.552	2.473	4.614	2.064	2.664	2.503	2.685	12.848

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:38:21	34613.758	3030.009	11528.087	36087.711	11385.785	640080.070	23353.448	250.002	3005.004
2	17:39:31	38202.575	3095.648	12482.013	37198.367	11654.752	660502.330	24121.911	231.252	3131.593
3	17:40:39	38301.276	3133.156	12693.137	35967.095	11304.471	627984.010	22871.419	250.002	3147.222
X		37039.203	3086.271	12234.412	36417.725	11448.336	642855.470	23448.926	243.752	3094.606
?		2101.076	52.209	620.737	678.741	183.327	16435.858	630.690	10.826	77.991
%RSD		5.673	1.692	5.074	1.864	1.601	2.557	2.690	4.441	2.520

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:38:21	4141.225	1909.503	4858.639	1128.170	253.127	253.127	408.339	117.188	22.396
2	17:39:31	4531.969	1997.015	5041.514	1155.776	278.128	278.128	424.485	119.792	29.688
3	17:40:39	4220.936	1909.503	4875.832	1204.217	218.752	218.752	384.901	116.146	31.771
X		4298.043	1938.673	4925.328	1162.721	250.002	250.002	405.909	117.709	27.951
?		206.469	50.525	100.987	38.497	29.811	29.811	19.904	1.878	4.923
%RSD		4.804	2.606	2.050	3.311	11.924	11.924	4.904	1.595	17.612

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	17:38:21	264147.850	2358225.900	4370.981	937.531	3095.648	2506.470	3034.697	1715.728	4253.758
2	17:39:31	272612.470	2408517.800	3892.718	826.586	3114.402	2747.139	3259.747	1712.603	4591.363
3	17:40:39	263902.750	2342103.500	3358.207	831.274	2672.125	2725.260	3237.867	1745.419	4483.516
X		266887.690	2369615.700	3873.969	865.130	2960.725	2659.623	3177.437	1724.583	4442.879
?		4959.318	34641.168	506.647	62.744	250.111	133.085	124.099	18.112	172.432
%RSD		1.858	1.462	13.078	7.253	8.448	5.004	3.906	1.050	3.881

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	17:38:21	1.563	430077.840	346.879	792.209	9.375	9.375	807.835	28.125	467.195
2	17:39:31	3.125	438260.020	348.442	759.395	7.813	7.813	739.082	37.500	464.070
3	17:40:39	1.563	425950.660	342.192	706.267	7.813	7.813	735.956	35.938	482.821
X		2.083	431429.510	345.838	752.624	8.333	8.333	760.958	33.854	471.362
?		0.902	6265.008	3.253	43.369	0.902	0.902	40.627	5.023	10.046
%RSD		43.301	1.452	0.941	5.762	10.825	10.825	5.339	14.836	2.131

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	17:38:21	564.074	20761.951	36526.324	1042584.700	1104239.000	262.502	625.014	832.837	818.773
2	17:39:31	557.823	21780.654	37715.345	1062572.000	1131101.600	239.065	535.948	856.276	789.084
3	17:40:39	559.386	20511.590	36985.315	1035727.500	1103055.800	193.751	509.384	920.342	779.709
X		560.428	21018.065	37075.661	1046961.400	1112798.800	231.773	556.782	869.818	795.856
?		3.253	672.180	599.637	13947.176	15861.729	34.951	60.565	45.297	20.394
%RSD		0.580	3.198	1.617	1.332	1.425	15.080	10.878	5.208	2.562

Run	Time	208Pb	209Bi	232Th	238U
1	17:38:21	1978.262	925004.930	257.815	125.001
2	17:39:31	1903.252	941282.320	268.753	87.500
3	17:40:39	1879.811	924034.080	295.316	134.376
X		1920.442	930107.110	273.961	115.625
?		51.427	9690.182	19.285	24.804
%RSD		2.678	1.042	7.039	21.452

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:46:18	53350.998	8.333	2156.413	3567.633	240116250.000	113014.010	16271.762	20045.304	631971.390
2	17:47:27	53416.869	9.375	2342.380	3587.951	243165610.000	114477.160	16517.356	19768.356	628675.970
3	17:48:36	53233.373	10.417	2298.622	3544.190	241809530.000	114795.320	16162.262	19480.461	629638.890
X		53333.747	9.375	2265.805	3566.591	241697130.000	114095.500	16317.127	19764.707	630095.420
?		92.956	1.042	97.230	21.899	1527782.900	950.006	181.841	282.439	1694.477
%RSD		0.174	11.111	4.291	0.614	0.632	0.833	1.114	1.429	0.269

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:46:18	769951.270	1776.673	46912.840	1671757.800	9493177.800	59018.535	970599.880	186618.830	453.132
2	17:47:27	769473.410	1739.168	47453.684	1695559.900	9510237.700	58375.275	976004.820	187138.060	407.818
3	17:48:36	769674.440	1711.040	47307.889	1698540.300	9499008.700	58492.943	974561.080	187210.880	371.880
X		769699.710	1742.294	47224.804	1688619.300	9500808.100	58628.918	973721.930	186989.260	410.943
?		239.934	32.928	279.831	14678.385	8671.128	342.509	2798.475	322.856	40.716
%RSD		0.031	1.890	0.593	0.869	0.091	0.584	0.287	0.173	9.908

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:46:18	39009.438	7631.726	12957.436	124075.550	29820.154	2049763.500	57606.539	470.320	2617.427
2	17:47:27	41784.456	7564.502	13997.479	124165.390	30053.454	2053196.100	57823.036	518.759	2679.939
3	17:48:36	43019.363	7337.822	14288.392	123925.820	30142.704	2052905.200	58340.760	459.382	2678.376
X		41271.086	7511.350	13747.769	124055.590	30005.437	2051954.900	57923.445	482.821	2658.581
?		2053.664	153.993	699.734	121.025	166.550	1903.404	377.268	31.601	35.649
%RSD		4.976	2.050	5.090	0.098	0.555	0.093	0.651	6.545	1.341

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:46:18	9240.488	4109.966	43804.557	1317.769	220.314	220.314	409.902	107.813	28.646
2	17:47:27	8979.384	4194.366	44049.057	1399.027	262.502	262.502	384.901	113.021	22.917
3	17:48:36	9149.804	4117.781	43680.741	1381.838	262.502	262.502	386.464	119.792	28.125
X		9123.225	4140.704	43844.785	1366.211	248.440	248.440	393.755	113.542	26.563
?		132.566	46.636	187.424	42.823	24.357	24.357	14.005	6.007	3.168
%RSD		1.453	1.126	0.427	3.134	9.804	9.804	3.557	5.290	11.927

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	17:46:18	174147.210	1537929.600	2578.358	520.322	1284.433	560.949	785.959	356.254	929.718
2	17:47:27	173717.020	1549025.300	2431.457	529.697	1178.174	551.573	712.518	364.067	878.152
3	17:48:36	174896.910	1544031.900	2190.793	482.821	1187.549	575.012	703.142	348.442	890.653
X		174253.710	1543662.200	2400.203	510.947	1216.719	562.511	733.873	356.254	899.508
?		597.112	5557.093	195.664	24.805	58.829	11.797	45.351	7.813	26.899
%RSD		0.343	0.360	8.152	4.855	4.835	2.097	6.180	2.193	2.990

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	17:46:18	3.125	432088.740	379.693	448.445	15.625	15.625	392.193	37.500	473.445
2	17:47:27	7.813	434330.190	360.942	437.507	14.063	14.063	400.006	40.625	443.757
3	17:48:36	4.688	437741.350	318.754	407.818	10.938	10.938	406.256	40.625	537.510
X		5.208	434720.090	353.129	431.257	13.542	13.542	399.485	39.583	484.904
?		2.387	2846.405	31.212	21.022	2.387	2.387	7.046	1.804	47.915
%RSD		45.826	0.655	8.839	4.875	17.625	17.625	1.764	4.558	9.881

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	17:46:18	690.642	35932.634	65071.300	1043449.200	1104537.400	243.752	540.635	1843.869	1632.906
2	17:47:27	618.763	36817.695	65134.085	1042408.500	1109310.200	165.626	467.195	1809.490	1523.519
3	17:48:36	656.265	36217.727	64686.747	1049937.200	1110084.200	170.314	385.943	1720.416	1417.258
X		655.223	36322.685	64964.044	1045264.900	1107977.200	193.231	464.591	1791.258	1524.561
?		35.950	451.770	242.189	4079.595	3004.052	43.816	77.379	63.714	107.828
%RSD		5.487	1.244	0.373	0.390	0.271	22.675	16.655	3.557	7.073

Run	Time	208Pb	209Bi	232Th	238U
1	17:46:18	3839.578	930581.440	526.572	282.815
2	17:47:27	3830.201	930348.210	590.637	251.565
3	17:48:36	3728.612	936445.050	673.453	342.192
X		3799.464	932458.230	596.888	292.191
?		61.539	3454.652	73.640	46.035
%RSD		1.620	0.370	12.337	15.755

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:54:15	54946.090	5.729	2904.983	2000.140	172915450.000	107946.930	15627.293	18868.703	216189.160
2	17:55:23	54676.308	9.375	3019.069	2036.083	174088740.000	108738.840	15392.663	18731.022	215986.130
3	17:56:33	54850.411	4.688	2789.335	2093.903	168017210.000	104019.520	14652.823	17679.683	203455.740
X		54824.269	6.597	2904.462	2043.375	171673800.000	106901.760	15224.260	18426.469	211877.010
?		136.778	2.461	114.868	47.305	3220581.600	2527.307	508.594	650.389	7293.738
%RSD		0.249	37.309	3.955	2.315	1.876	2.364	3.341	3.530	3.442

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:54:15	1575888.800	1543.833	444736.890	1467384.300	10997993.000	16622.165	275037.990	192274.340	165.626
2	17:55:23	1596632.400	1570.399	444725.610	1506076.600	11140221.000	16850.557	278975.750	192271.180	217.189
3	17:56:33	1501118.200	1536.020	418840.310	1450847.600	10682066.000	15599.137	266938.060	189376.650	198.439
X		1557879.800	1550.084	436100.930	1474769.500	10940093.000	16357.286	273650.600	191307.390	193.751
?		50239.283	18.022	14948.143	28345.460	234501.330	666.433	6137.598	1672.073	26.099
%RSD		3.225	1.163	3.428	1.922	2.144	4.074	2.243	0.874	13.470

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:54:15	38819.860	1646.970	12378.798	9955.030	5368.196	182785.370	6617.157	128.126	435.944
2	17:55:23	40742.390	1575.087	13406.288	10308.405	5491.680	184375.930	6537.433	106.250	528.135
3	17:56:33	40510.482	1659.471	13543.917	9532.867	5016.506	176888.390	6362.354	95.313	460.945
X		40024.244	1627.176	13109.668	9932.101	5292.127	181349.900	6505.648	109.896	475.008
?		1049.453	45.542	636.681	388.277	246.551	3944.772	130.341	16.707	47.677
%RSD		2.622	2.799	4.857	3.909	4.659	2.175	2.004	15.203	10.037

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:54:15	796.897	345.317	2273.618	756.791	221.877	221.877	390.630	39.583	27.083
2	17:55:23	843.775	321.879	2389.262	782.834	221.877	221.877	388.026	42.188	26.042
3	17:56:33	715.643	323.441	2292.371	766.166	248.440	248.440	398.964	38.542	34.896
X		785.438	330.212	2318.417	768.597	230.731	230.731	392.540	40.104	29.340
?		64.830	13.104	62.066	13.191	15.336	15.336	5.714	1.878	4.839
%RSD		8.254	3.968	2.677	1.716	6.647	6.647	1.456	4.683	16.494

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	17:54:15	70889.513	633458.570	3344.141	762.520	3752.055	4102.151	4603.867	2650.246	6936.058
2	17:55:23	72675.014	640672.960	3151.910	698.455	3564.507	4102.151	4630.438	2703.381	6932.932
3	17:56:33	68297.244	611368.890	2717.446	587.512	3316.010	4063.078	4446.004	2445.522	6685.939
X		70620.590	628500.140	3071.166	682.829	3544.191	4089.127	4560.103	2599.716	6851.643
?		2201.240	15268.322	321.055	88.544	218.731	22.559	99.701	136.153	143.512
%RSD		3.117	2.429	10.454	12.967	6.172	0.552	2.186	5.237	2.095

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	17:54:15	3.125	442909.540	371.880	253.127	9.375	9.375	245.315	43.750	384.380
2	17:55:23	3.125	444736.890	404.693	196.876	15.625	15.625	206.251	29.688	398.443
3	17:56:33	4.688	436003.460	343.754	217.189	6.250	6.250	196.876	32.813	382.818
X		3.646	441216.630	373.442	222.398	10.417	10.417	216.147	35.417	388.547
?		0.902	4606.263	30.500	28.485	4.774	4.774	25.691	7.384	8.606
%RSD		24.744	1.044	8.167	12.808	45.826	45.826	11.886	20.849	2.215

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	17:54:15	156.251	5296.294	9389.022	1056718.700	1124383.900	181.251	428.131	865.651	732.831
2	17:55:23	189.064	5507.311	9409.348	1056594.300	1130051.300	150.001	348.442	865.651	689.079
3	17:56:33	140.626	5097.784	8976.257	1057935.200	1127447.800	156.251	385.943	890.653	714.080
X		161.980	5300.463	9258.209	1057082.700	1127294.300	162.501	387.505	873.985	711.997
?		24.722	204.795	244.389	740.867	2836.794	16.536	39.868	14.435	21.950
%RSD		15.262	3.864	2.640	0.070	0.252	10.176	10.288	1.652	3.083

Run	Time	208Pb	209Bi	232Th	238U
1	17:54:15	1997.015	946633.170	335.941	514.072
2	17:55:23	1845.432	948095.860	331.254	437.507
3	17:56:33	1781.361	955595.060	262.502	464.070
X		1874.602	950108.030	309.899	471.883
?		110.747	4807.857	41.114	38.876
%RSD		5.908	0.506	13.267	8.238

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Inst Id :P6

D3485-18 MH3BR8 07/25/2012 06:01:03 PM

User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:02:12	50117.445	6.771	2722.134	1856.371	171736380.000	87996.750	12582.101	14921.852	170258.570
2	18:03:21	49854.026	6.250	2798.712	1881.374	172131330.000	87044.065	12663.423	14757.619	170307.590
3	18:04:30	51837.630	4.688	2890.918	1975.137	177068060.000	90674.354	12693.137	15150.217	177571.790
X		50603.033	5.903	2803.921	1904.294	173645260.000	88571.723	12646.220	14943.229	172712.650
?		1077.273	1.084	84.512	62.612	2970802.900	1882.205	57.482	197.170	4208.214
%RSD		2.129	18.368	3.014	3.288	1.711	2.125	0.455	1.319	2.437

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:02:12	1497798.500	1409.445	418063.350	1469377.500	10885899.000	16004.272	267305.780	179395.940	129.688
2	18:03:21	1505366.600	1545.396	418695.530	1495832.600	10901939.000	16116.899	268211.580	178025.830	115.625
3	18:04:30	1563396.600	1476.639	435099.970	1542622.400	11273445.000	16633.115	274111.050	183453.230	115.625
X		1522187.200	1477.160	423952.950	1502610.800	11020427.000	16251.429	269876.140	180291.660	120.313
?		35888.421	67.977	9658.774	37089.905	219266.290	335.313	3695.401	2822.393	8.119
%RSD		2.358	4.602	2.278	2.468	1.990	2.063	1.369	1.565	6.748

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:02:12	39303.994	2004.828	13098.189	6685.939	3044.074	128833.010	5005.564	107.813	600.013
2	18:03:21	40884.984	1967.323	13714.392	6668.744	3269.124	129580.350	5130.609	95.313	495.321
3	18:04:30	42655.776	2072.025	13859.845	6779.733	3186.293	131136.640	5238.460	118.750	621.889
X		40948.251	2014.726	13557.476	6711.472	3166.497	129850.000	5124.878	107.292	572.407
?		1676.786	53.048	404.348	59.738	113.823	1175.250	116.554	11.728	67.649
%RSD		4.095	2.633	2.982	0.890	3.595	0.905	2.274	10.930	11.818

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:02:12	801.585	331.254	2053.273	795.335	209.377	209.377	417.194	44.792	34.896
2	18:03:21	840.650	367.192	2118.907	837.525	270.315	270.315	388.026	45.833	32.813
3	18:04:30	832.837	325.004	2068.900	828.670	270.315	270.315	404.172	51.563	28.125
X		825.024	341.150	2080.360	820.510	250.002	250.002	403.131	47.396	31.944
?		20.671	22.769	34.285	22.247	35.183	35.183	14.612	3.646	3.468
%RSD		2.506	6.674	1.648	2.711	14.073	14.073	3.625	7.692	10.856

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	18:02:12	71509.781	633332.860	2848.722	564.074	3206.610	3870.837	4455.382	2526.786	6554.628
2	18:03:21	71001.003	636529.720	2534.600	542.198	3200.358	3891.155	4552.288	2498.656	6484.284
3	18:04:30	73666.008	649803.030	2231.424	467.195	3150.347	4094.337	4400.678	2536.163	6664.054
X		72058.930	639888.540	2538.249	524.489	3185.772	3952.110	4469.449	2520.535	6567.655
?		1414.828	8733.719	308.665	50.809	30.837	123.591	76.778	19.519	90.590
%RSD		1.963	1.365	12.161	9.687	0.968	3.127	1.718	0.774	1.379

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	18:02:12	9.375	419076.780	356.254	143.751	3.125	3.125	137.501	14.063	560.949
2	18:03:21	1.563	420360.560	293.753	162.501	7.813	7.813	151.563	25.000	542.198
3	18:04:30	4.688	429229.450	375.005	153.126	15.625	15.625	156.251	35.938	581.262
X		5.208	422888.930	341.671	153.126	8.854	8.854	148.438	25.000	561.469
?		3.932	5528.442	42.544	9.375	6.315	6.315	9.758	10.938	19.537
%RSD		75.498	1.307	12.452	6.122	71.320	71.320	6.574	43.750	3.480

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	18:02:12	154.688	5071.212	9273.321	1030785.400	1090782.100	178.126	345.317	789.084	732.831
2	18:03:21	115.625	5210.325	9265.504	1032701.000	1099242.000	137.501	329.691	848.463	725.018
3	18:04:30	170.314	5397.895	9381.204	1043014.400	1113433.500	150.001	334.379	842.212	710.955
X		146.876	5226.477	9306.676	1035500.300	1101152.600	155.209	336.462	826.586	722.935
?		28.169	163.939	64.661	6577.566	11445.891	20.808	8.018	32.628	11.086
%RSD		19.179	3.137	0.695	0.635	1.039	13.406	2.383	3.947	1.533

Run	Time	208Pb	209Bi	232Th	238U
1	18:02:12	1665.722	925426.260	231.252	439.069
2	18:03:21	1675.098	937995.070	195.314	464.070
3	18:04:30	1801.676	947313.630	239.065	482.821
X		1714.166	936911.650	221.877	461.987
?		75.931	10983.834	23.333	21.950
%RSD		4.430	1.172	10.516	4.751

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Reviewed by: jaswal
Date: 7/26/2012 11:43:57
Inst Id :P6

D3485-18S MH3BR8S 07/25/2012 06:09:01 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:10:10	51360.912	5229.603	2872.164	2162.664	171977820.000	104047.850	14826.440	17391.830	1527740.200
2	18:11:19	52618.602	5336.934	3019.069	2364.258	177046820.000	107155.060	14926.544	18105.216	1587933.500
3	18:12:28	52311.226	5329.640	2872.164	2334.566	172442530.000	103835.370	14316.545	17792.323	1518670.300
X		52096.914	5298.726	2921.132	2287.162	173822390.000	105012.760	14689.843	17763.123	1544781.400
?		655.662	59.973	84.816	108.836	2802092.500	1858.328	327.137	357.588	37645.030
%RSD		1.259	1.132	2.904	4.759	1.612	1.770	2.227	2.013	2.437

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:10:10	1510603.600	1809.490	423150.510	1255350.900	11520855.000	16623.729	278260.430	183242.740	146.876
2	18:11:19	1563035.100	1815.740	436122.640	1296824.500	11795091.000	17495.081	286408.170	186701.150	143.751
3	18:12:28	1512668.300	1686.037	420474.780	1283378.400	11497840.000	16600.264	278773.420	186281.660	179.689
X		1528769.000	1770.422	426582.650	1278517.900	11604595.000	16906.358	281147.340	185408.520	156.772
?		29693.252	73.147	8369.499	21159.694	165374.700	509.984	4563.225	1887.310	19.908
%RSD		1.942	4.132	1.962	1.655	1.425	3.017	1.623	1.018	12.699

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:10:10	615160.960	228700.470	38304.409	98370.336	791735.510	1576892.600	39896.257	675112.060	150911.660
2	18:11:19	633793.240	235543.130	39645.561	99756.460	814514.050	1626706.800	41123.166	694196.400	153888.480
3	18:12:28	616259.960	227019.290	38351.410	97033.112	782900.830	1558037.000	39294.593	668613.770	149489.010
X		621738.050	230420.960	38767.127	98386.636	796383.460	1587212.200	40104.672	679307.410	151429.720
?		10454.550	4514.867	761.109	1361.747	16311.083	35478.909	931.932	13297.309	2245.021
%RSD		1.682	1.959	1.963	1.384	2.048	2.235	2.324	1.957	1.483

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:10:10	185551.950	88718.381	141566.730	9293.647	1526.644	1526.644	4465.802	1753.754	32.813
2	18:11:19	188360.210	91235.724	145049.850	9535.473	1581.338	1581.338	4638.774	1839.702	36.458
3	18:12:28	183605.160	88317.470	139760.010	9036.711	1503.204	1503.204	4390.258	1747.503	23.438
X		185839.110	89423.858	142125.530	9288.611	1537.062	1537.062	4498.278	1780.319	30.903
?		2390.499	1581.874	2688.827	249.419	40.095	40.095	127.401	51.522	6.717
%RSD		1.286	1.769	1.892	2.685	2.609	2.609	2.832	2.894	21.737

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	18:10:10	71930.636	632203.190	2114.219	481.258	2365.821	2903.420	3453.542	1850.120	4880.521
2	18:11:19	72979.686	648918.860	1931.381	484.383	2593.986	3244.118	3712.983	1925.130	5200.947
3	18:12:28	70451.417	622289.650	1831.367	440.632	2493.968	3111.276	3478.549	2011.079	5377.575
X		71787.246	634470.560	1958.989	468.758	2484.591	3086.272	3548.358	1928.776	5153.014
?		1270.219	13458.619	143.433	24.408	114.371	171.720	143.116	80.542	251.970
%RSD		1.769	2.121	7.322	5.207	4.603	5.564	4.033	4.176	4.890

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	18:10:10	0.000	427941.670	1707.915	29087.395	1021.912	1021.912	28351.543	15722.710	1123.482
2	18:11:19	3.125	435766.710	1739.168	29882.784	1065.665	1065.665	29499.176	16212.319	1084.416
3	18:12:28	10.938	435736.110	1757.921	29353.564	1025.037	1025.037	28575.426	15760.251	1171.923
X		4.688	433148.160	1735.001	29441.248	1037.538	1037.538	28808.715	15898.427	1126.607
?		5.634	4508.983	25.262	404.879	24.409	24.409	608.344	272.486	43.837
%RSD		120.185	1.041	1.456	1.375	2.353	2.353	2.112	1.714	3.891

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	18:10:10	117830.820	450331.560	804550.700	1043526.400	1110308.400	108819.130	262037.640	47844.045	40208.067
2	18:11:19	119480.380	465517.830	827307.770	1064056.300	1126882.200	109009.640	268974.160	48711.030	41333.146
3	18:12:28	116413.020	452079.230	799645.860	1067645.800	1133411.900	107909.140	261776.670	47891.078	40476.010
X		117908.070	455976.210	810501.440	1058409.500	1123534.200	108579.310	264262.820	48148.718	40672.408
?		1535.137	8309.364	14759.875	13013.465	11910.035	588.141	4082.222	487.544	587.690
%RSD		1.302	1.822	1.821	1.230	1.060	0.542	1.545	1.013	1.445

Run	Time	208Pb	209Bi	232Th	238U
1	18:10:10	100840.590	938676.800	218.752	525.010
2	18:11:19	102425.250	956567.980	234.377	451.570
3	18:12:28	99866.601	966838.480	228.127	453.132
X		101044.150	954027.750	227.085	476.570
?		1291.411	14251.655	7.865	41.957
%RSD		1.278	1.494	3.463	8.804

Reviewed by: jaswal
Dt 7/26/2012 11:43:57
Inst Id :P6

D3485 -19 MH3BR9 07/25/2012 06:16:59 PM
User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	26Mg	26Mg	27Al
1	18:18:08	49352.288	4.688	2264.242	1876.686	167757920.000	108214.570	14951.570	18285.132	84767.940
2	18:19:17	50057.862	11.979	2436.145	1773.548	168724510.000	109141.890	15519.363	18427.502	84554.178
3	18:20:26	50147.237	10.938	2439.271	1815.740	168371940.000	108882.110	15539.697	18504.164	84417.436
X		49852.462	9.201	2379.886	1821.991	168284790.000	108746.190	15336.877	18405.599	84579.851
?		435.462	3.944	100.163	51.852	489154.250	478.372	333.840	111.146	176.657
%RSD		0.874	42.860	4.209	2.846	0.291	0.440	2.177	0.604	0.209

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	46Sc	47Ti
1	18:18:08	973281.220	1367.253	451150.550	1423958.300	8464587.100	15833.770	261956.480	178788.390	70.313
2	18:19:17	970391.080	1318.811	449606.110	1437910.600	8480225.300	15890.082	260981.060	177424.670	103.125
3	18:20:26	973628.740	1301.622	451634.230	1446497.200	8500046.200	15758.687	263974.370	177692.030	81.250
X		972433.680	1329.229	450796.960	1436122.100	8481619.500	15827.513	262303.970	177968.360	84.896
?		1777.459	34.033	1059.284	11375.395	17770.592	65.921	1526.610	722.637	16.707
%RSD		0.183	2.560	0.235	0.792	0.210	0.416	0.582	0.406	19.680

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:18:08	35968.662	2975.310	12438.225	6060.660	3580.136	115978.260	4655.446	281.253	801.585
2	18:19:17	38285.609	3003.441	12943.361	6049.718	3384.776	116701.300	4688.269	250.002	734.394
3	18:20:26	38559.782	3005.004	12766.640	5985.629	3495.740	117444.850	4919.597	365.630	771.896
X		37604.684	2994.585	12716.075	6032.002	3486.884	116708.130	4754.437	298.962	769.292
?		1423.454	16.711	256.336	40.532	97.981	733.322	143.971	59.813	33.671
%RSD		3.785	0.558	2.016	0.672	2.810	0.628	3.028	20.007	4.377

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:18:08	798.460	350.004	1876.686	721.893	217.189	217.189	391.672	44.271	32.292
2	18:19:17	729.706	356.254	2073.588	718.768	237.502	237.502	378.130	39.583	26.042
3	18:20:26	831.274	398.443	2015.767	751.582	240.627	240.627	405.214	51.563	28.125
X		786.480	368.234	1988.680	730.748	231.773	231.773	391.672	45.139	28.819
?		51.833	26.348	101.207	18.111	12.726	12.726	13.542	6.037	3.182
%RSD		6.590	7.155	5.089	2.478	5.491	5.491	3.457	13.373	11.042

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	18:18:08	64554.903	575624.240	1443.823	337.504	2315.813	3105.025	3652.029	2014.205	5325.993
2	18:19:17	64192.337	572726.830	1267.244	303.128	2259.554	3131.593	3414.471	1929.818	5363.507
3	18:20:26	65367.963	578709.260	1292.246	296.878	2390.825	3297.256	3677.036	2047.022	5397.895
X		64705.068	575686.770	1334.438	312.503	2322.064	3177.958	3581.179	1997.015	5362.465
?		602.026	2991.708	95.552	21.875	65.859	104.165	144.914	60.463	35.962
%RSD		0.930	0.520	7.160	7.000	2.836	3.278	4.047	3.028	0.671

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	18:18:08	1.563	420394.340	325.004	181.251	4.688	4.688	200.001	48.438	320.316
2	18:19:17	0.000	422978.340	325.004	168.751	12.500	12.500	159.376	59.375	323.441
3	18:20:26	4.688	423432.110	279.690	139.063	3.125	3.125	151.563	56.250	342.192
X		2.083	422268.260	309.899	163.022	6.771	6.771	170.314	54.688	328.650
?		2.387	1638.646	26.162	21.670	5.023	5.023	26.006	5.634	11.831
%RSD		114.564	0.388	8.442	13.292	74.182	74.182	15.269	10.302	3.600

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	18:18:08	193.751	5029.010	8819.909	1035329.800	1099039.800	189.064	403.131	1159.422	906.279
2	18:19:17	173.439	4996.186	8869.940	1044631.100	1114509.600	145.313	328.129	1021.912	960.970
3	18:20:26	178.126	5086.843	9037.233	1044616.000	1110954.300	168.751	423.444	1092.229	900.028
X		181.772	5037.346	8909.027	1041525.600	1108167.900	167.709	384.901	1091.188	922.426
?		10.636	45.900	113.812	5365.716	8102.574	21.894	50.204	68.761	33.526
%RSD		5.851	0.911	1.277	0.515	0.731	13.055	13.043	6.301	3.635

Run	Time	208Pb	209Bi	232Th	238U
1	18:18:08	2376.760	937995.070	189.064	446.882
2	18:19:17	2270.493	946724.900	132.813	478.133
3	18:20:26	2403.327	948596.250	112.500	495.321
X		2350.193	944438.740	144.792	473.445
?		70.289	5658.280	39.662	24.557
%RSD		2.991	0.599	27.393	5.187

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:26:06	53136.137	11.979	162.501	1829.805	366001.060	26471.378	3584.825	4549.162	5815.246
2	18:27:15	53986.190	11.979	164.063	1789.175	362948.070	26770.372	3700.479	4564.792	6029.397
3	18:28:24	50826.193	6.771	115.625	1700.101	383692.220	26313.274	3598.891	4364.729	5658.933
X		52649.507	10.243	147.397	1773.027	370880.450	26518.341	3628.065	4492.894	5834.525
?		1635.238	3.007	27.526	66.342	11199.834	232.140	63.106	111.269	185.983
%RSD		3.106	29.357	18.675	3.742	3.020	0.875	1.739	2.477	3.188

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:26:06	3391.027	1359.440	28711.636	1422687.500	219774.500	659.390	11471.792	182851.840	23.438
2	18:27:15	3506.680	1471.951	29301.895	1443462.100	218616.310	698.455	11562.490	184154.350	32.813
3	18:28:24	3769.247	1343.813	28385.986	1424743.700	218816.210	621.889	11645.370	177881.870	25.000
X		3555.652	1391.735	28799.839	1430297.700	219069.000	659.911	11559.884	181629.350	27.083
?		193.807	69.907	464.281	11446.900	619.098	38.286	86.818	3310.115	5.023
%RSD		5.451	5.023	1.612	0.800	0.283	5.802	0.751	1.822	18.546

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:26:06	36156.635	2007.954	12336.574	5894.966	1840.744	116058.590	3436.351	134.376	410.943
2	18:27:15	38725.856	2047.022	13356.241	6068.476	1845.432	116707.600	3391.027	106.250	415.631
3	18:28:24	39510.813	1906.377	13507.946	5780.857	1857.933	113281.750	3255.058	139.063	403.131
X		38131.101	1987.118	13066.920	5914.766	1848.036	115349.310	3360.812	126.563	409.902
?		1754.402	72.600	637.030	144.828	8.886	1819.730	94.348	17.747	6.315
%RSD		4.601	3.654	4.875	2.449	0.481	1.578	2.807	14.022	1.541

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:26:06	1134.420	571.886	1682.912	545.323	214.064	214.064	414.069	28.125	30.729
2	18:27:15	1156.297	584.387	1665.722	601.575	178.126	178.126	434.902	28.646	27.604
3	18:28:24	1214.114	592.200	1732.918	547.927	203.126	203.126	398.443	30.729	33.333
X		1168.277	582.824	1693.850	564.942	198.439	198.439	415.805	29.167	30.556
?		41.176	10.246	34.908	31.752	18.422	18.422	18.292	1.378	2.869
%RSD		3.524	1.758	2.061	5.620	9.283	9.283	4.399	4.725	9.388

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	18:26:06	293.753	2273.618	160.938	34.375	98.438	59.375	71.875	50.000	87.500
2	18:27:15	295.316	2167.352	181.251	40.625	114.063	68.750	64.063	57.813	93.750
3	18:28:24	331.254	2157.976	196.876	28.125	98.438	53.125	68.750	34.375	84.375
X		306.774	2199.649	179.689	34.375	103.646	60.417	68.229	47.396	88.542
?		21.214	64.231	18.020	6.250	9.021	7.864	3.932	11.934	4.774
%RSD		6.915	2.920	10.028	18.182	8.704	13.017	5.763	25.179	5.391

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	18:26:06	0.000	449207.940	323.441	137.501	3.125	3.125	118.750	43.750	300.003
2	18:27:15	6.250	454067.380	348.442	132.813	4.688	4.688	125.001	75.000	251.565
3	18:28:24	3.125	438520.970	321.879	110.938	0.000	0.000	115.625	50.000	267.190
X		3.125	447265.430	331.254	127.084	2.604	2.604	119.792	56.250	272.919
?		3.125	7953.156	14.906	14.178	2.387	2.387	4.774	16.536	24.722
%RSD		100.000	1.778	4.500	11.156	91.652	91.652	3.985	29.397	9.058

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	18:26:06	120.313	307.816	573.449	1058187.200	1117067.000	126.563	323.441	1065.665	910.967
2	18:27:15	115.625	321.879	556.261	1057194.200	1122954.300	100.000	318.754	1034.412	854.713
3	18:28:24	135.938	337.504	504.696	1033984.300	1101021.500	117.188	314.066	1101.605	867.214
X		123.959	322.399	544.802	1049788.600	1113681.000	114.584	318.754	1067.227	877.631
?		10.636	14.851	35.780	13695.895	11351.693	13.471	4.688	33.624	29.538
%RSD		8.580	4.606	6.568	1.305	1.019	11.757	1.471	3.151	3.366

Run	Time	208Pb	209Bi	232Th	238U
1	18:26:06	2204.858	994401.420	34.375	35.938
2	18:27:15	2145.474	1000578.300	42.188	51.563
3	18:28:24	2182.979	983469.720	40.625	45.313
X		2177.770	992816.490	39.063	44.271
?		30.033	8663.724	4.134	7.864
%RSD		1.379	0.873	10.583	17.764

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:34:06	52769.156	6.250	90.625	1614.154	349485.750	28096.352	3880.214	4691.395	10643.026
2	18:35:15	50465.542	5.729	109.375	1689.162	349016.680	27634.515	3911.473	4577.296	10278.696
3	18:36:24	51541.248	9.896	87.500	1707.915	355040.540	27080.330	3903.658	4471.012	10181.752
X		51591.982	7.292	95.834	1670.410	351180.990	27603.732	3898.449	4579.901	10367.825
?		1152.644	2.270	11.831	49.614	3350.689	508.710	16.267	110.215	243.210
%RSD		2.234	31.135	12.345	2.970	0.954	1.843	0.417	2.406	2.346

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	46Sc	47Ti
1	18:34:06	3175.353	1486.015	28328.059	1490196.100	269322.820	870.339	16215.448	179342.140	29.688
2	18:35:15	3441.039	1417.258	27982.066	1497829.600	266037.110	1012.536	16376.569	175466.330	53.125
3	18:36:24	3437.914	1537.583	28224.730	1493967.400	265589.840	920.342	15833.770	178810.540	26.563
X		3351.435	1480.285	28178.285	1493997.700	266983.260	934.406	16141.929	177873.000	36.458
?		152.500	60.367	177.611	3816.867	2038.427	72.134	278.768	2101.121	14.518
%RSD		4.550	4.078	0.630	0.255	0.764	7.720	1.727	1.181	39.821

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:34:06	40248.807	17826.741	15963.602	14465.132	10829.103	255548.220	6809.435	523.447	5676.127
2	18:35:15	42566.447	17989.445	16199.805	14153.883	11177.809	253108.490	6814.125	500.009	5526.069
3	18:36:24	43826.499	17784.501	16908.438	14508.927	10905.724	251096.890	6789.113	506.259	5404.147
X		42213.918	17866.895	16357.282	14375.981	10970.878	253251.200	6804.224	509.905	5535.448
?		1814.712	108.212	491.709	193.584	183.256	2229.096	13.295	12.137	136.233
%RSD		4.299	0.606	3.006	1.347	1.670	0.880	0.195	2.380	2.461

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:34:06	1765.734	859.401	6607.778	586.470	189.064	189.064	394.797	27.083	23.958
2	18:35:15	1645.407	862.526	6660.928	614.597	164.063	164.063	377.609	20.833	27.604
3	18:36:24	1607.903	818.773	6512.422	623.972	214.064	214.064	390.109	30.208	26.042
X		1673.015	846.900	6593.709	608.346	189.064	189.064	387.505	26.042	25.868
?		82.458	24.408	75.246	19.516	25.000	25.000	8.885	4.774	1.829
%RSD		4.929	2.882	1.141	3.208	13.223	13.223	2.293	18.330	7.071

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	18:34:06	332.816	2426.769	176.564	34.375	95.313	60.938	76.563	54.688	137.501
2	18:35:15	329.691	2281.432	170.314	31.250	114.063	70.313	89.063	51.563	106.250
3	18:36:24	300.003	2337.691	156.251	34.375	84.375	59.375	81.250	57.813	125.001
X		320.837	2348.631	167.709	33.333	97.917	63.542	82.292	54.688	122.917
?		18.110	73.283	10.404	1.804	15.014	5.916	6.315	3.125	15.729
%RSD		5.645	3.120	6.203	5.413	15.334	9.310	7.674	5.714	12.796

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	18:34:06	4.688	444786.850	314.066	96.875	7.813	7.813	95.313	48.438	882.840
2	18:35:15	4.688	434744.060	301.566	93.750	3.125	3.125	85.938	56.250	826.586
3	18:36:24	3.125	443732.950	365.630	107.813	9.375	9.375	93.750	43.750	856.276
X		4.167	441087.950	327.087	99.480	6.771	6.771	91.667	49.479	855.234
?		0.902	5519.182	33.959	7.384	3.253	3.253	5.023	6.315	28.141
%RSD		21.651	1.251	10.382	7.423	48.038	48.038	5.479	12.763	3.290

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	18:34:06	110.938	315.628	550.011	1044617.600	1105520.100	165.626	362.505	2658.060	2242.363
2	18:35:15	107.813	287.503	512.509	1029364.800	1096327.200	140.626	335.941	2590.860	2257.991
3	18:36:24	114.063	325.004	540.635	1049221.800	1114342.600	150.001	339.067	2523.660	2201.732
X		110.938	309.378	534.385	1041068.100	1105396.600	152.084	345.838	2590.860	2234.029
?		3.125	19.516	19.516	10393.463	9008.356	12.630	14.518	67.200	29.041
%RSD		2.817	6.308	3.652	0.998	0.815	8.304	4.198	2.594	1.300

Run	Time	208Pb	209Bi	232Th	238U
1	18:34:06	5501.059	980866.770	57.813	56.250
2	18:35:15	5516.690	977866.510	28.125	71.875
3	18:36:24	5416.652	993968.080	50.000	75.000
X		5478.133	984233.790	45.313	67.708
?		53.815	8562.576	15.389	10.046
%RSD		0.982	0.870	33.962	14.836

Reviewed By: jaswal
Dt: 7/26/2012 11:43:57
Inst Inst Id : P6

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:42:03	50463.974	59318.733	11377.967	1290.683	34936951.000	29337261.000	4171325.700	5020102.800	7550526.200
2	18:43:12	51248.008	60822.432	11332.618	1381.317	35571981.000	29804406.000	4246001.900	5118127.700	7674886.200
3	18:44:21	55949.975	66138.685	12610.251	1498.516	37952870.000	31684261.000	4550248.400	5533664.400	8395770.600
X		52553.986	62093.283	11773.612	1390.172	36153934.000	30275309.000	4322525.300	5223965.000	7873727.700
?		2967.024	3583.188	724.905	104.199	1589950.900	1242342.200	200717.400	272649.040	456358.370
%RSD		5.646	5.771	6.157	7.495	4.398	4.103	4.644	5.219	5.796

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:42:03	91784.535	375508.720	62804.941	266640.390	18122780.000	88822.147	1479332.000	176804.550	47887.942
2	18:43:12	95068.406	380829.640	64134.265	262231.780	18416332.000	90087.848	1485682.100	178924.450	48361.408
3	18:44:21	100426.760	418964.170	69068.124	263918.670	19595815.000	95946.120	1574363.300	191354.300	51149.217
X		95759.899	391767.510	65335.777	264263.610	18711642.000	91618.705	1513125.800	182361.100	49132.856
?		4362.410	23702.784	3299.938	2224.456	779656.010	3800.709	53128.157	7860.134	1762.194
%RSD		4.556	6.050	5.051	0.842	4.167	4.148	3.511	4.310	3.587

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:42:03	684108.040	636701.170	79602.413	2224576.000	1804143.800	37373747.000	971358.290	779922.500	171049.180
2	18:43:12	687062.050	642968.010	80513.749	2256666.400	1821335.500	37860513.000	993231.930	798803.780	176200.280
3	18:44:21	745691.950	695260.380	87471.665	2420230.600	1893534.200	41129723.000	1061751.800	852824.270	188239.890
X		705620.680	658309.860	82529.276	2300491.000	1839671.200	38787994.000	1008780.700	810516.850	178496.450
?		34734.158	32153.135	4304.422	104931.500	47432.138	2042548.600	47160.014	37836.016	8822.384
%RSD		4.922	4.884	5.216	4.561	2.578	5.266	4.675	4.668	4.943

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:42:03	850318.840	409984.200	278121.840	116958.590	7556.686	7556.686	24750.589	10374.078	26.042
2	18:43:12	868411.570	414581.240	281670.030	118390.630	7706.766	7706.766	25022.416	10562.237	38.021
3	18:44:21	930506.470	441536.760	297232.180	125218.790	7975.663	7975.663	26576.782	11222.636	28.646
X		883078.960	422034.060	285674.680	120189.340	7746.372	7746.372	25449.929	10719.650	30.903
?		42057.857	17045.513	10165.099	4414.094	212.278	212.278	985.302	445.642	6.300
%RSD		4.763	4.039	3.558	3.673	2.740	2.740	3.872	4.157	20.388

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	18:42:03	127784.590	1136366.100	730635.290	163993.730	413839.890	247184.220	312530.070	156325.670	405194.150
2	18:43:12	128993.820	1147232.000	753786.560	168797.640	427861.180	251092.120	317701.660	158549.980	411511.560
3	18:44:21	135923.260	1206892.600	796183.730	179247.210	448302.010	264459.790	339003.270	167270.450	437190.480
X		130900.560	1163496.900	760201.860	170679.530	430001.030	254245.380	323078.340	160715.370	417965.400
?		4391.604	37972.430	33241.791	7798.930	17330.427	9059.172	14031.714	5784.789	16946.397
%RSD		3.355	3.264	4.373	4.569	4.030	3.563	4.343	3.599	4.054

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	18:42:03	3.125	423070.060	19859.106	73282.795	13395.340	13395.340	70804.720	178297.940	494366.250
2	18:43:12	4.688	429702.740	20571.050	74832.987	13690.932	13690.932	71965.184	180957.640	500520.390
3	18:44:21	9.375	448982.260	21570.961	99134.969	14458.876	14458.876	76083.315	189563.470	520046.480
X		5.729	433918.350	20667.039	82416.917	13848.383	13848.383	72951.073	182939.680	504977.710
?		3.253	13460.650	859.955	14498.991	548.972	548.972	2773.964	5888.500	13407.807
%RSD		56.773	3.102	4.161	17.592	3.964	3.964	3.802	3.219	2.655

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	18:42:03	661447.720	649847.160	1165309.300	1028710.800	1092459.600	1258121.600	2977010.500	1057960.400	900132.860
2	18:43:12	676320.380	658238.870	1179001.600	1041471.800	1102823.200	1266028.000	3004979.400	1069258.400	907922.080
3	18:44:21	705126.750	684229.270	1219760.200	1076585.400	1140001.800	1309693.100	3078936.500	1096935.400	929418.660
X		680964.950	664105.100	1188023.700	1048922.700	1111761.500	1277947.600	3020308.800	1074718.000	912491.200
?		22206.831	17926.012	28324.408	24791.765	24999.733	27775.171	52663.731	20052.890	15168.129
%RSD		3.261	2.699	2.384	2.364	2.249	2.173	1.744	1.866	1.662

Run	Time	208Pb	209Bi	232Th	238U
1	18:42:03	2269616.600	942019.220	5039986.600	5172595.200
2	18:43:12	2295117.000	948949.860	5055134.900	5213928.400
3	18:44:21	2354289.600	967526.550	5175754.900	5341218.500
X		2306341.100	952831.880	5090292.100	5242580.700
?		43438.071	13189.334	74399.501	87887.291
%RSD		1.883	1.384	1.462	1.676

Reviewed by: jaswal
On: 7/26/2012 11:43:57
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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:49:59	49995.143	9.375	264.065	1115.669	78189.957	1248.492	189.064	234.377	2293.934
2	18:51:07	51723.153	11.979	204.689	1253.180	77198.650	1273.494	187.501	214.064	2433.020
3	18:52:16	50235.045	8.854	193.751	1103.168	81934.291	2240.801	339.067	364.067	2486.154
X		50651.114	10.069	220.835	1157.339	79107.633	1587.596	238.544	270.836	2404.369
?		936.130	1.674	37.835	83.236	2497.633	565.830	87.059	81.377	99.261
%RSD		1.848	16.627	17.133	7.192	3.157	35.641	36.496	30.047	4.128

