1216615 - R8 SDMS

COVER SHEET

LABORATORY RESPONSE TO RESULTS OF

CONTRACT COMPLIANCE SCREENING (CCS)

Response To: (Check One) _____Organic CCS

____*_____Inorganic CCS

Response materials should be sent to the attention of the CCS Coordinator.

Labcode: ___**CHEM**_____

Response Date: __**12/02/2011**__

Date Screening
Results Received
at Laboratory: __**11/29/2011**__

EPA Contract No. ____**EPW09038**___

Case No. _____**41926** _____

SDG No. ____**MH3BA0**____

Sample Nos.* _____ _____

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

Only list sample numbers that require reconciliation.

This form is used to identify materials sent in response to results of contract Compliance Screening (CCS). A separate form must accompany the response for each SDG.

Please indicate (on the attached continuation form) which fractions and /or which criteria correspond with your resubmission. Response materials sent to CCS should also be copied to the Region with this blue Cover Sheet.

Laboratory Response To Results Of CCS

SDG#:___MH3BA0_____

Fraction	Defect	Comments
ICP-MS	A2.23	Revised EDD is uploaded in EPA site.

COMPLETE SAMPLE DELIVERY GROUP FILE (CSF)
RECEIPT/TRACKING FORM

U.S. Environmental Protection Agency
Region 8 Superfund Program
Contract Laboratory Program

MT.

Audit Number R8-2011- 236 Site Name: Smurfit Stone Mill

Date CSF Received: 11-29-2011 Site Manager: Robert Parker

Received By: Frances MacDonald Case Number: 41926

Lab. Name: ALS Lab SDG Number: MH3BA0

Number of Samples/Matrix: 16 Waters

CFS Relinquished By:

Print Name Frances MacDonald Date 01/01/12 Signature Frances MacDonald

CSF Received By:

Print Name Rodney Varger Date 01/11/12 Signature Rodney Varger

CFS Relinquished By:

Print Name _____ Date _____ Signature _____

CSF Received By:

Print Name _____ Date _____ Signature _____

CSF Relinquished By:

Print Name _____ Date _____ Signature _____

CFS Received By:

Print Name _____ Date _____ Signature _____

CFS Relinquished By:

Print Name _____ Date _____ Signature _____

1.	Custody Seal present, signed, & dated?	Yes X No ___
2.	COC /Traffic Reports present, signed, & dated?	Yes X No ___
3.	Air bill present, signed, & dated?	Yes X No ___
4.	Form DC-1 present?	Yes X No ___
5.	Form DC-2 present?	Yes X No ___
6.	Laboratory documents legible? (complete audit only)	Yes X No ___
7.	Original documents included in CSF? (complete audit only)	Yes X No ___
8.	Raw data present for all analytical fractions?	Yes X No ___
9.	Percent solids form for soils present?	Yes ___ No X
10.	Cover page present?	Yes X No ___
11.	Records of communication present?	Yes X No ___
12.	Form 1's present for all analytical fractions?	Yes X No ___
13.	Electronic data deliverables including CCS Report & Superset Deliverables available in EDM?	Yes X No ___

14. List RPM and contractors who receive or who have access to electronic DAT files in EDM:

D. Dashen URS

K. Alexander R. Parker

15: Comments:

Andrew MacDonald Frances MacDonald 11.25.2011

Signature Print Name Date

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME :	CHEMTECH CONSULTING GROUP, INC.		
CITY / STATE :	MOUNTAINSIDE, NJ		
CASE NO :	41926	SDG NO :	MH3BA0
SDG NOs TO FOLLOW			
NRAS NO :			
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	9	✔	
5.	Cover Page	10	11	✔	
	Inorganic Analysis				
6.	Data Sheet (Form IA-IN)	12	27	✔	
7.	Initial & Continuing Calibration Verification (Form IIA-IN)	28	37	✔	
8.	Blanks (Form III-IN)	38	44	✔	
9.	ICP-AES Interference Check Sample (Form IVA-IN)				
10.	ICP-MS Interference Check Sample (Form IVB-IN)	45	48	✔	
11.	Matrix Spike Sample Recovery (Form VA-IN)	49	49	✔	
12.	Post-Digestion Spike Sample Recovery (Form VB-IN)	50	50	✔	
13.	Duplicates (Form VI-IN)	51	51	✔	
14.	Laboratory Control Sample (Form VII-IN)	52	52	✔	
15.	ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	53	53	✔	
16.	Method Detection Limits (Annually) (Form IX-IN)	54	54	✔	
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)	55	56	✔	
20.	Preparation Log (Form XII-IN)	57	57	✔	
21.	Analysis Run Log (Form XIII-IN)	58	63	✔	
22.	ICP-MS Tune (Form XIV-IN)	64	65	✔	
23.	ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	66	77	✔	
24.	Initial Calibration (Form XVI-IN)	78	81	✔	
25.	ICP-AES Raw Data				
26.	ICP-MS Raw Data	82	630	✔	
27.	Mercury Raw Data				