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:49:59	1934.506	1576.650	27585.984	231056.690	147087.710	20.313	676.579	175659.310	3.125
2	18:51:07	1900.126	1698.539	28498.710	231726.790	147082.980	14.063	667.203	179331.070	6.250
3	18:52:16	1812.615	1623.530	28442.348	231205.950	148053.870	20.313	725.018	177449.980	10.938
X		1882.416	1632.906	28175.681	231329.810	147408.190	18.229	689.600	177480.120	6.771
?		62.846	61.483	511.470	351.801	559.181	3.608	31.029	1836.066	3.932
%RSD		3.339	3.765	1.815	0.152	0.379	19.795	4.500	1.035	58.076

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:49:59	11057.403	646.890	3938.043	5884.024	471.883	88740.392	2706.506	45.313	54.688
2	18:51:07	10918.233	671.891	3728.612	5821.498	462.507	89782.812	2686.190	40.625	46.875
3	18:52:16	11027.692	673.453	3706.731	5665.186	500.009	89930.612	2836.219	78.125	46.875
X		11001.109	664.078	3791.128	5790.236	478.133	89484.605	2742.972	54.688	49.479
?		73.294	14.906	127.701	112.719	19.516	648.731	81.391	20.432	4.511
%RSD		0.666	2.245	3.368	1.947	4.082	0.725	2.967	37.362	9.116

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:49:59	160.938	92.188	143.751	171.355	29.688	29.688	415.110	21.875	32.292
2	18:51:07	150.001	89.063	126.563	136.980	50.000	50.000	419.277	28.125	31.250
3	18:52:16	181.251	62.500	159.376	157.813	51.563	51.563	403.131	25.521	24.479
X		164.063	81.250	143.230	155.383	43.750	43.750	412.506	25.174	29.340
?		15.858	16.313	16.413	17.316	12.204	12.204	8.382	3.139	4.242
%RSD		9.666	20.078	11.459	11.144	27.894	27.894	2.032	12.471	14.458

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	18:49:59	73.438	95.313	734.394	179.689	514.072	429.694	426.569	243.752	615.638
2	18:51:07	50.000	101.563	667.203	153.126	385.943	267.190	310.941	204.689	412.506
3	18:52:16	57.813	157.813	737.519	181.251	339.067	200.001	292.190	109.375	340.629
X		60.417	118.230	713.039	171.355	413.027	298.962	343.233	185.939	456.258
?		11.934	34.423	39.726	15.806	90.592	118.096	72.777	69.123	142.630
%RSD		19.753	29.115	5.571	9.224	21.934	39.502	21.203	37.175	31.261

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	18:49:59	3.125	435056.490	364.067	500.009	3.125	3.125	479.696	35.938	990.659
2	18:51:07	1.563	440415.430	375.005	503.134	6.250	6.250	459.382	18.750	753.145
3	18:52:16	1.563	436837.750	293.753	470.320	6.250	6.250	446.882	21.875	767.208
X		2.083	437436.560	344.275	491.154	5.208	5.208	461.987	25.521	837.004
?		0.902	2729.194	44.094	18.110	1.804	1.804	16.561	9.155	133.255
%RSD		43.301	0.624	12.808	3.687	34.641	34.641	3.585	35.874	15.920

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	18:49:59	2145.474	17.188	23.438	1026700.100	1086912.600	367.192	817.211	115.625	96.875
2	18:51:07	1507.892	12.500	17.188	1033085.100	1105024.500	367.192	768.771	110.938	100.000
3	18:52:16	1153.172	39.063	65.625	1026882.900	1090310.600	382.818	843.775	173.439	104.688
X		1602.179	22.917	35.417	1028889.400	1094082.600	372.401	809.919	133.334	100.521
?		502.825	14.178	26.347	3634.771	9627.098	9.021	38.030	34.811	3.932
%RSD		31.384	61.867	74.392	0.353	0.880	2.422	4.696	26.108	3.912

Run	Time	208Pb	209Bi	232Th	238U
1	18:49:59	215.627	963453.700	5396.332	492.196
2	18:51:07	246.877	974686.400	3566.070	345.317
3	18:52:16	300.003	963219.950	2678.376	360.942
X		254.169	967120.020	3880.259	399.485
?		42.658	6553.720	1385.950	80.669
%RSD		16.783	0.678	35.718	20.193

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:57:54	50056.294	7.813	140.626	1732.918	386497.590	30210.034	4425.685	5355.691	6975.140
2	18:59:03	52132.449	14.583	118.750	1968.886	396344.770	31909.034	4510.087	5560.457	7780.243
3	19:00:12	51622.791	9.375	132.813	1829.805	391979.910	31354.684	4425.685	5300.983	7705.202
X		51270.511	10.590	130.730	1843.869	391607.420	31157.917	4453.819	5405.711	7486.862
?		1081.980	3.545	11.085	118.611	4934.144	866.423	48.729	136.778	444.750
%RSD		2.110	33.476	8.480	6.433	1.260	2.781	1.094	2.530	5.940

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:57:54	2922.174	1423.508	27434.129	1405615.100	294265.450	679.704	12044.138	175233.810	21.875
2	18:59:03	3378.525	1496.953	28968.404	1481415.000	299768.740	648.452	12344.394	179930.720	29.688
3	19:00:12	3337.890	1504.767	28018.074	1479216.200	297318.320	729.706	12297.478	174999.720	32.813
X		3212.863	1475.076	28140.202	1455415.500	297117.510	685.954	12228.670	176721.420	28.125
?		252.563	44.830	774.394	43142.346	2757.133	40.986	161.522	2781.802	5.634
%RSD		7.861	3.039	2.752	2.964	0.928	5.975	1.321	1.574	20.031

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:57:54	34906.657	2373.635	11973.766	6226.357	4503.835	118297.150	3539.501	176.564	642.202
2	18:59:03	38462.646	2528.349	13296.810	6501.479	4843.008	122783.200	3658.281	164.063	779.709
3	19:00:12	40338.120	2656.497	13584.581	6354.538	4444.441	120172.080	3591.076	190.626	670.328
X		37902.475	2519.494	12951.719	6360.791	4597.095	120417.480	3596.286	177.084	697.413
?		2758.721	141.639	859.068	137.668	215.028	2253.071	59.561	13.289	72.644
%RSD		7.278	5.622	6.633	2.164	4.677	1.871	1.656	7.504	10.416

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:57:54	1317.248	589.075	2990.938	489.592	159.376	159.376	417.714	37.500	31.771
2	18:59:03	1365.690	695.329	3186.293	522.926	195.314	195.314	439.069	33.333	30.729
3	19:00:12	1278.182	582.824	2994.064	545.323	164.063	164.063	403.131	22.396	30.208
X		1320.374	622.409	3057.098	519.280	172.918	172.918	419.971	31.076	30.903
?		43.838	63.228	111.897	28.044	19.537	19.537	18.075	7.801	0.796
%RSD		3.320	10.159	3.660	5.401	11.298	11.298	4.304	25.102	2.574

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	18:57:54	260.940	2178.291	2368.946	557.823	1010.973	71.875	253.127	71.875	143.751
2	18:59:03	301.566	2250.177	2512.721	523.447	851.588	95.313	229.689	59.375	154.688
3	19:00:12	256.252	2204.858	2154.850	512.509	857.838	68.750	212.502	50.000	123.438
X		272.919	2211.109	2345.506	531.260	906.800	78.646	231.773	60.417	140.626
?		24.919	36.348	180.083	23.646	90.271	14.518	20.393	10.975	15.858
%RSD		9.131	1.644	7.678	4.451	9.955	18.460	8.799	18.165	11.277

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	18:57:54	1.563	432212.720	301.566	1750.107	6.250	6.250	1646.970	78.125	673.453
2	18:59:03	7.813	445931.080	350.004	1737.606	12.500	12.500	1598.527	93.750	635.952
3	19:00:12	4.688	434649.050	407.818	1675.098	7.813	7.813	1454.762	67.188	573.449
X		4.688	437597.610	353.129	1720.937	8.854	8.854	1566.753	79.688	627.618
?		3.125	7319.076	53.195	40.187	3.253	3.253	99.966	13.350	50.520
%RSD		66.667	1.673	15.064	2.335	36.735	36.735	6.380	16.753	8.050

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	18:57:54	459.382	301.566	526.572	1022508.700	1087385.700	1454.762	3498.866	1806.364	1575.087
2	18:59:03	400.006	348.442	537.510	1046199.200	1101306.300	887.528	2234.550	1859.496	1607.903
3	19:00:12	432.819	323.441	471.883	1025571.700	1083074.400	695.329	1628.218	1654.783	1495.391
X		430.736	324.483	511.988	1031426.500	1090588.800	1012.540	2453.878	1773.548	1559.460
?		29.743	23.455	35.160	12884.860	9528.668	394.848	954.416	106.229	57.861
%RSD		6.905	7.229	6.867	1.249	0.874	38.996	38.894	5.990	3.710

Run	Time	208Pb	209Bi	232Th	238U
1	18:57:54	3902.095	968109.430	406.256	373.442
2	18:59:03	3908.347	980868.440	451.570	426.569
3	19:00:12	3809.883	968769.170	498.446	450.007
X		3873.442	972582.350	452.091	416.673
?		55.132	7183.546	46.097	39.230
%RSD		1.423	0.739	10.197	9.415

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:05:51	49858.730	13.021	92.188	1648.533	302674.360	30900.571	4239.691	5199.383	7783.370
2	19:07:00	48891.332	19.271	100.000	1696.976	301081.860	30466.828	4366.292	5121.230	7639.542
3	19:08:09	49843.050	9.896	85.938	1757.921	304383.540	31536.333	4522.591	5213.451	7558.249
X		49531.037	14.063	92.709	1701.143	302713.260	30967.911	4376.191	5178.022	7660.387
?		554.056	4.774	7.046	54.813	1651.185	537.923	141.709	49.683	113.999
%RSD		1.119	33.945	7.600	3.222	0.545	1.737	3.238	0.960	1.488

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:05:51	2969.059	1307.872	27715.922	1416448.300	224635.170	632.827	11639.114	174764.050	18.750
2	19:07:00	3125.342	1412.570	27592.246	1424413.000	223010.000	645.327	11765.781	171833.510	37.500
3	19:08:09	3397.279	1464.138	27905.353	1460705.300	224547.870	639.077	11709.484	175138.910	25.000
X		3163.893	1394.860	27737.841	1433855.500	224064.350	639.077	11704.793	173912.160	27.083
?		216.698	79.624	157.700	23591.113	914.133	6.250	63.463	1809.894	9.547
%RSD		6.849	5.708	0.569	1.645	0.408	0.978	0.542	1.041	35.251

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:05:51	39526.481	2495.530	13661.216	6165.393	3153.473	118208.930	3476.986	73.438	504.696
2	19:07:00	41199.950	2545.539	14410.389	6121.624	3284.753	118664.240	3526.998	117.188	482.821
3	19:08:09	43273.253	2589.297	14975.032	6329.527	3187.856	120789.760	3412.908	120.313	539.073
X		41333.228	2543.456	14348.879	6205.514	3208.694	119220.970	3472.297	103.646	508.863
?		1876.938	46.918	659.064	109.605	68.075	1377.546	57.189	26.208	28.357
%RSD		4.541	1.845	4.593	1.766	2.122	1.155	1.647	25.286	5.573

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:05:51	1309.435	579.699	5790.236	508.342	176.564	176.564	396.360	32.813	30.208
2	19:07:00	1314.123	595.325	5913.724	543.240	153.126	153.126	385.943	26.042	26.563
3	19:08:09	1367.253	651.577	5976.250	566.678	218.752	218.752	379.172	32.292	31.250
X		1330.270	608.867	5893.403	539.420	182.814	182.814	387.158	30.382	29.340
?		32.114	37.804	94.657	29.355	33.256	33.256	8.658	3.768	2.461
%RSD		2.414	6.209	1.606	5.442	18.191	18.191	2.236	12.401	8.389

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	19:05:51	257.815	2084.527	1903.252	437.507	728.144	40.625	195.314	39.063	81.250
2	19:07:00	292.190	2043.896	1776.673	390.630	664.078	37.500	178.126	40.625	95.313
3	19:08:09	275.003	2073.588	1676.661	400.006	668.766	48.438	164.063	57.813	76.563
X		275.003	2067.337	1785.529	409.381	686.996	42.188	179.168	45.833	84.375
?		17.188	21.024	113.555	24.805	35.712	5.634	15.651	10.404	9.758
%RSD		6.250	1.017	6.360	6.059	5.198	13.354	8.736	22.699	11.565

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	19:05:51	3.125	430765.280	329.691	1045.351	9.375	9.375	970.345	189.064	534.385
2	19:07:00	4.688	428994.420	329.691	1057.852	20.313	20.313	1060.977	201.564	520.322
3	19:08:09	3.125	432884.160	328.129	1006.285	9.375	9.375	976.596	210.939	543.760
X		3.646	430881.290	329.170	1036.496	13.021	13.021	1002.639	200.522	532.822
?		0.902	1947.460	0.902	26.899	6.315	6.315	50.618	10.975	11.797
%RSD		24.744	0.452	0.274	2.595	48.497	48.497	5.049	5.473	2.214

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	19:05:51	285.940	253.127	495.321	1016527.000	1082628.400	390.630	1029.725	1653.221	1525.081
2	19:07:00	301.566	229.689	465.633	1010660.000	1073913.900	332.816	837.525	1692.288	1492.265
3	19:08:09	293.753	267.190	450.007	1019112.800	1081031.200	317.191	860.963	1754.795	1421.946
X		293.753	250.002	470.320	1015433.300	1079191.100	346.879	909.404	1700.101	1479.764
?		7.813	18.945	23.018	4331.228	4639.492	38.687	104.858	51.236	52.692
%RSD		2.660	7.578	4.894	0.427	0.430	11.153	11.530	3.014	3.561

Run	Time	208Pb	209Bi	232Th	238U
1	19:05:51	3531.687	966168.810	248.440	160.938
2	19:07:00	3541.064	956457.840	239.065	215.627
3	19:08:09	3637.963	965439.060	271.878	212.502
X		3570.238	962688.570	253.127	196.356
?		58.839	5408.293	16.901	30.712
%RSD		1.648	0.562	6.677	15.641

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:13:48	50492.199	7.813	67.188	1620.404	231485.420	25042.242	3358.207	4033.382	4464.760
2	19:14:57	49407.165	8.333	76.563	1704.789	231888.760	24881.023	3512.932	4261.573	4519.465
3	19:16:06	48999.514	8.333	57.813	1684.474	232201.590	24984.328	3448.854	4167.795	4691.395
X		49632.959	8.160	67.188	1669.889	231858.590	24969.198	3439.998	4154.250	4558.540
?		771.534	0.301	9.375	44.042	359.037	81.667	77.742	114.697	118.263
%RSD		1.554	3.685	13.954	2.637	0.155	0.327	2.260	2.761	2.594

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:13:48	2790.898	1379.754	27634.515	1280812.700	173592.080	481.258	7975.663	172608.390	12.500
2	19:14:57	2728.386	1276.620	27426.302	1301784.100	173109.720	487.508	7866.228	170878.400	17.188
3	19:16:06	3069.080	1482.890	27495.184	1320954.700	174076.040	506.259	7916.255	170467.290	15.625
X		2862.788	1379.754	27518.667	1301183.800	173592.610	491.675	7919.382	171318.030	15.104
?		181.368	103.135	106.074	20077.703	483.162	13.011	54.785	1136.237	2.387
%RSD		6.335	7.475	0.385	1.543	0.278	2.646	0.692	0.663	15.802

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:13:48	36949.285	1006.285	12503.907	5044.641	801.585	100234.790	3100.336	35.938	118.750
2	19:14:57	39448.140	1065.665	13202.973	4838.319	709.393	100418.890	2939.365	53.125	139.063
3	19:16:06	40325.585	1089.104	13725.340	4899.278	667.203	101732.820	2973.747	42.188	145.313
X		38907.670	1053.685	13144.074	4927.412	726.060	100795.500	3004.483	43.750	134.376
?		1751.837	42.689	612.843	105.999	68.724	816.948	84.773	8.700	13.888
%RSD		4.503	4.051	4.663	2.151	9.465	0.811	2.822	19.885	10.335

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:13:48	887.528	453.132	1017.224	460.424	173.439	173.439	375.005	19.271	28.646
2	19:14:57	953.157	471.883	1031.287	521.885	165.626	165.626	368.234	28.125	28.125
3	19:16:06	932.843	440.632	978.158	509.384	168.751	168.751	364.067	28.125	27.604
X		924.509	455.216	1008.890	497.231	169.272	169.272	369.102	25.174	28.125
?		33.599	15.729	27.527	32.483	3.932	3.932	5.520	5.112	0.521
%RSD		3.634	3.455	2.728	6.533	2.323	2.323	1.496	20.307	1.852

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	19:13:48	210.939	1529.769	1148.484	271.878	428.131	28.125	132.813	14.063	37.500
2	19:14:57	209.377	1570.399	1081.291	281.253	448.445	26.563	109.375	15.625	54.688
3	19:16:06	228.127	1590.714	1073.478	229.689	432.819	39.063	85.938	37.500	54.688
X		216.147	1563.627	1101.084	260.940	436.465	31.250	109.375	22.396	48.958
?		10.404	31.031	41.235	27.467	10.636	6.811	23.438	13.104	9.923
%RSD		4.813	1.985	3.745	10.526	2.437	21.795	21.429	58.510	20.269

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	19:13:48	6.250	425973.190	356.254	448.445	7.813	7.813	371.880	123.438	304.691
2	19:14:57	0.000	424883.640	295.316	414.069	10.938	10.938	301.566	110.938	279.690
3	19:16:06	6.250	425789.720	343.754	362.505	9.375	9.375	342.192	101.563	246.877
X		4.167	425548.850	331.775	408.339	9.375	9.375	338.546	111.980	277.086
?		3.608	583.345	32.187	43.255	1.563	1.563	35.299	10.975	28.995
%RSD		86.603	0.137	9.702	10.593	16.667	16.667	10.427	9.801	10.464

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	19:13:48	178.126	195.314	337.504	1013648.500	1072950.000	223.439	528.135	756.270	684.391
2	19:14:57	187.501	204.689	312.503	1009204.500	1070045.400	187.501	512.509	792.209	754.707
3	19:16:06	185.939	184.376	315.628	1004000.100	1065535.700	204.689	475.008	792.209	692.204
X		183.855	194.793	321.879	1008951.100	1069510.400	205.210	505.217	780.230	710.434
?		5.023	10.166	13.622	4829.219	3736.012	17.975	27.304	20.750	38.540
%RSD		2.732	5.219	4.232	0.479	0.349	8.759	5.404	2.659	5.425

Run	Time	208Pb	209Bi	232Th	238U
1	19:13:48	1682.912	962385.160	82.813	121.876
2	19:14:57	1682.912	960550.460	115.625	129.688
3	19:16:06	1682.912	952643.310	145.313	112.500
X		1682.912	958526.310	114.584	121.355
?		0.000	5176.757	31.263	8.606
%RSD		0.000	0.540	27.284	7.091

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:21:44	49236.264	8.333	84.375	1731.355	245203.650	24743.285	3656.718	4344.411	5014.943
2	19:22:53	50106.469	6.250	92.188	1746.982	249902.780	25413.209	3714.545	4350.662	5261.906
3	19:24:02	50638.026	6.250	70.313	1790.737	252427.850	26075.338	3656.718	4270.951	5213.451
X		49993.586	6.944	82.292	1756.358	249178.090	25410.611	3675.994	4322.008	5163.433
?		707.666	1.203	11.085	30.781	3666.217	666.031	33.387	44.327	130.859
%RSD		1.416	17.321	13.471	1.753	1.471	2.621	0.908	1.026	2.534

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:21:44	3184.730	1386.005	27185.217	1482428.100	183527.610	451.570	7573.882	170226.950	23.438
2	19:22:53	3416.033	1473.514	27892.829	1540216.800	185086.590	475.008	7992.860	173935.280	17.188
3	19:24:02	3069.080	1421.946	28448.611	1563226.300	186039.470	459.382	8049.142	176284.120	25.000
X		3223.281	1427.155	27842.219	1528623.700	184884.560	461.987	7871.962	173482.110	21.875
?		176.660	43.986	633.216	41627.952	1268.062	11.934	259.674	3053.908	4.134
%RSD		5.481	3.082	2.274	2.723	0.686	2.583	3.299	1.760	18.898

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:21:44	42231.079	1162.547	14252.419	5119.667	829.712	101012.110	3050.326	45.313	145.313
2	19:22:53	45086.661	1237.554	15467.744	5172.811	837.525	103144.460	3064.391	48.438	175.001
3	19:24:02	47543.043	1210.989	15827.513	5122.793	826.586	104102.930	3034.697	48.438	126.563
X		44953.594	1203.697	15182.559	5138.424	831.274	102753.170	3049.805	47.396	148.959
?		2658.481	38.031	825.366	29.821	5.634	1582.126	14.854	1.804	24.424
%RSD		5.914	3.160	5.436	0.580	0.678	1.540	0.487	3.807	16.396

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:21:44	896.903	467.195	1117.231	531.260	187.501	187.501	393.755	26.042	27.604
2	19:22:53	987.534	503.134	1059.414	558.344	193.751	193.751	353.650	28.125	19.271
3	19:24:02	1003.160	429.694	1182.862	558.344	221.877	221.877	376.047	34.375	25.521
X		962.533	466.674	1119.836	549.316	201.043	201.043	374.484	29.514	24.132
?		57.371	36.723	61.765	15.637	18.311	18.311	20.098	4.337	4.337
%RSD		5.960	7.869	5.516	2.847	9.108	9.108	5.367	14.694	17.971

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	19:21:44	235.939	1590.714	1379.754	285.940	440.632	32.813	109.375	34.375	46.875
2	19:22:53	256.252	1536.020	1200.050	251.565	473.445	31.250	85.938	29.688	40.625
3	19:24:02	201.564	1564.148	1137.545	239.065	489.071	26.563	112.500	29.688	34.375
X		231.252	1563.627	1239.117	258.857	467.716	30.208	102.605	31.250	40.625
?		27.644	27.350	125.741	24.274	24.723	3.253	14.518	2.706	6.250
%RSD		11.954	1.749	10.148	9.377	5.286	10.767	14.150	8.660	15.385

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	19:21:44	0.000	423071.660	290.628	232.814	3.125	3.125	210.939	73.438	293.753
2	19:22:53	3.125	432459.070	340.629	221.877	15.625	15.625	175.001	65.625	317.191
3	19:24:02	1.563	433781.070	301.566	162.501	14.063	14.063	206.251	85.938	262.502
X		1.563	429770.600	310.941	205.731	10.938	10.938	197.397	75.000	291.149
?		1.563	5838.983	26.286	37.835	6.811	6.811	19.537	10.246	27.437
%RSD		100.000	1.359	8.454	18.391	62.270	62.270	9.897	13.661	9.424

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	19:21:44	170.314	287.503	571.886	1003511.200	1067437.300	210.939	454.695	800.022	704.705
2	19:22:53	135.938	310.941	517.197	1020599.500	1083771.300	165.626	356.254	721.893	614.076
3	19:24:02	179.689	298.441	582.824	1028107.000	1085505.200	153.126	439.069	860.963	692.204
X		161.980	298.961	557.303	1017405.900	1078904.600	176.564	416.673	794.293	670.328
?		23.035	11.728	35.160	12605.067	9968.749	30.419	52.904	69.712	49.115
%RSD		14.221	3.923	6.309	1.239	0.924	17.228	12.697	8.777	7.327

Run	Time	208Pb	209Bi	232Th	238U
1	19:21:44	1798.551	951398.710	117.188	65.625
2	19:22:53	1773.548	966526.190	139.063	85.938
3	19:24:02	1679.786	971206.270	106.250	107.813
X		1750.628	963043.720	120.834	86.459
?		62.612	10352.804	16.707	21.099
%RSD		3.577	1.075	13.827	24.403

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Reviewed by: jaswal
On 7/26/2012 11:43:57 AM
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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:29:42	49683.119	7.813	68.750	1584.463	261113.130	28772.696	4028.693	4891.462	6356.101
2	19:30:51	49391.486	4.688	85.938	1736.043	261397.950	29170.377	4056.826	4864.891	6382.676
3	19:32:00	49269.190	4.688	59.375	1723.542	260856.950	28968.404	4049.011	4861.765	6421.756
X		49447.932	5.729	71.354	1681.349	261122.680	28970.492	4044.843	4872.706	6386.844
?		212.660	1.804	13.471	84.138	270.629	198.848	14.522	16.319	33.025
%RSD		0.430	31.492	18.880	5.004	0.104	0.686	0.359	0.335	0.517

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:29:42	3094.085	1281.308	27373.075	1463333.000	178861.170	464.070	8285.214	172899.380	18.750
2	19:30:51	3072.205	1331.312	27362.116	1483970.300	179796.230	445.319	8169.523	172277.870	20.313
3	19:32:00	3209.736	1381.317	27481.094	1497497.300	179751.930	501.571	8141.382	172099.180	17.188
X		3125.342	1331.312	27405.429	1481600.200	179469.780	470.320	8198.706	172425.480	18.750
?		73.901	50.005	65.757	17205.043	527.537	28.642	76.228	420.024	1.563
%RSD		2.365	3.756	0.240	1.161	0.294	6.090	0.930	0.244	8.333

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:29:42	42108.844	1764.171	14075.681	5693.322	1679.786	106146.010	3086.271	71.875	284.378
2	19:30:51	44818.632	1636.031	15176.807	5565.146	1878.249	106169.620	3186.293	84.375	243.752
3	19:32:00	46687.102	1595.402	15713.325	5602.661	1701.664	107225.900	3106.588	100.000	326.566
X		44538.193	1665.201	14988.604	5620.376	1753.233	106513.850	3126.384	85.417	284.899
?		2301.977	88.085	834.886	65.899	108.818	616.774	52.868	14.091	41.410
%RSD		5.169	5.290	5.570	1.172	6.207	0.579	1.691	16.497	14.535

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:29:42	1103.168	503.134	4564.792	536.468	214.064	214.064	368.234	28.125	31.250
2	19:30:51	1126.607	535.948	4788.302	572.928	195.314	195.314	381.776	30.729	29.688
3	19:32:00	1148.484	529.697	4619.497	582.304	201.564	201.564	378.130	25.521	23.438
X		1126.086	522.926	4657.530	563.900	203.647	203.647	376.047	28.125	28.125
?		22.663	17.423	116.508	24.215	9.547	9.547	7.007	2.604	4.134
%RSD		2.013	3.332	2.502	4.294	4.688	4.688	1.863	9.259	14.699

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	19:29:42	237.502	1517.268	1146.921	262.502	429.694	23.438	85.938	15.625	31.250
2	19:30:51	264.065	1753.233	1231.303	273.440	442.194	21.875	82.813	28.125	28.125
3	19:32:00	243.752	1818.866	1145.358	221.877	465.633	17.188	87.500	20.313	37.500
X		248.440	1696.456	1174.528	252.606	445.840	20.833	85.417	21.354	32.292
?		13.888	158.613	49.175	27.169	18.245	3.253	2.387	6.315	4.774
%RSD		5.590	9.350	4.187	10.755	4.092	15.613	2.794	29.572	14.783

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	19:29:42	1.563	424775.820	357.817	135.938	0.000	0.000	112.500	73.438	315.628
2	19:30:51	3.125	424824.100	342.192	150.001	6.250	6.250	90.625	65.625	350.004
3	19:32:00	1.563	428300.630	318.754	98.438	10.938	10.938	129.688	54.688	295.316
X		2.083	425966.850	339.587	128.126	5.729	5.729	110.938	64.583	320.316
?		0.902	2021.255	19.661	26.654	5.487	5.487	19.578	9.418	27.644
%RSD		43.301	0.475	5.790	20.803	95.779	95.779	17.648	14.583	8.630

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	19:29:42	132.813	178.126	298.441	1010993.400	1077096.900	192.189	407.818	1423.508	1254.743
2	19:30:51	134.376	171.876	292.190	1016682.900	1080263.700	121.876	373.442	1370.378	1089.104
3	19:32:00	115.625	171.876	346.879	1013258.200	1076640.900	171.876	309.378	1357.877	1182.862
X		127.605	173.959	312.503	1013644.800	1078000.500	161.980	363.546	1383.921	1175.569
?		10.404	3.608	29.934	2864.391	1973.223	36.186	49.961	34.849	83.060
%RSD		8.153	2.074	9.579	0.283	0.183	22.340	13.743	2.518	7.065

Run	Time	208Pb	209Bi	232Th	238U
1	19:29:42	2925.300	960677.330	92.188	53.125
2	19:30:51	2856.536	964328.630	118.750	39.063
3	19:32:00	2800.274	957405.780	95.313	67.188
X		2860.703	960803.910	102.084	53.125
?		62.617	3463.158	14.518	14.063
%RSD		2.189	0.360	14.222	26.471

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UserPre-dilution:1.00

Inst Id :P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:37:40	49219.017	6.250	2245.489	1646.970	114781430.000	67336.449	9332.735	11362.329	11795.493
2	19:38:49	48631.071	6.771	2264.242	1731.355	115953950.000	68663.053	9406.221	11349.819	12000.351
3	19:39:58	50804.240	9.375	2353.319	1750.107	117110030.000	69017.882	9600.100	11625.041	12106.690
X		49551.443	7.465	2287.683	1709.477	115948470.000	68339.128	9446.352	11445.730	11967.511
?		1124.075	1.674	57.610	54.939	1164306.500	886.285	138.126	155.414	158.177
%RSD		2.269	22.427	2.518	3.214	1.004	1.297	1.462	1.358	1.322

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:37:40	690595.190	1439.135	329602.710	1399630.700	427487.750	5676.127	94071.212	172462.900	50.000
2	19:38:49	708027.570	1378.192	334081.530	1424340.700	433273.830	5590.156	95568.602	171213.630	85.938
3	19:39:58	712901.860	1306.310	338412.960	1443655.200	433855.140	5629.234	95027.510	177590.780	103.125
X		703841.540	1374.545	334032.400	1422542.200	431538.910	5631.839	94889.108	173755.770	79.688
?		11727.702	66.488	4405.328	22067.290	3520.424	43.045	758.228	3379.443	27.109
%RSD		1.666	4.837	1.319	1.551	0.816	0.764	0.799	1.945	34.018

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:37:40	45575.709	2662.748	15447.410	6120.061	6454.583	115943.600	3814.572	207.814	1135.983
2	19:38:49	49858.730	2714.320	16936.596	6123.187	6601.525	118512.990	3930.228	235.939	1171.923
3	19:39:58	51618.087	2754.953	17341.769	6332.653	6574.950	119396.870	3833.327	278.128	1162.547
X		49017.509	2710.674	16575.258	6191.967	6543.686	117951.150	3859.376	240.627	1156.818
?		3107.784	46.211	997.534	121.848	78.301	1793.883	62.073	35.390	18.643
%RSD		6.340	1.705	6.018	1.968	1.197	1.521	1.608	14.708	1.612

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:37:40	1779.798	903.154	5537.010	654.703	234.377	234.377	368.234	34.896	27.083
2	19:38:49	1809.490	876.589	5644.865	708.351	248.440	248.440	376.567	29.688	18.750
3	19:39:58	1873.560	917.217	5615.166	717.206	209.377	209.377	396.360	35.938	24.479
X		1820.949	898.987	5599.014	693.420	230.731	230.731	380.387	33.507	23.438
?		47.920	20.632	55.712	33.821	19.785	19.785	14.447	3.348	4.263
%RSD		2.632	2.295	0.995	4.877	8.575	8.575	3.798	9.993	18.190

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	19:37:40	12044.138	106846.520	8127.311	1706.352	4114.655	1895.438	2687.753	1189.112	3089.397
2	19:38:49	12211.467	108869.520	6831.321	1507.892	3584.825	2015.767	2570.544	1268.806	3255.058
3	19:39:58	12508.599	108565.650	5604.224	1245.367	3215.987	1942.320	2447.085	1265.681	3387.902
X		12254.734	108093.890	6854.285	1486.537	3638.489	1951.175	2568.460	1241.200	3244.119
?		235.234	1090.894	1261.700	231.233	451.731	60.651	120.348	45.136	149.553
%RSD		1.920	1.009	18.407	15.555	12.415	3.108	4.686	3.637	4.610

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	19:37:40	9.375	410776.800	332.816	134.376	12.500	12.500	93.750	75.000	392.193
2	19:38:49	1.563	411202.860	328.129	110.938	31.250	31.250	85.938	87.500	379.693
3	19:39:58	1.563	423387.050	329.691	96.875	23.438	23.438	87.500	75.000	357.817
X		4.167	415122.240	330.212	114.063	22.396	22.396	89.063	79.167	376.567
?		4.511	7160.712	2.387	18.944	9.418	9.418	4.134	7.217	17.400
%RSD		108.253	1.725	0.723	16.609	42.054	42.054	4.642	9.116	4.621

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	19:37:40	125.001	2678.376	4816.437	1008670.300	1074193.100	165.626	398.443	2007.954	1681.349
2	19:38:49	125.001	2809.651	4782.050	1011062.000	1076684.700	143.751	337.504	2064.212	1803.239
3	19:39:58	145.313	2697.130	5094.658	1040276.800	1108032.100	123.438	365.630	1956.384	1759.483
X		131.771	2728.386	4897.715	1020003.000	1086303.300	144.272	367.192	2009.516	1748.024
?		11.728	71.000	171.422	17598.265	18858.897	21.099	30.500	53.931	61.748
%RSD		8.900	2.602	3.500	1.725	1.736	14.624	8.306	2.684	3.532

Run	Time	208Pb	209Bi	232Th	238U
1	19:37:40	4372.544	927999.460	214.064	178.126
2	19:38:49	4438.189	928107.730	209.377	182.814
3	19:39:58	4502.272	952988.680	175.001	198.439
X		4437.668	936365.290	199.481	186.460
?		64.865	14396.380	21.329	10.636
%RSD		1.462	1.537	10.692	5.704

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Inst Id :P6

D3486 -09 MH3BN2 07/25/2012 07:44:29 PM

User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:45:38	47804.852	69.271	3195.670	2007.954	327134070.000	3565020.900	517250.810	622620.810	1605634.300
2	19:46:47	47969.465	89.584	3161.287	1965.760	329152410.000	3586675.400	518002.310	618944.230	1610161.700
3	19:47:56	49634.513	77.604	3339.453	2145.474	329823800.000	3590803.100	519387.200	620121.810	1598123.600
X		48469.610	78.820	3232.137	2039.729	328703430.000	3580833.100	518213.440	620562.280	1604639.900
?		1012.188	10.211	94.515	93.976	1399944.200	13848.420	1083.731	1877.451	6080.329
%RSD		2.088	12.954	2.924	4.607	0.426	0.387	0.209	0.303	0.379

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:45:38	771530.000	7769.300	1256064.400	1530573.900	2563837.900	110305.470	1827916.100	171613.700	1073.478
2	19:46:47	775624.260	7681.752	1252247.000	1548900.300	2569874.800	110234.610	1849848.100	173446.580	1310.998
3	19:47:56	772535.330	7614.529	1255500.700	1571846.500	2576509.200	109707.140	1834666.100	176304.680	1359.440
X		773229.860	7688.527	1254604.000	1550440.200	2570074.000	110082.410	1837476.800	173788.320	1247.972
?		2133.668	77.607	2060.638	20679.334	6338.001	326.917	11232.880	2364.089	153.045
%RSD		0.276	1.009	0.164	1.334	0.247	0.297	0.611	1.360	12.263

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:45:38	45688.569	48780.015	18931.285	84304.271	139139.940	1443384.500	44400.141	5175.938	26225.613
2	19:46:47	45486.363	49142.191	18967.271	84951.840	138253.270	1457525.700	44945.593	5177.501	26566.867
3	19:47:56	45097.633	49255.079	18643.407	85028.858	138805.460	1455924.000	45033.368	5150.929	26474.509
X		45424.188	49059.095	18847.321	84761.656	138732.890	1452278.100	44793.034	5168.122	26422.330
?		300.334	248.193	177.509	397.975	447.768	7743.608	343.074	14.911	176.510
%RSD		0.661	0.506	0.942	0.470	0.323	0.533	0.766	0.289	0.668

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:45:38	48433.527	23574.122	181049.410	2154.850	303.128	303.128	608.346	133.334	21.354
2	19:46:47	49548.277	23735.326	182962.620	2111.093	323.441	323.441	616.680	145.834	32.292
3	19:47:56	49239.400	23419.180	182992.690	2079.318	326.566	326.566	625.535	150.001	21.354
X		49073.735	23576.210	182334.910	2115.087	317.712	317.712	616.854	143.056	25.000
?		575.544	158.083	1113.372	37.924	12.726	12.726	8.595	8.674	6.315
%RSD		1.173	0.671	0.611	1.793	4.006	4.006	1.393	6.063	25.259

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	19:45:38	210820.760	1884675.300	5510.438	1204.738	3386.339	2093.903	2656.497	1334.437	3572.322
2	19:46:47	212225.710	1901051.900	5319.740	1114.106	3195.670	2212.671	2740.888	1398.506	3683.287
3	19:47:56	212230.460	1890203.300	4667.950	1046.913	3040.949	2206.420	2570.544	1432.884	3602.017
X		211758.980	1891976.800	5166.043	1121.919	3207.652	2170.998	2655.976	1388.609	3619.209
?		812.524	8331.079	441.773	79.202	173.007	66.839	85.173	49.964	57.446
%RSD		0.384	0.440	8.551	7.060	5.394	3.079	3.207	3.598	1.587

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	19:45:38	4.688	403755.840	468.758	562.511	120.313	120.313	579.699	1803.239	15464.616
2	19:46:47	1.563	408047.090	493.759	578.137	120.313	120.313	531.260	1800.113	16529.870
3	19:47:56	1.563	415116.770	498.446	567.199	137.501	137.501	581.262	1803.239	15702.375
X		2.604	408973.230	486.987	569.282	126.042	126.042	564.074	1802.197	15898.954
?		1.804	5736.810	15.960	8.018	9.923	9.923	28.428	1.804	559.173
%RSD		69.282	1.403	3.277	1.409	7.873	7.873	5.040	0.100	3.517

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	19:45:38	1664.159	5416.652	9689.222	1015794.800	1089793.600	17992.574	43600.810	66502.870	57772.834
2	19:46:47	1726.667	5530.758	9614.172	1026659.900	1091002.800	17895.577	44000.470	68016.220	58723.573
3	19:47:56	1798.551	5430.720	9886.232	1047896.800	1114015.400	18256.971	44172.876	67066.433	57895.203
X		1729.792	5459.376	9729.875	1030117.200	1098270.600	18048.374	43924.718	67195.174	58130.537
?		67.250	62.217	140.512	16327.863	13648.794	187.047	293.460	764.845	517.217
%RSD		3.888	1.140	1.444	1.585	1.243	1.036	0.668	1.138	0.890

Run	Time	208Pb	209Bi	232Th	238U
1	19:45:38	144019.190	915981.710	1009.411	7870.918
2	19:46:47	144104.420	919924.940	1057.852	8019.438
3	19:47:56	143337.380	940235.390	1114.106	7952.213
X		143820.330	925380.680	1060.456	7947.523
?		420.409	13014.763	52.396	74.371
%RSD		0.292	1.406	4.941	0.936

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Reviewed by: jaswal
On 7/26/2012 11:43:57
Inst Id :P6

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:53:37	51640.041	6.771	2861.224	1626.655	292876570.000	3051592.800	443222.140	537856.810	8827.727
2	19:54:46	48370.815	5.208	2808.089	1626.655	282341890.000	2921922.400	417635.480	504304.740	8214.861
3	19:55:55	52941.667	7.813	2984.687	1765.734	301408380.000	3116382.200	451157.000	547776.380	8982.511
X		50984.174	6.597	2884.666	1673.015	292208950.000	3029965.800	437338.210	529979.310	8675.033
?		2354.951	1.311	90.603	80.297	9550766.300	99017.438	17518.235	22781.290	405.965
%RSD		4.619	19.868	3.141	4.800	3.268	3.268	4.006	4.299	4.680

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:53:37	714077.180	1387.567	1174172.500	1420438.700	638195.370	89554.825	1490398.400	181978.290	62.500
2	19:54:46	663701.870	1232.866	1095764.500	1376691.700	617491.140	85679.604	1417766.900	173141.340	59.375
3	19:55:55	723226.910	1432.884	1199645.200	1458399.000	652766.460	91356.806	1513690.500	187255.200	93.750
X		700335.320	1351.106	1156527.400	1418509.800	636150.990	88863.745	1473951.900	180791.610	71.875
?		32053.654	104.876	54141.592	40887.816	17726.299	2901.008	50031.993	7131.368	19.009
%RSD		4.577	7.762	4.681	2.882	2.786	3.265	3.394	3.945	26.447

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:53:37	33771.120	1959.509	11332.618	10003.501	34937.984	187893.190	13160.747	181.251	479.696
2	19:54:46	33896.416	1820.429	11295.089	9681.404	33445.355	180456.040	12486.705	139.063	454.695
3	19:55:55	35223.057	1897.001	11965.947	10076.990	35140.041	191230.790	13659.652	176.564	540.635
X		34296.864	1892.313	11531.218	9920.632	34507.793	186526.670	13102.368	165.626	491.675
?		804.549	69.659	376.954	210.410	925.628	5515.826	588.649	23.123	44.205
%RSD		2.346	3.681	3.269	2.121	2.682	2.957	4.493	13.961	8.991

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:53:37	1864.184	873.464	4106.840	671.891	193.751	193.751	398.964	37.500	32.292
2	19:54:46	1750.107	920.342	4077.144	679.183	228.127	228.127	402.610	44.792	29.688
3	19:55:55	1982.950	939.093	4156.855	691.683	226.564	226.564	418.235	41.667	29.167
X		1865.747	910.967	4113.613	680.919	216.147	216.147	406.603	41.320	30.382
?		116.429	33.804	40.285	10.010	19.411	19.411	10.237	3.658	1.674
%RSD		6.240	3.711	0.979	1.470	8.981	8.981	2.518	8.854	5.511

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	19:53:37	186462.120	1652095.300	2748.702	684.391	1598.527	971.908	1229.740	634.389	1482.890
2	19:54:46	180622.180	1610327.300	2506.470	537.510	1495.391	876.589	1214.114	643.765	1450.074
3	19:55:55	189210.400	1674775.300	2543.977	532.822	1340.688	984.409	1171.923	646.890	1678.224
X		185431.570	1645732.600	2599.716	584.908	1478.202	944.302	1205.259	641.681	1537.062
?		4385.877	32691.724	130.381	86.187	129.776	58.973	29.909	6.505	123.346
%RSD		2.365	1.986	5.015	14.735	8.779	6.245	2.481	1.014	8.025

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	19:53:37	1.563	424478.100	293.753	71.875	17.188	17.188	89.063	126.563	312.503
2	19:54:46	7.813	409585.500	317.191	67.188	10.938	10.938	53.125	84.375	304.691
3	19:55:55	3.125	430414.310	353.129	71.875	21.875	21.875	48.438	95.313	218.752
X		4.167	421492.640	321.358	70.313	16.667	16.667	63.542	102.084	278.649
?		3.253	10730.543	29.907	2.706	5.487	5.487	22.226	21.894	52.019
%RSD		78.062	2.546	9.306	3.849	32.924	32.924	34.978	21.447	18.668

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	19:53:37	167.188	2139.223	3614.520	1045171.700	1117299.800	118.750	301.566	959.407	829.712
2	19:54:46	156.251	2011.079	3445.728	1024180.100	1098308.500	95.313	267.190	1023.474	828.149
3	19:55:55	159.376	2100.154	3797.380	1065658.400	1137261.400	96.875	273.440	978.158	854.713
X		160.938	2083.485	3619.209	1045003.400	1117623.300	103.646	280.732	987.013	837.525
?		5.634	65.678	175.873	20739.681	19478.457	13.104	18.311	32.939	14.906
%RSD		3.501	3.152	4.859	1.985	1.743	12.643	6.523	3.337	1.780

Run	Time	208Pb	209Bi	232Th	238U
1	19:53:37	2115.782	941464.040	232.814	575.012
2	19:54:46	1951.696	927827.900	203.126	512.509
3	19:55:55	2079.839	950110.850	200.001	475.008
X		2049.106	939800.930	211.981	520.843
?		86.252	11234.184	18.110	50.520
%RSD		4.209	1.195	8.543	9.700

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User Pre-dilution: 1.00

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:01:36	53972.075	4.167	2643.995	1815.740	146816140.000	85846.225	11901.831	14821.747	13975.583
2	20:02:45	53035.765	6.771	2501.782	1768.860	143430680.000	84563.609	11840.843	14551.157	13579.889
3	20:03:54	51683.949	8.333	2717.446	1690.725	144082270.000	84126.666	11900.267	14324.365	13287.427
X		52897.263	6.424	2621.074	1758.442	144776360.000	84845.500	11880.980	14565.757	13614.299
?		1150.333	2.105	109.644	63.155	1796287.500	893.766	34.769	249.012	345.366
%RSD		2.175	32.769	4.183	3.592	1.241	1.053	0.293	1.710	2.537

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:01:36	770712.600	1442.260	473681.270	1536510.200	436565.550	12887.060	211600.910	185140.410	118.750
2	20:02:45	755197.270	1440.698	465174.090	1544333.900	433734.370	12422.586	210264.210	181968.800	68.750
3	20:03:54	750052.180	1390.693	456850.920	1554951.500	435615.320	12352.213	207121.930	181065.240	85.938
X		758654.020	1424.550	465235.420	1545265.200	435305.080	12553.953	209662.350	182724.810	91.146
?		10755.233	29.332	8415.342	9255.828	1440.863	290.617	2299.350	2140.194	25.404
%RSD		1.418	2.059	1.809	0.599	0.331	2.315	1.097	1.171	27.872

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:01:36	38497.114	2209.546	13160.747	6212.288	8948.114	120882.720	4641.379	115.625	501.571
2	20:02:45	41521.190	2057.961	13877.049	6302.953	8641.676	120536.060	4663.261	103.125	464.070
3	20:03:54	41945.866	2089.215	14518.311	6209.162	8590.082	118858.030	4481.953	125.001	503.134
X		40654.723	2118.907	13852.036	6241.467	8726.624	120092.270	4595.531	114.584	489.592
?		1880.571	80.036	679.128	53.271	193.543	1082.848	98.968	10.975	22.116
%RSD		4.626	3.777	4.903	0.853	2.218	0.902	2.154	9.578	4.517

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:01:36	1457.887	690.642	5568.273	697.413	248.440	248.440	393.235	41.146	25.000
2	20:02:45	1507.892	700.017	5286.916	723.977	229.689	229.689	404.693	43.229	23.438
3	20:03:54	1514.143	703.142	5496.370	714.601	234.377	234.377	390.630	41.667	20.313
X		1493.307	697.934	5450.519	711.997	237.502	237.502	396.186	42.014	22.917
?		30.834	6.506	146.175	13.472	9.758	9.758	7.482	1.084	2.387
%RSD		2.065	0.932	2.682	1.892	4.109	4.109	1.888	2.581	10.415

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	20:01:36	21824.471	195715.920	2320.501	501.571	2178.291	2486.154	2701.818	1579.775	3838.016
2	20:02:45	21971.571	192548.310	2012.642	512.509	2075.151	2354.882	2712.758	1482.890	3944.294
3	20:03:54	22056.076	191884.780	2053.273	464.070	2007.954	2229.862	2640.869	1448.511	3841.141
X		21950.706	193383.000	2128.805	492.717	2087.132	2356.966	2685.148	1503.725	3874.484
?		117.204	2047.423	167.252	25.405	85.798	128.159	38.735	68.067	60.478
%RSD		0.534	1.059	7.857	5.156	4.111	5.437	1.443	4.527	1.561

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	20:01:36	4.688	432108.060	339.067	81.250	7.813	7.813	57.813	93.750	398.443
2	20:02:45	3.125	429134.470	346.879	70.313	17.188	17.188	48.438	101.563	415.631
3	20:03:54	4.688	426415.790	351.567	85.938	18.750	18.750	51.563	109.375	381.255
X		4.167	429219.440	345.838	79.167	14.583	14.583	52.604	101.563	398.443
?		0.902	2847.083	6.315	8.018	5.916	5.916	4.774	7.813	17.188
%RSD		21.651	0.663	1.826	10.128	40.564	40.564	9.074	7.692	4.314

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	20:01:36	131.251	2883.103	5285.353	1055569.400	1123656.400	123.438	301.566	1928.255	1576.650
2	20:02:45	131.251	2762.767	5427.593	1052765.600	1129256.000	125.001	240.627	1867.310	1667.285
3	20:03:54	128.126	2872.164	5030.573	1058278.000	1124729.900	131.251	289.065	1859.496	1548.521
X		130.209	2839.345	5247.840	1055537.700	1125880.800	126.563	277.086	1885.020	1597.485
?		1.804	66.543	201.151	2756.309	2971.880	4.134	32.187	37.646	62.063
%RSD		1.386	2.344	3.833	0.261	0.264	3.266	11.616	1.997	3.885

Run	Time	208Pb	209Bi	232Th	238U
1	20:01:36	3914.599	964198.390	173.439	109.375
2	20:02:45	4045.885	962670.660	167.188	115.625
3	20:03:54	3852.082	958807.790	117.188	109.375
X		3937.522	961892.280	152.605	111.459
?		98.914	2778.319	30.831	3.608
%RSD		2.512	0.289	20.203	3.237

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:09:35	53031.060	5.208	2337.691	1640.719	136387920.000	87157.252	12012.861	14482.337	11692.283
2	20:10:44	53161.230	8.854	2429.894	1754.795	134958230.000	86218.771	12292.787	14735.721	10877.577
3	20:11:53	54034.811	8.854	2378.323	1636.031	138231720.000	87954.303	12189.573	14998.494	11368.584
X		53409.034	7.639	2381.969	1677.182	136525960.000	87110.109	12165.074	14738.851	11312.815
?		545.833	2.105	46.209	67.256	1641100.900	868.726	141.562	258.093	410.206
%RSD		1.022	27.555	1.940	4.010	1.202	0.997	1.164	1.751	3.626

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:09:35	681092.390	1436.010	408564.700	1516285.900	442880.530	8096.044	135801.800	181614.330	70.313
2	20:10:44	681046.530	1417.258	406362.580	1538189.800	442314.970	7935.016	135314.390	183049.660	71.875
3	20:11:53	696171.950	1490.703	416084.960	1562079.100	446759.490	8175.776	137614.330	185838.450	64.063
X		686103.620	1447.990	410337.410	1538851.600	443985.000	8068.945	136243.510	183500.810	68.750
?		8719.459	38.160	5097.845	22903.797	2419.362	122.647	1211.924	2147.894	4.134
%RSD		1.271	2.635	1.242	1.488	0.545	1.520	0.890	1.171	6.013

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:09:35	40311.483	17967.542	15356.687	14929.672	9636.061	260102.760	7433.183	537.510	6224.793
2	20:10:44	41735.877	18569.874	16159.134	14718.516	9848.706	261811.680	7386.284	528.135	6168.519
3	20:11:53	43224.669	18624.633	16966.319	14807.670	9829.943	263067.240	7644.232	589.075	6087.234
X		41757.343	18387.350	16160.713	14818.619	9771.570	261660.560	7487.900	551.573	6160.182
?		1456.712	364.594	804.817	106.003	117.729	1488.008	137.404	32.814	69.158
%RSD		3.489	1.983	4.980	0.715	1.205	0.569	1.835	5.949	1.123

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:09:35	2029.832	870.339	5177.501	685.954	207.814	207.814	404.693	39.063	24.479
2	20:10:44	2064.212	968.783	5160.307	659.911	214.064	214.064	398.443	29.167	26.042
3	20:11:53	2139.223	937.531	5047.767	691.163	212.502	212.502	367.192	39.063	28.646
X		2077.755	925.551	5128.525	679.009	211.460	211.460	390.110	35.764	26.389
?		55.939	50.303	70.465	16.743	3.253	3.253	20.091	5.713	2.105
%RSD		2.692	5.435	1.374	2.466	1.538	1.538	5.150	15.975	7.977

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	20:09:35	16493.891	143542.550	1496.953	367.192	2036.083	2536.163	2862.787	1742.294	4033.382
2	20:10:44	16202.934	143941.850	1396.943	276.565	1970.448	2672.125	2986.250	1611.028	4225.625
3	20:11:53	16151.313	145305.550	1307.872	340.629	2065.774	2568.981	2879.978	1576.650	4199.055
X		16282.712	144263.320	1400.590	328.129	2024.102	2592.423	2909.671	1643.324	4152.687
?		184.698	924.418	94.593	46.589	48.779	70.948	66.873	87.417	104.172
%RSD		1.134	0.641	6.754	14.198	2.410	2.737	2.298	5.320	2.509

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	20:09:35	1.563	433935.660	298.441	46.875	10.938	10.938	48.438	56.250	329.691
2	20:10:44	6.250	432819.750	282.815	62.500	6.250	6.250	45.313	67.188	387.505
3	20:11:53	1.563	440362.270	337.504	53.125	20.313	20.313	51.563	48.438	385.943
X		3.125	435705.890	306.253	54.167	12.500	12.500	48.438	57.292	367.713
?		2.706	4070.957	28.169	7.864	7.160	7.160	3.125	9.418	32.937
%RSD		86.603	0.934	9.198	14.519	57.282	57.282	6.452	16.439	8.957

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	20:09:35	90.625	2040.771	3612.957	1061892.900	1124194.900	95.313	243.752	2004.828	1717.291
2	20:10:44	70.313	2001.703	3525.435	1054786.500	1128717.400	71.875	273.440	2020.455	1632.906
3	20:11:53	121.876	2107.968	3627.023	1063160.300	1139758.500	93.750	223.439	2043.896	1592.276
X		94.271	2050.147	3588.472	1059946.600	1130890.300	86.979	246.877	2023.060	1647.491
?		25.974	53.750	55.042	4513.456	8006.104	13.104	25.146	19.664	63.771
%RSD		27.552	2.622	1.534	0.426	0.708	15.066	10.186	0.972	3.871

Run	Time	208Pb	209Bi	232Th	238U
1	20:09:35	4200.618	970000.200	109.375	85.938
2	20:10:44	4236.566	975336.400	129.688	85.938
3	20:11:53	4209.995	978047.010	150.001	85.938
X		4215.726	974461.200	129.688	85.938
?		18.647	4094.176	20.313	0.000
%RSD		0.442	0.420	15.663	0.000

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Reviewed by: jaswal
On 7/26/2012 11:43:57
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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:17:32	52315.931	62154.710	11817.386	1387.567	36361210.000	30380976.000	4330780.800	5219431.500	7859620.100
2	20:18:42	50752.494	60137.772	11720.431	1253.180	35802196.000	29850003.000	4236945.400	5108300.500	7691293.700
3	20:19:50	52595.078	62969.726	12306.861	1281.308	36863527.000	31019581.000	4446112.500	5361412.700	8092414.900
X		51887.834	61754.070	11948.226	1307.352	36342311.000	30416853.000	4337946.200	5229714.900	7881109.600
?		993.091	1457.867	314.348	70.878	530917.920	585613.830	104767.470	126869.050	201422.220
%RSD		1.914	2.361	2.631	5.422	1.461	1.925	2.415	2.426	2.556

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:17:32	95209.969	390639.240	65375.811	266532.150	18863259.000	91592.684	1522008.500	181348.480	49681.552
2	20:18:42	92866.494	378203.420	63194.152	259539.530	18595163.000	90207.349	1498572.100	179576.310	48745.523
3	20:19:50	96713.770	402643.860	66214.033	255969.730	19147776.000	92886.938	1544339.200	183639.980	50220.933
X		94930.078	390495.510	64927.999	260680.470	18868732.000	91562.324	1521639.900	181521.590	49549.336
?		1938.850	12220.852	1558.949	5372.846	276347.250	1340.053	22885.767	2037.359	746.538
%RSD		2.042	3.130	2.401	2.061	1.465	1.464	1.504	1.122	1.507

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:17:32	708990.810	661498.430	82914.925	2320593.600	1869620.000	39291152.000	1023071.900	812572.070	176458.120
2	20:18:42	687743.700	645616.350	81538.285	2265899.300	1824504.200	38118284.000	996918.060	793118.520	173220.420
3	20:19:50	716630.060	670119.420	83545.143	2362124.400	1905428.300	39688624.000	1036180.500	824262.530	180826.300
X		704454.860	659078.060	82666.118	2316205.800	1866517.500	39032686.000	1018723.500	809984.370	176834.950
?		14967.851	12429.552	1026.303	48262.354	40551.160	816452.570	19989.161	15732.431	3816.917
%RSD		2.125	1.886	1.242	2.084	2.173	2.092	1.962	1.942	2.158

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:17:32	878639.090	422247.820	285847.100	120407.910	7938.142	7938.142	25210.767	10685.245	27.083
2	20:18:42	861221.890	412675.680	282527.340	118236.240	7652.049	7652.049	24680.155	10446.005	31.250
3	20:19:50	898945.880	427503.850	289899.410	121864.450	7969.410	7969.410	25467.472	10890.608	30.729
X		879602.290	420809.110	286091.280	120169.530	7853.200	7853.200	25119.465	10673.953	29.688
?		18880.434	7518.050	3692.097	1825.816	174.902	174.902	401.521	222.516	2.270
%RSD		2.146	1.787	1.291	1.519	2.227	2.227	1.598	2.085	7.647

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	20:17:32	131336.900	1168850.600	757248.570	170193.740	427452.340	254005.450	322355.760	160324.300	415795.460
2	20:18:42	128814.090	1152686.600	752165.300	168898.820	426462.470	250971.270	316102.710	157470.950	409170.740
3	20:19:50	132844.500	1186027.100	780295.170	174381.290	439516.500	259806.820	326616.540	161585.270	422183.460
X		130998.500	1169188.100	763236.350	171157.950	431143.770	254927.850	321691.670	159793.510	415716.550
?		2036.403	16672.836	14990.410	2865.596	7267.868	4489.416	5288.280	2107.890	6506.718
%RSD		1.555	1.426	1.964	1.674	1.686	1.761	1.644	1.319	1.565

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	20:17:32	7.813	433576.560	20824.542	74751.311	13587.709	13587.709	94672.037	185707.070	508059.320
2	20:18:42	6.250	425297.240	20309.739	74047.661	13733.160	13733.160	71889.806	181720.350	505286.990
3	20:19:50	4.688	435726.450	21207.918	76433.615	13848.897	13848.897	72802.222	186845.200	515053.190
X		6.250	431533.420	20780.733	75077.529	13723.255	13723.255	79788.022	184757.540	509466.500
?		1.563	5506.623	450.689	1225.972	130.875	130.875	12898.006	2691.138	5032.874
%RSD		25.000	1.276	2.169	1.633	0.954	0.954	16.165	1.457	0.988

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	20:17:32	681035.060	672841.430	1192338.600	1049305.700	1119061.200	1289401.900	3084626.800	1098042.300	933918.700
2	20:18:42	683123.500	667159.010	1193515.400	1042616.600	1103794.000	1287879.500	3045139.300	1089539.300	924608.590
3	20:19:50	698624.960	674733.870	1209973.500	1065492.000	1127893.500	1310192.100	3104077.400	1101119.300	937291.710
X		687594.510	671578.100	1198609.200	1052471.400	1116916.200	1295824.500	3077947.800	1096233.600	931939.660
?		9609.552	3942.287	9859.344	11761.679	12192.076	12465.970	30031.323	5998.095	6569.078
%RSD		1.398	0.587	0.823	1.118	1.092	0.962	0.976	0.547	0.705

Run	Time	208Pb	209Bi	232Th	238U
1	20:17:32	2336489.900	966063.600	5187932.000	5397409.700
2	20:18:42	2337053.100	959759.220	5173693.900	5349827.500
3	20:19:50	2352625.700	965779.710	5207734.800	5370685.300
X		2342056.200	963867.510	5189786.900	5372640.800
?		9157.768	3560.716	17096.063	23851.286
%RSD		0.391	0.369	0.329	0.444

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:25:28	54731.205	9.375	242.190	1126.607	78656.570	1309.435	198.439	209.377	2601.799
2	20:26:37	50548.648	8.854	179.689	1050.039	79924.516	1110.981	140.626	201.564	2192.356
3	20:27:46	51981.902	11.979	189.064	1106.293	89125.591	2709.632	384.380	448.445	2570.544
X		52420.585	10.069	203.647	1094.313	82568.893	1710.016	241.148	286.462	2454.900
?		2125.506	1.674	33.706	39.665	5713.549	871.361	127.366	140.336	227.906
%RSD		4.055	16.627	16.551	3.625	6.920	50.956	52.817	48.989	9.284

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:25:28	2178.291	1759.483	28753.908	234407.490	144789.410	15.625	656.265	187690.550	12.500
2	20:26:37	1925.130	1611.028	27698.702	226417.670	143922.910	12.500	612.513	176722.300	7.813
3	20:27:46	1928.255	1686.037	27642.343	224579.620	145303.970	17.188	693.767	179718.700	10.938
X		2010.559	1685.516	28031.651	228468.260	144672.100	15.104	654.182	181377.180	10.417
?		145.269	74.229	626.128	5224.985	697.965	2.387	40.667	5669.088	2.387
%RSD		7.225	4.404	2.234	2.287	0.482	15.802	6.216	3.126	22.913

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:25:28	11471.792	696.892	3922.413	5699.574	428.131	92265.745	2797.149	67.188	45.313
2	20:26:37	11151.226	635.952	3942.732	5432.283	401.568	86899.439	2631.492	60.938	42.188
3	20:27:46	11334.182	614.076	3761.433	5388.516	535.948	89329.987	2714.320	93.750	50.000
X		11319.066	648.973	3875.526	5506.791	455.216	89498.390	2714.321	73.959	45.833
?		160.817	42.916	99.329	168.383	71.166	2687.114	82.828	17.423	3.932
%RSD		1.421	6.613	2.563	3.058	15.634	3.002	3.052	23.557	8.579

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:25:28	170.314	70.313	142.188	153.647	56.250	56.250	431.777	29.167	26.563
2	20:26:37	140.626	75.000	160.938	158.855	42.188	42.188	379.693	23.958	22.917
3	20:27:46	217.189	93.750	134.376	157.293	31.250	31.250	394.797	26.042	28.125
X		176.043	79.688	145.834	156.598	43.229	43.229	402.089	26.389	25.868
?		38.602	12.402	13.652	2.673	12.533	12.533	26.797	2.621	2.673
%RSD		21.928	15.563	9.361	1.707	28.991	28.991	6.664	9.934	10.332

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	20:25:28	35.938	92.188	831.274	182.814	487.508	439.069	487.508	312.503	621.889
2	20:26:37	46.875	125.001	756.270	162.501	439.069	290.628	359.380	118.750	431.257
3	20:27:46	42.188	207.814	662.515	154.688	373.442	206.251	320.316	131.251	362.505
X		41.667	141.667	750.020	166.668	433.340	311.983	389.068	187.502	471.883
?		5.487	59.588	84.553	14.518	57.248	117.869	87.461	108.435	134.380
%RSD		13.170	42.062	11.273	8.711	13.211	37.781	22.480	57.832	28.477

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	20:25:28	0.000	458250.950	357.817	414.069	1.563	1.563	346.879	23.438	1070.353
2	20:26:37	4.688	438197.200	284.378	365.630	3.125	3.125	340.629	32.813	720.331
3	20:27:46	4.688	446803.010	345.317	351.567	10.938	10.938	382.818	40.625	684.391
X		3.125	447750.390	329.171	377.088	5.208	5.208	356.775	32.292	825.025
?		2.706	10060.390	39.292	32.789	5.023	5.023	22.769	8.606	213.219
%RSD		86.603	2.247	11.937	8.695	96.437	96.437	6.382	26.650	25.844

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	20:25:28	2329.878	15.625	32.813	1069719.100	1134217.500	339.067	776.584	103.125	114.063
2	20:26:37	1551.647	10.938	39.063	1047023.600	1107742.100	325.004	720.331	117.188	82.813
3	20:27:46	1178.174	23.438	70.313	1058924.900	1125047.300	401.568	896.903	175.001	150.001
X		1686.566	16.667	47.396	1058555.900	1122335.600	355.213	797.939	131.771	115.625
?		587.586	6.315	20.091	11352.262	13444.372	40.756	90.203	38.092	33.621
%RSD		34.839	37.889	42.390	1.072	1.198	11.474	11.304	28.908	29.078

Run	Time	208Pb	209Bi	232Th	238U
1	20:25:28	221.877	1003929.800	5763.663	479.696
2	20:26:37	220.314	984576.570	3859.896	303.128
3	20:27:46	364.067	996350.770	2748.702	448.445
X		268.753	994952.370	4124.087	410.423
?		82.548	9752.085	1524.744	94.224
%RSD		30.715	0.980	36.972	22.958

Reviewed by: jaswal
On 7/26/2012 11:43:57 AM
Inst Id :P6

D3486-13 MH3BN6 07/25/2012 08:32:16 PM

User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:33:25	51420.501	15.625	4002.123	1618.842	772333420.000	6855114.600	1001755.100	1206795.800	6857.896
2	20:34:34	49267.622	9.896	3719.234	1517.268	750921640.000	6614389.700	952464.790	1147945.400	6618.720
3	20:35:43	52105.790	17.708	3933.354	1639.157	786032370.000	6988995.100	1012936.500	1219626.000	6853.206
X		50931.304	14.410	3884.904	1591.755	769762480.000	6819499.800	989052.140	1191455.700	6776.607
?		1480.974	4.046	147.537	65.303	17695992.000	189825.230	32175.018	38223.220	136.754
%RSD		2.908	28.075	3.798	4.103	2.299	2.784	3.253	3.208	2.018

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:33:25	615077.800	1503.204	3754957.500	1469951.000	1470699.000	498098.860	8236843.600	179145.950	87.500
2	20:34:34	584014.040	1384.442	3572545.500	1445100.300	1425975.100	482951.210	8012944.500	173112.880	68.750
3	20:35:43	625960.540	1507.892	3817975.500	1543174.400	1493107.500	506325.940	8417041.600	181413.360	62.500
X		608350.800	1465.179	3715159.500	1486075.200	1463260.500	495792.000	8222276.600	177890.730	72.917
?		21767.334	69.960	127463.260	50986.507	34178.765	11856.886	202442.000	4290.244	13.010
%RSD		3.578	4.775	3.431	3.431	2.336	2.392	2.462	2.412	17.843

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:33:25	24391.117	1223.490	8211.735	6071.603	146879.340	139367.140	50362.053	603.138	868.776
2	20:34:34	23768.194	1207.864	7880.298	5938.734	143127.480	136962.800	47438.007	523.447	837.525
3	20:35:43	24351.988	1275.057	8031.945	6165.393	150703.230	141926.530	51522.430	625.014	837.525
X		24170.433	1235.470	8041.326	6058.576	146903.350	139418.820	49774.163	583.866	847.942
?		348.899	35.162	165.917	113.889	3787.932	2482.266	2104.718	53.455	18.043
%RSD		1.443	2.846	2.063	1.880	2.579	1.780	4.229	9.155	2.128

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:33:25	2806.526	1293.809	4613.245	903.674	218.752	218.752	398.964	42.708	31.250
2	20:34:34	2737.762	1445.386	4755.479	924.509	193.751	193.751	401.047	60.417	35.417
3	20:35:43	3011.255	1407.882	4835.193	960.970	251.565	251.565	430.215	53.646	29.688
X		2851.848	1382.359	4734.639	929.718	221.356	221.356	410.075	52.257	32.118
?		142.268	78.946	112.432	29.001	28.995	28.995	17.472	8.936	2.962
%RSD		4.989	5.711	2.375	3.119	13.099	13.099	4.261	17.099	9.221

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	20:33:25	659048.370	5829224.600	17843.950	3827.075	7670.809	1801.676	3111.276	1048.476	3047.200
2	20:34:34	642816.090	5681673.100	11801.748	2554.916	5429.157	1792.300	2737.762	1178.174	2867.475
3	20:35:43	663615.170	5888990.700	9349.934	2022.018	4602.304	1920.442	2447.085	1220.365	3105.025
X		655159.880	5799962.800	12998.544	2801.336	5900.756	1838.139	2765.374	1149.005	3006.567
?		10931.181	106711.460	4371.649	927.416	1587.683	71.430	332.956	89.580	123.878
%RSD		1.668	1.840	33.632	33.106	26.906	3.886	12.040	7.796	4.120

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	20:33:25	1.563	405342.010	428.131	1059.414	60.938	60.938	978.158	84.375	642.202
2	20:34:34	1.563	394464.090	401.568	1007.848	35.938	35.938	925.030	85.938	507.822
3	20:35:43	3.125	409739.830	370.317	1012.536	32.813	32.813	898.466	67.188	431.257
X		2.083	403181.980	400.006	1026.599	43.229	43.229	933.885	79.167	527.093
?		0.902	7863.613	28.939	28.515	15.415	15.415	40.578	10.404	106.785
%RSD		43.301	1.950	7.235	2.778	35.659	35.659	4.345	13.141	20.259

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	20:33:25	489.071	1337.563	2429.894	1033393.800	1102885.500	1315.686	3076.894	892.215	723.456
2	20:34:34	503.134	1353.189	2533.037	1022659.600	1094516.200	862.526	1989.201	810.961	731.269
3	20:35:43	482.821	1421.946	2450.210	1047900.100	1117782.300	510.947	1378.192	792.209	615.638
X		491.675	1370.899	2471.047	1034651.200	1105061.400	896.386	2148.095	831.795	690.121
?		10.404	44.893	54.637	12667.188	11784.672	403.437	860.426	53.159	64.622
%RSD		2.116	3.275	2.211	1.224	1.066	45.007	40.055	6.391	9.364

Run	Time	208Pb	209Bi	232Th	238U
1	20:33:25	1748.545	902816.390	1761.046	2265.805
2	20:34:34	1789.175	894280.350	1457.887	2164.226
3	20:35:43	1715.728	909911.620	1318.811	2218.922
X		1751.149	902336.120	1512.581	2216.318
?		36.792	7826.695	226.134	50.839
%RSD		2.101	0.867	14.950	2.294

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Reviewed by jaswal
On 7/26/2012 11:43:57
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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:41:22	48585.604	11.979	1875.123	1695.413	248858780.000	162577.680	22777.519	26767.241	6428.008
2	20:42:31	48309.671	14.063	1887.625	1601.652	250097250.000	162192.080	22766.564	27717.488	6295.137
3	20:43:39	49242.535	11.458	1948.570	1686.037	253653310.000	163519.590	22955.929	27690.874	6257.620
X		48712.604	12.500	1903.773	1661.034	250869780.000	162763.120	22833.338	27391.868	6326.922
?		479.224	1.378	39.296	51.639	2488874.000	682.904	106.309	541.106	89.531
%RSD		0.984	11.024	2.064	3.109	0.992	0.420	0.466	1.975	1.415

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:41:22	656714.820	1287.558	912537.030	1449712.500	563254.920	54842.568	910068.000	170791.440	82.813
2	20:42:31	657839.850	1293.809	920379.420	1474954.400	565060.090	55537.432	919645.270	169461.680	75.000
3	20:43:39	661120.590	1270.369	930769.690	1502077.200	571609.960	55091.962	922362.320	171229.440	59.375
X		658558.420	1283.912	921228.710	1475581.300	566641.660	55157.321	917358.530	170494.190	72.396
?		2289.095	12.138	9145.955	26187.981	4396.331	352.013	6458.284	920.608	11.934
%RSD		0.348	0.945	0.993	1.775	0.776	0.638	0.704	0.540	16.484

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:41:22	28248.214	1695.413	9637.625	22365.932	15581.931	392582.050	14618.413	143.751	520.322
2	20:42:31	30338.431	1671.973	10566.406	22372.192	15702.375	390274.790	14981.289	115.625	539.073
3	20:43:39	32002.994	1776.673	10658.662	21826.035	15200.270	396158.460	15145.524	107.813	528.135
X		30196.546	1714.686	10287.564	22188.053	15494.859	393005.100	14915.075	122.396	529.176
?		1881.407	54.947	564.751	313.532	262.133	2964.559	269.722	18.901	9.419
%RSD		6.231	3.204	5.490	1.413	1.692	0.754	1.808	15.443	1.780

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:41:22	1600.090	785.959	2418.955	615.638	195.314	195.314	359.900	31.250	23.438
2	20:42:31	1542.271	717.206	2443.959	647.931	215.627	215.627	364.588	30.208	33.854
3	20:43:39	1542.271	706.267	2550.228	630.222	240.627	240.627	353.129	30.208	26.563
X		1561.544	736.477	2471.047	631.264	217.189	217.189	359.206	30.556	27.951
?		33.382	43.200	69.703	16.172	22.697	22.697	5.761	0.601	5.345
%RSD		2.138	5.866	2.821	2.562	10.450	10.450	1.604	1.968	19.124

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	20:41:22	74072.791	666830.110	3434.788	823.461	2737.762	2661.185	3097.211	1628.218	4285.018
2	20:42:31	74572.254	665553.870	3133.156	707.830	2742.451	2812.777	3197.233	1661.034	4410.056
3	20:43:39	75115.715	668844.520	2900.294	634.389	2683.064	2698.692	3120.653	1809.490	4435.063
X		74586.920	667076.170	3156.079	721.893	2721.093	2724.218	3138.366	1699.581	4376.712
?		521.617	1659.068	267.983	95.317	33.017	78.954	52.311	96.588	80.388
%RSD		0.699	0.249	8.491	13.204	1.213	2.898	1.667	5.683	1.837

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	20:41:22	6.250	406417.230	326.566	754.707	7.813	7.813	718.768	70.313	470.320
2	20:42:31	9.375	407195.170	307.816	742.207	12.500	12.500	712.518	75.000	432.819
3	20:43:39	9.375	406920.310	289.065	657.828	17.188	17.188	643.765	65.625	398.443
X		8.333	406844.240	307.816	718.247	12.500	12.500	691.683	70.313	433.861
?		1.804	394.510	18.750	52.697	4.688	4.688	41.617	4.688	35.950
%RSD		21.651	0.097	6.091	7.337	37.500	37.500	6.017	6.667	8.286

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	20:41:22	257.815	2075.151	3536.375	1028730.900	1103167.000	382.818	926.593	1246.929	982.846
2	20:42:31	314.066	2097.029	3592.639	1036967.500	1103549.600	284.378	809.398	1239.116	1026.599
3	20:43:39	229.689	2093.903	3498.866	1029651.600	1098012.000	282.815	685.954	1267.244	1096.917
X		267.190	2088.694	3542.627	1031783.300	1101576.200	316.670	807.315	1251.097	1035.454
?		42.962	11.833	47.198	4513.138	3092.621	57.291	120.333	14.519	57.549
%RSD		16.079	0.567	1.332	0.437	0.281	18.092	14.905	1.161	5.558

Run	Time	208Pb	209Bi	232Th	238U
1	20:41:22	2468.963	936506.710	435.944	232.814
2	20:42:31	2650.246	937358.370	440.632	293.753
3	20:43:39	2562.730	938783.480	453.132	217.189
X		2560.646	937549.520	443.236	247.919
?		90.659	1150.355	8.885	40.455
%RSD		3.540	0.123	2.005	16.318

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:49:19	47215.397	7.292	1704.789	1434.447	224383490.000	131329.020	18181.875	21797.867	5916.850
2	20:50:28	46234.070	7.813	1575.087	1493.828	224080300.000	129897.270	18033.250	21448.902	5840.256
3	20:51:37	47461.523	10.417	1673.536	1415.695	223797300.000	129137.300	17795.452	21766.570	5871.519
X		46970.330	8.507	1651.137	1447.990	224087030.000	130121.200	18003.526	21671.113	5876.208
?		649.387	1.674	67.690	40.789	293151.200	1112.887	194.919	193.075	38.512
%RSD		1.383	19.681	4.100	2.817	0.131	0.855	1.083	0.891	0.655

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:49:19	586275.780	1373.504	824606.550	937316.710	506897.240	49742.701	818132.600	167928.100	60.938
2	20:50:28	569257.850	1278.182	807180.500	948130.890	504447.140	48477.425	803571.250	166252.420	42.188
3	20:51:37	578011.540	1271.932	801965.960	944198.450	503443.910	48665.563	806162.880	166010.570	76.563
X		577848.390	1307.872	811251.000	943215.350	504929.430	48961.897	809288.910	166730.370	59.896
?		8510.142	56.924	11856.472	5473.710	1776.463	682.708	7767.706	1044.295	17.211
%RSD		1.473	4.352	1.462	0.580	0.352	1.394	0.960	0.626	28.735

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:49:19	22395.666	1176.611	7558.249	19491.413	13631.501	352252.470	13470.410	190.626	310.941
2	20:50:28	22556.857	1057.852	7641.106	19738.627	13664.344	345416.690	13227.996	173.439	298.441
3	20:51:37	22951.234	1042.226	7913.129	19253.591	13506.382	348939.830	13263.967	153.126	295.316
X		22634.586	1092.229	7704.161	19494.544	13600.742	348869.660	13320.791	172.397	301.566
?		285.824	73.493	185.653	242.533	83.352	3418.433	130.816	18.772	8.268
%RSD		1.263	6.729	2.410	1.244	0.613	0.980	0.982	10.889	2.742

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:49:19	1192.237	573.449	2297.060	486.467	139.063	139.063	353.129	32.813	22.917
2	20:50:28	1137.545	525.010	2333.003	455.216	143.751	143.751	358.338	25.521	28.646
3	20:51:37	1164.110	501.571	2226.736	443.236	159.376	159.376	354.692	26.042	34.375
X		1164.631	533.343	2285.600	461.639	147.397	147.397	355.386	28.125	28.646
?		27.350	36.656	54.052	22.320	10.636	10.636	2.673	4.068	5.729
%RSD		2.348	6.873	2.365	4.835	7.216	7.216	0.752	14.463	20.000

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	20:49:19	67385.115	597431.810	2184.542	479.696	2139.223	2373.635	2722.134	1417.258	3936.480
2	20:50:28	66898.461	594039.990	2039.208	496.884	2153.287	2472.089	2765.893	1539.145	3877.089
3	20:51:37	67206.150	597871.520	1942.320	464.070	2022.018	2503.344	2797.149	1606.340	4028.693
X		67163.242	596447.770	2055.357	480.216	2104.843	2449.689	2761.725	1520.915	3947.420
?		246.148	2096.764	121.916	16.413	72.072	67.694	37.680	95.851	76.392
%RSD		0.366	0.352	5.932	3.418	3.424	2.763	1.364	6.302	1.935

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	20:49:19	0.000	402105.570	320.316	260.940	6.250	6.250	228.127	42.188	300.003
2	20:50:28	3.125	399946.210	301.566	251.565	9.375	9.375	257.815	45.313	295.316
3	20:51:37	10.938	405104.150	310.941	207.814	6.250	6.250	215.627	25.000	279.690
X		4.688	402385.310	310.941	240.106	7.292	7.292	233.856	37.500	291.670
?		5.634	2590.326	9.375	28.356	1.804	1.804	21.670	10.938	10.636
%RSD		120.185	0.644	3.015	11.810	24.744	24.744	9.266	29.167	3.647

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	20:49:19	164.063	1790.737	3208.173	1025372.100	1090743.400	210.939	535.948	776.584	659.390
2	20:50:28	176.564	1745.419	3125.342	1022914.400	1093517.300	187.501	448.445	828.149	667.203
3	20:51:37	170.314	1689.162	3212.861	1034534.600	1101208.600	160.938	434.382	723.456	595.325
X		170.314	1741.773	3182.125	1027607.000	1095156.500	186.460	472.925	776.063	640.639
?		6.250	50.886	49.232	6124.006	5421.714	25.017	55.031	52.349	39.437
%RSD		3.670	2.921	1.547	0.596	0.495	13.417	11.636	6.745	6.156

Run	Time	208Pb	209Bi	232Th	238U
1	20:49:19	1720.416	941007.240	275.003	142.188
2	20:50:28	1792.300	941577.410	248.440	170.314
3	20:51:37	1704.789	944385.210	235.939	154.688
X		1739.168	942323.290	253.127	155.730
?		46.672	1808.291	19.949	14.092
%RSD		2.684	0.192	7.881	9.049

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:57:17	47031.981	5.208	460.945	1140.670	51340614.000	34458.696	4735.160	5540.137	3528.561
2	20:58:27	51282.506	6.771	507.822	1301.622	54174003.000	36841.193	5154.055	6191.967	3827.075
3	20:59:35	47212.261	4.688	435.944	1132.857	51402536.000	34643.518	4828.941	5535.447	3384.776
X		48508.916	5.556	468.237	1191.717	52305718.000	35314.469	4906.052	5755.850	3580.137
?		2403.691	1.084	36.489	95.261	1618278.800	1325.407	219.836	377.695	225.615
%RSD		4.955	19.516	7.793	7.994	3.094	3.753	4.481	6.562	6.302

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:57:17	133615.700	1459.450	202419.300	496237.290	226746.250	11071.476	186447.870	168701.190	28.125
2	20:58:27	144296.970	1570.399	218038.830	524278.270	233483.160	12064.467	198866.800	180057.300	21.875
3	20:59:35	134341.210	1450.074	203002.490	502720.660	227133.580	10868.195	186918.020	167123.440	29.688
X		137417.960	1493.307	207820.210	507745.410	229121.000	11334.713	190744.230	171960.640	26.563
?		5968.431	66.928	8854.392	14680.266	3782.704	640.107	7038.278	7056.149	4.134
%RSD		4.343	4.482	4.261	2.891	1.651	5.647	3.690	4.103	15.563

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:57:17	15115.805	875.027	5357.254	8347.751	3542.627	148121.750	4916.471	64.063	135.938
2	20:58:27	15326.968	851.588	5274.411	9362.442	3678.599	155821.770	5558.894	60.938	128.126
3	20:59:35	15042.290	746.895	5060.271	8662.000	3587.951	146451.540	4930.538	54.688	148.438
X		15161.688	824.503	5230.646	8790.731	3603.059	150131.690	5135.301	59.896	137.501
?		147.781	68.225	153.253	519.450	69.233	4998.016	366.910	4.774	10.246
%RSD		0.975	8.275	2.930	5.909	1.922	3.329	7.145	7.970	7.452

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:57:17	431.257	231.252	687.517	261.982	85.938	85.938	401.047	22.396	25.000
2	20:58:27	439.069	217.189	784.397	236.460	82.813	82.813	419.277	32.813	28.125
3	20:59:35	495.321	248.440	642.202	254.690	106.250	106.250	364.588	24.479	34.375
X		455.216	232.294	704.705	251.044	91.667	91.667	394.971	26.563	29.167
?		34.951	15.651	72.639	13.145	12.726	12.726	27.846	5.512	4.774
%RSD		7.678	6.738	10.308	5.236	13.883	13.883	7.050	20.751	16.366

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	20:57:17	15229.989	134770.220	567.199	117.188	585.950	540.635	632.827	337.504	929.718
2	20:58:27	16476.684	141557.260	570.324	101.563	564.074	587.512	696.892	429.694	1064.102
3	20:59:35	15586.623	136252.940	512.509	115.625	518.759	567.199	609.388	435.944	889.090
X		15764.432	137526.810	550.011	111.459	556.261	565.115	646.369	401.047	960.970
?		642.086	3568.339	32.515	8.606	34.270	23.508	45.297	55.119	91.596
%RSD		4.073	2.595	5.912	7.721	6.161	4.160	7.008	13.744	9.532

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	20:57:17	4.688	412595.280	300.003	103.125	6.250	6.250	87.500	20.313	209.377
2	20:58:27	6.250	433291.540	314.066	118.750	7.813	7.813	95.313	39.063	207.814
3	20:59:35	3.125	413579.380	289.065	107.813	3.125	3.125	101.563	34.375	207.814
X		4.688	419822.070	301.045	109.896	5.729	5.729	94.792	31.250	208.335
?		1.563	11675.282	12.533	8.018	2.387	2.387	7.046	9.758	0.902
%RSD		33.333	2.781	4.163	7.296	41.660	41.660	7.433	31.225	0.433

Run	Time	121Sb	136Ba	137Ba	169Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	20:57:17	184.376	432.819	748.457	1022951.200	1096510.800	145.313	337.504	376.567	314.066
2	20:58:27	128.126	414.069	720.331	1066702.500	1140466.500	120.313	292.190	429.694	296.878
3	20:59:35	140.626	428.131	662.515	1035677.100	1102280.500	132.813	332.816	342.192	331.254
X		151.042	425.006	710.434	1041777.000	1113085.900	132.813	320.837	382.818	314.066
?		29.537	9.758	43.817	22504.423	23887.104	12.500	24.919	44.085	17.188
%RSD		19.555	2.296	6.168	2.160	2.146	9.412	7.767	11.516	5.473

Run	Time	208Pb	209Bi	232Th	238U
1	20:57:17	784.397	963692.470	304.691	51.563
2	20:58:27	785.959	988849.260	278.128	50.000
3	20:59:35	851.588	969537.510	223.439	34.375
X		807.315	974026.410	268.753	45.313
?		38.350	13165.438	41.429	9.504
%RSD		4.750	1.352	15.415	20.975

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:05:16	47185.611	8.333	1907.940	2609.613	270556000.000	14560.542	1993.889	2328.315	410008.310
2	21:06:25	46774.888	7.813	1925.130	2747.139	275471930.000	15269.093	2075.151	2426.769	415924.120
3	21:07:34	48066.666	5.208	2042.334	2589.297	279074250.000	14152.319	1982.950	2220.485	416932.580
X		47342.388	7.118	1958.468	2648.683	275034060.000	14660.651	2017.330	2325.190	414288.340
?		660.005	1.674	73.137	85.868	4275972.700	565.077	50.372	103.177	3740.750
%RSD		1.394	23.521	3.734	3.242	1.555	3.854	2.497	4.437	0.903

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:05:16	688697.410	1671.973	118478.330	1551234.300	19102417.000	80652.025	1342412.400	169147.040	54.688
2	21:06:25	694916.090	1532.895	120725.150	1653026.500	19394938.000	82511.034	1359061.200	170146.310	82.813
3	21:07:34	699631.860	1514.143	120375.340	1690530.400	19641174.000	83490.135	1373905.700	170699.720	59.375
X		694415.120	1573.003	119859.610	1631597.100	19379510.000	82217.731	1358459.800	169997.690	65.625
?		5484.408	86.221	1208.939	72078.203	269709.760	1441.609	15755.305	786.936	15.068
%RSD		0.790	5.481	1.009	4.418	1.392	1.753	1.160	0.463	22.961

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:05:16	33769.554	1637.594	11119.951	6059.097	1262.556	118602.800	10206.770	118.750	2434.582
2	21:06:25	35598.987	1639.157	11659.444	6135.692	1409.445	123492.400	10547.642	132.813	2461.150
3	21:07:34	37261.030	1626.655	12264.637	6096.613	1256.305	122381.340	10757.174	143.751	2378.323
X		35543.190	1634.469	11681.344	6097.134	1309.435	121492.180	10503.862	131.771	2424.685
?		1746.407	6.812	572.657	38.300	86.667	2563.205	277.801	12.533	42.291
%RSD		4.913	0.417	4.902	0.628	6.619	2.110	2.645	9.511	1.744

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:05:16	1662.597	609.388	1865.747	1191.196	250.002	250.002	363.546	117.188	25.521
2	21:06:25	1756.358	607.825	1932.943	1198.488	253.127	253.127	359.380	116.667	29.167
3	21:07:34	1637.594	590.637	1814.178	1327.145	243.752	243.752	370.838	113.021	29.167
X		1685.516	602.617	1870.956	1238.943	248.961	248.961	364.588	115.625	27.951
?		62.612	10.404	59.554	76.472	4.774	4.774	5.800	2.270	2.105
%RSD		3.715	1.726	3.183	6.172	1.917	1.917	1.591	1.963	7.531

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	21:05:16	289052.830	2562703.900	3140.970	731.269	3278.501	3669.221	4172.484	2329.878	5901.219
2	21:06:25	291809.590	2594975.800	3042.512	651.577	3351.956	3722.360	4305.336	2462.712	6156.014
3	21:07:34	291270.630	2606603.300	2817.465	590.637	3200.358	3923.976	4219.373	2654.934	6334.217
X		290711.020	2588094.400	3000.316	657.828	3276.938	3771.853	4232.398	2482.508	6130.483
?		1461.101	22744.330	165.829	70.524	75.811	134.396	67.377	163.430	217.625
%RSD		0.503	0.879	5.527	10.721	2.313	3.563	1.592	6.583	3.550

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	21:05:16	7.813	402664.750	325.004	125.001	26.563	26.563	125.001	40.625	359.380
2	21:06:25	3.125	405142.720	310.941	110.938	17.188	17.188	121.876	53.125	384.380
3	21:07:34	0.000	406021.850	290.628	121.876	18.750	18.750	103.125	21.875	312.503
X		3.646	404609.770	308.858	119.271	20.833	20.833	116.667	38.542	352.088
?		3.932	1740.851	17.282	7.384	5.023	5.023	11.831	15.729	36.489
%RSD		107.855	0.430	5.596	6.191	24.109	24.109	10.141	40.810	10.364

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	21:05:16	573.449	23268.935	41934.896	1022532.100	1088387.600	228.127	431.257	762.520	675.016
2	21:06:25	610.951	23913.749	42091.606	1025063.600	1097162.800	160.938	440.632	709.393	642.202
3	21:07:34	565.636	23572.557	42503.761	1032274.900	1101759.700	207.814	351.567	725.018	656.265
X		583.345	23585.080	42176.754	1026623.600	1095770.000	198.960	407.818	732.310	657.828
?		24.224	322.589	293.836	5055.224	6793.984	34.458	48.940	27.304	16.463
%RSD		4.153	1.368	0.697	0.492	0.620	17.319	12.001	3.729	2.503

Run	Time	208Pb	209Bi	232Th	238U
1	21:05:16	1631.343	923536.200	146.876	109.375
2	21:06:25	1614.154	919963.230	162.501	126.563
3	21:07:34	1592.276	935693.430	168.751	96.875
X		1612.591	926397.620	159.376	110.938
?		19.580	8246.247	11.267	14.905
%RSD		1.214	0.890	7.070	13.436

Reviewed by jaswal 7/26/2012 11:43:57 AM
Inst Id :P6

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:13:14	52416.298	7.292	2129.846	2640.869	238451200.000	41561.933	5785.546	6896.977	518695.550
2	21:14:23	52442.958	7.813	2078.276	2642.432	236631150.000	41489.849	5910.597	7295.612	512655.150
3	21:15:32	48701.623	8.854	2037.645	2472.089	230125490.000	40245.673	5676.127	6790.676	492650.680
X		51186.960	7.986	2081.923	2585.130	235069280.000	41099.152	5790.757	6994.422	508000.460
?		2152.406	0.796	46.209	97.900	4377091.000	740.013	117.322	266.199	13632.075
%RSD		4.205	9.962	2.220	3.787	1.862	1.801	2.026	3.806	2.683

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	46Sc	47Ti
1	21:13:14	691794.950	1589.151	47060.198	1569436.200	9944173.300	56389.197	935191.820	183446.890	171.876
2	21:14:23	689369.310	1603.215	47753.117	1570441.300	9821848.800	56467.631	925747.680	185075.510	195.314
3	21:15:32	656528.420	1501.641	45878.238	1544566.600	9591179.500	54345.361	892960.910	174941.200	146.876
X		679230.890	1564.669	46897.184	1561481.400	9785733.900	55734.063	917966.800	181154.540	171.355
?		19698.292	55.035	948.010	14657.277	179246.650	1203.290	22164.587	5442.175	24.223
%RSD		2.900	3.517	2.021	0.939	1.832	2.159	2.415	3.004	14.136

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:13:14	36125.306	3283.190	11607.839	27989.893	12738.489	489490.080	17806.403	245.315	1947.008
2	21:14:23	38794.792	3131.593	12198.956	27697.136	13104.445	488938.870	17653.088	267.190	1878.249
3	21:15:32	38938.934	3273.813	12314.681	26803.246	12593.048	470621.660	16525.177	256.252	1798.551
X		37953.011	3229.532	12040.492	27496.758	12811.994	483016.870	17328.223	256.252	1874.602
?		1584.479	84.947	379.130	618.180	263.503	10738.104	699.670	10.938	74.296
%RSD		4.175	2.630	3.149	2.248	2.057	2.223	4.038	4.268	3.963

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:13:14	3925.539	1748.545	11553.107	1285.475	207.814	207.814	365.109	117.188	30.729
2	21:14:23	4156.855	1723.542	11528.087	1341.730	260.940	260.940	353.650	121.355	22.396
3	21:15:32	3803.631	1661.034	10968.271	1297.976	253.127	253.127	365.109	127.605	21.875
X		3962.008	1711.040	11349.822	1308.393	240.627	240.627	361.289	122.049	25.000
?		179.413	45.075	330.669	29.539	28.684	28.684	6.616	5.243	4.968
%RSD		4.528	2.634	2.913	2.258	11.921	11.921	1.831	4.296	19.874

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	21:13:14	178358.060	1593005.900	1648.533	379.693	1140.670	885.965	1087.541	578.137	1396.943
2	21:14:23	176967.490	1571331.700	1700.101	359.380	1015.661	879.715	1073.478	601.575	1459.450
3	21:15:32	171729.140	1529715.400	1517.268	339.067	1006.285	921.905	960.970	573.449	1478.202
X		175684.900	1564684.400	1621.967	359.380	1054.206	895.861	1040.663	584.387	1444.865
?		3495.631	32164.610	94.267	20.313	75.027	22.770	69.374	15.069	42.547
%RSD		1.990	2.056	5.812	5.652	7.117	2.542	6.666	2.579	2.945

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	21:13:14	3.125	428345.700	334.379	131.251	12.500	12.500	95.313	45.313	532.822
2	21:14:23	3.125	433075.770	304.691	135.938	10.938	10.938	95.313	50.000	515.634
3	21:15:32	4.688	412137.020	303.128	93.750	9.375	9.375	85.938	25.000	462.507
X		3.646	424519.500	314.066	120.313	10.938	10.938	92.188	40.104	503.655
?		0.902	10981.243	17.609	23.123	1.563	1.563	5.413	13.289	36.656
%RSD		24.744	2.587	5.607	19.219	14.286	14.286	5.871	33.136	7.278

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	21:13:14	621.889	34439.901	61657.772	1068205.700	1140395.500	115.625	334.379	1528.207	1334.437
2	21:14:23	500.009	34121.952	61626.387	1073468.100	1150263.400	115.625	331.254	1609.466	1357.877
3	21:15:32	512.509	33639.560	60280.036	1036891.900	1107000.300	132.813	346.879	1489.140	1381.317
X		544.802	34067.138	61188.065	1059521.900	1132553.100	121.355	337.504	1542.271	1357.877
?		67.051	402.976	786.533	19773.976	22672.708	9.923	8.268	61.383	23.440
%RSD		12.307	1.183	1.285	1.866	2.002	8.177	2.450	3.980	1.726

Run	Time	208Pb	209Bi	232Th	238U
1	21:13:14	3423.848	964131.600	189.064	132.813
2	21:14:23	3505.118	968897.780	221.877	129.688
3	21:15:32	3228.490	939933.660	212.502	114.063
X		3385.818	957654.350	207.814	125.521
?		142.181	15530.492	16.901	10.046
%RSD		4.199	1.622	8.133	8.003

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User Pre-dilution: 1.00

Seq 7/26/2012 jaswal
Out 7/26/2012 11:43:57
Inst Inst Id : P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:21:12	49024.600	5054.540	1978.262	4191.240	225705170.000	42232.646	6105.992	7339.385	1724051.70
2	21:22:21	52731.517	5599.535	2200.169	4719.530	240344640.000	45799.862	6388.928	8075.720	1885242.30
3	21:23:30	52458.640	5477.091	2065.774	4814.874	238346330.000	44362.524	6518.674	7684.879	1867328.90
X		51404.919	5377.055	2081.402	4575.214	234798720.000	44131.678	6337.865	7699.994	1825541.00
?		2065.927	285.938	111.776	335.932	7938368.500	1794.777	211.027	368.400	88347.497
%RSD		4.019	5.318	5.370	7.342	3.381	4.067	3.330	4.784	4.840

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:21:12	658987.860	1501.641	43886.056	1342215.400	9369926.200	53727.405	886405.320	173433.920	154.688
2	21:22:21	713712.760	1562.586	47031.981	1447497.600	9953342.000	56955.499	942300.980	185824.200	145.313
3	21:23:30	709806.420	1567.274	46420.611	1440337.800	9898340.300	56315.469	922417.260	181788.400	150.001
X		694169.010	1543.833	45779.549	1410016.900	9740536.100	55666.124	917041.190	180348.840	150.001
?		30530.309	36.614	1668.062	58826.894	322133.670	1709.206	28332.981	6319.333	4.688
%RSD		4.398	2.372	3.644	4.172	3.307	3.070	3.090	3.504	3.125

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:21:12	606919.440	218903.470	36573.319	108694.750	764306.830	1760575.900	47797.013	660494.150	145592.830
2	21:22:21	654312.980	231602.930	38425.045	115346.610	811773.870	1883508.900	50561.192	705481.120	155460.050
3	21:23:30	635066.720	229205.340	39059.575	115255.250	803482.060	1863257.400	50316.581	698780.740	153594.720
X		632099.710	226570.580	38019.313	113098.870	793187.590	1835780.700	49558.262	688252.000	151549.200
?		23835.671	6747.264	1291.832	3814.351	25352.751	65911.708	1530.182	24271.331	5242.004
%RSD		3.771	2.978	3.398	3.373	3.196	3.590	3.088	3.527	3.459

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:21:12	184026.150	88842.586	129444.750	9719.972	1651.658	1651.658	4630.438	1881.895	30.208
2	21:22:21	193156.440	93965.835	134009.990	10162.468	1581.338	1581.338	4890.420	2016.809	30.208
3	21:23:30	191338.470	92292.479	133770.260	10159.340	1628.218	1628.218	4860.202	2051.189	38.021
X		189507.020	91700.300	132408.340	10013.927	1620.404	1620.404	4793.687	1983.298	32.813
?		4832.824	2612.456	2569.338	254.577	35.805	35.805	142.183	89.484	4.511
%RSD		2.550	2.849	1.940	2.542	2.210	2.210	2.966	4.512	13.746

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	21:21:12	170514.720	1519535.100	1198.488	301.566	920.342	670.328	850.025	518.759	1118.794
2	21:22:21	179846.860	1585207.400	1323.499	284.378	950.032	810.961	923.467	478.133	1223.490
3	21:23:30	177709.430	1575704.400	1295.371	295.316	968.783	731.269	939.093	504.696	1325.061
X		176023.670	1560149.000	1272.453	293.753	946.386	737.519	904.195	500.530	1222.448
?		4889.126	35492.110	65.581	8.700	24.425	70.524	47.559	20.631	103.138
%RSD		2.778	2.275	5.154	2.962	2.581	9.562	5.260	4.122	8.437

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	21:21:12	3.125	413103.400	1664.159	42033.623	992.222	992.222	41444.405	15691.425	503.134
2	21:22:21	6.250	431789.260	1762.609	44487.913	1112.543	1112.543	42788.986	16165.391	481.258
3	21:23:30	6.250	427925.570	1862.621	44464.403	1057.852	1057.852	43249.745	16049.636	495.321
X		5.208	424272.740	1763.130	43661.980	1054.206	1054.206	42494.379	15968.817	493.238
?		1.804	9863.958	99.232	1410.247	60.243	60.243	938.034	247.102	11.086
%RSD		34.641	2.325	5.628	3.230	5.715	5.715	2.207	1.547	2.248

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	21:21:12	118531.900	484765.830	866908.660	1040864.200	1103497.400	111562.040	272649.090	41090.259	35053.892
2	21:22:21	122253.690	503840.340	900992.400	1072845.700	1149228.600	115497.820	280855.800	42176.230	35503.438
3	21:23:30	121774.630	496492.810	893514.260	1066008.100	1140461.400	113680.210	277355.590	41917.658	35786.956
X		120853.410	495032.990	887138.440	1059906.000	1131062.500	113580.020	276953.500	41728.049	35448.095
?		2024.703	9620.682	17914.061	16841.347	24271.223	1969.802	4118.102	567.271	369.652
%RSD		1.675	1.943	2.019	1.589	2.146	1.734	1.487	1.359	1.043

Run	Time	208Pb	209Bi	232Th	238U
1	21:21:12	86790.970	941445.700	206.251	143.751
2	21:22:21	88924.343	970113.790	220.314	139.063
3	21:23:30	89001.383	962530.410	214.064	132.813
X		88238.898	958029.970	213.543	138.542
?		1254.534	14854.470	7.046	5.487
%RSD		1.422	1.551	3.299	3.961

Reviewed by: jaswal
On 7/26/2012 11:43:57
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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:29:11	48402.171	2.604	2572.107	1818.866	163803270.000	90274.962	12505.471	14924.980	151849.650
2	21:30:20	49926.152	9.896	2678.376	1820.429	165624130.000	90381.884	12915.210	15364.508	155458.470
3	21:31:29	46908.137	6.771	2551.790	1700.101	159449430.000	85358.943	12114.509	14155.447	144124.930
X		48412.153	6.424	2600.758	1779.799	162958940.000	88671.930	12511.730	14814.978	150477.680
?		1509.032	3.658	67.983	69.024	3172761.500	2869.629	400.387	611.990	5789.988
%RSD		3.117	56.949	2.614	3.878	1.947	3.236	3.200	4.131	3.848

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:29:11	1395277.900	1253.180	398916.450	1419629.500	10350201.000	15453.667	254800.670	174151.960	114.063
2	21:30:20	1435673.400	1337.563	410894.160	1453594.400	10451819.000	15533.440	259962.740	175937.700	115.625
3	21:31:29	1333294.600	1234.428	379100.160	1383611.600	9977159.900	14860.851	248998.130	169988.190	103.125
X		1388082.000	1275.057	396303.590	1418945.200	10259727.000	15282.653	254587.180	173359.280	110.938
?		51567.334	54.937	16057.238	34996.417	249928.970	367.462	5485.424	3052.935	6.811
%RSD		3.715	4.309	4.052	2.466	2.436	2.404	2.155	1.761	6.139

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:29:11	34870.632	1753.233	11840.843	5777.731	4144.351	108745.140	4477.264	159.376	592.200
2	21:30:20	36805.163	1754.795	12422.586	5788.673	4394.426	110384.200	4519.465	243.752	628.139
3	21:31:29	36756.601	1753.233	12230.233	5637.050	4209.995	106056.280	4274.077	259.377	620.326
X		36144.132	1753.754	12164.554	5734.484	4249.591	108395.210	4423.602	220.835	613.555
?		1103.151	0.902	296.381	84.558	129.654	2185.073	131.200	53.796	18.902
%RSD		3.052	0.051	2.436	1.475	3.051	2.016	2.966	24.360	3.081

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:29:11	682.829	298.441	1820.429	705.226	235.939	235.939	372.401	39.583	30.729
2	21:30:20	759.395	298.441	1942.320	782.834	201.564	201.564	364.067	40.104	27.083
3	21:31:29	757.833	312.503	1897.001	741.165	239.065	239.065	385.422	48.438	25.000
X		733.352	303.128	1886.583	743.075	225.523	225.523	373.963	42.708	27.604
?		43.762	8.119	61.610	38.839	20.808	20.808	10.763	4.968	2.900
%RSD		5.967	2.678	3.266	5.227	9.226	9.226	2.878	11.633	10.505

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	21:29:11	69021.022	610923.890	2086.090	454.695	3095.648	3958.361	4253.758	2645.557	6071.603
2	21:30:20	69741.697	620527.950	2117.344	465.633	2975.310	3886.466	4391.300	2447.085	6488.973
3	21:31:29	66956.544	592600.770	1850.120	365.630	2773.707	3902.095	4360.040	2465.838	6423.319
X		68573.088	608017.530	2017.851	428.652	2948.222	3915.641	4335.033	2519.493	6327.965
?		1445.598	14188.619	146.098	54.853	162.671	37.813	72.100	109.577	224.430
%RSD		2.108	2.334	7.240	12.797	5.518	0.966	1.663	4.349	3.547

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	21:29:11	4.688	413817.370	273.440	134.376	17.188	17.188	154.688	40.625	306.253
2	21:30:20	1.563	419186.170	343.754	139.063	17.188	17.188	129.688	40.625	342.192
3	21:31:29	3.125	404414.710	289.065	110.938	12.500	12.500	137.501	26.563	317.191
X		3.125	412472.750	302.087	128.126	15.625	15.625	140.626	35.938	321.879
?		1.563	7476.964	36.921	15.068	2.706	2.706	12.790	8.119	18.422
%RSD		50.000	1.813	12.222	11.761	17.321	17.321	9.095	22.592	5.723

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	21:29:11	196.876	5022.758	9270.194	1055396.400	1125582.400	106.250	326.566	785.959	695.329
2	21:30:20	187.501	5280.663	9631.371	1052854.700	1118620.900	139.063	321.879	812.523	715.643
3	21:31:29	250.002	5236.897	9318.663	1039916.000	1107927.600	139.063	329.691	787.522	681.266
X		211.460	5180.106	9406.743	1049389.000	1117376.900	128.126	326.045	795.335	697.413
?		33.706	138.014	196.037	8301.752	8892.885	18.944	3.932	14.906	17.283
%RSD		15.940	2.664	2.084	0.791	0.796	14.786	1.206	1.874	2.478

Run	Time	208Pb	209Bi	232Th	238U
1	21:29:11	1632.906	966908.620	189.064	453.132
2	21:30:20	1793.863	969058.130	185.939	387.505
3	21:31:29	1729.792	957233.880	189.064	470.320
X		1718.854	964400.210	188.022	436.986
?		81.034	6298.595	1.804	43.705
%RSD		4.714	0.653	0.960	10.001

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:37:11	45517.712	6.771	2425.206	1470.388	150712020.000	88658.636	12311.553	14469.824	151412.230
2	21:38:20	49247.239	8.854	2508.033	1709.477	158541420.000	93965.835	13048.144	15894.775	162806.830
3	21:39:29	45951.912	9.896	2468.963	1581.338	151595190.000	89224.644	12527.365	15137.704	152937.730
X		46905.621	8.507	2467.401	1587.068	153616210.000	90616.372	12629.021	15167.434	155718.930
?		2039.489	1.591	41.436	119.648	4288154.500	2914.493	378.671	712.940	6185.511
%RSD		4.348	18.704	1.679	7.539	2.791	3.216	2.998	4.700	3.972

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:37:11	1253675.400	1207.864	361291.240	1313130.300	9399636.800	14141.371	235754.380	167630.890	106.250
2	21:38:20	1356167.100	1276.620	385784.970	1392534.900	9980652.200	15057.932	250257.350	174740.330	140.626
3	21:39:29	1262797.500	1217.239	363135.560	1345713.200	9494053.500	14264.931	238717.040	166271.390	146.876
X		1290880.000	1233.908	370070.590	1350459.500	9624780.800	14488.078	241576.260	169547.540	131.251
?		56723.974	37.286	13640.258	39914.517	311788.340	497.360	7662.593	4548.170	21.875
%RSD		4.394	3.022	3.686	2.956	3.239	3.433	3.172	2.683	16.667

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:37:11	33133.692	3130.030	11093.368	7158.043	4810.185	132745.140	4824.252	160.938	956.282
2	21:38:20	36042.284	3469.171	12223.978	7562.939	5063.397	140408.510	5229.082	145.313	967.220
3	21:39:29	35581.757	3501.992	11843.970	7250.277	4877.395	135535.220	4896.151	182.814	929.718
X		34919.245	3367.064	11720.439	7323.753	4916.992	136229.620	4983.162	163.022	951.073
?		1563.384	205.932	575.339	212.213	131.168	3878.589	215.986	18.837	19.286
%RSD		4.477	6.116	4.909	2.898	2.668	2.847	4.334	11.555	2.028

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:37:11	754.707	331.254	2881.541	732.831	198.439	198.439	348.442	32.292	27.604
2	21:38:20	823.461	335.941	2965.933	701.580	195.314	195.314	384.901	52.604	31.771
3	21:39:29	798.460	379.693	2765.893	725.539	209.377	209.377	350.525	43.229	29.688
X		792.209	348.963	2871.122	719.983	201.043	201.043	361.289	42.708	29.688
?		34.800	26.716	100.426	16.350	7.384	7.384	20.475	10.166	2.083
%RSD		4.393	7.656	3.498	2.271	3.673	3.673	5.667	23.804	7.018

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	21:37:11	63482.928	566160.190	1340.688	321.879	2556.479	3683.287	3875.526	2372.072	6063.787
2	21:38:20	66779.154	590305.490	1436.010	312.503	2740.888	3939.606	4314.714	2411.141	6410.813
3	21:39:29	64322.609	567299.390	1184.424	290.628	2547.102	3770.810	4034.945	2411.141	6295.137
X		64861.564	574588.360	1320.374	308.337	2614.823	3797.901	4075.062	2398.118	6256.579
?		1712.931	13623.348	127.017	16.037	109.276	130.289	222.325	22.557	176.697
%RSD		2.641	2.371	9.620	5.201	4.179	3.431	5.456	0.941	2.824

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	21:37:11	7.813	402555.480	303.128	78.125	15.625	15.625	76.563	35.938	310.941
2	21:38:20	0.000	419507.910	346.879	85.938	9.375	9.375	98.438	29.688	396.881
3	21:39:29	1.563	404329.540	278.128	57.813	14.063	14.063	64.063	39.063	310.941
X		3.125	408797.640	309.378	73.959	13.021	13.021	79.688	34.896	339.587
?		4.134	9317.682	34.799	14.518	3.253	3.253	17.399	4.774	49.617
%RSD		132.288	2.279	11.248	19.630	24.980	24.980	21.834	13.679	14.611

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	21:37:11	126.563	4708.588	8588.518	1035422.100	1110509.100	123.438	228.127	1687.600	1457.887
2	21:38:20	139.063	5063.397	8852.742	1058247.700	1135617.800	96.875	234.377	1690.725	1525.081
3	21:39:29	154.688	5030.573	8561.940	1038825.100	1108738.600	75.000	260.940	1756.358	1546.959
X		140.105	4934.186	8667.734	1044165.000	1118288.500	98.438	241.148	1711.561	1509.976
?		14.092	196.062	160.772	12314.138	15033.677	24.257	17.423	38.827	46.418
%RSD		10.058	3.974	1.855	1.179	1.344	24.642	7.225	2.269	3.074

Run	Time	208Pb	209Bi	232Th	238U
1	21:37:11	3691.102	958040.010	134.376	426.569
2	21:38:20	3750.492	977731.140	137.501	421.881
3	21:39:29	3628.586	959752.540	137.501	460.945
X		3690.060	965174.560	136.459	436.465
?		60.960	10907.974	1.804	21.329
%RSD		1.652	1.130	1.322	4.887

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:45:11	48930.529	6.771	2687.753	1701.664	173742360.000	104981.200	14616.849	17432.505	137128.440
2	21:46:20	47828.368	7.813	2698.692	1721.979	170649710.000	103457.650	14199.241	16949.111	135123.530
3	21:47:29	45320.211	7.813	2450.210	1609.466	166633940.000	99501.567	13653.396	16648.758	130106.980
X		47359.703	7.465	2612.218	1677.703	170342000.000	102646.800	14156.495	17010.125	134119.650
?		1850.225	0.601	140.410	59.962	3564186.900	2828.372	483.147	395.420	3616.778
%RSD		3.907	8.056	5.375	3.574	2.092	2.755	3.413	2.325	2.697

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:45:11	1357319.200	1292.246	429771.960	1539966.900	10479634.000	16619.036	273743.160	173680.640	123.438
2	21:46:20	1311178.300	1364.128	417141.680	1526689.400	10309406.000	15866.619	266341.140	170351.860	114.063
3	21:47:29	1267728.700	1185.987	404331.150	1510631.300	10071752.000	15732.095	257667.020	164872.510	134.376
X		1312075.400	1280.787	417081.600	1525762.500	10286930.000	16072.583	265917.110	169635.000	123.959
?		44801.986	89.622	12720.514	14689.747	204867.790	477.998	8046.451	4447.610	10.166
%RSD		3.415	6.997	3.050	0.963	1.992	2.974	3.026	2.622	8.201

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:45:11	36681.408	1237.554	12091.052	5043.078	1807.927	100897.240	4324.092	104.688	635.952
2	21:46:20	38002.041	1187.549	12588.356	5174.374	1900.126	99111.369	4253.758	98.438	650.015
3	21:47:29	37478.786	1343.813	12630.581	4883.647	1884.499	97903.080	3975.553	95.313	706.267
X		37387.412	1256.305	12436.663	5033.700	1864.184	99303.897	4184.468	99.480	664.078
?		665.041	79.802	300.052	145.590	49.343	1506.338	184.311	4.774	37.208
%RSD		1.779	6.352	2.413	2.892	2.647	1.517	4.405	4.799	5.603

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:45:11	1395.381	603.138	1428.196	775.542	231.252	231.252	363.546	34.896	21.354
2	21:46:20	1337.563	598.450	1459.450	784.917	289.065	289.065	346.879	32.813	30.729
3	21:47:29	1331.312	578.137	1387.567	786.480	268.753	268.753	341.150	34.896	25.521
X		1354.752	593.241	1425.071	782.313	263.023	263.023	350.525	34.201	25.868
?		35.324	13.289	36.043	5.916	29.330	29.330	11.635	1.203	4.697
%RSD		2.607	2.240	2.529	0.756	11.151	11.151	3.319	3.517	18.158

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	21:45:11	70727.777	631426.180	1639.157	348.442	2740.888	3677.036	4009.938	2278.307	6057.534
2	21:46:20	70644.555	621991.120	1521.956	323.441	2586.172	3703.605	4175.610	2370.509	5893.403
3	21:47:29	68763.535	611818.800	1387.567	346.879	2597.111	3680.162	4045.885	2172.040	5930.918
X		70045.289	621745.370	1516.227	339.587	2641.390	3686.934	4077.144	2273.619	5960.618
?		1110.811	9805.999	125.892	14.005	86.341	14.522	87.148	99.318	86.002
%RSD		1.586	1.577	8.303	4.124	3.269	0.394	2.137	4.368	1.443

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	21:45:11	6.250	417916.970	343.754	81.250	9.375	9.375	82.813	75.000	312.503
2	21:46:20	4.688	407111.590	337.504	68.750	12.500	12.500	68.750	57.813	295.316
3	21:47:29	0.000	401411.460	271.878	73.438	9.375	9.375	56.250	81.250	298.441
X		3.646	408813.340	317.712	74.479	10.417	10.417	69.271	71.354	302.087
?		3.253	8383.317	39.817	6.315	1.804	1.804	13.289	12.137	9.156
%RSD		89.214	2.051	12.532	8.479	17.321	17.321	19.184	17.009	3.031

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	21:45:11	129.688	5329.119	9320.227	1064495.100	1144733.700	103.125	251.565	1053.164	807.835
2	21:46:20	160.938	5171.248	9309.282	1050714.800	1121055.800	95.313	218.752	943.781	817.211
3	21:47:29	146.876	5169.685	9145.114	1033450.800	1112836.400	131.251	235.939	954.719	817.211
X		145.834	5223.351	9258.208	1049553.600	1126208.600	109.896	235.419	983.888	814.086
?		15.651	91.601	98.095	15554.656	16561.172	18.901	16.413	60.243	5.413
%RSD		10.732	1.754	1.060	1.482	1.471	17.199	6.972	6.123	0.665

Run	Time	208Pb	209Bi	232Th	238U
1	21:45:11	2147.036	978959.570	93.750	496.884
2	21:46:20	2081.402	965746.320	142.188	537.510
3	21:47:29	2053.273	960261.670	101.563	482.821
X		2093.903	968322.520	112.500	505.738
?		48.116	9611.478	26.005	28.400
%RSD		2.298	0.993	23.116	5.615

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:53:09	45682.299	55108.693	10375.642	1148.484	33869363.000	27848468.000	3926893.800	4678773.900	7001659.200
2	21:54:18	46846.999	55391.555	10611.752	1214.114	34377039.000	28399146.000	4000976.300	4741833.400	7095261.400
3	21:55:27	50935.957	60413.933	11945.617	1212.552	36580563.000	30344211.000	4322581.900	5156486.100	7780604.500
X		47821.752	56971.394	10977.670	1191.716	34942322.000	28863942.000	4083484.000	4859031.200	7292508.400
?		2759.137	2984.679	846.539	37.449	1441287.900	1311186.500	210351.860	259525.960	425286.630
%RSD		5.770	5.239	7.711	3.142	4.125	4.543	5.151	5.341	5.832

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:53:09	86702.938	341646.380	57910.891	256901.860	17512549.000	85791.208	1413710.000	168364.440	44940.890
2	21:54:18	88174.403	347167.750	58166.614	252464.430	17689782.000	85564.857	1413336.600	168539.930	45238.703
3	21:55:27	95902.075	381248.400	64440.325	252197.270	18902107.000	91773.527	1508757.300	181239.300	47887.942
X		90259.806	356687.510	60172.610	253854.520	18034813.000	87709.864	1445268.000	172714.560	46022.512
?		4941.428	21448.760	3698.160	2642.457	756308.410	3521.055	54983.663	7383.163	1622.358
%RSD		5.475	6.013	6.146	1.041	4.194	4.014	3.804	4.275	3.525

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:53:09	639604.790	601676.370	75250.798	2130933.000	1716857.200	35855990.000	932499.060	736192.790	161436.730
2	21:54:18	645800.980	602150.420	75458.138	2133999.100	1732907.800	35954104.000	931131.210	741747.480	161585.270
3	21:55:27	696478.550	651792.200	81649.857	2300341.200	1858430.400	38819826.000	1002392.900	797925.420	173318.470
X		660628.110	618539.670	77452.931	2188424.400	1769398.500	36876640.000	955341.060	758621.900	165446.820
?		31201.589	28798.519	3636.123	96934.876	77520.469	1683563.400	40753.827	34150.973	6817.455
%RSD		4.723	4.656	4.695	4.429	4.381	4.565	4.266	4.502	4.121

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:53:09	810413.880	391967.060	268461.520	112482.760	7420.677	7420.677	23671.679	9909.165	31.771
2	21:54:18	812479.520	390037.180	269111.080	113112.180	7247.150	7247.150	23907.488	10085.330	39.063
3	21:55:27	869070.180	417965.230	286682.340	119653.170	7920.945	7920.945	24972.328	10624.783	28.646
X		830654.530	399989.830	274751.650	115082.700	7529.591	7529.591	24183.832	10206.426	33.160
?		33284.961	15597.034	10337.384	3970.629	349.852	349.852	692.962	372.861	5.345
%RSD		4.007	3.899	3.762	3.450	4.646	4.646	2.865	3.653	16.120

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	21:53:09	125598.140	1120333.500	707417.170	159434.740	402229.300	239670.300	303416.420	152805.070	396343.160
2	21:54:18	126137.240	1121065.900	729899.050	163807.230	413931.550	242017.190	307831.250	152493.960	395442.140
3	21:55:27	131379.480	1176144.000	767113.950	172263.640	437963.630	254926.320	325240.360	160991.110	419879.530
X		127704.950	1139181.100	734810.060	165168.540	418041.490	245537.940	312162.680	155430.050	403888.280
?		3193.629	32012.852	30149.876	6521.889	18218.245	8214.820	11538.720	4818.537	13856.156
%RSD		2.501	2.810	4.103	3.949	4.358	3.346	3.696	3.100	3.431

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	21:53:09	1.563	414039.290	19593.114	70219.027	13066.911	13066.911	66677.117	178002.100	495462.650
2	21:54:18	6.250	413334.960	19435.086	69476.346	13024.685	13024.685	67246.966	179554.150	500502.590
3	21:55:27	6.250	436847.410	20808.894	81481.714	13631.501	13631.501	70135.807	186846.780	516560.880
X		4.688	421407.220	19945.698	73725.696	13241.032	13241.032	68019.963	181467.680	504175.370
?		2.706	13376.236	751.714	6727.166	338.814	338.814	1854.394	4722.636	11018.204
%RSD		57.735	3.174	3.769	9.125	2.559	2.559	2.726	2.602	2.185

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	21:53:09	671998.420	653855.220	1173862.600	1053049.500	1125852.500	1310764.700	3115613.300	1110667.600	941720.790
2	21:54:18	677874.300	655307.020	1172838.000	1053528.300	1122007.500	1309132.500	3122062.300	1105172.900	934295.290
3	21:55:27	705070.970	680081.850	1220094.900	1087291.500	1160213.900	1350980.400	3212987.000	1139758.500	964792.830
X		684981.230	663081.360	1188931.800	1064623.100	1136024.600	1323625.900	3150220.800	1118533.000	946936.300
?		17644.539	14740.736	26992.830	19632.848	21036.567	23703.781	54452.605	18586.007	15903.652
%RSD		2.576	2.223	2.270	1.844	1.852	1.791	1.729	1.662	1.679

Run	Time	208Pb	209Bi	232Th	238U
1	21:53:09	2361617.500	973764.080	5269049.500	5484330.700
2	21:54:18	2371805.700	980104.530	5301441.600	5505819.900
3	21:55:27	2442020.800	1005475.200	5418815.500	5597394.400
X		2391814.700	986447.920	5329768.900	5529181.700
?		43777.203	16780.261	78799.052	60043.153
%RSD		1.830	1.701	1.478	1.086

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:01:06	46657.317	11.458	203.126	1054.726	85569.573	1568.836	193.751	268.753	2318.938
2	22:02:15	49007.354	7.813	223.439	1071.915	89171.187	1853.245	242.190	323.441	2462.712
3	22:03:25	46078.882	14.583	164.063	982.846	108741.990	3994.308	570.324	667.203	2869.038
X		47247.851	11.285	196.876	1036.496	94494.249	2472.130	335.422	419.799	2550.229
?		1550.978	3.389	30.177	47.250	12469.621	1325.893	204.868	215.996	285.301
%RSD		3.283	30.030	15.328	4.559	13.196	53.634	61.078	51.452	11.187

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:01:06	1865.747	1521.956	25186.245	222170.510	137341.410	21.875	585.950	166769.330	14.063
2	22:02:15	1993.889	1598.527	25909.412	223408.340	138903.280	28.125	667.203	174820.990	10.938
3	22:03:25	1893.876	1607.903	25272.334	220037.880	141123.310	39.063	728.144	168294.880	9.375
X		1917.837	1576.129	25455.997	221872.240	139122.670	29.688	660.432	169961.740	11.458
?		67.348	47.148	395.021	1704.911	1900.473	8.700	71.338	4276.809	2.387
%RSD		3.512	2.991	1.552	0.768	1.366	29.304	10.802	2.516	20.830

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:01:06	10916.669	587.512	3791.128	5224.393	434.382	81709.572	2404.890	43.750	46.875
2	22:02:15	10951.071	642.202	3730.174	5496.370	470.320	82720.050	2498.656	75.000	45.313
3	22:03:25	11026.129	695.329	3797.380	5599.535	612.513	84167.530	2609.613	123.438	51.563
X		10964.623	641.681	3772.894	5440.099	505.738	82865.717	2504.386	80.729	47.917
?		55.974	53.911	37.128	193.798	94.199	1235.437	102.482	40.152	3.253
%RSD		0.510	8.401	0.984	3.562	18.626	1.491	4.092	49.736	6.788

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:01:06	139.063	76.563	162.501	169.793	57.813	57.813	384.380	29.167	35.417
2	22:02:15	148.438	84.375	137.501	163.543	42.188	42.188	406.256	29.167	29.688
3	22:03:25	223.439	123.438	171.876	172.918	39.063	39.063	358.338	26.563	32.292
X		170.314	94.792	157.293	168.751	46.354	46.354	382.991	28.299	32.465
?		46.246	25.114	17.770	4.774	10.046	10.046	23.989	1.504	2.869
%RSD		27.154	26.494	11.297	2.829	21.671	21.671	6.264	5.313	8.836

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	22:01:06	57.813	128.126	818.773	156.251	457.820	384.380	421.881	264.065	720.331
2	22:02:15	75.000	150.001	667.203	157.813	454.695	295.316	342.192	164.063	432.819
3	22:03:25	89.063	314.066	748.457	146.876	373.442	225.002	259.377	132.813	381.255
X		73.959	197.397	744.811	153.647	428.652	301.566	341.150	186.981	511.468
?		15.651	101.628	75.851	5.916	47.839	79.873	81.257	68.561	182.708
%RSD		21.162	51.484	10.184	3.850	11.160	26.486	23.819	36.668	35.722

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	22:01:06	1.563	422688.700	337.504	364.067	1.563	1.563	468.758	28.125	1001.598
2	22:02:15	6.250	438804.480	310.941	487.508	4.688	4.688	465.633	37.500	820.336
3	22:03:25	0.000	424888.470	290.628	432.819	1.563	1.563	423.444	40.625	667.203
X		2.604	428793.880	313.024	428.132	2.604	2.604	452.611	35.417	829.712
?		3.253	8738.923	23.507	61.854	1.804	1.804	25.308	6.505	167.394
%RSD		124.900	2.038	7.510	14.447	69.282	69.282	5.592	18.368	20.175

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	22:01:06	2262.679	29.688	40.625	1043941.100	1106214.700	367.192	821.899	126.563	84.375
2	22:02:15	1570.399	21.875	56.250	1068602.500	1136383.000	290.628	729.706	148.438	139.063
3	22:03:25	1267.244	95.313	156.251	1049257.000	1108059.100	429.694	1123.482	251.565	206.251
X		1700.107	48.958	84.375	1053933.600	1116885.600	362.505	891.695	175.522	143.230
?		510.236	40.334	62.734	12978.806	16910.403	69.651	205.958	66.757	61.045
%RSD		30.012	82.383	74.352	1.231	1.514	19.214	23.097	38.033	42.620

Run	Time	208Pb	209Bi	232Th	238U
1	22:01:06	251.565	998056.040	5959.055	595.325
2	22:02:15	250.002	1023823.000	3919.288	434.382
3	22:03:25	529.697	1001365.100	3042.512	826.586
X		343.755	1007748.000	4306.951	618.764
?		161.033	14019.294	1496.419	197.150
%RSD		46.845	1.391	34.744	31.862

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:09:04	44268.483	15.625	2531.474	1489.140	164624100.000	96160.051	13328.089	16126.284	124767.470
2	22:10:13	45334.318	10.417	2445.522	1609.466	164902800.000	96867.934	13343.729	16085.614	125068.530
3	22:11:22	45060.015	6.250	2458.024	1553.209	165906630.000	95387.711	12896.444	15583.495	126772.510
X		44887.605	10.764	2478.340	1550.605	165144510.000	96138.565	13189.421	15931.798	125536.170
?		553.439	4.697	46.438	60.205	674567.720	740.345	253.846	302.324	1081.231
%RSD		1.233	43.638	1.874	3.883	0.408	0.770	1.925	1.898	0.861

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:09:04	1208702.000	1221.927	398164.650	1406977.500	9661644.400	15915.110	261829.180	159275.170	100.000
2	22:10:13	1196583.400	1281.308	400669.170	1441655.000	9895775.100	16187.291	261254.750	162620.350	115.625
3	22:11:22	1213302.900	1182.862	398641.750	1460940.100	9868433.900	15422.383	259580.890	162955.390	107.813
X		1206196.100	1228.699	399158.520	1436524.200	9808617.800	15841.595	260888.270	161616.970	107.813
?		8636.855	49.571	1329.831	27344.733	128014.740	387.717	1168.086	2034.966	7.813
%RSD		0.716	4.034	0.333	1.904	1.305	2.447	0.448	1.259	7.246

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:09:04	35824.550	2762.767	12056.648	6251.368	4244.380	117236.900	4585.111	275.003	959.407
2	22:10:13	38301.276	2789.335	12863.601	6492.100	4006.812	118996.680	4458.508	259.377	985.972
3	22:11:22	40046.677	2686.190	13137.288	6030.960	3998.997	117312.520	4503.835	218.752	964.095
X		38057.501	2746.097	12685.846	6258.142	4083.397	117848.700	4515.818	251.044	969.825
?		2121.593	53.555	561.821	230.644	139.471	994.895	64.146	29.037	14.179
%RSD		5.575	1.950	4.429	3.686	3.416	0.844	1.420	11.566	1.462

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:09:04	1034.412	371.880	3645.778	718.768	209.377	209.377	381.255	36.979	33.854
2	22:10:13	1021.912	375.005	3658.281	761.999	243.752	243.752	356.254	43.750	29.167
3	22:11:22	1000.035	434.382	3622.334	788.563	220.314	220.314	371.880	35.938	25.521
X		1018.786	393.755	3642.131	756.444	224.481	224.481	369.796	38.889	29.514
?		17.401	35.218	18.249	35.228	17.562	17.562	12.630	4.242	4.178
%RSD		1.708	8.944	0.501	4.657	7.824	7.824	3.415	10.908	14.154

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	22:09:04	69291.075	608320.950	18746.667	4453.819	9209.217	3817.698	5210.325	2261.116	6041.902
2	22:10:13	68810.636	608689.280	12697.828	2887.792	6921.989	3717.671	4833.630	2339.254	6282.631
3	22:11:22	68581.413	607005.810	9337.426	2101.717	5940.297	3745.804	4655.446	2415.829	6306.079
X		68894.374	608005.350	13593.974	3147.776	7357.168	3760.391	4899.800	2338.733	6210.204
?		362.166	884.999	4768.204	1197.410	1677.348	51.584	283.296	77.358	146.224
%RSD		0.526	0.146	35.076	38.040	22.799	1.372	5.782	3.308	2.355

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	22:09:04	1.563	391286.280	401.568	1556.335	35.938	35.938	1462.575	67.188	635.952
2	22:10:13	0.000	398167.870	357.817	1537.583	32.813	32.813	1553.209	50.000	590.637
3	22:11:22	1.563	400601.690	312.503	1603.215	15.625	15.625	1421.946	51.563	584.387
X		1.042	396685.280	357.296	1565.711	28.125	28.125	1479.243	56.250	603.659
?		0.902	4831.438	44.535	33.806	10.938	10.938	67.201	9.504	28.141
%RSD		86.603	1.218	12.464	2.159	38.889	38.889	4.543	16.897	4.662

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	22:09:04	437.507	5266.596	9292.084	1003298.600	1073528.700	1393.818	3209.736	2290.809	2115.782
2	22:10:13	470.320	5168.122	9310.846	1026983.500	1103977.700	831.274	2070.463	2150.162	1840.744
3	22:11:22	378.130	5333.808	9332.735	1036717.400	1107312.200	653.140	1443.823	2329.878	1950.133
X		428.652	5256.175	9311.888	1022333.200	1094939.500	959.411	2241.340	2256.949	1968.886
?		46.729	83.333	20.346	17187.902	18617.158	386.607	895.272	94.521	138.475
%RSD		10.901	1.585	0.218	1.681	1.700	40.296	39.944	4.188	7.033

Run	Time	208Pb	209Bi	232Th	238U
1	22:09:04	4789.865	934413.600	1260.993	857.838
2	22:10:13	4872.706	958535.720	1189.112	928.155
3	22:11:22	4711.714	957071.990	1035.975	757.833
X		4791.429	950007.100	1162.027	847.942
?		80.507	13524.188	114.928	85.591
%RSD		1.680	1.424	9.890	10.094

Reviewed by: jaswal
Dt: 7/26/2012 11:43:57
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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:17:01	49527.894	9.896	2631.492	1667.285	167480640.000	83573.433	11499.939	13925.534	162245.810
2	22:18:10	48250.095	6.771	2537.725	1704.789	166190290.000	83989.927	11471.792	13967.763	158529.440
3	22:19:19	45881.373	13.542	2629.930	1623.530	162175700.000	79707.685	11023.001	12896.444	154125.390
X		47886.454	10.069	2599.716	1665.201	165282210.000	82423.682	11331.577	13596.580	158300.210
?		1850.258	3.389	53.691	40.670	2766598.400	2361.323	267.605	606.704	4065.063
%RSD		3.864	33.654	2.065	2.442	1.674	2.865	2.362	4.462	2.568

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:17:01	1470987.500	1334.437	394157.360	1443755.200	10692398.000	15226.861	260462.350	176396.430	132.813
2	22:18:10	1446397.200	1318.811	386942.200	1447573.500	10644196.000	15505.285	254566.870	174563.180	107.813
3	22:19:19	1393679.500	1225.053	374034.860	1412290.300	10315968.000	14820.183	246702.560	165910.990	107.813
X		1437021.400	1292.767	385044.810	1434539.700	10550854.000	15184.110	253910.590	172290.200	116.146
?		39497.585	59.161	10194.547	19362.857	204840.200	344.546	6903.327	5600.084	14.434
%RSD		2.749	4.576	2.648	1.350	1.941	2.269	2.719	3.250	12.427

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:17:01	37828.143	1425.071	12563.334	5662.059	1511.017	104869.450	4064.641	104.688	423.444
2	22:18:10	39330.630	1439.135	13213.921	5291.605	1548.521	104181.630	4247.506	96.875	426.569
3	22:19:19	39026.673	1346.939	13170.131	5186.879	1401.631	101322.110	3878.652	64.063	412.506
X		38728.482	1403.715	12982.462	5380.181	1487.057	103457.730	4063.600	88.542	420.840
?		794.390	49.670	363.635	249.667	76.320	1881.203	184.430	21.557	7.384
%RSD		2.051	3.538	2.801	4.640	5.132	1.818	4.539	24.346	1.755

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:17:01	771.896	296.878	2217.360	721.372	239.065	239.065	385.943	27.604	27.604
2	22:18:10	731.269	310.941	2262.679	770.854	223.439	223.439	385.943	30.208	29.688
3	22:19:19	775.021	285.940	2134.535	767.208	220.314	220.314	350.525	36.979	26.563
X		759.395	297.920	2204.858	753.145	227.606	227.606	374.137	31.597	27.951
?		24.408	12.533	64.981	27.576	10.046	10.046	20.448	4.839	1.591
%RSD		3.214	4.207	2.947	3.661	4.414	4.414	5.465	15.316	5.693

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	22:17:01	70179.772	625967.070	6295.137	1443.823	4460.071	3983.368	4791.428	2442.396	6593.709
2	22:18:10	69470.066	618660.450	5129.046	1082.853	4310.025	4083.396	4672.639	2289.246	6453.020
3	22:19:19	67978.541	611768.270	4267.825	907.841	3841.141	3797.380	4467.886	2504.907	6374.860
X		69209.460	618798.600	5230.669	1144.839	4203.746	3954.715	4643.985	2412.183	6473.863
?		1123.517	7100.410	1017.469	273.314	322.862	145.145	163.663	110.960	110.903
%RSD		1.623	1.147	19.452	23.874	7.680	3.670	3.524	4.600	1.713

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	22:17:01	1.563	424486.150	351.567	1056.289	18.750	18.750	1021.912	37.500	410.943
2	22:18:10	4.688	416099.430	306.253	973.471	14.063	14.063	878.152	29.688	356.254
3	22:19:19	4.688	405112.190	315.628	1018.786	7.813	7.813	1053.164	21.875	375.005
X		3.646	415232.590	324.483	1016.182	13.542	13.542	984.409	29.688	380.734
?		1.804	9716.025	23.919	41.471	5.487	5.487	93.339	7.813	27.791
%RSD		49.487	2.340	7.371	4.081	40.522	40.522	9.482	26.316	7.299

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	22:17:01	315.628	5391.642	9518.795	1078503.500	1145568.700	476.570	964.095	390.630	364.067
2	22:18:10	240.627	5244.713	9317.100	1069507.300	1137158.400	328.129	695.329	450.007	298.441
3	22:19:19	293.753	5143.113	9210.781	1040510.100	1109365.800	300.003	656.265	398.443	328.129
X		283.336	5259.823	9348.892	1062840.300	1130697.600	368.234	771.897	413.027	330.212
?		38.571	124.952	156.449	19854.772	18946.423	94.870	167.591	32.263	32.863
%RSD		13.613	2.376	1.673	1.868	1.676	25.764	21.712	7.811	9.952

Run	Time	208Pb	209Bi	232Th	238U
1	22:17:01	970.345	990003.350	656.265	632.827
2	22:18:10	917.217	986359.080	543.760	579.699
3	22:19:19	934.406	961375.130	484.383	568.761
X		940.656	979245.850	561.470	593.762
?		27.110	15583.395	87.299	34.270
%RSD		2.882	1.591	15.548	5.772

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:24:59	47873.832	6.771	2636.181	1664.159	166168640.000	81646.714	11388.913	13540.789	158617.910
2	22:26:08	48143.486	7.813	2620.553	1657.909	165096760.000	80780.875	11406.114	13676.856	157859.580
3	22:27:17	49059.093	5.729	2747.139	1737.606	167947860.000	82874.064	11506.194	14199.241	162218.950
X		48358.804	6.771	2667.958	1686.558	166404420.000	81767.218	11433.740	13805.629	159565.480
?		621.275	1.042	69.017	44.319	1440101.300	1051.784	63.334	347.601	2329.042
%RSD		1.285	15.385	2.587	2.628	0.865	1.286	0.554	2.518	1.460

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:24:59	1450181.700	1336.000	389348.460	1043133.600	10579706.000	15502.157	256744.380	174406.600	121.876
2	22:26:08	1446224.700	1295.371	385040.270	1053874.300	10619224.000	15258.144	255120.360	174442.970	120.313
3	22:27:17	1487639.700	1368.816	392410.230	1075880.500	10819493.000	15261.272	258220.640	176212.940	93.750
X		1461348.700	1333.396	388932.990	1057629.500	10672808.000	15340.524	256695.130	175020.840	111.980
?		22854.480	36.791	3702.505	16693.254	128560.400	139.986	1550.723	1032.550	15.806
%RSD		1.564	2.759	0.952	1.578	1.205	0.913	0.604	0.590	14.115

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:24:59	29176.639	1332.875	9733.002	5299.420	1740.731	99300.173	4036.508	65.625	520.322
2	22:26:08	29466.295	1320.374	9521.922	5094.658	1728.230	100074.300	4072.455	79.688	473.445
3	22:27:17	29798.233	1361.002	9747.074	5457.292	1825.117	102744.720	4127.159	82.813	464.070
X		29480.389	1338.084	9667.333	5283.790	1764.692	100706.400	4078.707	76.042	485.946
?		311.036	20.809	126.126	181.822	52.701	1807.174	45.648	9.155	30.137
%RSD		1.055	1.555	1.305	3.441	2.986	1.794	1.119	12.040	6.202

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:24:59	728.144	292.190	2195.481	608.346	142.188	142.188	372.401	25.000	30.729
2	22:26:08	810.961	304.691	2232.987	598.971	195.314	195.314	376.047	33.333	23.958
3	22:27:17	798.460	276.565	2289.246	594.283	170.314	170.314	373.963	31.250	22.917
X		779.188	291.149	2239.238	600.533	169.272	169.272	374.137	29.861	25.868
?		44.645	14.092	47.194	7.161	26.578	26.578	1.829	4.337	4.242
%RSD		5.730	4.840	2.108	1.192	15.701	15.701	0.489	14.523	16.398

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	22:24:59	69154.478	618125.520	3639.526	860.963	3547.315	3514.495	3908.347	2265.805	5824.625
2	22:26:08	69320.907	619717.310	3147.222	726.581	3178.479	3547.315	4141.225	2248.615	5941.860
3	22:27:17	70507.945	629323.900	3053.451	709.393	3333.201	3786.439	4247.506	2354.882	6060.660
X		69661.110	622388.910	3280.066	765.646	3352.998	3616.083	4099.026	2289.767	5942.382
?		738.087	6058.380	314.812	82.994	185.214	148.443	173.473	57.042	118.019
%RSD		1.060	0.973	9.598	10.840	5.524	4.105	4.232	2.491	1.986

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	22:24:59	4.688	418002.230	306.253	346.879	14.063	14.063	296.878	40.625	314.066
2	22:26:08	4.688	419266.600	325.004	296.878	12.500	12.500	298.441	15.625	309.378
3	22:27:17	0.000	422679.050	350.004	312.503	15.625	15.625	312.503	31.250	295.316
X		3.125	419982.630	327.087	318.754	14.063	14.063	302.607	29.167	306.253
?		2.706	2419.230	21.950	25.580	1.563	1.563	8.606	12.630	9.758
%RSD		86.603	0.576	6.711	8.025	11.111	11.111	2.844	43.301	3.186

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	22:24:59	234.377	5272.848	9226.416	1064194.100	1140567.900	214.064	485.946	643.765	635.952
2	22:26:08	220.314	5133.735	9137.296	1070555.000	1147909.900	156.251	410.943	660.953	609.388
3	22:27:17	200.001	5235.334	9398.403	1079937.300	1155827.300	195.314	342.192	703.142	590.637
X		218.231	5213.972	9254.038	1071562.100	1148101.700	188.543	413.027	669.287	611.992
?		17.282	71.975	132.727	7919.735	7631.519	29.495	71.900	30.554	22.769
%RSD		7.919	1.380	1.434	0.739	0.665	15.644	17.408	4.565	3.721

Run	Time	208Pb	209Bi	232Th	238U
1	22:24:59	1556.335	985813.930	421.881	489.071
2	22:26:08	1398.506	990659.040	357.817	481.258
3	22:27:17	1542.271	1002667.400	356.254	479.696
X		1499.037	993046.810	378.651	483.342
?		87.346	8676.765	37.447	5.023
%RSD		5.827	0.874	9.890	1.039

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:32:57	45285.727	4.167	595.325	1217.239	32616169.000	17326.125	2397.076	2922.174	33235.491
2	22:34:06	46905.002	4.688	589.075	1195.363	33539219.000	18122.425	2445.522	2934.676	34515.082
3	22:35:15	45696.406	7.813	610.951	1059.414	32912379.000	17451.278	2481.466	2950.305	33569.082
X		45962.378	5.556	598.450	1157.339	33022589.000	17633.276	2441.354	2935.718	33773.219
?		841.765	1.972	11.268	85.508	471290.680	428.212	42.349	14.094	663.771
%RSD		1.831	35.493	1.883	7.388	1.427	2.428	1.735	0.480	1.965

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:32:57	279415.470	1386.005	94333.873	482846.180	2218735.400	2859.661	50387.141	166862.600	18.750
2	22:34:06	291579.980	1484.452	97361.900	497333.820	2259335.100	3192.544	52497.846	170740.840	37.500
3	22:35:15	281821.410	1406.319	95101.437	488421.620	2225338.900	3150.347	51541.248	167774.750	31.250
X		284272.290	1425.592	95599.070	489533.870	2234469.800	3067.518	51475.412	168459.400	29.167
?		6441.964	51.976	1574.156	7307.583	21785.629	181.241	1056.892	2027.740	9.547
%RSD		2.266	3.646	1.647	1.493	0.975	5.908	2.053	1.204	32.733

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:32:57	16971.012	743.769	5719.895	5275.974	637.514	83776.178	2584.609	40.625	135.938
2	22:34:06	16794.241	751.582	5512.001	5277.537	632.827	85204.903	2598.674	29.688	95.313
3	22:35:15	16856.814	765.646	5785.546	5183.753	617.201	84903.114	2647.120	32.813	137.501
X		16874.022	753.666	5672.481	5245.755	629.181	84628.065	2610.134	34.375	122.917
?		89.633	11.086	142.804	53.701	10.636	753.029	32.794	5.634	23.919
%RSD		0.531	1.471	2.517	1.024	1.690	0.890	1.256	16.389	19.459

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:32:57	251.565	135.938	609.388	296.878	93.750	93.750	356.775	35.417	29.167
2	22:34:06	248.440	98.438	612.513	280.211	93.750	93.750	392.193	27.604	28.125
3	22:35:15	281.253	107.813	621.889	275.003	87.500	87.500	359.900	25.521	28.125
X		260.419	114.063	614.597	284.031	91.667	91.667	369.623	29.514	28.472
?		18.110	19.516	6.505	11.427	3.608	3.608	19.609	5.217	0.601
%RSD		6.954	17.110	1.058	4.023	3.936	3.936	5.305	17.676	2.112

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	22:32:57	14106.962	124535.780	526.572	110.938	673.453	951.594	1028.162	550.011	1518.831
2	22:34:06	14221.137	127368.400	498.446	118.750	726.581	929.718	1028.162	540.635	1476.639
3	22:35:15	13966.199	124871.500	576.574	135.938	678.141	812.523	928.155	520.322	1384.442
X		14098.099	125591.890	533.864	121.876	692.725	897.945	994.826	536.989	1459.971
?		127.700	1547.631	39.571	12.790	29.414	74.782	57.739	15.176	68.727
%RSD		0.906	1.232	7.412	10.494	4.246	8.328	5.804	2.826	4.707

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	22:32:57	0.000	416252.230	303.128	100.000	6.250	6.250	112.500	26.563	257.815
2	22:34:06	1.563	426015.040	268.753	109.375	3.125	3.125	117.188	32.813	259.377
3	22:35:15	0.000	421271.180	335.941	110.938	6.250	6.250	107.813	31.250	239.065
X		0.521	421179.480	302.607	106.771	5.208	5.208	112.500	30.208	252.086
?		0.902	4882.051	33.597	5.916	1.804	1.804	4.688	3.253	11.304
%RSD		173.205	1.159	11.103	5.540	34.641	34.641	4.167	10.767	4.484

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	22:32:57	160.938	1070.353	1923.567	1057253.000	1129472.100	118.750	276.565	162.501	142.188
2	22:34:06	129.688	1087.541	1895.438	1069873.900	1144823.200	117.188	320.316	139.063	118.750
3	22:35:15	140.626	1032.850	1923.567	1066591.500	1135859.300	118.750	273.440	203.126	129.688
X		143.751	1063.581	1914.191	1064572.800	1136718.200	118.230	290.107	168.230	130.209
?		15.858	27.967	16.240	6548.145	7711.523	0.902	26.208	32.414	11.728
%RSD		11.031	2.630	0.848	0.615	0.678	0.763	9.034	19.267	9.007

Run	Time	208Pb	209Bi	232Th	238U
1	22:32:57	360.942	999490.360	335.941	104.688
2	22:34:06	323.441	1017363.200	354.692	125.001
3	22:35:15	360.942	1013196.200	323.441	112.500
X		348.442	1010016.600	338.025	114.063
?		21.651	9351.053	15.729	10.246
%RSD		6.214	0.926	4.653	8.983

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:40:56	46516.234	4.688	2264.242	1593.839	156153300.000	89262.378	12480.449	14878.056	109162.360
2	22:42:05	44287.292	7.292	2103.280	1568.836	150458130.000	86223.487	11853.353	14113.218	103818.060
3	22:43:14	44053.759	6.771	2079.839	1576.650	152565400.000	85800.640	12012.861	14186.728	104965.460
X		44952.428	6.250	2149.120	1579.775	153058940.000	87095.502	12115.554	14392.667	105981.960
?		1359.320	1.378	100.385	12.791	2879483.300	1888.443	325.917	421.963	2813.423
%RSD		3.024	22.048	4.671	0.810	1.881	2.168	2.690	2.932	2.655

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:40:56	1110153.300	1218.802	388764.120	1387947.200	9010957.300	14635.618	240947.770	167499.680	89.063
2	22:42:05	1044533.700	1260.993	371541.360	1365005.500	8711986.600	14272.751	235065.040	164241.870	59.375
3	22:43:14	1062151.800	1150.046	375232.860	1385652.100	8834867.400	14244.598	236604.200	163012.280	110.938
X		1072279.600	1209.947	378512.780	1379534.900	8852603.800	14384.323	237539.000	164917.940	86.459
?		33961.928	56.001	9067.759	12635.081	150272.440	218.083	3050.744	2318.836	25.880
%RSD		3.167	4.628	2.396	0.916	1.697	1.516	1.284	1.406	29.933

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:40:56	32087.558	1504.767	11008.928	4974.303	1676.661	100206.470	4025.567	73.438	406.256
2	22:42:05	33514.266	1507.892	11335.746	5022.758	1604.778	98106.027	3802.068	51.563	420.319
3	22:43:14	34272.311	1511.017	11567.181	5014.943	1657.909	96364.547	3678.599	60.938	418.756
X		33291.379	1507.892	11303.952	5004.001	1646.449	98225.681	3835.411	61.979	415.110
?		1109.300	3.125	280.481	26.014	37.287	1923.754	175.871	10.975	7.708
%RSD		3.332	0.207	2.481	0.520	2.265	1.959	4.585	17.707	1.857

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:40:56	642.202	281.253	1723.542	658.869	203.126	203.126	369.276	38.021	32.813
2	22:42:05	673.453	235.939	1731.355	646.890	212.502	212.502	341.150	40.104	20.313
3	22:43:14	629.701	259.377	1826.679	710.434	228.127	228.127	354.692	31.250	28.646
X		648.452	258.857	1760.525	672.064	214.585	214.585	355.039	36.458	27.257
?		22.536	22.661	57.424	33.765	12.630	12.630	14.066	4.629	6.365
%RSD		3.475	8.754	3.262	5.024	5.886	5.886	3.962	12.697	23.351

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	22:40:56	63963.188	569148.950	1973.574	460.945	2439.271	2967.496	3303.507	1925.130	4774.235
2	22:42:05	61632.664	553672.260	1782.924	354.692	2270.493	2822.154	3294.130	1712.603	4541.347
3	22:43:14	63294.595	559872.660	1682.912	357.817	2345.505	2806.526	3337.890	1804.802	4707.025
X		62963.482	560897.960	1813.136	391.151	2351.756	2865.392	3311.842	1814.178	4674.202
?		1200.026	7789.118	147.668	60.463	84.562	88.769	23.040	106.573	119.864
%RSD		1.906	1.389	8.144	15.458	3.596	3.098	0.696	5.874	2.564

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	22:40:56	4.688	410882.910	309.378	159.376	6.250	6.250	143.751	39.063	298.441
2	22:42:05	6.250	398553.400	304.691	156.251	10.938	10.938	134.376	32.813	332.816
3	22:43:14	7.813	399035.320	275.003	132.813	6.250	6.250	123.438	23.438	326.566
X		6.250	402823.880	296.357	149.480	7.813	7.813	133.855	31.771	319.274
?		1.563	6983.486	18.642	14.518	2.706	2.706	10.166	7.864	18.311
%RSD		25.000	1.734	6.290	9.712	34.641	34.641	7.595	24.754	5.735

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	22:40:56	101.563	4713.277	8493.149	1059402.200	1134193.900	192.189	492.196	742.207	679.704
2	22:42:05	128.126	4766.420	8477.515	1044448.100	1115611.100	167.188	435.944	671.891	629.701
3	22:43:14	120.313	4697.647	8602.589	1053135.200	1123455.600	132.813	360.942	759.395	629.701
X		116.667	4725.782	8524.418	1052328.500	1124420.200	164.063	429.694	724.498	646.369
?		13.652	36.051	68.149	7509.628	9328.842	29.811	65.850	46.362	28.869
%RSD		11.701	0.763	0.799	0.714	0.830	18.170	15.325	6.399	4.466

Run	Time	208Pb	209Bi	232Th	238U
1	22:40:56	1500.079	981986.800	162.501	501.571
2	22:42:05	1529.769	975356.460	167.188	485.946
3	22:43:14	1553.209	981313.100	137.501	471.883
X		1527.686	979552.120	155.730	486.467
?		26.627	3649.132	15.960	14.851
%RSD		1.743	0.373	10.249	3.053

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:48:54	44522.396	4781.529	2307.999	1448.511	160062900.000	89949.481	12223.978	14876.492	1348588.200
2	22:50:04	44923.649	4888.336	2167.352	1582.900	160047860.000	89175.903	12610.251	14776.388	1342340.400
3	22:51:12	44892.300	4855.512	2336.129	1551.647	160086750.000	89908.599	12471.066	14715.388	1342085.200
X		44779.448	4841.793	2270.493	1527.686	160065840.000	89677.994	12435.098	14789.422	1344337.900
?		223.165	54.709	90.423	70.326	19610.882	435.304	195.632	81.339	3683.031
%RSD		0.498	1.130	3.983	4.603	0.012	0.485	1.573	0.550	0.274

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:48:54	1106130.400	1145.358	389788.340	1140000.100	9243810.600	15412.998	247688.150	163767.720	87.500
2	22:50:04	1109026.900	1104.730	388293.770	1154771.800	9245891.600	14881.184	247416.310	163219.310	107.813
3	22:51:12	1105880.900	1225.053	390992.460	1159755.400	9257213.400	14640.311	248031.530	164608.550	103.125
X		1107012.700	1158.380	389691.520	1151509.100	9248971.900	14978.164	247712.000	163865.190	99.480
?		1748.792	61.209	1351.948	10273.844	7212.791	395.367	308.302	699.731	10.636
%RSD		0.158	5.284	0.347	0.892	0.078	2.640	0.124	0.427	10.691

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:48:54	571273.460	205906.100	33891.718	87870.980	732571.380	1407216.600	35489.340	645552.620	139149.400
2	22:50:04	576115.320	204714.150	34067.134	87440.224	729713.350	1399321.200	35694.538	640849.370	139936.730
3	22:51:12	575419.350	205853.790	33869.791	86300.512	734557.050	1400631.400	35318.605	640089.870	138863.830
X		574269.380	205491.350	33942.881	87203.905	732280.590	1402389.700	35500.828	642163.950	139316.660
?		2617.773	673.579	108.164	811.466	2434.907	4231.206	188.229	2959.143	555.657
%RSD		0.456	0.328	0.319	0.931	0.333	0.302	0.530	0.461	0.399

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:48:54	173462.390	84560.466	124132.290	8787.077	1407.882	1407.882	4221.457	1739.689	28.646
2	22:50:04	174597.980	86190.476	123659.460	8839.192	1409.445	1409.445	4421.517	1705.831	32.292
3	22:51:12	174196.240	84579.327	122067.740	8806.881	1423.508	1423.508	4365.771	1782.924	33.333
X		174085.540	85110.089	123286.500	8811.050	1413.612	1413.612	4336.249	1742.815	31.424
?		575.829	935.690	1081.629	26.307	8.606	8.606	103.246	38.641	2.461
%RSD		0.331	1.099	0.877	0.299	0.609	0.609	2.381	2.217	7.833

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	22:48:54	66220.312	580975.060	1506.329	382.818	2101.717	2497.093	2953.430	1793.863	4345.974
2	22:50:04	65369.532	583072.020	1425.071	315.628	2022.018	2798.712	3067.517	1703.227	4400.678
3	22:51:12	65407.204	575807.980	1315.686	301.566	2086.090	2690.878	3039.386	1746.982	4491.331
X		65665.683	579951.690	1415.695	333.337	2069.942	2662.228	3020.111	1748.024	4412.661
?		480.692	3738.585	95.667	43.424	42.232	152.837	59.435	45.327	73.416
%RSD		0.732	0.645	6.758	13.027	2.040	5.741	1.968	2.593	1.664

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	22:48:54	1.563	401768.150	1700.101	32441.481	1020.349	1020.349	31307.706	16029.300	278.128
2	22:50:04	3.125	399355.010	1640.719	32010.824	1035.975	1035.975	30552.949	15957.345	275.003
3	22:51:12	7.813	396894.080	1773.548	31598.971	1095.355	1095.355	31016.447	15957.345	315.628
X		4.167	399339.080	1704.789	32017.092	1050.560	1050.560	30959.034	15981.330	289.586
?		3.253	2437.072	66.538	421.290	39.573	39.573	380.640	41.544	22.607
%RSD		78.062	0.610	3.903	1.316	3.767	3.767	1.229	0.260	7.807

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	22:48:54	120403.710	464428.530	830931.130	1041053.900	1108937.500	116386.240	284119.390	39788.144	34193.999
2	22:50:04	120433.640	461688.710	827574.120	1033279.700	1105215.000	114325.950	278983.710	39954.231	34338.094
3	22:51:12	118536.630	458412.260	824069.020	1033705.800	1096072.800	114962.280	279045.850	40148.525	34012.316
X		119791.320	461509.840	827524.750	1036013.100	1103408.400	115224.820	280716.320	39963.633	34181.470
?		1086.704	3012.125	3431.323	4370.609	6619.912	1054.937	2947.312	180.374	163.250
%RSD		0.907	0.653	0.415	0.422	0.600	0.916	1.050	0.451	0.478

Run	Time	208Pb	209Bi	232Th	238U
1	22:48:54	84209.967	958712.650	226.564	489.071
2	22:50:04	83963.208	951910.890	215.627	453.132
3	22:51:12	82434.029	941390.690	195.314	482.821
X		83535.735	950671.410	212.502	475.008
?		962.050	8727.245	15.858	19.201
%RSD		1.152	0.918	7.462	4.042

Reviewed by jaswal
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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:56:53	45219.894	5.208	2068.900	1551.647	139943540.000	80466.609	11321.672	13464.154	86669.926
2	22:58:02	45630.572	6.771	2057.961	1481.327	141445910.000	80881.442	11216.902	13370.316	85219.049
3	22:59:12	46282.664	8.854	2167.352	1504.767	146784050.000	85711.042	11786.110	13933.354	88532.860
X		45711.043	6.944	2098.071	1512.580	142724500.000	82353.031	11441.561	13589.275	86807.278
?		535.936	1.829	60.248	35.805	3595029.600	2915.510	302.951	301.652	1661.170
%RSD		1.172	26.339	2.872	2.367	2.519	3.540	2.648	2.220	1.914

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:56:53	892061.960	1134.420	358931.290	1233733.900	7731577.800	12829.196	216964.850	164671.770	101.563
2	22:58:02	885450.310	1154.734	356566.920	1263093.900	7726797.700	13146.671	215821.160	161874.450	78.125
3	22:59:12	929908.420	1179.736	373755.820	1329806.500	8053377.500	13653.396	224041.580	165626.470	131.251
X		902473.560	1156.297	363084.680	1275544.800	7837251.000	13209.754	218942.530	164057.560	103.646
?		23988.163	22.698	9316.789	49231.620	187186.270	415.706	4452.779	1949.961	26.624
%RSD		2.658	1.963	2.566	3.860	2.388	3.147	2.034	1.189	25.687

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:56:53	31313.970	1190.675	10586.734	4372.544	1270.369	89524.951	3769.247	176.564	239.065
2	22:58:02	32748.431	1153.172	11012.055	4522.591	1268.806	89427.469	3505.118	148.438	250.002
3	22:59:12	33796.179	1110.981	11277.887	4564.792	1334.437	91495.188	3766.121	173.439	260.940
X		32619.526	1151.609	10958.892	4486.642	1291.204	90149.203	3680.162	166.147	250.002
?		1246.115	39.870	348.630	101.040	37.449	1166.676	151.601	15.415	10.938
%RSD		3.820	3.462	3.181	2.252	2.900	1.294	4.119	9.278	4.375

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:56:53	660.953	265.627	1306.310	633.868	173.439	173.439	366.671	35.938	27.604
2	22:58:02	607.825	257.815	1468.826	655.744	201.564	201.564	350.004	32.292	29.688
3	22:59:12	670.328	279.690	1295.371	672.933	206.251	206.251	354.171	38.021	27.083
X		646.369	267.711	1356.836	654.182	193.751	193.751	356.949	35.417	28.125
?		33.707	11.086	97.140	19.579	17.747	17.747	8.674	2.900	1.378
%RSD		5.215	4.141	7.159	2.993	9.160	9.160	2.430	8.188	4.900

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	22:56:53	56048.799	492185.030	981.284	220.314	1806.364	2540.851	2884.666	1661.034	4194.366
2	22:58:02	56117.819	496481.490	918.780	192.189	1837.618	2470.526	3015.943	1625.092	4049.011
3	22:59:12	57484.173	510568.310	985.972	207.814	1832.930	2715.883	2847.159	1682.912	4461.634
X		56550.263	499744.940	962.012	206.772	1825.638	2575.753	2915.923	1656.346	4235.004
?		809.525	9616.330	37.513	14.092	16.855	126.347	88.627	29.193	209.292
%RSD		1.432	1.924	3.899	6.815	0.923	4.905	3.039	1.763	4.942

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	22:56:53	1.563	389631.010	251.565	167.188	6.250	6.250	128.126	50.000	246.877
2	22:58:02	3.125	390867.220	298.441	85.938	9.375	9.375	107.813	48.438	250.002
3	22:59:12	10.938	401464.480	264.065	109.375	10.938	10.938	107.813	37.500	334.379
X		5.208	393987.570	271.357	120.834	8.854	8.854	114.584	45.313	277.086
?		5.023	6504.626	24.274	41.820	2.387	2.387	11.728	6.811	49.642
%RSD		96.437	1.651	8.945	34.609	26.956	26.956	10.235	15.031	17.916

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	22:56:53	164.063	4383.485	7500.406	1010373.600	1074511.100	140.626	429.694	459.382	343.754
2	22:58:02	139.063	4238.129	7622.346	1002168.600	1073908.800	134.376	321.879	428.131	403.131
3	22:59:12	154.688	4353.788	7949.086	1030305.700	1092217.100	171.876	296.878	439.069	328.129
X		152.605	4325.134	7690.613	1014282.600	1080212.300	148.959	349.484	442.194	358.338
?		12.630	76.798	231.999	14470.137	10400.768	20.091	70.580	15.858	39.571
%RSD		8.276	1.776	3.017	1.427	0.963	13.488	20.196	3.586	11.043

Run	Time	208Pb	209Bi	232Th	238U
1	22:56:53	907.841	917393.100	109.375	392.193
2	22:58:02	951.594	921881.140	93.750	395.318
3	22:59:12	903.154	939366.890	112.500	398.443
X		920.863	926213.710	105.209	395.318
?		26.717	11609.923	10.046	3.125
%RSD		2.901	1.253	9.548	0.791

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UserPre-dilution:1.00

Inst Id :P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:04:53	45020.829	3.646	2289.246	1564.148	161010820.000	93097.678	12879.241	15270.657	101455.870
2	23:06:02	44312.369	3.646	2372.072	1615.716	161872910.000	92632.167	13101.317	15752.430	102217.520
3	23:07:11	44381.333	7.292	2257.991	1512.580	161814190.000	92391.554	12807.301	15248.759	99509.434
X		44571.510	4.861	2306.436	1564.148	161565970.000	92707.133	12929.286	15423.949	101060.940
?		390.646	2.105	58.951	51.568	481674.710	358.982	153.264	284.684	1396.568
%RSD		0.876	43.301	2.556	3.297	0.298	0.387	1.185	1.846	1.382

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	46Sc	47Ti
1	23:04:53	1053222.500	1264.118	398465.040	1379572.600	9032900.300	14446.363	250349.570	164820.350	84.375
2	23:06:02	1057291.600	1187.549	393033.260	1397536.700	9011863.900	14914.031	249373.340	162071.980	87.500
3	23:07:11	1038712.700	1123.482	390440.160	1392610.600	8993021.800	14951.570	246031.770	161526.800	76.563
X		1049742.300	1191.717	393979.490	1389906.600	9012595.300	14770.655	248584.890	162806.380	82.813
?		9766.204	70.411	4095.267	9282.266	19949.338	281.471	2264.306	1765.324	5.634
%RSD		0.930	5.908	1.039	0.668	0.221	1.906	0.911	1.084	6.803

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:04:53	33045.990	1296.934	11135.588	4697.647	1732.918	93457.831	3766.121	114.063	351.567
2	23:06:02	35099.316	1237.554	11604.712	4921.160	1653.221	93615.106	3717.671	89.063	323.441
3	23:07:11	35334.269	1173.486	11673.518	4794.554	1665.722	92753.262	3737.989	84.375	381.255
X		34493.191	1235.991	11471.272	4804.454	1683.954	93275.399	3740.594	95.834	352.088
?		1258.807	61.739	292.740	112.085	42.862	458.972	24.330	15.960	28.910
%RSD		3.649	4.995	2.552	2.333	2.545	0.492	0.650	16.654	8.211

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:04:53	743.769	315.628	1726.667	716.164	160.938	160.938	352.088	36.979	30.729
2	23:06:02	834.399	323.441	1853.245	708.351	190.626	190.626	345.838	30.729	26.563
3	23:07:11	740.644	334.379	1825.117	734.394	215.627	215.627	366.671	42.708	34.375
X		772.938	324.483	1801.676	719.636	189.064	189.064	354.866	36.806	30.556
?		53.250	9.419	66.465	13.364	27.378	27.378	10.691	5.991	3.909
%RSD		6.889	2.903	3.689	1.857	14.481	14.481	3.013	16.279	12.794

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	23:04:53	65324.012	572024.510	1243.804	259.377	2097.029	2970.621	3226.927	1787.612	4677.328
2	23:06:02	64849.985	578270.130	1067.227	264.065	2081.402	2936.239	3328.513	1826.679	4896.151
3	23:07:11	64749.531	579581.060	1121.919	246.877	2165.789	2990.938	3320.698	1815.740	4822.689
X		64974.509	576625.230	1144.317	256.773	2114.740	2965.933	3292.046	1810.011	4798.723
?		306.818	4037.898	90.394	8.885	44.895	27.649	56.530	20.154	111.363
%RSD		0.472	0.700	7.899	3.460	2.123	0.932	1.717	1.113	2.321

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	23:04:53	1.563	391856.270	292.190	90.625	10.938	10.938	76.563	25.000	285.940
2	23:06:02	3.125	396727.040	329.691	62.500	1.563	1.563	57.813	32.813	282.815
3	23:07:11	1.563	397933.340	253.127	50.000	6.250	6.250	62.500	50.000	310.941
X		2.083	395505.550	291.670	67.709	6.250	6.250	65.625	35.938	293.232
?		0.902	3217.407	38.285	20.807	4.688	4.688	9.758	12.790	15.416
%RSD		43.301	0.813	13.126	30.731	75.000	75.000	14.869	35.589	5.257

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	23:04:53	117.188	4868.017	8696.396	1029037.800	1098512.400	135.938	326.566	464.070	437.507
2	23:06:02	129.688	4921.160	8538.488	1036021.100	1104169.900	140.626	267.190	565.636	442.194
3	23:07:11	104.688	4949.295	8621.351	1035950.600	1105218.400	142.188	284.378	570.324	453.132
X		117.188	4912.824	8618.745	1033669.800	1102633.600	139.584	292.711	533.343	444.278
?		12.500	41.275	78.986	4011.635	3607.319	3.253	30.553	60.038	8.018
%RSD		10.667	0.840	0.916	0.388	0.327	2.330	10.438	11.257	1.805

Run	Time	208Pb	209Bi	232Th	238U
1	23:04:53	1092.229	951737.380	112.500	475.008
2	23:06:02	1125.044	961765.780	143.751	498.446
3	23:07:11	1078.166	964198.390	142.188	459.382
X		1098.480	959233.850	132.813	477.612
?		24.056	6605.088	17.609	19.662
%RSD		2.190	0.689	13.258	4.117

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:12:53	49018.329	9.896	2253.303	1620.404	160316060.000	96849.057	13398.468	15907.289	90627.181
2	23:14:02	46846.999	4.688	2329.878	1673.536	158575960.000	96798.717	13096.626	15841.591	87948.014
3	23:15:11	47992.981	3.646	2354.882	1586.026	161518080.000	98565.423	13669.036	15944.831	91838.002
X		47952.770	6.076	2312.687	1626.655	160136700.000	97404.399	13388.043	15897.904	90137.732
?		1086.223	3.348	52.926	44.089	1479238.100	1005.792	286.348	52.256	1990.646
%RSD		2.265	55.107	2.289	2.710	0.924	1.033	2.139	0.329	2.208

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:12:53	993702.060	1209.426	411355.600	1398183.100	8634434.100	14706.003	246487.970	174846.300	90.625
2	23:14:02	967147.440	1312.560	402547.450	1384906.700	8403785.400	14494.850	241554.770	170568.480	104.688
3	23:15:11	1014683.900	1264.118	416186.280	1426166.300	8654018.000	15098.600	248672.210	174966.510	93.750
X		991844.470	1262.035	410029.780	1403085.300	8564079.200	14766.484	245571.650	173460.430	96.354
?		23822.623	51.599	6915.405	21062.130	139163.370	306.385	3646.125	2505.219	7.384
%RSD		2.402	4.089	1.687	1.501	1.625	2.075	1.485	1.444	7.664

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:12:53	32468.104	1356.314	11024.565	5304.110	1417.258	98220.875	3992.745	81.250	264.065
2	23:14:02	33708.472	1270.369	11148.098	5147.802	1521.956	97300.547	3847.393	73.438	265.627
3	23:15:11	34959.912	1306.310	11717.303	4958.673	1492.265	98658.248	3894.281	50.000	300.003
X		33712.163	1310.998	11296.655	5136.862	1477.160	98059.890	3911.473	68.229	276.565
?		1245.908	43.164	369.491	172.978	53.959	693.019	74.186	16.263	20.313
%RSD		3.696	3.292	3.271	3.367	3.653	0.707	1.897	23.836	7.345

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:12:53	734.394	309.378	1317.248	658.869	178.126	178.126	369.796	31.771	28.646
2	23:14:02	754.707	304.691	1389.130	670.328	226.564	226.564	365.630	28.646	33.854
3	23:15:11	809.398	292.190	1357.877	693.246	189.064	189.064	344.796	38.542	29.167
X		766.166	302.087	1354.752	674.148	197.918	197.918	360.074	32.986	30.556
?		38.793	8.885	36.043	17.504	25.404	25.404	13.394	5.059	2.869
%RSD		5.063	2.941	2.660	2.596	12.836	12.836	3.720	15.336	9.388

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	23:12:53	63985.161	560941.510	864.089	209.377	1967.323	2762.767	3144.096	1786.049	4794.554
2	23:14:02	62560.120	553173.810	842.212	206.251	2042.334	2758.079	3048.763	1792.300	4883.647
3	23:15:11	63861.170	565454.950	823.461	181.251	1940.757	2844.033	3259.747	1840.744	4833.630
X		63468.817	559856.760	843.254	198.960	1983.471	2788.293	3150.869	1806.364	4837.277
?		789.393	6212.011	20.334	15.415	52.679	48.329	105.655	29.937	44.658
%RSD		1.244	1.110	2.411	7.748	2.656	1.733	3.353	1.657	0.923

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	23:12:53	4.688	425472.660	290.628	57.813	6.250	6.250	51.563	34.375	310.941
2	23:14:02	1.563	415660.360	310.941	54.688	9.375	9.375	59.375	43.750	285.940
3	23:15:11	0.000	421103.850	295.316	64.063	7.813	7.813	62.500	35.938	323.441
X		2.083	420745.630	298.961	58.854	7.813	7.813	57.813	38.021	306.774
?		2.387	4915.950	10.636	4.774	1.563	1.563	5.634	5.023	19.094
%RSD		114.564	1.168	3.558	8.111	20.000	20.000	9.745	13.210	6.224

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	23:12:53	117.188	4939.916	8663.564	1080304.100	1156541.100	121.876	278.128	478.133	400.006
2	23:14:02	110.938	4766.420	8521.291	1062573.700	1133413.500	112.500	201.564	459.382	371.880
3	23:15:11	110.938	4866.454	8658.873	1075535.600	1152901.300	114.063	228.127	490.633	395.318
X		113.021	4857.597	8614.576	1072804.500	1147618.700	116.146	235.939	476.050	389.068
?		3.608	87.087	80.821	9175.313	12435.876	5.023	38.875	15.729	15.069
%RSD		3.193	1.793	0.938	0.855	1.084	4.325	16.477	3.304	3.873

Run	Time	208Pb	209Bi	232Th	238U
1	23:12:53	978.158	998708.750	106.250	481.258
2	23:14:02	985.972	986797.210	75.000	467.195
3	23:15:11	1009.411	995489.010	98.438	500.009
X		991.180	993664.990	93.229	482.821
?		16.264	6161.694	16.263	16.463
%RSD		1.641	0.620	17.444	3.410

Reviewed by: jaswal
On 7/26/2012 11:43:57
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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:20:53	44580.389	6.771	2389.262	1573.524	171876430.000	102203.350	14230.522	16981.963	89463.632
2	23:22:02	44321.773	8.854	2436.145	1540.708	171828870.000	102695.930	14341.570	16570.542	88435.384
3	23:23:11	48055.692	6.250	2387.700	1607.903	180042400.000	106719.000	14765.439	17784.501	93151.150
X		45652.618	7.292	2404.369	1574.045	174582570.000	103872.760	14445.844	17112.335	90350.055
?		2085.136	1.378	27.530	33.600	4728413.500	2477.192	282.292	617.391	2479.702
%RSD		4.567	18.898	1.145	2.135	2.708	2.385	1.954	3.608	2.745

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	46Sc	47Ti
1	23:20:53	998725.480	1084.416	429807.380	1471764.900	9011441.500	15901.032	264418.410	161029.040	112.500
2	23:22:02	994749.440	1145.358	431043.810	1486169.800	9057058.200	15902.596	262020.140	160335.360	93.750
3	23:23:11	1061966.900	1234.428	457758.990	1552161.800	9393929.500	16606.522	276149.750	169365.230	96.875
X		1018480.600	1154.734	439536.730	1503365.500	9154143.100	16136.717	267529.430	163576.540	101.042
?		37712.669	75.444	15793.049	42868.216	208909.970	406.864	7561.110	5025.134	10.046
%RSD		3.703	6.533	3.593	2.851	2.282	2.521	2.826	3.072	9.942

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:20:53	34937.984	1132.857	11457.718	4692.958	1201.613	91803.406	3803.631	48.438	226.564
2	23:22:02	35912.270	1056.289	11920.596	4885.210	1200.050	91243.586	3744.241	73.438	240.627
3	23:23:11	37709.079	1225.053	12757.256	4964.925	1268.806	96200.950	3978.679	37.500	275.003
X		36186.444	1138.066	12045.190	4847.698	1223.490	93082.647	3842.184	53.125	247.398
?		1405.746	84.502	658.667	139.810	39.253	2714.997	121.881	18.422	24.919
%RSD		3.885	7.425	5.468	2.884	3.208	2.917	3.172	34.676	10.072

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:20:53	660.953	264.065	1045.351	714.080	206.251	206.251	323.441	37.500	26.563
2	23:22:02	723.456	260.940	1071.915	781.792	200.001	200.001	346.879	43.750	24.479
3	23:23:11	696.892	321.879	1148.484	787.001	275.003	275.003	338.546	44.792	28.646
X		693.767	282.294	1088.583	760.958	227.085	227.085	336.289	42.014	26.563
?		31.368	34.316	53.549	40.681	41.615	41.615	11.881	3.944	2.083
%RSD		4.521	12.156	4.919	5.346	18.326	18.326	3.533	9.387	7.843

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	23:20:53	68063.319	607784.780	954.719	223.439	1911.065	2770.581	3123.779	1748.545	4596.052
2	23:22:02	67906.324	603641.080	981.284	229.689	1987.638	2737.762	3156.599	1784.486	4757.042
3	23:23:11	70437.285	622855.720	995.347	207.814	1968.886	2922.174	3240.993	1839.181	5057.145
X		68802.309	611427.190	977.117	220.314	1955.863	2810.172	3173.790	1790.737	4803.413
?		1418.105	10111.924	20.632	11.268	39.913	98.374	60.468	45.640	234.018
%RSD		2.061	1.654	2.112	5.114	2.041	3.501	1.905	2.549	4.872

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	23:20:53	3.125	395059.910	260.940	51.563	6.250	6.250	53.125	21.875	228.127
2	23:22:02	7.813	390862.410	289.065	51.563	3.125	3.125	51.563	35.938	292.190
3	23:23:11	3.125	404991.650	292.190	50.000	4.688	4.688	62.500	18.750	220.314
X		4.688	396971.320	280.732	51.042	4.688	4.688	55.729	25.521	246.877
?		2.706	7255.965	17.211	0.902	1.563	1.563	5.916	9.155	39.436
%RSD		57.735	1.828	6.131	1.767	33.333	33.333	10.615	35.874	15.974

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	23:20:53	78.125	5135.298	9248.305	1033927.300	1104124.400	103.125	260.940	364.067	354.692
2	23:22:02	110.938	5186.879	8962.185	1024357.800	1095520.200	87.500	220.314	390.630	370.317
3	23:23:11	131.251	5014.943	9106.026	1047435.000	1118728.800	82.813	195.314	442.194	321.879
X		106.771	5112.373	9105.506	1035240.000	1106124.500	91.146	225.523	398.964	348.963
?		26.807	88.231	143.061	11594.480	11732.871	10.636	33.122	39.725	24.722
%RSD		25.107	1.726	1.571	1.120	1.061	11.669	14.687	9.957	7.085

Run	Time	208Pb	209Bi	232Th	238U
1	23:20:53	856.276	947917.400	148.438	484.383
2	23:22:02	875.027	944025.040	118.750	507.822
3	23:23:11	856.276	954593.840	104.688	554.698
X		862.526	948845.420	123.959	515.634
?		10.826	5345.167	22.335	35.803
%RSD		1.255	0.563	18.018	6.943

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User Pre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:28:51	47069.604	56077.034	10824.412	1203.176	33999387.000	28195058.000	3998469.500	4727548.800	7135172.700
2	23:30:00	46509.963	54993.668	10594.552	1131.295	33797513.000	27987840.000	3929523.100	4691338.300	7077613.800
3	23:31:09	45776.349	55249.862	10688.372	1201.613	33973861.000	28014491.000	3961395.200	4708521.700	7046304.800
X		46451.972	55440.188	10702.445	1178.695	33923587.000	28065796.000	3963129.300	4709136.200	7086363.800
?		648.575	566.205	115.574	41.057	109926.870	112734.190	34505.914	18113.061	45075.481
%RSD		1.396	1.021	1.080	3.483	0.324	0.402	0.871	0.385	0.636

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:28:51	84505.454	349886.000	58700.040	238613.770	17525323.000	85701.611	1407127.100	167245.160	45105.470
2	23:30:00	84543.176	342200.020	58042.674	234944.330	17294386.000	83274.821	1382512.400	165971.060	44130.558
3	23:31:09	84640.626	346868.420	58635.714	231285.340	17473299.000	84430.010	1396087.500	166527.470	44376.631
X		84563.085	346318.150	58459.476	234947.810	17431003.000	84468.814	1395242.400	166581.230	44537.553
?		69.750	3872.422	362.391	3664.217	121139.210	1213.860	12329.084	638.751	506.987
%RSD		0.082	1.118	0.620	1.560	0.695	1.437	0.884	0.383	1.138

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:28:51	642384.830	600656.650	75613.644	2128938.800	1720648.700	35692715.000	927769.600	737417.670	161866.550
2	23:30:00	635736.150	592211.690	73395.873	2101171.000	1687565.100	35352398.000	914024.630	726326.830	159355.740
3	23:31:09	637617.270	595744.760	74565.971	2105505.000	1696984.400	35689154.000	922790.230	732574.670	160810.980
X		638579.420	596204.370	74525.163	2111871.600	1701732.700	35578089.000	921528.160	732106.390	160677.760
?		3427.171	4241.201	1109.449	14938.665	17045.251	195461.940	6958.857	5560.227	1260.693
%RSD		0.537	0.711	1.489	0.707	1.002	0.549	0.755	0.759	0.785

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:28:51	804530.880	387776.880	267100.430	110975.730	7272.163	7272.163	23624.205	9895.614	28.125
2	23:30:00	802165.780	385794.600	266528.960	110590.470	7173.676	7173.676	23237.113	9921.673	34.896
3	23:31:09	800717.520	384927.930	267243.700	111504.300	7172.112	7172.112	23364.925	9831.507	27.083
X		802471.390	386166.470	266957.700	111023.500	7205.984	7205.984	23408.747	9882.931	30.035
?		1924.961	1460.428	378.139	458.786	57.318	57.318	197.232	46.402	4.242
%RSD		0.240	0.378	0.142	0.413	0.795	0.795	0.843	0.470	14.123

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	23:28:51	123673.650	1088914.600	697682.070	154586.580	393450.770	236127.660	298235.580	147558.150	385263.360
2	23:30:00	121358.610	1086848.700	703822.550	157851.680	399634.540	234409.080	296118.790	146468.910	385786.570
3	23:31:09	122797.390	1095326.500	709172.970	159630.660	402142.530	235520.890	299609.190	148488.030	385505.700
X		122609.880	1090363.300	703559.200	157356.310	398409.280	235352.540	297987.860	147505.030	385518.540
?		1168.855	4420.675	5749.971	2558.268	4473.543	871.572	1758.339	1010.609	261.843
%RSD		0.953	0.405	0.817	1.626	1.123	0.370	0.590	0.685	0.068

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	23:28:51	1.563	403598.360	18796.733	68137.107	12727.542	12727.542	65314.594	172763.370	476911.100
2	23:30:00	9.375	396836.260	19045.500	66765.026	12838.579	12838.579	65200.010	172439.180	479300.030
3	23:31:09	3.125	402272.680	18801.427	67779.160	12735.362	12735.362	64809.175	172780.770	478657.130
X		4.688	400902.430	18881.220	67560.431	12767.161	12767.161	65107.927	172661.110	478289.420
?		4.134	3583.249	142.290	711.711	61.973	61.973	264.994	192.392	1236.183
%RSD		88.192	0.894	0.754	1.053	0.485	0.485	0.407	0.111	0.258

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	23:28:51	643446.670	634162.210	1136947.200	1015168.100	1082136.900	1252740.700	3026601.500	1054243.900	891551.860
2	23:30:00	652429.710	636804.050	1136644.800	1017493.900	1080252.000	1243881.700	2979648.800	1050865.900	895240.930
3	23:31:09	655156.600	640506.360	1143422.100	1018306.700	1084301.500	1254113.000	2999047.600	1061099.600	899675.680
X		650344.330	637157.540	1139004.700	1016989.600	1082230.100	1250245.100	3001766.000	1055403.200	895489.490
?		6127.173	3186.813	3828.572	1628.927	2026.398	5553.443	23594.117	5214.402	4067.611
%RSD		0.942	0.500	0.336	0.160	0.187	0.444	0.786	0.494	0.454

Run	Time	208Pb	209Bi	232Th	238U
1	23:28:51	2242635.300	928554.130	4973794.100	5129832.700
2	23:30:00	2260909.300	930593.100	5001978.300	5153698.600
3	23:31:09	2270834.600	939026.840	5019548.300	5206715.400
X		2258126.400	932724.690	4998440.200	5163415.600
?		14304.168	5552.222	23081.379	39351.635
%RSD		0.633	0.595	0.462	0.762

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:36:48	46975.545	14.583	251.565	1000.035	94190.746	2590.860	365.630	415.631	2389.262
2	23:37:57	45892.346	11.979	203.126	917.217	100299.300	3459.794	517.197	526.572	2611.176
3	23:39:06	46260.718	20.833	148.438	948.469	109089.940	5046.204	815.648	839.087	2961.244
X		46376.203	15.799	201.043	955.240	101193.330	3698.953	566.158	593.763	2653.894
?		550.757	4.550	51.595	41.822	7489.722	1245.020	228.970	219.579	288.374
%RSD		1.188	28.803	25.664	4.378	7.401	33.659	40.443	36.981	10.866

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:36:48	1878.249	1565.711	25029.720	215348.480	136601.550	18.750	670.328	167934.430	9.375
2	23:37:57	1853.245	1471.951	24319.120	213901.990	136125.160	34.375	728.144	162783.130	20.313
3	23:39:06	1897.001	1571.962	24517.896	212230.460	137306.700	39.063	706.267	164564.300	18.750
X		1876.165	1536.541	24622.245	213826.980	136677.810	30.729	701.580	165093.950	16.146
?		21.952	56.024	366.613	1560.362	594.449	10.636	29.191	2616.176	5.916
%RSD		1.170	3.646	1.489	0.730	0.435	34.611	4.161	1.585	36.638

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:36:48	10530.442	684.391	3667.658	5410.399	429.694	82258.018	2454.898	79.688	37.500
2	23:37:57	10438.187	609.388	3705.168	5365.070	542.198	81334.000	2343.942	75.000	73.438
3	23:39:06	10360.005	618.763	3467.608	5505.748	567.199	82628.900	2350.193	171.876	59.375
X		10442.878	637.514	3613.478	5427.073	513.030	82073.640	2383.011	108.855	56.771
?		85.315	40.867	127.712	71.806	73.246	666.849	62.334	54.628	18.110
%RSD		0.817	6.410	3.534	1.323	14.277	0.813	2.616	50.185	31.900

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:36:48	204.689	81.250	170.314	172.397	45.313	45.313	351.046	29.167	30.208
2	23:37:57	189.064	89.063	146.876	164.063	51.563	51.563	359.380	22.917	34.375
3	23:39:06	235.939	107.813	168.751	169.793	42.188	42.188	368.234	26.042	36.979
X		209.897	92.709	161.980	168.751	46.354	46.354	359.553	26.042	33.854
?		23.868	13.651	13.104	4.263	4.774	4.774	8.595	3.125	3.415
%RSD		11.371	14.725	8.090	2.526	10.298	10.298	2.391	12.000	10.088

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	23:36:48	59.375	153.126	775.021	162.501	473.445	431.257	467.195	239.065	609.388
2	23:37:57	65.625	242.190	760.958	178.126	440.632	264.065	337.504	159.376	457.820
3	23:39:06	67.188	359.380	717.206	156.251	346.879	206.251	250.002	146.876	376.567
X		64.063	251.565	751.061	165.626	420.319	300.524	351.567	181.772	481.258
?		4.134	103.446	30.151	11.267	65.683	116.849	109.277	50.009	118.167
%RSD		6.453	41.121	4.015	6.803	15.627	38.882	31.083	27.512	24.554

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	23:36:48	4.688	423761.990	300.003	289.065	7.813	7.813	303.128	23.438	1131.295
2	23:37:57	1.563	417177.060	281.253	284.378	4.688	4.688	275.003	43.750	815.648
3	23:39:06	3.125	419903.660	257.815	307.816	4.688	4.688	239.065	34.375	726.581
X		3.125	420280.900	279.690	293.753	5.729	5.729	272.398	33.854	891.175
?		1.563	3308.634	21.138	12.402	1.804	1.804	32.111	10.166	212.665
%RSD		50.000	0.787	7.557	4.222	31.492	31.492	11.788	30.030	23.863

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	23:36:48	2200.169	56.250	75.000	1036061.400	1103876.600	423.444	937.531	167.188	168.751
2	23:37:57	1543.833	76.563	106.250	1032202.800	1100512.600	407.818	970.345	207.814	140.626
3	23:39:06	1207.864	118.750	175.001	1038368.600	1107726.900	451.570	1137.545	253.127	220.314
X		1650.622	83.854	118.751	1035544.300	1104038.700	427.611	1015.141	209.377	176.564
?		504.699	31.882	51.159	3115.289	3609.907	22.171	107.268	42.991	40.415
%RSD		30.576	38.020	43.081	0.301	0.327	5.185	10.567	20.533	22.890

Run	Time	208Pb	209Bi	232Th	238U
1	23:36:48	403.131	997123.890	6037.213	759.395
2	23:37:57	412.506	994480.060	3988.057	706.267
3	23:39:06	512.509	997510.470	3300.381	946.906
X		442.715	996371.470	4441.884	804.190
?		60.625	1649.379	1423.738	126.419
%RSD		13.694	0.166	32.053	15.720

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:44:46	44205.790	9.896	1951.696	1386.005	141201400.000	92635.312	12558.643	15402.048	69722.855
2	23:45:55	46033.423	9.896	1986.076	1532.895	145924300.000	96351.962	13367.188	15613.215	72855.618
3	23:47:04	46389.259	14.583	2065.774	1495.391	146505940.000	97305.266	13387.520	15802.485	72852.477
X		45542.824	11.458	2001.182	1471.430	144543880.000	95430.847	13104.450	15605.916	71810.317
?		1171.495	2.706	58.520	76.320	2909248.700	2467.480	472.793	200.318	1807.795
%RSD		2.572	23.619	2.924	5.187	2.013	2.586	3.608	1.284	2.517

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:44:46	788448.490	1054.726	364972.110	1224398.500	7184331.900	12833.887	216376.340	161762.250	96.875
2	23:45:55	821755.350	1117.231	376240.090	1263271.100	7357197.400	13576.761	222173.680	166312.490	103.125
3	23:47:04	832041.480	1139.108	382349.110	1275795.300	7414753.900	13669.036	224147.920	165526.880	81.250
X		814081.770	1103.689	374520.440	1254488.300	7318761.100	13359.895	220899.310	164533.880	93.750
?		22787.058	43.791	8815.211	26800.392	119923.270	457.866	4039.477	2432.225	11.267
%RSD		2.799	3.968	2.354	2.136	1.639	3.427	1.829	1.478	12.019

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:44:46	30448.038	1295.371	10336.551	4821.126	1486.015	94656.308	3900.532	104.688	292.190
2	23:45:55	32317.764	1329.749	11210.647	4983.682	1418.821	96754.671	4013.064	100.000	287.503
3	23:47:04	33943.403	1346.939	11401.423	4952.421	1437.572	97490.900	3756.744	125.001	285.940
X		32236.402	1324.020	10982.874	4919.076	1447.469	96300.626	3890.113	109.896	288.545
?		1749.102	26.257	567.802	86.255	34.673	1470.832	128.477	13.289	3.253
%RSD		5.426	1.983	5.170	1.753	2.395	1.527	3.303	12.092	1.127

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:44:46	817.211	267.190	1209.426	593.241	212.502	212.502	360.942	33.854	25.521
2	23:45:55	746.895	287.503	1118.794	633.868	204.689	204.689	370.838	37.500	31.771
3	23:47:04	740.644	284.378	1139.108	648.452	207.814	207.814	376.567	43.229	34.375
X		768.250	279.690	1155.776	625.187	208.335	208.335	369.449	38.194	30.556
?		42.516	10.938	47.560	28.611	3.932	3.932	7.905	4.726	4.550
%RSD		5.534	3.911	4.115	4.576	1.887	1.887	2.140	12.373	14.892

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	23:44:46	55669.194	491939.280	17180.637	3805.194	7883.425	2079.839	3330.076	1343.813	3436.351
2	23:45:55	56826.863	506036.260	12275.584	2683.064	5791.799	2078.276	3064.391	1303.184	3395.716
3	23:47:04	56527.241	504555.550	9224.853	2122.033	4630.438	2175.166	2781.521	1300.059	3572.322
X		56341.099	500843.700	12893.691	2870.097	6101.887	2111.093	3058.663	1315.686	3468.130
?		600.863	7746.909	4013.748	857.026	1648.514	55.494	274.322	24.409	92.492
%RSD		1.066	1.547	31.130	29.861	27.016	2.629	8.969	1.855	2.667

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	23:44:46	1.563	393768.730	356.254	720.331	39.063	39.063	676.579	60.938	576.574
2	23:45:55	3.125	402102.360	314.066	781.271	15.625	15.625	720.331	50.000	571.886
3	23:47:04	1.563	403699.600	356.254	743.769	29.688	29.688	654.703	48.438	453.132
X		2.083	399856.900	342.192	748.457	28.125	28.125	683.871	53.125	533.864
?		0.902	5332.643	24.358	30.740	11.797	11.797	33.416	6.811	69.955
%RSD		43.301	1.334	7.118	4.107	41.944	41.944	4.886	12.820	13.104

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	23:44:46	414.069	4219.373	7672.372	1023613.400	1099963.200	1314.123	3222.238	492.196	356.254
2	23:45:55	431.257	4274.077	7773.990	1045420.200	1109912.200	868.776	2042.334	520.322	445.319
3	23:47:04	373.442	4300.647	7705.202	1034113.500	1103853.000	557.823	1646.970	485.946	420.319
X		406.256	4264.699	7717.188	1034382.400	1104576.100	913.574	2303.847	499.488	407.298
?		29.688	41.441	51.858	10905.849	5013.734	380.135	819.549	18.311	45.938
%RSD		7.308	0.972	0.672	1.054	0.454	41.610	35.573	3.666	11.279

Run	Time	208Pb	209Bi	232Th	238U
1	23:44:46	1195.363	953954.760	1121.919	793.772
2	23:45:55	1154.734	965664.490	1035.975	843.775
3	23:47:04	1000.035	951663.970	985.972	848.463
X		1116.711	957094.410	1047.955	828.670
?		103.066	7509.773	68.761	30.313
%RSD		9.229	0.785	6.561	3.658

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Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:52:44	48585.604	110.938	310.941	1014.099	437449.810	298947.100	41981.909	50347.941	17409.039
2	23:53:53	45859.428	109.375	309.378	1017.224	426834.270	291092.050	39871.187	48083.911	16700.381
3	23:55:02	46422.178	114.063	289.065	982.846	425760.750	291100.020	40808.203	48356.705	17025.765
X		46955.737	111.459	303.128	1004.723	430014.940	293713.060	40887.100	48929.519	17045.061
?		1439.279	2.387	12.204	19.010	6461.118	4532.816	1057.570	1235.939	354.723
%RSD		3.065	2.141	4.026	1.892	1.503	1.543	2.587	2.526	2.081

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:52:44	3550.441	3114.402	25380.338	247980.660	491405.760	864.089	15003.187	167679.900	443.757
2	23:53:53	3509.806	3034.697	25064.156	241578.610	479962.340	892.215	14311.853	163015.440	403.131
3	23:55:02	3466.045	3122.216	25010.937	239309.640	478960.810	865.651	14418.210	161980.330	428.131
X		3508.764	3090.439	25151.810	242956.300	483442.970	873.985	14577.750	164225.220	425.006
?		42.208	48.431	199.692	4496.683	6914.135	15.807	372.257	3036.274	20.493
%RSD		1.203	1.567	0.794	1.851	1.430	1.809	2.554	1.849	4.822

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:52:44	18535.454	3117.528	4302.210	23293.976	2348.631	387682.180	9872.160	1464.138	390.630
2	23:53:53	17793.887	3094.085	4277.203	22517.733	2256.428	374753.330	9484.397	1507.892	401.568
3	23:55:02	17635.879	3040.949	4133.410	22353.412	2204.858	375741.280	9506.287	1498.516	371.880
X		17988.407	3084.187	4237.608	22721.707	2269.972	379392.260	9620.948	1490.182	388.026
?		480.299	39.237	91.100	502.363	72.837	7196.253	217.831	23.037	15.015
%RSD		2.670	1.272	2.150	2.211	3.209	1.897	2.264	1.546	3.869

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:52:44	1857.933	971.908	1601.652	381.255	131.251	131.251	591.679	116.667	28.125
2	23:53:53	1790.737	868.776	1570.399	375.526	115.625	115.625	589.596	126.563	27.604
3	23:55:02	1734.480	882.840	1506.329	389.068	89.063	89.063	581.783	115.625	27.604
X		1794.384	907.841	1559.460	381.950	111.980	111.980	587.686	119.619	27.778
?		61.807	55.927	48.594	6.798	21.329	21.329	5.217	6.037	0.301
%RSD		3.444	6.160	3.116	1.780	19.047	19.047	0.888	5.047	1.083

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	23:52:44	345.317	2334.566	609.388	140.626	1578.212	2218.922	2390.825	1528.207	3795.817
2	23:53:53	265.627	2379.886	481.258	142.188	1514.143	2147.036	2433.020	1453.199	3725.486
3	23:55:02	289.065	2232.987	557.823	137.501	1537.583	2342.380	2387.700	1390.693	3636.400
X		300.003	2315.813	549.490	140.105	1543.313	2236.113	2403.848	1457.366	3719.234
?		40.955	75.223	64.470	2.387	32.417	98.800	25.312	68.852	79.892
%RSD		13.652	3.248	11.733	1.704	2.100	4.418	1.053	4.724	2.148

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	23:52:44	1.563	417498.760	254.690	1482.890	18.750	18.750	1523.519	387.505	4816.437
2	23:53:53	6.250	402481.570	262.502	1506.329	28.125	28.125	1531.332	351.567	4761.731
3	23:55:02	3.125	406071.670	325.004	1515.705	20.313	20.313	1362.565	335.941	4630.438
X		3.646	408684.000	280.732	1501.641	22.396	22.396	1472.472	358.338	4736.202
?		2.387	7842.015	38.539	16.903	5.023	5.023	95.262	26.440	95.591
%RSD		65.465	1.919	13.728	1.126	22.427	22.427	6.470	7.379	2.018

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	23:52:44	2806.526	2645.557	4732.034	1020086.600	1084644.900	2667.437	6306.079	2236.113	1882.937
2	23:53:53	2889.355	2626.804	4667.950	1003790.800	1061116.400	2618.990	6024.708	2184.542	1848.557
3	23:55:02	2769.018	2387.700	4460.071	997900.400	1057831.000	2573.669	6260.747	2333.003	1918.879
X		2821.633	2553.354	4620.018	1007259.300	1067864.100	2620.032	6197.178	2251.219	1883.458
?		61.574	143.767	142.176	11492.570	14625.161	46.892	151.074	75.375	35.164
%RSD		2.182	5.631	3.077	1.141	1.370	1.790	2.438	3.348	1.867

Run	Time	208Pb	209Bi	232Th	238U
1	23:52:44	4750.790	962473.650	7625.472	10228.661
2	23:53:53	4542.910	947195.210	8500.966	10031.646
3	23:55:02	4833.630	936200.060	9007.526	10255.242
X		4709.110	948622.970	8377.988	10171.850
?		149.775	13194.856	699.186	122.145
%RSD		3.181	1.391	8.346	1.201

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Inst Id :P6

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:00:42	45293.564	86.979	259.377	1075.040	435542.850	279380.420	38376.477	46304.610	16026.172
2	00:01:51	45107.038	120.834	264.065	957.845	447368.740	280827.120	38254.275	46509.963	15678.912
3	00:03:01	45266.917	104.688	248.440	951.594	465898.700	280753.820	38938.934	46031.856	16206.062
X		45222.506	104.167	257.294	994.826	449603.430	280320.450	38523.229	46282.143	15970.382
?		100.882	16.933	8.018	69.538	15300.810	814.921	365.159	239.844	267.967
%RSD		0.223	16.256	3.116	6.990	3.403	0.291	0.948	0.518	1.678

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:00:42	4109.966	3047.200	24794.936	215135.940	471621.010	859.401	13454.771	162614.030	428.131
2	00:01:51	4328.781	3092.522	24438.072	216960.090	473959.000	834.399	14067.861	163725.050	429.694
3	00:03:01	4413.182	3119.091	24788.676	217670.780	473169.400	745.332	13750.364	162840.020	406.256
X		4283.976	3086.271	24673.895	216588.940	472916.470	813.044	13757.665	163059.700	421.360
?		156.494	36.351	204.252	1307.544	1189.344	59.958	306.610	587.184	13.104
%RSD		3.653	1.178	0.828	0.604	0.251	7.375	2.229	0.360	3.110

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:00:42	16015.222	2708.069	3653.592	21991.915	1998.577	365161.230	9293.647	1398.506	346.879
2	00:01:51	16004.272	2686.190	3598.891	21998.174	2023.581	369048.280	9399.967	1467.263	357.817
3	00:03:01	15524.055	2898.732	3459.794	22092.069	2009.516	364624.330	9462.508	1475.076	378.130
X		15847.850	2764.330	3570.759	22027.386	2010.558	366277.950	9385.374	1446.948	360.942
?		280.468	116.908	99.915	56.105	12.534	2414.153	85.371	42.134	15.858
%RSD		1.770	4.229	2.798	0.255	0.623	0.659	0.910	2.912	4.394

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:00:42	1698.539	790.647	689.079	363.546	85.938	85.938	563.032	131.251	24.479
2	00:01:51	1653.221	787.522	693.767	352.088	125.001	125.001	614.597	105.209	21.875
3	00:03:01	1804.802	823.461	706.267	345.838	123.438	123.438	587.512	122.396	28.646
X		1718.854	800.543	696.371	353.824	111.459	111.459	588.380	119.619	25.000
?		77.806	19.909	8.885	8.981	22.116	22.116	25.793	13.241	3.415
%RSD		4.527	2.487	1.276	2.538	19.842	19.842	4.384	11.070	13.661

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	00:00:42	310.941	2237.675	487.508	125.001	1506.329	2237.675	2461.150	1364.128	3664.532
2	00:01:51	295.316	2240.801	517.197	115.625	1443.823	2261.116	2437.708	1425.071	3636.400
3	00:03:01	323.441	2406.453	501.571	104.688	1362.565	2222.048	2425.206	1393.818	3616.083
X		309.899	2294.976	502.092	115.105	1437.572	2240.280	2441.354	1394.339	3639.005
?		14.092	96.554	14.851	10.166	72.086	19.664	18.247	30.475	24.330
%RSD		4.547	4.207	2.958	8.832	5.014	0.878	0.747	2.186	0.669

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	00:00:42	4.688	411300.930	342.192	1465.700	21.875	21.875	1381.317	328.129	4713.277
2	00:01:51	0.000	412344.440	331.254	1414.133	34.375	34.375	1467.263	306.253	4853.950
3	00:03:01	3.125	409223.790	315.628	1521.956	20.313	20.313	1423.508	406.256	4742.975
X		2.604	410956.390	329.691	1467.263	25.521	25.521	1424.029	346.879	4770.067
?		2.387	1588.598	13.350	53.929	7.708	7.708	42.975	52.572	74.146
%RSD		91.652	0.387	4.049	3.675	30.201	30.201	3.018	15.156	1.554

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	00:00:42	2647.120	2428.331	4300.647	1014853.100	1082328.800	2483.028	6193.530	2114.219	1859.496
2	00:01:51	2670.562	2481.466	4496.020	1021848.200	1089121.700	2620.553	6484.284	2190.793	1886.062
3	00:03:01	2586.172	2440.834	4436.626	1018261.400	1085348.600	2645.557	6349.848	2195.481	1889.187
X		2634.618	2450.210	4411.098	1018320.900	1085599.700	2583.046	6342.554	2166.831	1878.249
?		43.562	27.780	100.157	3497.914	3403.430	87.516	145.514	45.624	16.315
%RSD		1.653	1.134	2.271	0.343	0.314	3.388	2.294	2.106	0.869

Run	Time	208Pb	209Bi	232Th	238U
1	00:00:42	4619.497	972358.980	8125.748	10192.697
2	00:01:51	4742.975	969913.340	9140.423	10446.005
3	00:03:01	4574.170	980047.700	9224.853	10241.170
X		4645.547	974106.670	8830.341	10293.291
?		87.366	5288.395	611.654	134.457
%RSD		1.881	0.543	6.927	1.306

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UserPre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:08:41	44274.753	53142.411	9898.741	1135.983	32854212.000	27095953.000	3811392.400	4521453.200	6761118.400
2	00:09:50	44862.520	53809.484	10492.915	1151.609	33401450.000	27525884.000	3854959.900	4591574.200	6930557.000
3	00:10:59	44665.027	54220.408	10183.316	1079.728	33519043.000	27653761.000	3888688.600	4611067.000	6899198.800
X		44600.767	53724.101	10191.657	1122.440	33258235.000	27425199.000	3851680.300	4574698.100	6863624.700
?		299.106	544.047	297.175	37.806	354799.980	292216.540	38752.301	47130.237	90147.097
%RSD		0.671	1.013	2.916	3.368	1.067	1.066	1.006	1.030	1.313

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:08:41	82217.159	330587.580	55592.333	202439.900	16925527.000	82166.871	1352046.400	161299.250	43500.505
2	00:09:50	83983.640	339190.450	56764.115	207223.380	17248841.000	83749.459	1391928.300	167162.960	44616.438
3	00:10:59	85489.407	336451.820	56055.073	209769.510	17173287.000	83722.741	1382412.800	164123.330	44423.651
X		83896.736	335409.950	56137.174	206477.600	17115885.000	83213.024	1375462.500	164195.180	44180.198
?		1637.854	4395.048	590.189	3721.284	169127.880	906.093	20829.597	2932.514	596.472
%RSD		1.952	1.310	1.051	1.802	0.988	1.089	1.514	1.786	1.350

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:08:41	613176.770	577910.700	71041.830	2039099.600	1657686.000	34662818.000	900452.070	712709.810	155207.320
2	00:09:50	630259.110	591342.390	73168.147	2096110.800	1700072.800	35701058.000	920600.840	729514.510	161413.020
3	00:10:59	625864.270	589065.210	72858.759	2086958.500	1694427.800	35439226.000	914671.970	727775.990	160929.490
X		623100.050	586106.100	72356.245	2074056.300	1684062.200	35267700.000	911908.290	723333.440	159183.280
?		8870.306	7188.173	1148.780	30617.294	23016.191	539954.790	10354.792	9241.303	3451.757
%RSD		1.424	1.226	1.588	1.476	1.367	1.531	1.136	1.278	2.168

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:08:41	780138.510	377035.650	262416.370	108959.780	6801.619	6801.619	23130.168	9874.766	30.729
2	00:09:50	795771.040	385818.670	265255.590	111698.000	7061.120	7061.120	23368.055	9924.279	29.688
3	00:10:59	791080.360	385090.030	266828.220	110600.440	7261.220	7261.220	23211.029	9862.778	34.375
X		788996.640	382648.120	264833.400	110419.410	7041.320	7041.320	23236.417	9887.275	31.597
?		8021.869	4874.170	2236.022	1378.054	230.439	230.439	120.959	32.603	2.461
%RSD		1.017	1.274	0.844	1.248	3.273	3.273	0.521	0.330	7.790

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	00:08:41	121601.280	1077741.300	694670.180	158647.930	395898.270	233022.610	297879.840	147646.560	382389.230
2	00:09:50	123787.130	1099156.100	715017.840	159926.130	407100.340	238510.510	301977.020	150066.900	392949.760
3	00:10:59	123957.340	1104520.500	714940.680	160396.990	405375.760	238909.280	304787.330	150469.540	390936.260
X		123115.250	1093806.000	708209.560	159657.020	402791.450	236814.130	301548.060	149394.330	388758.420
?		1313.892	14168.602	11725.514	905.050	6031.630	3289.602	3473.667	1526.944	5607.005
%RSD		1.067	1.295	1.656	0.567	1.497	1.389	1.152	1.022	1.442

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	00:08:41	4.688	403011.830	19034.548	67608.039	12860.474	12860.474	64532.929	173478.210	480724.850
2	00:09:50	9.375	406925.140	19436.651	68735.274	12904.263	12904.263	66460.486	176386.940	492060.540
3	00:10:59	3.125	405740.590	19258.285	69148.198	12960.564	12960.564	65661.492	176192.370	493405.760
X		5.729	405225.850	19243.161	68497.170	12908.434	12908.434	65551.636	175352.510	488730.380
?		3.253	2006.790	201.478	797.209	50.175	50.175	968.463	1626.103	6965.547
%RSD		56.773	0.495	1.047	1.164	0.389	0.389	1.477	0.927	1.425

Run	Time	121Sb	136Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	00:08:41	655202.380	642579.220	1142979.300	1029376.600	1105356.600	1288372.700	3069280.100	1088838.800	923369.680
2	00:09:50	669258.560	652807.330	1160752.000	1039402.400	1108052.300	1302207.700	3089368.700	1102787.800	934260.290
3	00:10:59	671207.830	651507.790	1159572.700	1036831.500	1116186.400	1307876.500	3120389.700	1103864.800	938261.760
X		665222.930	648964.780	1154434.700	1035203.500	1109865.100	1299485.600	3093012.900	1098497.100	931963.910
?		8732.603	5568.099	9938.129	5207.424	5637.860	10032.746	25748.906	8381.648	7707.041
%RSD		1.313	0.858	0.861	0.503	0.508	0.772	0.832	0.763	0.827

Run	Time	208Pb	209Bi	232Th	238U
1	00:08:41	2335725.600	967476.450	5205776.800	5413946.300
2	00:09:50	2350520.900	970681.740	5238855.900	5452769.900
3	00:10:59	2358026.400	966330.800	5241363.400	5448415.500
X		2348090.900	968162.990	5228665.400	5438377.200
?		11347.224	2255.255	19861.678	21269.538
%RSD		0.483	0.233	0.380	0.391

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Reviewed by: jaswal
On: 7/26/2012 11:43:57
Inst Id :P6

CCB15 07/26/2012 12:15:31AM

UserPre-dilution:1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:16:40	45792.024	16.667	239.065	923.467	83211.957	2994.064	421.881	568.761	2615.865
2	00:17:49	46654.182	16.667	173.439	959.407	82914.925	2947.179	375.005	523.447	2679.939
3	00:18:58	46182.340	22.396	134.376	1028.162	91037.591	6295.137	932.843	1012.536	3342.579
X		46209.516	18.576	182.293	970.346	85721.491	4078.793	576.576	701.581	2879.461
?		431.721	3.308	52.903	53.198	4606.273	1919.553	309.425	270.246	402.349
%RSD		0.934	17.806	29.021	5.482	5.374	47.062	53.666	38.520	13.973

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:16:40	1631.343	1606.340	24323.815	192880.870	133623.590	26.563	634.389	163669.730	12.500
2	00:17:49	1812.615	1595.402	24962.415	193172.270	133211.960	17.188	650.015	163127.650	10.938
3	00:18:58	1693.850	1614.154	24984.328	193279.960	137317.750	28.125	782.834	162267.940	18.750
X		1712.603	1605.299	24756.853	193111.040	134717.760	23.958	689.079	163021.770	14.063
?		92.079	9.419	375.182	206.471	2261.038	5.916	81.569	706.868	4.134
%RSD		5.377	0.587	1.515	0.107	1.678	24.691	11.837	0.434	29.397

Run	Time	51V	52Cr	53Cr O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:16:40	8458.754	618.763	2865.912	5194.694	490.633	81158.004	2314.250	82.813	40.625
2	00:17:49	7958.466	589.075	2733.074	5413.526	479.696	82283.163	2545.539	100.000	50.000
3	00:18:58	8027.255	668.766	2854.973	5521.379	637.514	84753.794	2400.202	146.876	56.250
X		8148.158	625.535	2817.986	5376.533	535.948	82731.653	2419.997	109.896	48.958
?		271.174	40.275	73.739	166.455	88.129	1839.371	116.908	33.158	7.864
%RSD		3.328	6.438	2.617	3.096	16.444	2.223	4.831	30.172	16.064

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:16:40	212.502	98.438	145.313	135.417	48.438	48.438	379.693	19.792	28.125
2	00:17:49	231.252	89.063	146.876	115.105	39.063	39.063	414.069	27.083	20.313
3	00:18:58	307.816	118.750	178.126	170.314	35.938	35.938	384.901	25.521	26.563
X		250.523	102.084	156.772	140.278	41.146	41.146	392.887	24.132	25.000
?		50.495	15.176	18.510	27.924	6.505	6.505	18.527	3.839	4.134
%RSD		20.156	14.866	11.807	19.906	15.810	15.810	4.716	15.909	16.536

Run	Time	86Sr	88Sr	90Zr	91Zr	94Mo	95Mo	96Mo	97Mo	98Mo
1	00:16:40	68.750	210.939	751.582	181.251	525.010	362.505	432.819	279.690	646.890
2	00:17:49	64.063	164.063	653.140	148.438	415.631	271.878	317.191	179.689	504.696
3	00:18:58	62.500	340.629	676.579	148.438	385.943	240.627	306.253	153.126	401.568
X		65.104	238.544	693.767	159.376	442.194	291.670	352.088	204.168	517.718
?		3.253	91.462	51.423	18.945	73.240	63.303	70.129	66.739	123.178
%RSD		4.996	38.342	7.412	11.887	16.563	21.704	19.918	32.688	23.792

Run	Time	99Ru	103Rh	106Cd	107Ag	108Mo O	108Cd	109Ag	111Cd	118Sn
1	00:16:40	4.688	409791.280	240.627	159.376	12.500	12.500	168.751	31.250	1043.788
2	00:17:49	6.250	412532.570	289.065	175.001	6.250	6.250	165.626	31.250	784.397
3	00:18:58	1.563	401612.300	262.502	171.876	4.688	4.688	134.376	56.250	682.829
X		4.167	407978.710	264.065	168.751	7.813	7.813	156.251	39.583	837.004
?		2.387	5681.297	24.257	8.268	4.134	4.134	19.009	14.434	186.141
%RSD		57.282	1.393	9.186	4.900	52.915	52.915	12.166	36.464	22.239

Run	Time	121Sb	135Ba	137Ba	159Tb	165Ho	203Tl	205Tl	206Pb	207Pb
1	00:16:40	2375.197	46.875	87.500	1018737.400	1081874.300	368.755	945.344	178.126	137.501
2	00:17:49	1537.583	40.625	101.563	1018687.100	1076874.800	337.504	917.217	135.938	159.376
3	00:18:58	1334.437	143.751	203.126	998819.210	1060758.400	554.698	1306.310	329.691	250.002
X		1749.073	77.084	130.730	1012081.200	1073169.200	420.319	1056.290	214.585	182.293
?		551.671	57.820	63.090	11485.287	11034.894	117.420	216.980	101.892	59.649
%RSD		31.541	75.009	48.260	1.135	1.028	27.936	20.542	47.483	32.722

Run	Time	208Pb	209Bi	232Th	238U
1	00:16:40	376.567	964276.870	5701.137	762.520
2	00:17:49	367.192	960286.710	3558.256	575.012
3	00:18:58	635.952	946619.830	3076.894	1023.474
X		459.904	957061.130	4112.096	787.002
?		152.534	9259.913	1397.039	225.231
%RSD		33.166	0.968	33.974	28.619

CHEMTECH

Instrument ID: P6

284 Sheffield Street, Mountainside, New Jersey 07092 Phone : 908 789 8900 Fax : 908 789 8922

Daily Analysis Runlog For Sequence / QCBatch ID # LB61768

Review By jaswal Review On 7/26/2012 11:43:57 AM

STD. NAME	STD REF.#
ICAL Standard	MP12257,MP12267,MP12268,MP12269,MP12270,MP12271
ICV Standard	MP12283
CCV Standard	MP12272
ICSA Standard	MP12273,MP12274,MP12275,MP12276
CRI Standard	
LCS Standard	
Chk Standard	MP12281,MP12278

Sr #	SampleId	ClientID	QcType	Date	Comment	Status
1	TUNE	TUNE	TUNE	07/25/12 11:48		OK
2	S0	S0	CAL1	07/25/12 12:19		OK
3	S1	S	CAL2	07/25/12 12:27		OK
4	S2	S	CAL3	07/25/12 12:35		OK
5	S3	S	CAL4	07/25/12 12:43		OK
6	S4	S	CAL5	07/25/12 12:51		OK
7	S5	S	CAL6	07/25/12 12:59		OK
8	ICV64	ICV64	ICV	07/25/12 13:07		OK
9	ICB64	ICB64	ICB	07/25/12 13:15		OK
10	ICSA64	ICSA64	ICSA	07/25/12 13:23		OK
11	ICSAB64	ICSAB64	ICSAB	07/25/12 13:30		OK
12	ICSA64	ICSA64	ICSA	07/25/12 13:38		OK
13	ICSAB54	ICSAB54	ICAB	07/25/12 13:46		OK
14	CCV08	CCV08	CCV	07/25/12 13:54		OK
15	CCB08	CCB08	CCB	07/25/12 14:02		OK
16	PB64537BL	PBW01	MB	07/25/12 14:10		OK
17	PB64538BL	PBW01	MB	07/25/12 14:18		OK
18	PB64539BL	PBW01	MB	07/25/12 14:26		OK
19	PB64537BS	LCS01	LCS	07/25/12 14:34		OK
20	PB64538BS	LCS01	LCS	07/25/12 14:42		OK
21	PB64539BS	LCS01	LCS	07/25/12 14:50		OK

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ICSA Standard	MP12273,MP12274,MP12275,MP12276
CRI Standard	
LCS Standard	
Chk Standard	MP12281,MP12278

22	D3485-01	MH3BQ1	SAM	07/25/12 14:58		OK
23	D3485-02	MH3BQ2	SAM	07/25/12 15:06		OK
24	D3485-03	MH3BQ3	SAM	07/25/12 15:14		OK
25	D3485-04	MH3BQ4	SAM	07/25/12 15:22		OK
26	CCV09	CCV09	CCV	07/25/12 15:30		OK
27	CCB09	CCB09	CCB	07/25/12 15:38		OK
28	D3485-05	MH3BQ5	SAM	07/25/12 15:45		OK
29	D3485-06	MH3BQ6	SAM	07/25/12 15:53		OK
30	D3485-07	MH3BQ7	SAM	07/25/12 16:01		OK
31	D3485-08	MH3BQ8	SAM	07/25/12 16:09		OK
32	D3485-09	MH3BQ9	SAM	07/25/12 16:17		OK
33	D3485-10	MH3BR0	SAM	07/25/12 16:25		OK
34	D3485-11	MH3BR1	SAM	07/25/12 16:33		OK
35	D3485-12	MH3BR2	SAM	07/25/12 16:41		OK
36	D3485-12D	MH3BR2D	DUP	07/25/12 16:49		OK
37	D3485-12L	MH3BR2L	SD	07/25/12 16:57		OK
38	CCV10	CCV10	CCV	07/25/12 17:05		OK
39	CCB10	CCB10	CCB	07/25/12 17:13		OK
40	D3485-13	MH3BR3	SAM	07/25/12 17:21		OK
41	D3485-14	MH3BR4	SAM	07/25/12 17:29		OK
42	D3485-15	MH3BR5	SAM	07/25/12 17:37		OK
43	D3485-16	MH3BR6	SAM	07/25/12 17:45		OK

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ICSA Standard	MP12273,MP12274,MP12275,MP12276
CRI Standard	
LCS Standard	
Chk Standard	MP12281,MP12278

44	D3485-17	MH3BR7	SAM	07/25/12 17:53		OK
45	D3485-18	MH3BR8	SAM	07/25/12 18:01		OK
46	D3485-18S	MH3BR8S	MS	07/25/12 18:09		OK
47	D3485-19	MH3BR9	SAM	07/25/12 18:16		OK
48	D3486-01	MH3BM4	SAM	07/25/12 18:24		OK
49	D3486-02	MH3BM5	SAM	07/25/12 18:32		OK
50	CCV11	CCV11	CCV	07/25/12 18:40		OK
51	CCB11	CCB11	CCB	07/25/12 18:48		OK
52	D3486-03	MH3BM6	SAM	07/25/12 18:56		OK
53	D3486-04	MH3BM7	SAM	07/25/12 19:04		OK
54	D3486-05	MH3BM8	SAM	07/25/12 19:12		OK
55	D3486-06	MH3BM9	SAM	07/25/12 19:20		OK
56	D3486-07	MH3BN0	SAM	07/25/12 19:28		OK
57	D3486-08	MH3BN1	SAM	07/25/12 19:36		OK
58	D3486-09	MH3BN2	SAM	07/25/12 19:44		OK
59	D3486-10	MH3BN3	SAM	07/25/12 19:52		OK
60	D3486-11	MH3BN4	SAM	07/25/12 20:00		OK
61	D3486-12	MH3BN5	SAM	07/25/12 20:08		OK
62	CCV12	CCV12	CCV	07/25/12 20:16		OK
63	CCB12	CCB12	CCB	07/25/12 20:24		OK
64	D3486-13	MH3BN6	SAM	07/25/12 20:32		OK
65	D3486-14	MH3BN7	SAM	07/25/12 20:40		OK

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CCV Standard	MP12272
ICSA Standard	MP12273,MP12274,MP12275,MP12276
CRI Standard	
LCS Standard	
Chk Standard	MP12281,MP12278

66	D3486-14D	MH3BN7D	DUP	07/25/12 20:48		OK
67	D3486-14L	MH3BN7L	SD	07/25/12 20:56		OK
68	D3486-15	MH3BN8	SAM	07/25/12 21:04		OK
69	D3486-16	MH3BN9	SAM	07/25/12 21:12		OK
70	D3486-16S	MH3BN9S	MS	07/25/12 21:20		OK
71	D3486-17	MH3BP0	SAM	07/25/12 21:28		OK
72	D3486-18	MH3BP1	SAM	07/25/12 21:36		OK
73	D3486-19	MH3BP2	SAM	07/25/12 21:44		OK
74	CCV13	CCV13	CCV	07/25/12 21:52		OK
75	CCB13	CCB13	CCB	07/25/12 21:59		OK
76	D3486-20	MH3BP3	SAM	07/25/12 22:07		OK
77	D3487-01	MH3BP4	SAM	07/25/12 22:15		OK
78	D3487-01D	MH3BP4D	DUP	07/25/12 22:23		OK
79	D3487-01L	MH3BP4L	SD	07/25/12 22:31		OK
80	D3487-02	MH3BP5	SAM	07/25/12 22:39		OK
81	D3487-02S	MH3BP5S	MS	07/25/12 22:47		OK
82	D3487-03	MH3BP6	SAM	07/25/12 22:55		OK
83	D3487-04	MH3BP7	SAM	07/25/12 23:03		OK
84	D3487-05	MH3BP8	SAM	07/25/12 23:11		OK
85	D3487-06	MH3BP9	SAM	07/25/12 23:19		OK
86	CCV14	CCV14	CCV	07/25/12 23:27		OK
87	CCB14	CCB14	CCB	07/25/12 23:35		OK

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CCV Standard	MP12272
ICSA Standard	MP12273,MP12274,MP12275,MP12276
CRI Standard	
LCS Standard	
Chk Standard	MP12281,MP12278

88	D3487-07	MH3BQ0	SAM	07/25/12 23:43		OK
89	ZZZZZZ	ZZZZZZ	SAM	07/25/12 23:51		OK
90	S1(CRQL STD) CRI	S1(CRQL STD) CRI	CCV	07/25/12 23:59		OK
91	CCV15	CCV15	CCV	07/26/12 00:07		OK
92	CCB15	CCB15	CCB	07/26/12 00:15		OK

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Prep Standard - Chemical Standard Summary

Order ID : D3487

Test : Metals CLP MS-CLP12

Prepbatch ID : PB64539

Sequence ID/Qc Batch ID: LB61768

Standard ID :

MP 11619 , MP12221, MP12257, MP12264, MP12265, MP12267, MP12263, MP12268, MP12269 , MP12270, MP12271, MP12272, MP12273, MP12274, MP12275, MP12276, MP12278, MP12277, MP12281, MP12283, MP12282, MP 11619 , MP12221, MP12257, MP12263, MP12264, MP12265, MP12267, MP12268, MP12269, MP12270, MP12271, MP12272, MP12273, MP12274, MP12275, MP12276, MP12277, MP12278, MP12281, MP12282, MP12283,

Chemical ID :

W1152 , M2372, M2401, M2466, M2451, M2161, M2271, M 2411 , M2437, M2270, M2173, M2174, M2150, M2153, M2439, M2409, M2145, M2162, M2142, M2436, M2156, M2440, M2144, M2154, M2149, M2158, M2438, M2273, M2160, M2159, M2163, M2165, M2155 , M2412, M2417, M2414, M2415, M2024, M2418, M2410, M2413, M2170, M2024, M21 42, M2144, M2145, M2149, M2150, M2153, M2154, M2155, M2156, M2158, M2159, M2160, M2161, M2162, M2163, M2165, M2170, M2173, M2174, M2270, M2271, M2273, M2372 , M2401, M2409, M2410, M 2411 , M2412, M2413, M2414, M2415, M2417, M2418, M2436, M2437, M2438, M2439, M24 40, M2451, M2466, W 1152 ,

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STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
170	1:1HCL	MP11619	05/25/2012	11/25/2012	Narendra

FROM 1250.000 ml of DI Water (W 1152) + 1250.000 ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(M2372) = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
169	1:1HNO3	MP12221	07/20/2012	01/20/2013	narendra

FROM 1250.000 ml of DI Water (W 1152) + 1250.000 ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2401) = Final Quantity: 2500.000 ml

CHEMTECH

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STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP12257	07/21/2012	08/05/2012	jaswal

FROM 12.500 ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(M2466) + 2462.500 ml of DI Water(W 1152) + 25.000 ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2451) = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1125	SOL.C(100PPM) ISM01.2	MP12263	07/21/2012	08/05/2012	jaswal

FROM 2.500ml of CHEM-CLP-4/.25L(M2409) + 22.500ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP12257) = Final Quantity: 25.000 ml

CHEMTECH

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STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
870	ICPMS SPIKE SOL.B	MP12264	07/21/2012	08/05/2012	jaswal

FROM 0.450ml of SELENIUM 125 mL 1000ug/mL(M2161) + 5.000ml of SOIL/ WATER SPIKE SOLN 1, 125mL(M2271) + 5.000ml of SOIL/ WATER SPIKE SOLN 4, 125mL(M 2411) + 39.550ml of ICPMS CALIB BLANK(SO/ICB/CCB)(MP12257) = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1120	ICPMS ISM01.2 S1(CONC.)	MP12265	07/21/2012	08/05/2012	jaswal

FROM 0.050 ml of ARSENIC 125 mL 1000ug/mL(M2173) + 0.050 ml of BERYLLIUM 125 mL 1000ug/mL(M2150) + 0.050ml of CADMIUM, 125 mL 1000ug/mL(M2153) + 0.050 ml of COBALT 125 mL 1000ug/mL(M2162) + 0.050ml of Lead, 1000 PPM, 125 ml(M2156) + 0.050ml of MANGANESE, 125 mL 1000ug/mL(M2144) + 0.050 ml of NICKEL 125 mL 1000ug/mL(M2154) + 0.050 ml of SILVER 125 mL 1000ug/mL(M2158) + 0.050ml of Strontium, 125 ml, 1000 PPM(M2273) + 0.050 ml of THALLIUM 125 mL 1000ug/mL(M2160) + 0.050ml of Thorium 1000 ug/ml(M2159) + 0.050ml of Uranium 1000 ug/ml(M2163) + 0.100 ml of Aluminum (Al) 10,000PPM(M2437) + 0.100 ml of ANTIMONY HF , 125mL 1,000ug/mL(M2270) + 0.100ml of CHROMIUM(+3) 125 mL 1000ug/mL(M2145) + 0.100ml of COPPER 125 mL 1000ug/mL(M2142) + 0.100ml of Zinc, Zn, 125 ml(M2155) + 0.250ml of CHEM-CLP-4/.25L(M2409) + 0.250ml of SELENIUM 125 mL 1000ug/mL(M2161) + 0.250 ml of VANADIUM 125 mL 1000ug/mL(M2165) + 0.500ml of BARIUM 125 mL 1000ug/mL(M2174) + 1.000ml of Iron, Fe, 125 ml, 10,000 ug/ml(M2436) + 2.500ml of Calcium (Ca) 10,000PPM(M2439) + 2.500ml of Magnesium (Mg) 10,000PPM(M2440) + 2.500ml of Potassium, K, 125 ml, 10,000 ug/ml(M2149) + 2.500ml of Sodium (Na) 10,000PPM(M2438) + 236.650ml of ICPMS CALIB BLANK(SO/ICB/CCB)(MP12257) = Final Quantity: 250.000 ml

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STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1426	S5 ICPMS ISM01.2	MP12267	07/21/2012	08/05/2012	jaswal

FROM 0.100ml of COPPER 125 mL 1000ug/mL(M2142) + 0.100ml of MANGANESE, 125 mL 1000ug/mL(M2144) + 0.100ml of Strontium, 125 ml, 1000 PPM(M2273) + 0.100 ml of Thorium 1000 ug/ml(M2159) + 0.100ml of Uranium 1000 ug/ml(M2163) + 0.100ml of Zinc, Zn, 125 ml(M2155) + 0.100ml of Zirconium, 1000 PPM, 125 ml(M2417) + 0.190 ml of Aluminum (Al) 10,000PPM(M2437) + 0.400ml of BARIUM 125 mL 1000ug/mL(M2174) + 0.490ml of Iron, Fe, 125 ml, 10,000 ug/ml(M2436) + 0.490ml of Potassium, K, 125 ml, 10,000 ug/ml(M2149) + 0.990ml of Calcium (Ca) 10,000PPM(M2439) + 0.990ml of Magnesium (Mg) 10,000PPM(M2440) + 0.990ml of Sodium (Na) 10,000PPM(M2438) + 5.000ml of Calibration Standard Method 6020(M2412) + 1.000ml of SOL.C(100PPM) ISM01.2(MP12263) + 88.760ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP12257) = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1427	S4 ICPMS ISM01.2	MP12268	07/21/2012	08/05/2012	jaswal

FROM 25.000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP12257) + 25.000ml of S5 ICPMS ISM01.2(MP12267) = Final Quantity: 50.000 ml

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STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1428	S3 ICPMS ISM01.2	MP12269	07/21/2012	08/05/2012	jaswal

FROM 12.500ml of S5 ICPMS ISM01.2(MP12267) + 37.500ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP12257)
= Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1429	S2 ICPMS ISM01.2	MP12270	07/21/2012	08/05/2012	jaswal

FROM 43.750ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP12257) + 6.250ml of S5 ICPMS ISM01.2(MP12267) =
Final Quantity: 50.000 ml

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STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1130	ICPMS ISM01.2 S1	MP12271	07/21/2012	08/05/2012	jaswal

FROM 0.250ml of ICPMS ISM01.2 S1(CONC.)(MP12265) + 49.750ml of ICPMS CALIB BLANK(S0/ICB/CCB) (MP12257) = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1430	CCV ICPMS ISM01.2	MP12272	07/21/2012	08/05/2012	jaswal

FROM 0.250ml of COPPER 125 mL 1000ug/mL(M2142) + 0.250ml of MANGANESE, 125 mL 1000ug/mL(M2144) + 0.250ml of Strontium, 125 ml, 1000 PPM(M2273) + 0.250 ml of Thorium 1000 ug/ml(M2159) + 0.250ml of Uranium 1000 ug/ml(M2163) + 0.250ml of Zinc, Zn, 125 ml(M2155) + 0.250ml of Zirconium, 1000 PPM, 125 ml(M2417) + 0.475 ml of Aluminum (Al) 10,000PPM(M2437) + 1.000ml of BARIUM 125 mL 1000ug/mL(M2174) + 1.225ml of Iron, Fe, 125 ml, 10,000 ug/ml(M2436) + 1.225ml of Potassium, K, 125 ml, 10,000 ug/ml(M2149) + 12.500ml of Calibration Standard Method 6020(M2412) + 2.475ml of Calcium (Ca) 10,000PPM(M2439) + 2.475ml of Magnesium (Mg) 10,000PPM(M2440) + 2.475ml of Sodium (Na) 10,000PPM(M2438) + 2.500ml of SOL.C(100PPM) ISM01.2(MP12263) + 471.900ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP12257) = Final Quantity: 500.000 ml

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STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1142	ICSA ICPMS	MP12273	07/21/2012	08/05/2012	jaswal

FROM 5.000 ml of ICSA (ICPMS) STOCK SOLN (M2414) + 45.000ml of ICPMS CALIB BLANK(SO/ICB/CCB) (MP12257) = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1143	ICSAB ICPMS	MP12274	07/21/2012	08/05/2012	jaswal

FROM 5.000 ml of ICSA (ICPMS) STOCK SOLN (M2414) + 5.000ml of ICSB (ICPMS) STOCK SOLUTION (M2415) + 40.000ml of ICPMS CALIB BLANK(SO/ICB/CCB)(MP12257) = Final Quantity: 50.000 ml

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STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1165	ICSAX10	MP12275	07/21/2012	08/05/2012	jaswal

FROM 45.000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP12257) + 5.000 ml of ICSA ICPMS (MP12273) = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1166	ICSABX10	MP12276	07/21/2012	08/05/2012	jaswal

FROM 45.000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP12257) + 5.000ml of ICSAB ICPMS(MP12274) = Final Quantity: 50.000 ml

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STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1135	MG 10PPM ILM05.4 FOR TUNE	MP12277	07/21/2012	08/05/2012	jaswal

FROM 0.100ml of Magnesium (Mg) 10,000PPM(M2440) + 99.900ml of ICPMS CALIB BLANK(S0/ICB/CCB) (MP12257) = Final Quantity: 100.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1172	TUNE SOL 100PPB ICPMS	MP12278	07/21/2012	08/05/2012	jaswal

FROM 1.000 ml of TUNE -A,(M2024) + 1.000ml of MG 10PPM ILM05.4 FOR TUNE (MP12277) + 98.000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP12257) = Final Quantity: 100.000 ml

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STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
857	ICPMS INT. STANDARD	MP12281	07/21/2012	08/05/2012	jaswal

FROM 2450.000 ml of DI Water(W 1152) + 25.000ml of 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y(M2418) + 25.000 ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2451) = Final Quantity: 2500.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration D	Prepared By
1574	U 1000PPM ISM01.2	MP12282	07/21/2012	08/05/2012	jaswal

FROM 1.000ml of Uranium 10000 ug/ml(M2170) + 9.000ml of ICPMS CALIB BLANK(SO/ICB/CCB)(MP12257) = Final Quantity: 10.000 ml

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STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1575	ICV ISM01.2 MS	MP12283	07/21/2012	08/05/2012	jaswal

FROM 0.025ml of CHEM-QC-4, Second Source, 1000 ug/ml, B, Mo, Si, Sn, Ti(M2410) + 1.000ml of ICV (ICP/ICPMS) STOCK SOLN (M2413) + 0.025ml of U 1000PPM ISM01.2(MP12282) + 48.950ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP12257) = Final Quantity: 50.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	IV-STOCK-12 / TUNE-A,	E2-MEB372150	10/01/2012	09/22/2011 / jaswal	09/09/2011 / jaswal	M2024

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCU1-1 / COPPER 125 mL 1000ug/mL	D2-CU02121	01/01/2013	12/01/2011 / jaswal	12/01/2011 / jaswal	M2142

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMN1-1 / MANGANESE, 125 mL 1000ug/mL	D2-MN02086	01/01/2013	12/01/2011 / danuta	12/01/2011 / danuta	M2144

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCR(3)1-1 / CHROMIUM(+3) 125 mL 1000ug/mL	E2-CR03051	01/01/2013	12/01/2011 / danuta	12/01/2011 / danuta	M2145

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGK10-1 / Potassium, K, 125 ml, 10,000 ug/ml	E2-K03022	01/01/2013	12/01/2011 / danuta	12/01/2011 / danuta	M2149

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGBE1-1 / BERYLLIUM 125 mL 1000ug/mL	E2-BE02011	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2150

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCD1-1 / CADMIUM, 125 mL 1000ug/mL	E2-CD02031	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2153

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGNI1-1 / NICKEL 125 mL 1000ug/mL	D2-NI02067	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2154

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGZN1-1 / Zinc, Zn, 125 ml	D2-ZN02065	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2155

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGPB1-1 / Lead, 1000 PPM, 125 ml	E2-PB03029	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2156

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGAG1-1 / SILVER 125 mL 1000ug/mL	E2-AG03011	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2158

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTH1-1 / Thorium 1000 ug/ml	D2-TH01082	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2159

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTL1-1 / THALLIUM 125 mL 1000ug/mL	E2-TL01121	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2160

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSE(4)1-1 / SELENIUM 125 mL 1000ug/mL	E2-SE02029	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2161

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCO1-1 / COBALT 125 mL 1000ug/mL	E2-CO02039	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2162

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGU1-1 / Uranium 1000 ug/ml	E2-U01091	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2163

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGV1-1 / VANADIUM 125 mL 1000ug/mL	E2-V02069	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2165

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGU10-1 / Uranium 10000 ug/ml	D2-U01085	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2170

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGAS1-1 / ARSENIC 125 mL 1000ug/mL	D2-AS02071	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2173

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGBA1-1 / BARIUM 125 mL 1000ug/mL	E2-BA02066	01/01/2013	12/01/2011 / ALPA	12/01/2011 / ALPA	M2174

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSBF1-1 / ANTIMONY HF, 125 mL 1,000ug/mL	E2-SB02133	03/01/2013	02/03/2012 / danuta	02/03/2012 / danuta	M2270

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-1 / SOIL/ WATER SPIKE SOLN 1, 125mL	D2-MEB324145	03/01/2013	02/03/2012 / danuta	02/03/2012 / danuta	M2271

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSR1-1 / Strontium, 125 ml, 1000 PPM	E2-SR02031	03/01/2013	02/03/2012 / danuta	02/03/2012 / danuta	M2273

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	L13029	05/09/2017	05/25/2012 / Narendra	05/09/2012 / narendra	M2372

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid Instra-Analyzed (cs/4x2.5L)	L02030	06/06/2017	07/20/2012 / narendra	06/06/2012 / narendra	M2401

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	Z9651Q / CHEM-CLP-4/.25L	F2-MEB426117	07/01/2013	06/18/2012 / jaswal	06/15/2012 / jaswal	M2409

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CHEM-QC-4 / CHEM-QC-4, Second Source, 1000 ug/ml, B, Mo, Si, Sn, Ti	E2-MEB374039	07/01/2013	06/18/2012 / jaswal	06/15/2012 / jaswal	M2410

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CLPP-SPK-4 / SOIL/ WATER SPIKE SOLN 4, 125mL	A2-MEB194140	07/01/2013	06/18/2012 / jaswal	06/15/2012 / jaswal	M2411

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020CAL-1 / Calibration Standard Method 6020	E2-MEB397095	04/01/2013	06/18/2012 / jaswal	03/22/2012 / jaswal	M2412

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	ICV-1 (0307) / ICV (ICP/ICPMS) STOCK SOLN	ICV1-0307	12/17/2012	06/18/2012 / jaswal	11/16/2011 / jaswal	M2413

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	PART A (0803) / ICSA (ICPMS) STOCK SOLN	ICSA-0803	12/17/2012	06/18/2012 / jaswal	11/16/2011 / jaswal	M2414

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	/ ICSB (ICPMS) STOCK SOLUTION	ICSB-0803	12/17/2012	06/18/2012 / jaswal	11/16/2011 / jaswal	M2415

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGZR1-1 / Zirconium, 1000 PPM, 125 ml	E2-ZR01085	04/01/2013	03/22/2012 / jaswal	03/22/2012 / jaswal	M2417

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020ISS / 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y	E2-MEB365110	04/01/2013	06/01/2012 / jaswal	03/22/2012 / jaswal	M2418

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGFE10-1 / Iron, Fe, 125 ml, 10,000 ug/ml	E2-FE03145	05/01/2013	07/02/2012 / jaswal	04/27/2012 / jaswal	M2436

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	58113 / Aluminum (Al) 10,000PPM	040412	04/04/2015	04/26/2012 / jaswal	04/26/2012 / jaswal	M2437

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57111 / Sodium (Na) 10,000PPM	032312	03/23/2015	04/26/2012 / jaswal	04/26/2012 / jaswal	M2438

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57120 / Calcium (Ca) 10,000PPM	030912	03/09/2015	04/26/2012 / jaswal	04/26/2012 / jaswal	M2439

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	57112 / Magnesium (Mg) 10,000PPM	041812	04/18/2015	04/26/2012 / jaswal	04/26/2012 / jaswal	M2440

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9598-34 / Nitric Acid Instra-Analyzed (cs/4x2.5L)	L10023	07/05/2017	07/23/2012 / narendra	07/05/2012 / Narendra	M2451

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	K50038	07/18/2017	07/23/2012 / narendra	07/18/2012 / Narendra	M2466

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Lab certified	02/23/2015	02/23/2010 /	02/23/2010 / divya	W1152

Standard ID : M2158

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CERTIFICATE OF ANALYSIS

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM — 1000 µg/mL Silver in 5% (v/v) HNO3

Catalog Number:	CGAG1-1, CGAG1-2, and CGAG1-5
Lot Number:	**E2-AG03011**
Starting Material:	Ag shot
Starting Material Purity (%):	99.9995
Starting Material Lot No:	1575
Matrix:	5% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 996 ± 5 µg/mL - weighted mean

Certified Density: 1.026 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 — **997 ± 3 µg/mL**
ICP Assay NIST SRM 3151 Lot Number: 992212

Assay Method #2 — **995 ± 3 µg/mL**
Volhard NIST SRM 999b Lot Number: 999b

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R: 04/26/12

Certified Reference Material CRM

M2437

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.

Standard ID : M2437

CERTIFIED WEIGHT REPORT:

Part Number: 58113
Lot Number: 040412
Description: Aluminum (Al)

Expiration Date: 040415

Storage: 20 °C

Nominal Concentration (µg/mL): 10000

Weight shown below was diluted to (mL): 999.86 0.116 Flask Uncertainty

5E-05 Balance Uncertainty

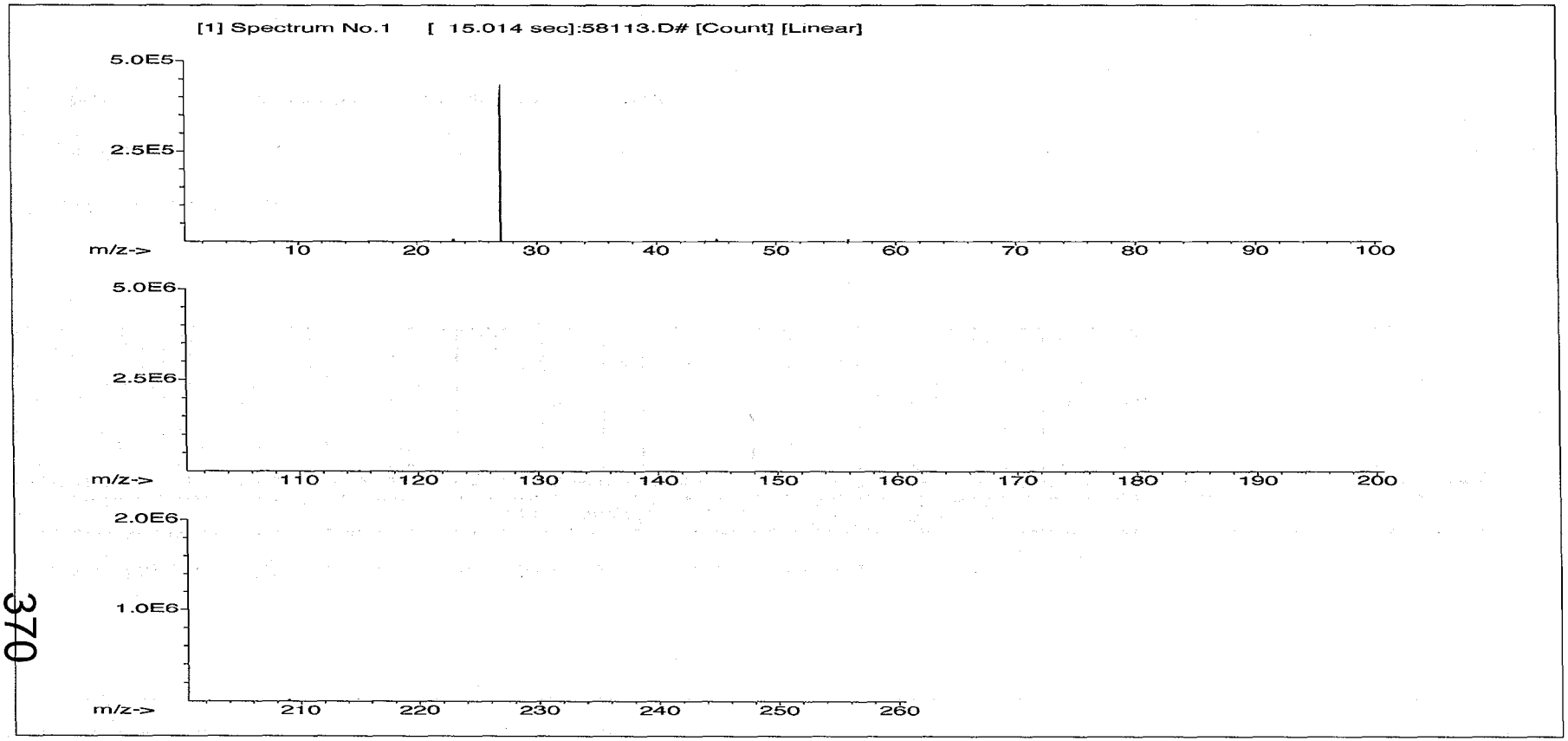
	Lot #	
Solvent:	C142199	Nitric Acid
2%	20.0 (mL)	Nitric Acid

Formulated By: Pat Scaturchio 040412

Reviewed By: Pedro L. Rentas 040412

MSDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity	Uncertainty Purity	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty (+/-)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Aluminum Nitrate Nonahydrate (Al)	IN022	R708ALA1R	10000.0	99.995	0.10	7.1	140.8320	140.8487	**10001.2**	0.00201	07784-27-2	5 mg/m3	orl-rat 264 mg/kg	3101a



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EPAPAV0053686

Standard ID : M2173

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1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Arsenic in 2% (v/v) HNO3**

Catalog Number:	CGAS1-1, CGAS1-2, and CGAS1-5
Lot Number:	**D2-AS02071**
Starting Material:	As pieces
Starting Material Purity (%):	99.9997
Starting Material Lot No:	1554
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 997 ± 5 µg/mL

Certified Density: 1.013 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **997 ± 5 µg/mL (avg. of 2 assays)**
ICP Assay NIST SRM 3103a Lot Number: 010713

Assay Method #2 **1,002 ± 5 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

Standard ID : M2174

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CERTIFICATE OF ANALYSIS

1.0 **INORGANIC VENTURES** is an ISO Guide 34 "General Requirements for the Competence of Reference Material Producers" and ISO 9001 registered manufacturer. Our manufacturing laboratory is accredited to ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories."

ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Barium in 0.1% (v/v) HNO3**

Catalog Number:	CGBA1-1, CGBA1-2, and CGBA1-5
Lot Number:	**E2-BA02066**
Starting Material:	Ba(NO3)2
Starting Material Purity (%):	99.9998
Starting Material Lot No:	1514_1599
Matrix:	0.1% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 997 ± 6 µg/mL - weighted mean

Certified Density: 1.000 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **997 ± 4 µg/mL**
ICP Assay NIST SRM 3104a Lot Number: 070222

Assay Method #2 **996 ± 3 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

Standard ID : M2150

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CERTIFICATE OF ANALYSIS

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL Beryllium in 3% (v/v) HNO3**

Catalog Number:	CGBE1-1, CGBE1-2, and CGBE1-5
Lot Number:	**E2-BE02011**
Starting Material:	Be(OOCCH3)2
Starting Material Purity (%):	99.9999
Starting Material Lot No:	1580
Matrix:	3% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,003 ± 6 µg/mL - weighted mean

Certified Density: 1.025 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1,003 ± 6 µg/mL**
ICP Assay NIST SRM 3105a Lot Number: 892707

Assay Method #2 **1,003 ± 3 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

R1 04/26/12

Certified Reference Material CRM

M2439

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.

Standard ID : M2439

CERTIFIED WEIGHT REPORT:

Part Number: 57120
Lot Number: 030912
Description: Calcium (Ca)

Expiration Date: 030915

Storage: 20 °C

Nominal Concentration (µg/mL): 10000

Weight shown below was diluted to (mL): 1999.68

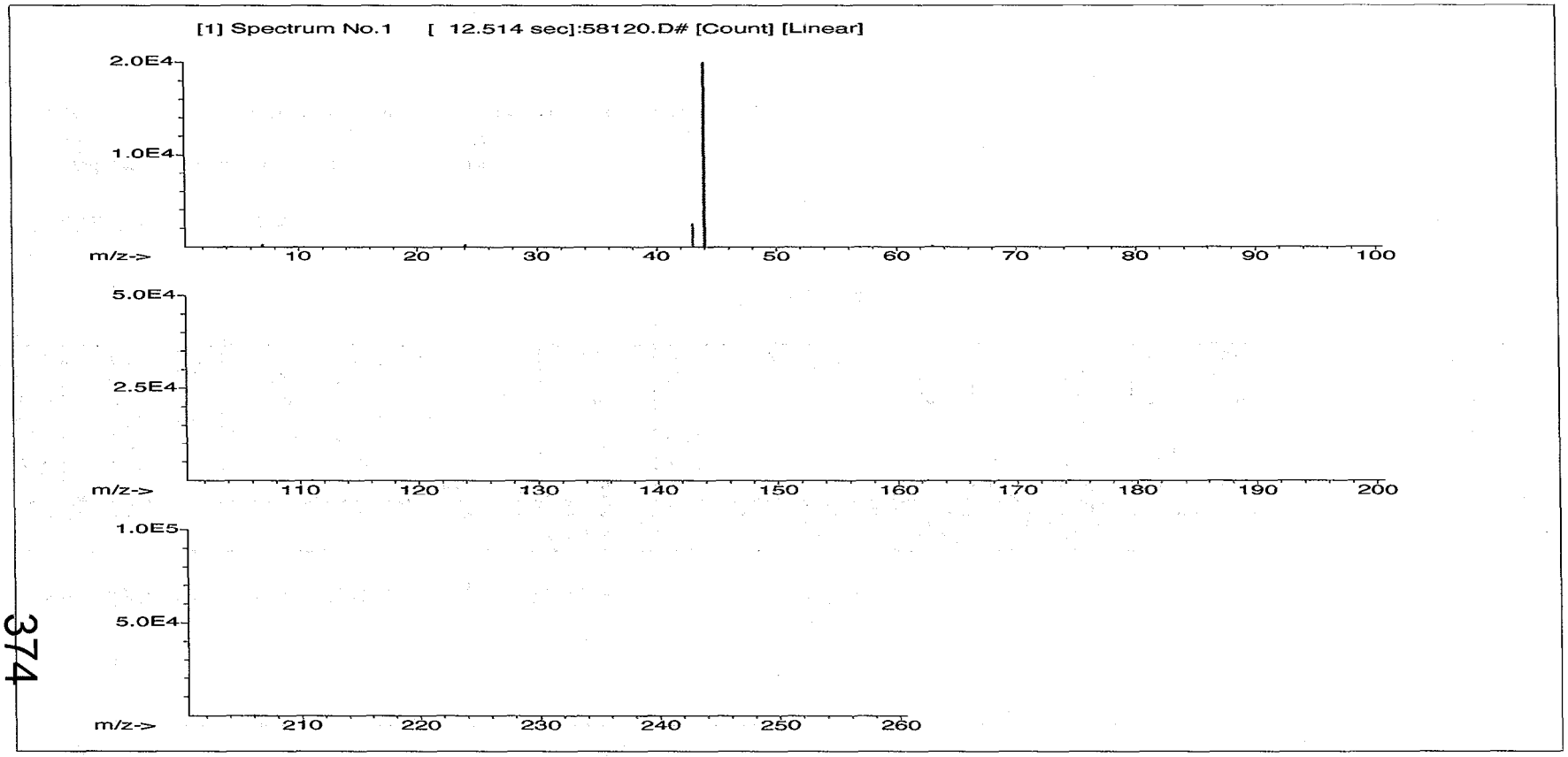
	Lot #		
Solvent:	C142199	Nitric Acid	
2%	40.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.100 Flask Uncertainty

Formulated By:	Lawrence Barry	030912
Reviewed By:	Pedro L. Rentas	030912

MSDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity	Uncertainty Purity	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty (+/-)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Calcium carbonate (Ca)	IN014	K411CAA1	10000.0	99.999	0.10	40.9	48.8925	48.8998	**10001.5**	0.00200	00471-34-1	7 mg/m3	N/A	3109a



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EPAPAV0053690

Standard ID : M2153

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Cadmium in 3% (v/v) HNO3**

Catalog Number:	CGCD1-1, CGCD1-2, and CGCD1-5
Lot Number:	**E2-CD02031**
Starting Material:	Cd shot
Starting Material Purity (%):	100.0000
Starting Material Lot No:	1542
Matrix:	3% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,003 ± 5 µg/mL - weighted mean

Certified Density: 1.016 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1,003 ± 3 µg/mL**
ICP Assay NIST SRM 3108 Lot Number: 060531

Assay Method #2 **1,003 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Standard ID : M2409

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M2409

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ACCREDITED Reference Material Producer Certificate 883 02

2.0 **DESCRIPTION OF CRM** Custom Solution

Catalog No.: CHEM-CLP-4

Lot Number: **F2-MEB426117**

Matrix: 0.7% HF(v/v), 3% HNO3(v/v)

1,000 µg/mL ea:
B, Mo, Si, Sn, Ti

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Boron, B	1,000 ± 7 µg/mL	Molybdenum, Mo	1,000 ± 8 µg/mL	Silicon, Si	1,000 ± 5 µg/mL
Tin, Sn	1,000 ± 6 µg/mL	Titanium, Ti	1,000 ± 7 µg/mL		

Certified Density: 1.027 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty (±) = $2\,[\,\Sigma(s_i)^2\,]^{1/2}$

2 = the coverage factor.
$[\,\Sigma(s_i)^2\,]^{1/2}$ = The square root of the sum of the squares of the most common errors (where 's' stands for the standard deviation) from instrumental measurement, density, NIST SRM uncertainty, weighing, dilution to volume, homogeneity, long term stability and short term stability.

4.0 **TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified

Standard ID : M2410

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ACCREDITED Reference Material Producer Certificate 883 02

2.0 **DESCRIPTION OF CRM** Custom Second Source Solution

Catalog No.: CHEM-QC-4

Lot Number: **E2-MEB374039**

Matrix: 0.7% HF(v/v), 3% HNO3(v/v)

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

1,000 µg/mL ea:
B, Mo, Si, Sn, Ti

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Boron, B	1,000 ± 4 µg/mL	Molybdenum, Mo	1,000 ± 3 µg/mL	Silicon, Si	1,000 ± 2 µg/mL
Tin, Sn	1,000 ± 3 µg/mL	Titanium, Ti	1,000 ± 2 µg/mL		

Certified Density: 1.030 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

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Standard ID : M2162

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Cobalt in 3% (v/v) HNO3**

Catalog Number:	CGCO1-1, CGCO1-2, and CGCO1-5
Lot Number:	**E2-CO02039**
Starting Material:	Co powder
Starting Material Purity (%):	99.9978
Starting Material Lot No:	1591
Matrix:	3% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 997 ± 5 µg/mL - weighted mean

Certified Density: 1.018 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\overline{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **996 ± 2 µg/mL**
ICP Assay NIST SRM 3113 Lot Number: 00630

Assay Method #2 **998 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Standard ID : M2145

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ACCREDITED Reference Material Producer Certificate 883 02

2.0 DESCRIPTION OF CRM — 1000 µg/mL Chromium (+3) in 2% (v/v) HNO3

Catalog Number:	CGCR(3)1-1, CGCR(3)1-2, and CGCR(3)1-5
Lot Number:	**E2-CR03051**
Starting Material:	Cr pieces
Starting Material Purity (%):	99.9957
Starting Material Lot No:	1504
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 998 ± 5 µg/mL - weighted mean

Certified Density: 1.013 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1	Assay Method #1	**997 ± 3 µg/mL** ICP Assay NIST SRM 3112a Lot Number: 030730
	Assay Method #2	**999 ± 3 µg/mL** Calculated NIST SRM Lot Number: See Sec 4.2

Standard ID : M2142

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Copper in 3% (v/v) HNO3**

Catalog Number:	CGCU1-1, CGCU1-2, and CGCU1-5
Lot Number:	**D2-CU02121**
Starting Material:	Cu shot
Starting Material Purity (%):	99.9992
Starting Material Lot No:	1544
Matrix:	3% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,001 ± 3 µg/mL (avg. of 2 methods)

Certified Density: 1.015 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
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n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

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4.1 **Assay Method #1** **1,000 ± 4 µg/mL**
ICP Assay NIST SRM 3114 Lot Number: 011017

Assay Method #2 **1,001 ± 2 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Standard ID : M2436

R: 11/27/12

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M2436

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **10000 µg/mL Iron in 5% (v/v) HNO3**

Catalog Number:	CGFE10-1, CGFE10-2, and CGFE10-5
Lot Number:	**E2-FE03145**
Starting Material:	Fe powder
Starting Material Purity (%):	99.9983
Starting Material Lot No:	1618
Matrix:	5% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 10,032 ± 54 µg/mL - weighted mean

Certified Density: 1.053 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

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4.1 **Assay Method #1** **10,023 ± 38 µg/mL**
ICP Assay NIST SRM 3126a Lot Number: 051031

Assay Method #2 **10,052 ± 25 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

R: 11/16/11

QATS INORGANIC REFERENCE MATERIAL INTERFERENCE CHECK SAMPLE FOR ICP-MS ICSA WITH ICSB

statistically pooled results from the following sources: ILM05.2 Pre-award analysis, Quarterly Blind analysis, CLP laboratory referee analysis, and QATS Laboratory analysis.

Preparation and analysis must be performed according to the following instructions:
ICSA-0803, Inferferents: Pipet 10 mL of the ICSA solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this solution by ICP-MS.
ICSB-0803, Analytes, mixed with ICSA-0803, Interferents: Pipet 10 mL of the ICSA solution and 10 mL of the ICSB solution into a 100 mL volumetric flask and dilute to volume with 1% v/v HNO_3. Analyze this ICSAB solution by ICP-MS. Class 'A' glassware should be use to prepare these solutions.

Table 1. "CERTIFIED VALUES" FOR INTERFERENCE CHECK SAMPLE ICP-MS ICSA-0803, AND ICSA-0803 MIXED WITH ICSB-0803

Element	CRQL	Part A (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)	Part A +Part B (µg/L)	Lower Limit (µg/L)	Upper Limit (µg/L)
Al	20	[100000]			[100000]		
Sb	2	(1.5)	-2.5	5.5	22.0	17.6	26.4
As	1	(0.1)	-1.9	2.1	19.0	15.2	22.8
Ba	10	(1.2)	-18.8	21.2	(22.0)	2.0	42.0
Be	1	(0)	-2.0	2.0	19.0	15.2	22.8
Cd	1	(0.7)	-1.3	2.7	20.0	16.0	24.0
Ca	500	[100000]			[100000]		
C		[200000]			[200000]		
Cl		[1000000]			[1000000]		
Cr	2	21.0	16.8	25.2	40.0	32.0	48.0
Co	1	(1.0)	-1.0	3.0	20.0	16.0	24.0
Cu	2	(8.0)	4.0	12.0	25.0	20.0	30.0
Fe	200	[100000]			[100000]		
Pb	1	(4.0)	2.0	6.0	25.0	20.0	30.0
Mg	500	[100000]			[100000]		
Mn	1	(7.0)	5.0	9.0	27.0	21.6	32.4
Mo		[2000]			[2000]		
Ni	1	(6.0)	4.0	8.0	24.0	19.2	28.8
P		[100000]			[100000]		
K	500	[100000]			[100000]		
Se	5	(0.3)	-9.7	10.3	(19.0)	9.0	29.0
Ag	1	(0)	-2.0	2.0	18.0	14.4	21.6
Na	500	[100000]			[100000]		
S		[100000]			[100000]		
Tl	1	(0)	-2.0	2.0	21.0	16.8	25.2
Ti		[2000]			[2000]		
V	5	(0.5)	-9.5	10.5	(19.0)	9.0	29.0
Zn	2	(11.0)	7.0	15.0	29.0	23.2	34.8

[ ] Indicates analytes that do not require ICP-MS determination in the ICS.
( ) Indicates analyte certified values and the acceptance range is calculated based on +/- 2 times the CRQL.

R : 11/16/11

QATS INORGANIC REFERENCE MATERIAL
INITIAL CALIBRATION VERIFICATION SOLUTIONS
(ICVs)

ICV1-0307		
Element	Concentration (µg/L) (after 10 fold dilution)	Concentration (µg/L) (after 50 fold dilution)
Al	2521	504
Sb	994	199
As	999	200
Ba	497	99
Be	495	99
Cd	496	99
Ca	10026	2005
Cr	490	98
Co	499	100
Cu	492	98
Fe	5082	1016
Pb	1002	200
Mg	6074	1215
Mn	499	100
Ni	503	101
K	10021	2004
Se	1029	206
Ag	501	100
Na	10097	2019
Tl	1028	206
V	501	100
Zn	1025	205

ICV2-0601	
Element	Concentration (µg/L) (after 20 fold dilution)
As	52.6
Se	50.8

ICV3-0500	
Element	Concentration (µg/L) (after 10 fold dilution)
Sb	999

Standard ID : M2418

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M2418

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: 6020ISS

Lot Number: **E2-MEB365110**

Matrix: 7% HNO3(v/v)

10 µg/mL ea:
Bi, Ho, In, Li6, Rh, Sc, Tb, Y

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
6 Li, Li6	10.00 ± 0.09 µg/mL	Bismuth, Bi	10.00 ± 0.05 µg/mL	Holmium, Ho	10.00 ± 0.04 µg/mL
Indium, In	10.00 ± 0.02 µg/mL	Rhodium, Rh	10.15 ± 0.04 µg/mL	Scandium, Sc	10.01 ± 0.03 µg/mL
Terbium, Tb	10.00 ± 0.03 µg/mL	Yttrium, Y	10.01 ± 0.02 µg/mL		

Certified Density: 1.032 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

Certified Abundance: The 6Li in this standard is enhanced. The Certified abundances in Atom % are as follows:

IV's Certified Abundance

Isotope	Atom%
Lithium Li6	95.4 ± 0.3
Li7	4.6 ± 0.1

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually natio international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, def 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are repor taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where NIST SRMs are available, the term 'in-house std.' is specified.

Standard ID : M2149

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2.0 **DESCRIPTION OF CRM** **10000 µg/mL Potassium in 2% (v/v) HNO3**

Catalog Number:	CGK10-1, CGK10-2, and CGK10-5
Lot Number:	**E2-K03022**
Starting Material:	KNO3
Starting Material Purity (%):	99.9981
Starting Material Lot No:	B19P01
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 9,985 ± 55 µg/mL - weighted mean

Certified Density: 1.025 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **9,981 ± 40 µg/mL**
ICP Assay NIST SRM 3141a Lot Number: 051220

Assay Method #2 **9,996 ± 24 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

Standard ID : M2412

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2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: 6020CAL-1

Lot Number: **E2-MEB397095**

Matrix: tr. HF, 5% HNO3(v/v)

20 µg/mL ea:

Ag, Al, As, Ba, Be, Ca, Cd, Co, Cr3, Cu, Fe, K, Mg, Mn, Na, Ni, Pb, Sb, Se, Tl, V, Zn

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	20.00 ± 0.11 µg/mL	Antimony, Sb	20.00 ± 0.04 µg/mL	Arsenic, As	20.00 ± 0.06 µg/mL
Barium, Ba	20.00 ± 0.09 µg/mL	Beryllium, Be	20.00 ± 0.08 µg/mL	Cadmium, Cd	20.00 ± 0.07 µg/mL
Calcium, Ca	20.00 ± 0.10 µg/mL	Chromium+3, Cr3	20.00 ± 0.15 µg/mL	Cobalt, Co	20.00 ± 0.06 µg/mL
Copper, Cu	20.00 ± 0.04 µg/mL	Iron, Fe	20.00 ± 0.11 µg/mL	Lead, Pb	20.00 ± 0.05 µg/mL
Magnesium, Mg	20.00 ± 0.14 µg/mL	Manganese, Mn	20.00 ± 0.11 µg/mL	Nickel, Ni	20.00 ± 0.06 µg/mL
Potassium, K	20.00 ± 0.10 µg/mL	Selenium, Se	20.00 ± 0.11 µg/mL	Silver, Ag	20.01 ± 0.05 µg/mL
Sodium, Na	20.00 ± 0.06 µg/mL	Thallium, Tl	19.99 ± 0.10 µg/mL	Vanadium, V	20.00 ± 0.07 µg/mL
Zinc, Zn	20.00 ± 0.06 µg/mL				

Certified Density: 1.025 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

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Certified Reference Material CRM

M2440
~~M2430~~

ISO 9001 QS Registered
ISO 17025-34-35-43 Accredited
Scopes: http://AbsoluteStandards.com

Standard ID : M2440

CERTIFIED WEIGHT REPORT:

Part Number: 57112
Lot Number: 041812
Description: Magnesium (Mg)
Expiration Date: 041815
Storage: 20 °C
Nominal Concentration (µg/mL): 10000

	Lot #	
Solvent:	C142199	Nitric Acid
2%	40.0 (mL)	Nitric Acid

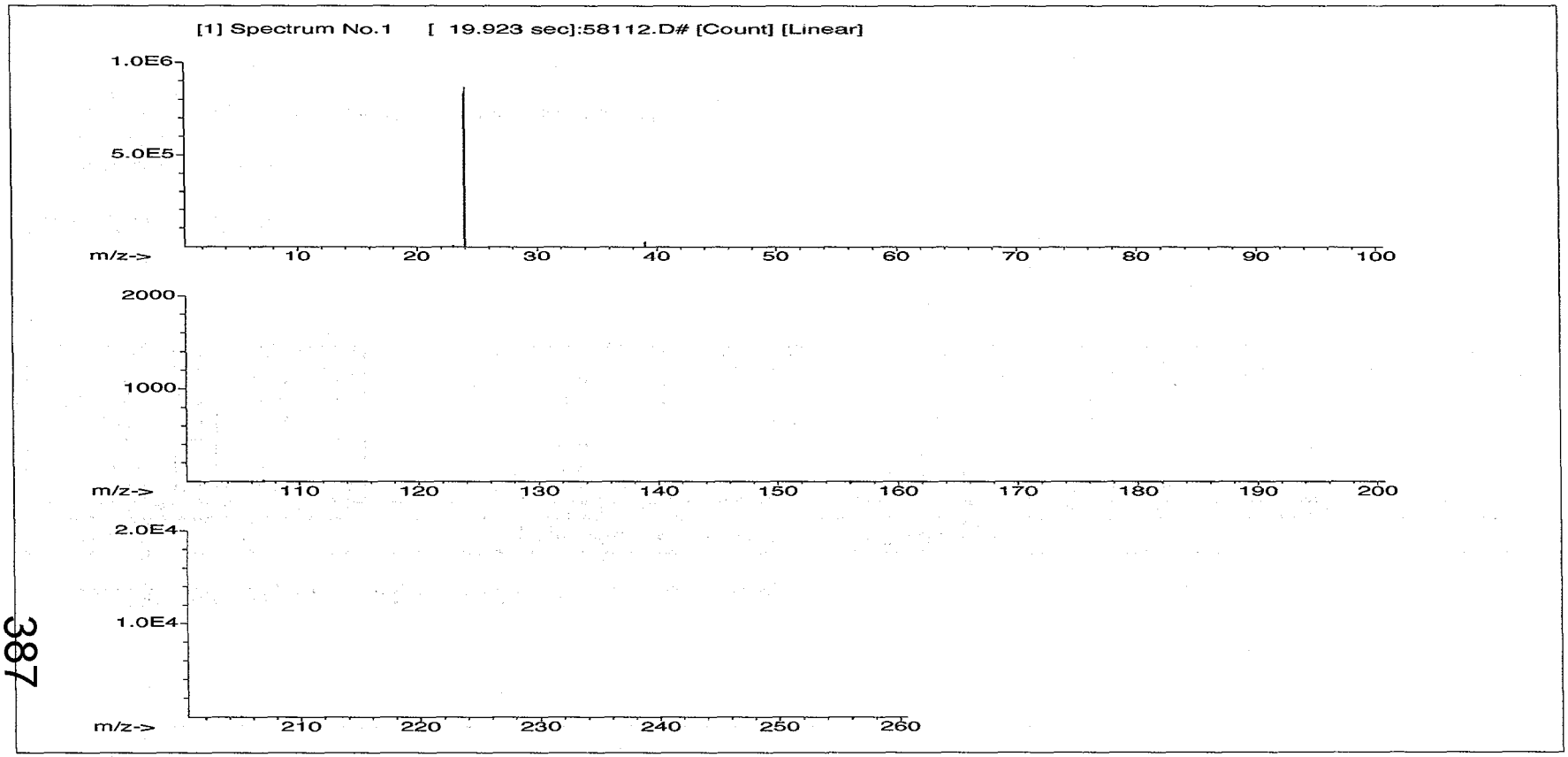
5E-05 Balance Uncertainty

Weight shown below was diluted to (mL): 1999.68 0.100 Flask Uncertainty

Formulated By:	Lawrence Barry	041812
Reviewed By:	Pedro L. Rentas	041812

MSDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity	Uncertainty Purity	Assay (%)	Target Weight (g)	Actual Weight (g)	Actual Conc. (µg/mL)	Expanded Uncertainty (+/-)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Magnesium Nitrate Hexahydrate (Mg)	IN030	K911MGA1R	10000.0	99.9995	0.10	9.30	215.0208	215.0550	**10001.6**	0.00200	13446-18-9	7 mg/m3	N/A	3131a



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EPAPAV0053703

Standard ID : M2144

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2.0 DESCRIPTION OF CRM **1000 µg/mL Manganese in 3% (v/v) HNO3**

Catalog Number:	CGMN1-1, CGMN1-2, and CGMN1-5
Lot Number:	**D2-MN02086**
Starting Material:	Mn pieces
Starting Material Purity (%):	99.9908
Starting Material Lot No:	R806MNA1
Matrix:	3% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 999 ± 5 µg/mL- weighted mean

Certified Density: 1.017 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\overline{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\overline{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **998 ± 4 µg/mL**
ICP Assay NIST SRM 3132 Lot Number: 050429

Assay Method #2 **1,000 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

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Certified Reference Material CRM

M2438

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Scopes: http://AbsoluteStandards.com

Standard ID : M2438

CERTIFIED WEIGHT REPORT:

Part Number: 57111
Lot Number: 032312
Description: Sodium (Na)
Expiration Date: 032315
Storage: 20 °C
Nominal Concentration (µg/mL): 10000
Weight shown below was diluted to (mL): 1000.99

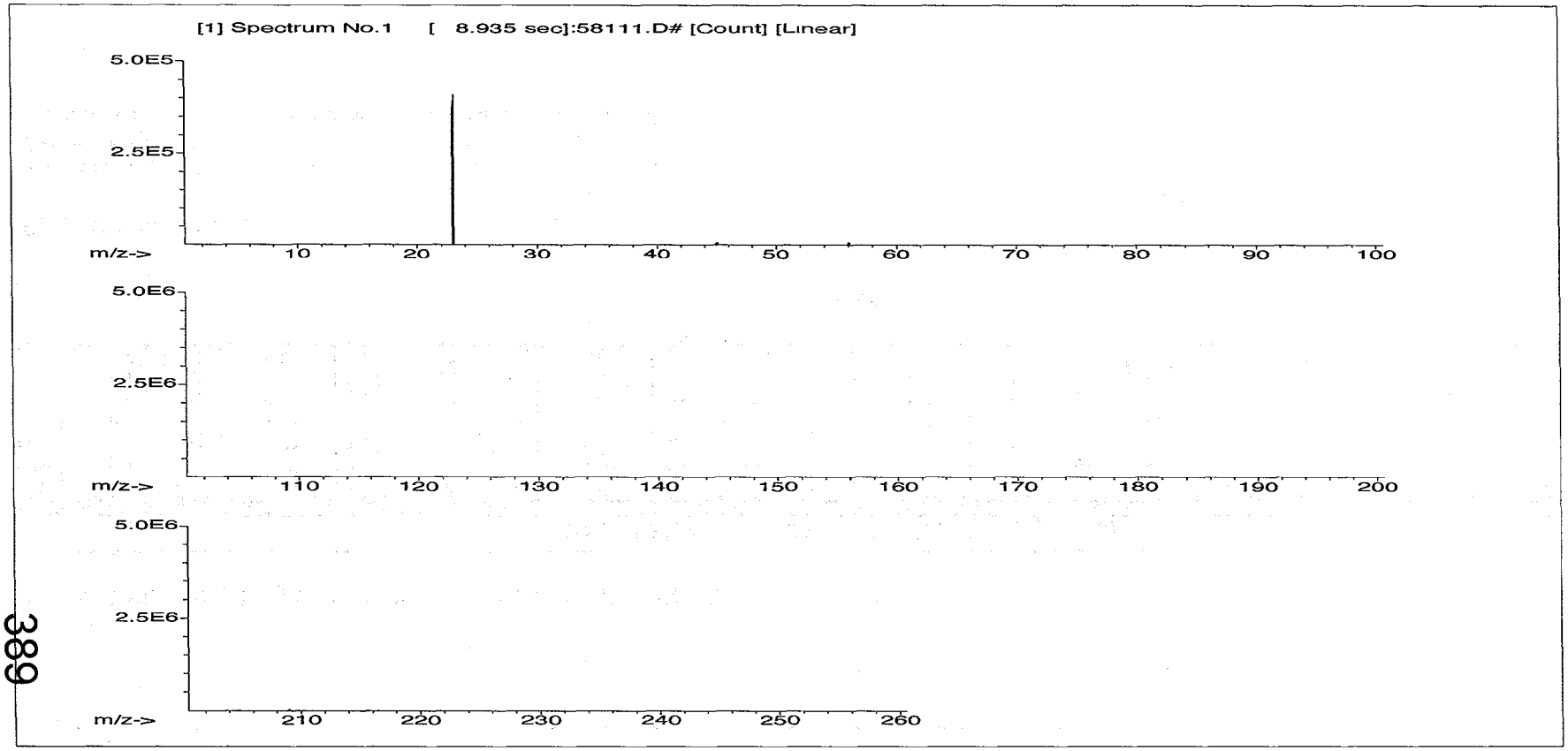
	Lot #		
Solvent:	C142199	Nitric Acid	
2%	20.0 (mL)	Nitric Acid	

5E-05 Balance Uncertainty
0.100 Flask Uncertainty

Formulated By: Pat Scaturchio 032312
Reviewed By: Pedro L. Rentas 032312

MSDS Information
(Solvent Safety Info. On Attached pg.)

Compound	RM#	Lot Number	Nominal Conc. (µg/mL)	Purity	Uncertainty Purity	Assay (%)	Target Weight (g)	Actual Weight (g)	**Actual Conc. (µg/mL)**	Expanded Uncertainty (+/-)	CAS#	OSHA PEL (TWA)	LD50	NIST SRM
1. Sodium nitrate (Na)	IN036	R806NAA1R	10000.0	99.999	0.10	27.0	37.0742	37.0808	**10001.8**	0.00201	07631-99-4	5 mg/m3	orl-rat 3236 mg/kg	3152a



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EPAPAV0053705

Standard ID : M2154

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL Nickel in 2% (v/v) HNO3**

Catalog Number:	CGNI1-1, CGNI1-2, and CGNI1-5
Lot Number:	**D2-NI02067**
Starting Material:	Ni pieces
Starting Material Purity (%):	99.9990
Starting Material Lot No:	E25T014
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 997 ± 4 µg/mL (avg. of 2 methods)

Certified Density: 1.012 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **995 ± 4 µg/mL (avg. of 2 runs)**
ICP Assay NIST SRM 3136 Lot Number: 000612

Assay Method #2 **998 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Standard ID : M2156

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM **1000 µg/mL Lead in 0.5% (v/v) HNO3**

Catalog Number:	CGPB1-1, CGPB1-2, and CGPB1-5
Lot Number:	**E2-PB03029**
Starting Material:	Pb(NO3)2
Starting Material Purity (%):	100.0000
Starting Material Lot No:	1570
Matrix:	0.5% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,003 ± 5 µg/mL - weighted mean

Certified Density: 1.002 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1,001 ± 3 µg/mL**
ICP Assay NIST SRM 3128 Lot Number: 030721

Assay Method #2 **1,004 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Standard ID : M2270

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 DESCRIPTION OF CRM — 1000 µg/mL Antimony in HF in 2% (v/v) HNO3 / tr. HF

Catalog Number:	CGSBF1-1, CGSBF1-2, and CGSBF1-5
Lot Number:	**E2-SB02133**
Starting Material:	Sb shot
Starting Material Purity (%)	99.9993
Starting Material Lot No	1561
Matrix:	2% (v/v) HNO3 / tr. HF

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 999 ± 5 µg/mL- weighted mean

Certified Density: 1.011 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 Assay Method #1 — **996 ± 3 µg/mL**
ICP Assay NIST SRM 3102A Lot Number: 061229

Assay Method #2 — **1,001 ± 3 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

Standard ID : M2161

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2.0 **DESCRIPTION OF CRM** **1000 µg/mL Selenium(+4) in 2% (v/v) HNO3**

Catalog Number:	CGSE(4)1-1, CGSE(4)1-2, and CGSE(4)1-5
Lot Number:	**E2-SE02029**
Starting Material:	Se shot
Starting Material Purity (%):	99.9996
Starting Material Lot No:	1616
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,004 ± 6 µg/mL- weighted mean

Certified Density: 1.011 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1,006 ± 4 µg/mL**
ICP Assay NIST SRM 3149 Lot Number: 100901

Assay Method #2 **1,001 ± 3 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

Standard ID : M2411

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CERTIFICATE OF ANALYSIS

R1, 6/15/12

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2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: CLPP-SPK-4

Lot Number: **A2-MEB194140**

Matrix: 2% HNO3(abs)

100 µg/mL ea:
Sb,

50 µg/mL ea:
Cd, Tl,

40 µg/mL ea:
As,

20 µg/mL ea:
Pb,

10 µg/mL ea:
Se

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Antimony, Sb	100.3 ± 0.4 µg/mL	Arsenic, As	40.08 ± 0.13 µg/mL	Cadmium, Cd	50.10 ± 0.12 µg/mL
Lead, Pb	20.03 ± 0.06 µg/mL	Selenium, Se	10.04 ± 0.04 µg/mL	Thallium, Tl	50.08 ± 0.17 µg/mL

Certified Density: 1.014 g/mL (measured at 20 ± 1° C)

The Certified Value is based upon the most precise method used to analyze this CRM. The following equations are used in the calculation of the certified value and the uncertainty.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

Standard ID : M2271

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2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: CLPP-SPK-1

Lot Number: **D2-MEB324145**

Matrix: 7% HNO3(v/v)

2,000 µg/mL ea:
Al, Ba,

1,000 µg/mL ea:
Fe,

500 µg/mL ea:
Co, Mn, Ni, V, Zn,

250 µg/mL ea:
Cu,

200 µg/mL ea:
Cr3,

50 µg/mL ea:
Ag, Be

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Aluminum, Al	2,000 ± 7 µg/mL	Barium, Ba	2,000 ± 3 µg/mL	Beryllium, Be	50.09 ± 0.21 µg/mL
Chromium+3, Cr3	200.0 ± 0.7 µg/mL	Cobalt, Co	500.0 ± 1.1 µg/mL	Copper, Cu	250.3 ± 0.5 µg/mL
Iron, Fe	1,000 ± 3 µg/mL	Manganese, Mn	500.1 ± 2.7 µg/mL	Nickel, Ni	499.8 ± 1.4 µg/mL
Silver, Ag	50.00 ± 0.12 µg/mL	Vanadium, V	500.0 ± 1.9 µg/mL	Zinc, Zn	499.9 ± 2.1 µg/mL

Certified Density: 1.071 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

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2.0 **DESCRIPTION OF CRM** **1000 µg/mL Strontium in 0.1% (v/v) HNO3**

Catalog Number:	CGSR1-1, CGSR1-2, and CGSR1-5
Lot Number:	**E2-SR02031**
Starting Material:	SrCO3
Starting Material Purity (%):	99.9988
Starting Material Lot No:	1610
Matrix:	0.1% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,001 ± 5 µg/mL - weighted mean

Certified Density: 1.001 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1,001 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Assay Method #2 **1,001 ± 3 µg/mL**
ICP Assay NIST SRM 3153a Lot Number: 990906

Standard ID : M2159

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2.0 DESCRIPTION OF CRM **1000 µg/mL Thorium in 4% (v/v) HNO3**

Catalog Number:	CGTH1-1, CGTH1-2, and CGTH1-5
Lot Number:	**D2-TH01082**
Starting Material:	Th(NO3)4x4H2O
Starting Material Purity (%):	99.997387
Starting Material Lot No:	X0033369-8 and X25828-7
Matrix:	4% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,001 ± 5 µg/mL-weighted mean

Certified Density: 1.022 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

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- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1,002 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Assay Method #2 **1,001 ± 4 µg/mL**
ICP Assay NIST SRM 3159 Lot Number: 992912

Standard ID : M2160

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2.0 DESCRIPTION OF CRM — 1000 µg/mL Thallium in 0.7% (v/v) HNO3

Catalog Number:	CGTL1-1, CGTL1-2, and CGTL1-5
Lot Number:	**E2-TL01121**
Starting Material:	TlNO3
Starting Material Purity (%):	99.9996
Starting Material Lot No:	1576
Matrix:	0.7% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,002 ± 6 µg/mL - weighted mean

Certified Density: 1.003 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\overline{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\overline{x})$ = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1,003 ± 3 µg/mL**
ICP Assay NIST SRM 3158 Lot Number: 993012

Assay Method #2 **1,001 ± 5 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

Standard ID : M2024

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M2024

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: IV-STOCK-12

Lot Number: **E2-MEB372150**

Matrix: 5% HNO3(v/v)

10 µg/mL ea:

Ba, Be, Bi, Ce, Co, In, Li, Ni, Pb, U

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE	ELEMENT	CERTIFIED VALUE
Barium, Ba	9.99 ± 0.04 µg/mL	Beryllium, Be	10.00 ± 0.04 µg/mL	Bismuth, Bi	9.99 ± 0.04 µg/mL
Cerium, Ce	10.00 ± 0.03 µg/mL	Cobalt, Co	10.01 ± 0.07 µg/mL	Indium, In	10.00 ± 0.05 µg/mL
Lead, Pb	10.01 ± 0.05 µg/mL	Lithium, Li	10.00 ± 0.01 µg/mL	Nickel, Ni	9.99 ± 0.03 µg/mL
Uranium, U	10.00 ± 0.03 µg/mL				

Certified Density: 1.025 g/mL (measured at 20 ± 1° C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

Certified Abundance: The 235U in this standard is depleted. The Certified abundances in Atom % are as follows:

IV's Certified Abundance

Isotope	Atom%
Uranium 238U	99.7 ± 0.1
235U	0.29 ± 0.05

4.0 TRACEBILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

Standard ID : M2170

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **10000 µg/mL Uranium in 2% (v/v) HNO3**

Catalog Number:	CGU10-1, CGU10-2, and CGU10-5
Lot Number:	**D2-U01085**
Starting Material:	UO2(NO3)2.6H2O
Starting Material Purity (%):	99.999940
Starting Material Lot No:	N55947
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 10,270 ± 46 µg/mL

Certified Density: 1.023 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

Certified Abundance: The 235U in this standard is depleted. The Certified abundances in Atom % are as follows:

IV's Certified Abundance

Isotope	Atom%
Uranium 238U	99.7 ± 0.1
235U	0.29 ± 0.05

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

Standard ID : M2163

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Uranium in 2% (v/v) HNO3**

Catalog Number:	CGU1-1, CGU1-2, and CGU1-5
Lot Number:	**E2-U01091**
Starting Material:	$UO_2(NO_3)_2 \cdot 6H_2O$
Starting Material Purity (%):	99.9979
Starting Material Lot No:	1627
Matrix:	2% (v/v) HNO_3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,004 ± 6 µg/mL - weighted mean

Certified Density: 1.010 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

Certified Abundance: The 235U in this standard is depleted. The Certified abundances in Atom % are as follows:

IV's Certified Abundance

Isotope	Atom%
Uranium 238U	99.6 ± 0.1
235U	0.42 ± 0.05

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

Standard ID : M2165

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ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** **1000 µg/mL Vanadium in 2% (v/v) HNO3**

Catalog Number:	CGV1-1, CGV1-2, and CGV1-5
Lot Number:	**E2-V02069**
Starting Material:	V2O5
Starting Material Purity (%):	99.9906
Starting Material Lot No:	46
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,003 ± 5 µg/mL - weighted mean

Certified Density: 1.015 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

- "Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)
- This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1,001 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Assay Method #2 **1,004 ± 3 µg/mL**
ICP Assay NIST SRM 3165 Lot Number: 992706

Standard ID : M2155

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2.0 DESCRIPTION OF CRM **1000 µg/mL Zinc in 2% (v/v) HNO3**

Catalog Number:	CGZN1-1, CGZN1-2, and CGZN1-5
Lot Number:	**D2-ZN02065**
Starting Material:	Zn shot
Starting Material Purity (%):	99.9999
Starting Material Lot No:	1560
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 998 ± 4 µg/mL (avg. of 2 methods)

Certified Density: 1.012 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements

Uncertainty (±) $= \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/4}}$

Σs_i = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS

"Property of the result of a measurement or the value of a standard whereby it can be related to stated references, usually national or international standards, through an unbroken chain of comparisons all having stated uncertainties." (ISO VIM, 2nd ed., 1993, definition 6.10)

This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified

4.1 **Assay Method #1** **997 ± 4 µg/mL (avg. of 2 runs)**
ICP Assay NIST SRM 3168a Lot Number: 080123

Assay Method #2 **999 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Standard ID : M2417

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M2417

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2.0 **DESCRIPTION OF CRM** **1000 µg/mL Zirconium in H2O / tr. HF**

Catalog Number:	CGZR1-1, CGZR1-2, and CGZR1-5
Lot Number:	**E2-ZR01085**
Starting Material:	ZrO2
Starting Material Purity (%):	99.9944
Starting Material Lot No:	1590
Matrix:	H2O / tr. HF

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,001 ± 5 µg/mL - weighted mean

Certified Density: 1.000 g/mL (measured at 20 ± 1°C)

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Certified Value $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = mean
x_i = individual results
n = number of measurements
$\sum s_i$ = The summation of all significant estimated errors (Most common are the errors from instrumental measurement, weighing, dilution to volume and the fixed error reported on the NIST SRM certificate of analysis)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

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This product is Traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRMs are available, the term 'in-house std.' is specified.

4.1 **Assay Method #1** **1,002 ± 3 µg/mL**
ICP Assay NIST SRM 3169 Lot Number: 071226

Assay Method #2 **1,000 ± 3 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

IS MO1.3-MS 200.8 MA2236 SOP: MIS MO1.3- Metals ICP MS-01 ICP-MS

CHEMTECH

Water Sample Preparation Sheet

D3487

PrepBatch ID :	PB64539	Batch#	PB64539
SDG No :		ICP Digest Date:	7/24/12 Time : 9:00 a.m.
Matrix :	Water	Sample Received By :	
Method :	IS MO1.3-MS	Dig Technician Signature:	Neerav Patel, John, Bhupesh, Mohan
Initial Volume :	50 ML	Supervisor Signature:	
Final Volume :	50 ML	Prep Code:	~~CWI~~
Hot ~~Plate~~ Temp :	(1) 95°C 2. 3.		

Block. 7/24/12 np Cool down 12:10 p.m. 7/24/12 np

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	0.50 ML	MP12265
Spike Sol. B	0.25 ML	MP12264
	7/24/12 np	

Chemical Used	Lot Number
1:1 HNO3	MP12221
1:1 HCL	MP11619
	7/24/12 np

Date / Time	Received By	Relinquished By	Location
7/24/12 12:10 p.m.		Neerav Patel	ICP-lab.
	Analysis Group	Digestion Group	
	DR, (JS)	(NP), RD	

CHEMTECH Water Sample Preparation Sheet PrepBatch ID : PB64539

Lab Sample ID	Customer Sample Number	Color Before	Color After	Clarity Before	Clarity After	PH	Comments
D3487-01	MH3BP4	C	C	CL	CL	<2	
D3487-02	MH3BP5	C	C	CL	CL	<2	
D3487-03	MH3BP6	C	C	CL	CL	<2	
D3487-04	MH3BP7	C	C	CL	CL	<2	
D3487-05	MH3BP8	C	C	CL	CL	<2	
D3487-06	MH3BP9	C	C	CL	CL	<2	
D3487-07	MH3BQ0	C	C	CL	CL	<2	
PB64539BL	PBW01	C	C	CL	CL	<2	7/24/12 mt
PB64539BS	LCS01	C	C	CL	CL	<2	MP/12265
D3487-01 D		C	C	CL	CL	<2	INI. VOL. 25 mL Final vol. 25 mL
D3487-02 S		C	C	CL	CL	<2	INI. VOL. 25 mL SPK. B Final vol. 25 mL

* BL=Blank BS=Blank Spike TB=TCLP Blank
* COLOR: R=Red BU=Blue Y=Yellow GR=Green O=Orange V=Violet W=White C=Colorless BR=Brown GY=Grey BL=Black
* CLARITY: CL=Clear CD=Cloudy O=Opaque

CHEMTECH **Water Sample Preparation Sheet** **PrepBatch ID : PB64539**

Lab Sample ID	Customer Sample Number	Color Before	Color After	Clarity Before	Clarity After	PH	Comments
D3487-01	MH3BP4	Colorless	Colorless	Clear	Clear	<2	
D3487-02	MH3BP5	Colorless	Colorless	Clear	Clear	<2	
D3487-03	MH3BP6	Colorless	Colorless	Clear	Clear	<2	
D3487-04	MH3BP7	Colorless	Colorless	Clear	Clear	<2	
D3487-05	MH3BP8	Colorless	Colorless	Clear	Clear	<2	
D3487-06	MH3BP9	Colorless	Colorless	Clear	Clear	<2	
D3487-07	MH3BQ0	Colorless	Colorless	Clear	Clear	<2	
PB64539BL	PBW01	Colorless	Colorless	Clear	Clear	<2	7/24/12
PB64539BS	LCS01	Colorless	Colorless	Clear	Clear	<2	12265

D3487-01 D	colorless	colorless	clear	clear	<2		INI. Vol. 25 mL Final Vol. 25 mL
D3487-02 S	colorless	colorless	clear	clear	<2		INI. Vol. 25 mL Final Vol. 25 mL

* BL=Blank BS=Blank Spike TB=TCLP Blank
* COLOR: R=Red BU=Blue Y=Yellow GR=Green O=Orange V=Violet W=White C=Colorless BR=Brown GY=Grey BL=Black
* CLARITY: CL=Clear CD=Cloudy O=Opaque

M13B91

Copy
Original Documents are included in CSF

Signature

7/21/12
Date

00256
00300

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8006 5700 7860

Form ID No. 0215 Recipient's Copy

1 From This portion can be removed for recipient's records.

Date 7/20/12 FedEx Tracking Number 800657007860

Sender's Name TONY LEE Phone 580 436-8748

Company US ENVIRONMENTAL PROTECTION

Address 919 KERR LAB BEERFARCH OK

Dept./Floor/Suite/Room

City ADA State OK ZIP 74820-9775

2 Your Internal Billing Reference

3 To

Recipient's Name Chem Tech Consulting Phone 908 789-9900

Company Snehal Mehta

Address 284 Sheffield Street

We cannot deliver to P.O. boxes or P.O. ZIP codes. Dept./Floor/Suite/Room

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City Mountainside State NJ ZIP 07092

HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

7/21/12

Palab Shah
8:33

8006 5700 7860

4 Express Package Service * To most locations.

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

- [x] FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

2 or 3 Business Days

- [ ] NEW FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.
- [ ] FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.
- [ ] FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging * Declared value limit $500.

- [ ] FedEx Envelope*
- [ ] FedEx Pak*
- [ ] FedEx Box
- [ ] FedEx Tube
- [x] Other

6 Special Handling and Delivery Signature Options

- [x] SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver
- [ ] No Signature Required — Package may be left without obtaining a signature for delivery.
- [ ] Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*
- [ ] Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

- [x] No
- [ ] Yes — As per attached Shipper's Declaration.
- [ ] Yes — Shipper's Declaration not required.
- [ ] Dry Ice — Dry Ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

- [ ] Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below.

- [x] Sender — Acct. No. in Section 1 will be billed.
- [ ] Recipient
- [ ] Third Party
- [ ] Credit Card
- [ ] Cash/Check

Obtain recip. Acct. No. [ ]

Total Packages ____ Total Weight ____ lbs. Credit Card Auth. ____

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

611

fedex.com 1.800.GoFedEx 1.800.463.3339

RECIPIENT'S COPY

408

EPAPAV0053724

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Login Summary Report

Order ID :	D3487	Order Date :	7/21/2012 8:33:00 AM	Project Mgr :	Palak
Client :	USEPA CLP SMO	Project :	42753	Report Type :	USEPA CLP
Contact :	Anita Kapadia	Receive Date :	7/21/2012 8:33:00 AM	EDD Type :	EPA CLP
Date Sign Off :	7/23/2012 1:39:06 PM				

Sample ID	Client ID	Matrix	Sampling Date	Test	Test Group	Method	TAT Days	Fax Due Date	HC Due Date
D3487-01	MH3BP4	Water	04/24/2012						
				Metals CLP MS-CLP12		ISM01.3_MS	5	07/30/2012	07/30/2012
D3487-02	MH3BP5	Water	04/24/2012						
				Metals CLP MS-CLP12		ISM01.3_MS	5	07/30/2012	07/30/2012
D3487-03	MH3BP6	Water	04/24/2012						
				Metals CLP MS-CLP12		ISM01.3_MS	5	07/30/2012	07/30/2012
D3487-04	MH3BP7	Water	04/24/2012						
				Metals CLP MS-CLP12		ISM01.3_MS	5	07/30/2012	07/30/2012
D3487-05	MH3BP8	Water	04/24/2012						
				Metals CLP MS-CLP12		ISM01.3_MS	5	07/30/2012	07/30/2012
D3487-06	MH3BP9	Water	04/24/2012						
				Metals CLP MS-CLP12		ISM01.3_MS	5	07/30/2012	07/30/2012
D3487-07	MH3BQ0	Water	04/24/2012						
				Metals CLP MS-CLP12		ISM01.3_MS	5	07/30/2012	07/30/2012
D3487-08	MH3BP4D	Water	04/24/2012						
				Metals CLP MS-CLP12		ISM01.3_MS	5	07/30/2012	07/30/2012
D3487-09	MH3BP5S	Water	04/24/2012						
				Metals CLP MS-CLP12		ISM01.3_MS	5	07/30/2012	07/30/2012

From: Jarosz, Margaret [mjarosz@fedcsc.com]
Sent: Wednesday, July 25, 2012 2:24 AM
To: EPA
Cc: Kelly Smith; Rick Wilkin; Ferguson. Holly@epamail.epa.gov; Alice Gilliland; vandergrift.steve@epa.gov
Subject: Region ORD | Case 42753 | Lab CHEM | Issue Insufficient volume | FINAL
Attachments: image001.jpg; image002.jpg

Snehal,
Summary Start
Issue: The TR/COC does not designate a sample for QC; however, per scheduling, QC is required. The laboratory initially reported that they did not receive sufficient sample volume to perform even reduced volume QC; however, upon further inspection, they confirmed that they can proceed with limited volume to perform QC for all three SDGs as outlined below:
SDG MH3BQ1 will have the following QC assigned:
Sample MH3BR2 is Original (50ml), and laboratory will use this sample for Dupe (25 ml)
Sample MH3BR8 is Original (50ml), and laboratory will use this sample for Spike (25 ml)

SDG MH3BM4 will have the following QC assigned:
Sample MH3BN7 is Original (50ml), and laboratory will use this sample for Dupe (25 ml)
Sample MH3BN9 is Original (50ml), and laboratory will use this sample for Spike (25 ml)

SDG MH3BP4 will have the following QC assigned:
Sample MH3BP4 is Original (50ml), and laboratory will use this sample for Dupe (25 ml)
Sample MH3BP5 is Original (50ml), and laboratory will use this sample for Spike (25 ml)
Resolution: Per ORD, the laboratory will proceed with QC as suggested, note the issue in the SDG Narrative and proceed with the analysis of the samples.
Summary End

Please let me know if you have any questions or problems. To waive any defect(s) associated with this issue, please contact your PO.

Thank you,
MARGARET JAROSZ
Environmental Coordinator-Regions 1, 4, ORD and GLNPO
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | (p) 703-818-4351 | (f) 703-818-4602 | mjarosz@fedcsc.com | www.csc.com

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7/24/2012 4:30 pm Phone Conversation between Margaret Jarosz (SMO) and ORD. ORD confirmed that it is acceptable for the laboratory to proceed with QC as outlined below.

From: Jarosz, Margaret
Sent: Tuesday, July 24, 2012 4:33 PM
To: 'Alice Gilliland'

Cc: Kelly Smith; Rick Wilkin; Ferguson.Holly@epamail.epa.gov
Subject: RE: Region ORD | Case 42753 | Lab CHEM | Issue Insufficient volume

Good afternoon,
CHEM is providing the following information regarding the issue with Case 42753. With the Region's confirmation, the laboratory can perform QC as indicated below. Please advise.

SDG MH3BQ1 will have the following QC assigned:
Sample MH3BR2 is Original (50ml), and laboratory will use this sample for Dupe (25 ml)
Sample MH3BR8 is Original (50ml), and laboratory will use this sample for Spike (25 ml)

SDG MH3BM4 will have the following QC assigned:
Sample MH3BN7 is Original (50ml), and laboratory will use this sample for Dupe (25 ml)
Sample MH3BN9 is Original (50ml), and laboratory will use this sample for Spike (25 ml)

SDG MH3BP4 will have the following QC assigned:
Sample MH3BP4 is Original (50ml), and laboratory will use this sample for Dupe (25 ml)
Sample MH3BP5 is Original (50ml), and laboratory will use this sample for Spike (25 ml)

Thanks,
MARGARET JAROSZ
Environmental Coordinator-Regions 1, 4, ORD and GLNPO
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | (p) 703-818-4351 | (f) 703-818-4602 | mjarosz@fedcsc.com | www.csc.com

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From: Snehal Mehta [mailto:Snehal@chemtech.net]
Sent: Tuesday, July 24, 2012 5:23 PM
To: Jarosz, Margaret
Cc: Divya@chemtech.net
Subject: FW: Region ORD | Case 42753 | Lab CHEM | Issue Insufficient volume received to perform laboratory QC |

Margaret,

Lab has proceed w/ limited volume to perform QC for all three SDGs.

SDG-MH3BQ1 will have QC assigned as below

MH3BR2 is Original (50ml) and lab will use this sample for **Dupe** (25 ml)
MH3BR8 is Original (50ml) and lab will use this sample for **Spike** (25 ml)

SDG-MH3BM4 will have QC assigned as below

MH3BN7 is Original (50ml) and lab will use this sample for **Dupe** (25 ml)
MH3BN9 is Original (50ml) and lab will use this sample for **Spike** (25 ml)

SDG-MH3BP4 will have QC assigned as below

MH3BP4 is Original (50ml) and lab will use this sample for **Dupe** (25 ml)
MH3BP5 is Original (50ml) and lab will use this sample for **Spike** (25 ml)

Regards,

Snehal Mehta

Tel. 908 728 3158
Fax: 908-789-8514

From: Snehal Mehta [mailto:Snehal@chemtech.net]
Sent: Tuesday, July 24, 2012 3:40 PM
To: Jarosz, Margaret
Subject: RE: Region ORD | Case 42753 | Lab CHEM | Issue Insufficient volume received to perform laboratory QC |

Margaret,

These three are the only SDGs: MH3BQ1, MH3BM4, MH3BP4, lab have received so far under this case.

Regards,

Snehal Mehta

Tel. 908 728 3158
Fax: 908-789-8514
From: Alice Gilliland [mailto:Gilliland.Alice@epamail.epa.gov]
Sent: Tuesday, July 24, 2012 2:02 PM
To: Jarosz, Margaret
Cc: Kelly Smith; Rick Wilkin; Ferguson.Holly@epamail.epa.gov
Subject: RE: Region ORD | Case 42753 | Lab CHEM | Issue Insufficient volume

Margaret,

Kelly was going to try to get our QA manager on the phone with CSC to discuss and clarify. I think she is currently in a meeting. Can you suggest a time this afternoon that we can all get on the line and discuss?

Thanks,
Alice

Alice Gilliland, Ph.D.
Assistant Laboratory Director for Water
National Risk Management Research Laboratory
U.S. EPA Office of Research and Development
Cincinnati, OH
513-569-7852

From: "Jarosz, Margaret" <mjarosz@fedcsc.com>
To: Kelly Smith/ADA/USEPA/US@EPA
Cc: Alice Gilliland/CI/USEPA/US@EPA, Rick Wilkin/ADA/USEPA/US@EPA
Date: 07/24/2012 01:34 PM
Subject: RE: Region ORD | Case 42753 | Lab CHEM | Issue Insufficient volume

---

Kelly,

I spoke with Christian a minute ago and he told me that in a phone conversation, you informed him that laboratory QC is canceled. Please confirm that this is correct so that I may resolve the issue below and finalize this ROC, as well as have the samples re-scheduled without the lab QC requirement.

Thanks,
MARGARET JAROSZ
Environmental Coordinator -Regions 1, 4, ORD and GLNPO
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | (p) 703-818-4351 | (f) 703-818-4602 | mjarosz@fedcsc.com | www.csc.com

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7/24/2012 1:00 pm Phone Conversation between Kelly Smith (ORD) and Christian Jose (SMO). Kelly notified Christian that the QC requirement is canceled. Christian informed Margaret.

From: Jarosz, Margaret
Sent: Monday, July 23, 2012 12:55 PM
To: 'Alice Gilliland'; 'Kelly Smith'; 'Rick Wilkin'
Subject: RE: Region ORD | Case 42753 | Lab CHEM | Issue Insufficient volume

Rick,

Please note CHEM confirmed that they did not receive any samples that can be used for reduced volume QC. Please advise on how the laboratory should proceed.

Thanks,
MARGARET JAROSZ
Environmental Coordinator -Regions 1, 4 and GLNPO
CSC

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Civil Division | (p) 703-818-4351 | (f) 703-818-4602 | mjarosz@fedcsc.com | www.csc.com

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From: Chris Wolski [mailto:c.wolski@chemtech.net]
Sent: Monday, July 23, 2012 12:51 PM
To: Jarosz, Margaret
Subject: RE: EPA Case 42753 I TR ISSUES

No

Regards,

Chris Wolski

Phone: 908-728-3149

Fax: 908-789-8514 or 908-789-8922

From: Jarosz, Margaret [mailto:mjarosz@fedcsc.com]
Sent: Monday, July 23, 2012 12:48 PM
To: Chris Wolski
Subject: RE: EPA Case 42753 I TR ISSUES

Chris,

Does the laboratory have any samples that can be used for reduced volume QC? If so, which samples?

Thanks,
MARGARET JAROSZ
Environmental Coordinator-Regions 1, 4 and GLNPO
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | (p) 703-818-4351 | (f) 703-818-4602 | mjarosz@fedcsc.com | www.csc.com

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From: Jarosz, Margaret
Sent: Monday, July 23, 2012 12:23 PM
To: Alice Gilliland; Kelly Smith; 'Rick Wilkin'
Subject: Region ORD | Case 42753 | Lab CHEM | Issue Insufficient volume

Good afternoon,
CHEM is reporting the following issue with Case 42753. Please advise the laboratory how to proceed.

Issue: The TR/COC does not designate a sample for QC; however, per scheduling, QC is required. The laboratory did not receive sufficient sample volume to perform QC.

Please let me know if you need any additional information.

Thanks,
MARGARET JAROSZ
Environmental Coordinator-Regions 1, 4 and GLNPO
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | (p) 703-818-4351 | (f) 703-818-4602 | mjarosz@fedcsc.com | www.csc.com

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From: Chris Wolski [mailto:c.wolski@chemtech.net]
Sent: Monday, July 23, 2012 11:53 AM
To: Jarosz, Margaret
Subject: RE: EPA Case 42753 I TR ISSUES

Hi Margaret,

This is Chris Wolski on behalf of Snehal who is out today.

Issue 1: There is no QC assigned. There is not enough volume to perform QC. Please guide us.

Regards,

Chris Wolski

Phone: 908-728-3149

Fax: 908-789-8514 or 908-789-8922

[attachment "EPA(Case-42753)-7-21-12.pdf" deleted by Alice Gilliland/CI/USEPA/US]

From: Jarosz, Margaret [mjarosz@fedcsc.com]
Sent: Saturday, July 21, 2012 1:51 AM
To: EPA
Cc: Alice Gilliland; Kelly Smith; Rick Wilkin
Subject: Region ORD | Case 42753 | Lab CHEM | Issue Incorrect/duplicated sample IDs | FINAL

-Updated Record of Communication -

Snehal,
This ROC is updated to revise the last Station Location listed in the table.
Summary Start
Issue: The sample IDs used were not in CLP format. ORD confirmed that SMO could generate CLP IDs for the samples and provide the comparison list of ORD IDs and CLP IDs to the laboratory.
Resolution: The laboratory will use the CLP sample IDs listed below for each corresponding Station Location as listed on the TR/COC. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Station Location	DM CLP Sample ID	TM CLP Sample ID
Field Blk 01	MH3BM4	MH3BQ1
Field Blk 02	MH3BM5	MH3BQ2
Field Blk 03	MH3BM6	MH3BQ3
Field Blk 04	MH3BM7	MH3BQ4
Equip Blk 01	MH3BM8	MH3BQ5
Equip Blk 02	MH3BM9	MH3BQ6
Equip Blk 04	MH3BN0	MH3BQ7
PGDW05-0412	MH3BN1	MH3BQ8
PGDW20-0412	MH3BN2	MH3BQ9
PGDW20d-0412	MH3BN3	MH3BR0
PGDW23-0412	MH3BN4	MH3BR1
PGDW30-0412	MH3BN5	MH3BR2
PGDW50-0412	MH3BN6	MH3BR3
PGPW02-0412	MH3BN7	MH3BR4
EPAMW02-0412-1	MH3BN8	MH3BR5
EPAMW02-0412-2	MH3BN9	MH3BR6
EPAMW01-0412	MH3BP0	MH3BR7
EPAMW01d-0412	MH3BP1	MH3BR8
EPAMW01-0412-2	MH3BP2	
EPAMW01-0412-3	MH3BP3	
EPAMW01-0412-4	MH3BP4	
EPAMW01-0412-5	MH3BP5	
EPAMW01-0412-6	MH3BP6	
EPAMW01-0412-7	MH3BP7	
EPAMW01-0412-8	MH3BP8	
EPAMW01-0412-9	MH3BP9	
EPAMW01-0412-10	MH3BQ0	MH3BR9

Summary End

Please let me know if you have any questions or problems. To waive any defect(s) associated with this issue, please contact your PO.

Thank you,
MARGARET JAROSZ
Environmental Coordinator-Regions 1, 4 and GLNPO
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | (p) 703-818-4351 | (f) 703-818-4602 | mjarosz@fedcsc.com | www.csc.com

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From: Rick Wilkin [mailto:Wilkin.Rick@epamail.epa.gov]
Sent: Friday, July 20, 2012 4:02 PM
To: Jarosz, Margaret
Cc: Alice Gilliland; EPA; Kelly Smith
Subject: Re: Region ORD | Case 42753 | Lab CHEM | Issue Incorrect/duplicated sample IDs | FINAL

This looks good Margaret. The very last sample in the table below should have the id "EPAMW01-0412-10". Thanks.

Rick

==========
Richard T. Wilkin, Ph.D.
Geochemist
U.S. Environmental Protection Agency
National Risk Management Research Laboratory
919 Kerr Research Drive
Ada, OK 74820

off: 580-436-8874
wilkin.rick@epa.gov
www.epa.gov/ada/

"Jarosz, Margaret" ---07/20/2012 02:57:19 PM---Snehal, ***Summary Start***

From: "Jarosz, Margaret" <mjarosz@fedcsc.com>
To: "EPA" <epa@chemtech.net>
Cc: Kelly Smith/ADA/USEPA/US@EPA, Alice Gilliland/CI/USEPA/US@EPA, Rick Wilkin/ADA/USEPA/US@EPA
Date: 07/20/2012 02:57 PM
Subject: Region ORD | Case 42753 | Lab CHEM | Issue Incorrect/duplicated sample IDs | FINAL

Snehal,
Summary Start

Issue: The sample IDs used were not in CLP format. ORD confirmed that SMO could generate CLP IDs for the samples and provide the comparison list of ORD IDs and CLP IDs to the laboratory.
Resolution: The laboratory will use the CLP sample IDs listed below for each corresponding Station Location as listed on the TR/COC. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Station Location	DM CLP Sample ID	TM CLP Sample ID
Field Blk 01	MH3BM4	MH3BQ1
Field Blk 02	MH3BM5	MH3BQ2
Field Blk 03	MH3BM6	MH3BQ3
Field Blk 04	MH3BM7	MH3BQ4
Equip Blk 01	MH3BM8	MH3BQ5
Equip Blk 02	MH3BM9	MH3BQ6
Equip Blk 04	MH3BN0	MH3BQ7
PGDW05-0412	MH3BN1	MH3BQ8
PGDW20-0412	MH3BN2	MH3BQ9
PGDW20d-0412	MH3BN3	MH3BR0
PGDW23-0412	MH3BN4	MH3BR1
PGDW30-0412	MH3BN5	MH3BR2
PGDW50-0412	MH3BN6	MH3BR3
PGPW02-0412	MH3BN7	MH3BR4
EPAMW02-0412-1	MH3BN8	MH3BR5
EPAMW02-0412-2	MH3BN9	MH3BR6
EPAMW01-0412	MH3BP0	MH3BR7
EPAMW01d-0412	MH3BP1	MH3BR8
EPAMW01-0412-2	MH3BP2	
EPAMW01-0412-3	MH3BP3	
EPAMW01-0412-4	MH3BP4	
EPAMW01-0412-5	MH3BP5	
EPAMW01-0412-6	MH3BP6	
EPAMW01-0412-7	MH3BP7	
EPAMW01-0412-8	MH3BP8	
EPAMW01-0412-9	MH3BP9	
EPAMN0-0412-10	MH3BQ0	MH3BR9

Summary End

Please let me know if you have any questions or problems. To waive any defect(s) associated with this issue, please contact your PO.

Thank you,
MARGARET JAROSZ
Environmental Coordinator-Regions 1, 4 and GLNPO
CSC

15000 Conference Center Drive, Chantilly VA 20151
Civil Division | (p) 703-818-4351 | (f) 703-818-4602 | mjarosz@fedcsc.com | www.csc.com

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use of e-mail for such purpose.

From: Kramer, Caroline
Sent: Friday, July 20, 2012 3:39 PM
To: Jarosz, Margaret
Subject: FW: Case 42753

·7/20/2012 2:15 pm: Phone conversation between Caroline Kramer, SMO, and Rick Wilkin, ORD. SMO assisted ORD in sorting out some initial shipping and COC questions once the Case had been submitted. ORD confirmed that the sample IDs uses were not in CLP format. SMO requested that ORD provide the COCs once they were finalized for shipment so that SMO could generate CLP IDs for the samples. ORD agreed since the samples would be shipping for Saturday delivery and to avoid any delays at sample log in, this was the best approach. SMO will provide a finalized record of communication to CHEM and ORD on Friday afternoon which will contain the comparison list of ORD IDs and CLP IDs.

CAROLINE L. KRAMER
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From: Rick Wilkin [mailto:Wilkin.Rick@epamail.epa.gov]
Sent: Friday, July 20, 2012 3:10 PM
To: Kramer, Caroline; Jarosz, Margaret
Cc: Kelly Smith; Alice Gilliland
Subject: Case 42753

Hello Caroline and Margaret - one icechest is waiting to be picked up for Sat delivery. Attached are the COC documents and airbill (FedEx 8006 5700 7860). I have also placed in the icechest a FedEx label that can be used for return of the icechest.

I will be in the office most of tomorrow. You can also call 580-320-2240 if needed on Saturday.

Thanks much for your help today.

Rick

(See attached file: Case42753 1of3.pdf)(See attached file: Case42753 2of2.pdf)(See attached file: Case42753 3of3.pdf)(See attached file: Case42753 Airbill.pdf)

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www.epa.gov/ada/[attachment "Case42753 1of3.pdf" deleted by Rick Wilkin/ADA/USEPA/US] [attachment "Case42753 2of2.pdf" deleted by Rick Wilkin/ADA/USEPA/US] [attachment "Case42753 3of3.pdf" deleted by Rick Wilkin/ADA/USEPA/US] [attachment "Case42753 Airbill.pdf" deleted by Rick Wilkin/ADA/USEPA/US]

EPAPAV0053736

WORKLIST(Hardcopy Internal Chain)

WorkList Name : D3487W WorkList ID : 49264 Date : 7/24/2012 7:41:55 AM

Due Date	Matrix	Sample	Test	Preservative	Customer	Storage Location	Customer Sample	Collect Date	Method
06/23/2012	Water	D3487-01	Metals CLP MS-CLP12	1:1	USEP01	Q31	MH3BP4	04/24/2012	ISM01.3_MS
06/23/2012	Water	D3487-02	Metals CLP MS-CLP12	1:1	USEP01	Q31	MH3BP5	04/24/2012	ISM01.3_MS
06/23/2012	Water	D3487-03	Metals CLP MS-CLP12	1:1	USEP01	Q31	MH3BP6	04/24/2012	ISM01.3_MS
06/23/2012	Water	D3487-04	Metals CLP MS-CLP12	1:1	USEP01	Q31	MH3BP7	04/24/2012	ISM01.3_MS
06/23/2012	Water	D3487-05	Metals CLP MS-CLP12	1:1	USEP01	Q31	MH3BP8	04/24/2012	ISM01.3_MS
06/23/2012	Water	D3487-06	Metals CLP MS-CLP12	1:1	USEP01	Q31	MH3BP9	04/24/2012	ISM01.3_MS
06/23/2012	Water	D3487-07	Metals CLP MS-CLP12	1:1	USEP01	Q31	MH3BQ0	04/24/2012	ISM01.3_MS

Date/Time 7/24/12 8:00 a.m.
Received by: MP
Relinquished by: WS

Date/Time 7/24/12 4 p.m.
Received by: WS
Relinquished by: MP

Request for Quote (RFQ) for Modified Analysis

Date: July 19, 2012

Subject: Modification Reference Number: 2236.0
Title: ICP-MS with modified Calibration and Verification
Sample Matrix: Water
Method Affected: ICP-MS
Statement of Work: ISM01.3

Purpose:

The Contractor Laboratory is requested to perform the following modified analyses under the Inorganic Statement of Work (SOW) ISM01.3, based on the additional specifications listed below. Unless specifically modified by this modification, all analyses, Quality Control (QC), and reporting requirements specified in SOW ISM01.3 remain unchanged and in full force and effect. The number of samples requested in this modification is not guaranteed.

Please note that accepting a modified analysis request is voluntary, and that the Laboratory is not required to accept the modified analysis. There will be no adverse effect to the Laboratory for not accepting the modified analysis request. However, once the Laboratory accepts the request for modified analysis, it shall perform the analysis in accordance with this modification and as specified in SOW ISM01.3.

The Laboratory is requested to review the modification described herein, determine whether or not it shall accept the requested modified analyses, and complete the attached response form. The Laboratory shall provide comments in response to the required changes in the designated area, in order to ensure that the modified analysis can be completed in accordance with the specifications described herein.

Modification to the SOW Specifications:

The contract Laboratory shall analyze water/aqueous samples for the Target Analyte List (TAL) (Cd, Cr, As, Cu, Pb, Ni, Se, Tl and Sb) by ICP-MS as indicated on the Traffic Report/Chain of Custody Record and Laboratory Scheduling Notification form.

Some samples may be received at a reduced volume, less than 100ml but greater than 50ml. The samples will not be shipped at 4°C (±2°C). The Laboratory shall note the temperature at the time of receipt in the SDG Narrative and proceed with analysis.

The Laboratory shall perform the Initial Calibration as currently in the SOW except that the lowest non-blank standard will be set at the CRQL for all analytes.

The acceptance criterion for the initial calibration correlation coefficient is modified to $r \geq 0.998$.

The Laboratory shall re-analyze the low-level (at CRQL) calibration standard at the end of the run. The Percent Difference between the true value and the measured value shall be within ±30%.

The CCV and CCB shall be analyzed after every 10 analytical samples.

As part of the complete data package, the Laboratory shall provide:

- All masses monitored, and all masses used for quantitation.
- All corrections applied to the data to handle interferences and used to generate the final corrected instrument result.

Reporting Requirements:

Hardcopy and electronic data reporting are required as specified per SOW ISM01.3. All hardcopy and electronic data shall be adjusted to incorporate modified specifications. This includes attaching a copy of the requirements for modified analysis to the SDG Narrative. If specific problems occur with incorporation of the modified analysis into the hardcopy and/or electronic deliverable, the Laboratory shall contact the DASS Manager within the Sample Management Office (SMO) at (703) 818-4233 or via email at CCSSUPPORT@fedcsc.com for resolution.

All samples analyzed for the same fraction within an SDG must be analyzed under the same fractional requirements. The Laboratory shall not include data for the same fraction with different requirements in the same SDG.

The Laboratory shall include the Modification Reference Number 2236.0 on each hardcopy data form under the "Mod. Ref. No:" header appearing on each form as well as the SamplePlusMethod/ClientMethodM odificationID element of the electronic deliverable. The Laboratory shall also document the Modification Reference Number and Solicitation Number on the SDG Coversheet and SDG Narrative.

Clarifications/Revisions to the RFQ for Modified Analysis:

Laboratory Name:
Laboratory Comments:

Contractor Laboratory Acknowledgment Document

Analysis	Modification Reference Number	Hardcopy Turnaround Requirement	Preliminary Results (Y/N)	(A) Estimated No. of Samples by Matrix*	Cost For Modified Analysis	
					(B) New Per Sample Price	(A x B) Total Cost
ICP-MS 5-10 Metals	2236.0	7 days	N	20 water 28 water (filtered)	$_____	$_____
					Total Project Cost	$_____

Project Information
Estimated Shipping Period: 07/20/2012
Additional Information: Saturday delivery will be required.

Note: **The Government will make award to the contractor whose offer provides the best value to the Government, price and past performance considered.** The requirements in the RFQ are as stated, and the Government will reduce the line item price listed on the bid sheet for late deliverables at a rate of 5 percent per calendar day late, up to a maximum of 50 percent. The Government will treat noncompliant data and late data for Preliminary Results in accordance with the terms and conditions of the contract, using the price listed on the bid sheet as the basis for the calculation.
***Laboratory generated QC (including MS/MSD and LCS), along with any dilutions and/or re-analyses necessary to produce compliant data, are not billable for any analyses included in this solicitation.**
***PDF delivery is required for all analyses and should be considered in the new per sample price.**

Name of Contractor Laboratory: _____

Contract Number: _____

___ Laboratory AGREES to perform analysis through the modified analysis protocol outlined in Modified Analysis Request. **By agreeing to this solicitation, the laboratory accepts samples that may be scheduled over the monthly contract capacity outlined in the laboratory's contract.**
___ Laboratory DECLINES to perform analysis through the modified analysis protocol outlined in Modified Analysis Request.

Signature of Laboratory Representative: _____ Date: _____

Signature of USEPA Contracting Officer: _____ Date: _____

Analysis: Description of the analyses being requested by the USEPA for this Case. This column is completed by SMO.

Modification Reference Number: The numerical value assigned to the technical requirements describing the changes to the Statement of Work. This column is completed by SMO.

Hardcopy Turnaround Requirement: The analytical data turnaround time required for this Case. This column is completed by SMO.

Preliminary Results: Indicates if Preliminary Results are required for the line item. This column is completed by SMO.

Estimated No. of Samples by Matrix: The client's estimated number of samples (by matrix), to be collected and shipped to the laboratory. This column is completed by SMO.

New Per Sample Price: Laboratory's sample price for analyzing the samples identified in the line item. This column is completed by the laboratory.

Total Cost: This value is the Estimated No. of Samples multiplied by the New Per Sample Price. This column is completed by the laboratory.

Total Project Cost: Sum of the total costs for all line items. This is completed by the laboratory.

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