28.	Cyanide Raw Data				
29.	Preparation Logs Raw Data	631	633	✔	
30.	Percent Solids Determination Log				
31.	**USEPA Shipping/Receiving Documents**				
	Airbill (No. of Shipments) 1	634	634	✔	
	Sample Tags (***In a Plastic Bag w/ Page #)***				
	Sample Log-In Sheet (Lab)	635	636	✔	
32.	Misc. Shipping/Receiving Records				
	(list all individual records)				
	Telephone log	637	639	✔	
	PE Instuction Page				
	Modified Analysis Page				
33.	Internal Lab Sample Transfer Records &				
	Tracking Sheets (describe or list)				
	Internal Lab COC	640	640	✔	
	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) 11/23/11 (Date)

Audited By :

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

CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092

SDG NARRATIVE

USEPA
SDG # MH3BA0
CASE # 41926
CONTRACT # EPW09038
LAB NAME: CHEMTECH CONSULTING GROUP
LAB CODE: CHEM
CHEMTECH PROJECT #C4463

A. Number of Samples and Date of Receipt

16 Water Samples were delivered to the laboratory intact on 11/03/11.

B. Parameters

Test requested for Metals CLP MS = Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc.

C. Cooler Temp

Indicator Bottle: Presence/Absence
Cooler: 4°C

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

Issue 1: The laboratory received samples without CLP formatted IDs.

Issue 2: The TM/DM samples have the same ID on the TR/COC.

Issue 3: The TR/COC does not list a TAT. Per Scheduling this Case requires a 21 day TAT.

Issue 4: The TR/COC lists the analyses as metals for soil/TM samples and as dissolved metals for DM samples. Per Scheduling, soil samples require ICP-AES 11÷ Metals (full list) analysis and TM/DM samples require ICP-MS 11+ Metals (full list) analysis.

Issue 5: No sample was designated for laboratory QC or they indicated that laboratory QC is not required on the TR/COC. Per scheduling, laboratory QC is required.

Issue 6: Sample tags were not received with samples at the laboratory. Sample tag numbers may or may not be listed on the TR/COC.

E. Corrective Action taken for above:

Resolution 1: In accordance with previous direction from Region 8, the SMO coordinator will assign new sample IDs and provide the laboratory and the Region with a copy of the cross-referenced sample IDs. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Resolution 2: In accordance with previous direction from Region 8, the Total Metals sample will keep the CLP sample ID listed on the TR/COC. The SMO coordinator will assign a new CLP sample ID for the Dissolved Metals/Filtered Metals sample and notify the Region and the laboratory of the new sample ID. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Resolution 3: In accordance with previous direction from Region 8, the laboratory will proceed with the turnaround time indicated on the Scheduling Notification Form, note the issue in the SDG Narrative, and proceed with the analysis of the samples. The resolution will be applied to all TR/COCs received for this Case that list an incorrect turnaround time.

Resolution 4: In accordance with previous direction from Region 8, the laboratory will note the issue in the SDG Narrative, perform the analyses as indicated on the Scheduling Notification Form, and proceed with the analysis of the samples. The resolution will be applied to all TR/COCs received for this Case that list an incorrect analysis.

Resolution 5: In accordance with previous direction from Region 8, the laboratory will select a sample for laboratory QC as long as the sample is not a PE, blank, or rinsate sample and laboratory QC can be performed at full volume. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Resolution 6: In accordance with previous direction from Region 8, the laboratory will note the issue in the SDG Narrative, and proceed with the analysis of the sample. The Resolution will be applied to all samples received for this Case.

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

CHEMTECH
284 Sheffield Street
Mountainside, NJ 07092

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 except for Cobalt.

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 11/23/11

Title: Document Control Officer

SAMPLE LOG-IN SHEET

Lab Name CHEMTECH CONSULTING GROUP

Received By (Print Name)	Palak Shah
Received By (Signature)	Palak Shah
Log-in Date	**11/3/2011**

Case Number 41926	Sample Delivery Group No. MH3BA0	NRAS Number N/A

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. — 8739 8176 0364
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 — 4°C
10. Does information on custody records, traffic reports, and sample tags agree? — Yes/No*
11. Date Received at Lab — 11/3/11
12. Time Received — 9:15

Corresponding

EPA Sample #	Aqueous Sample pH	Sample Tag #	Assigned Lab #	Remarks: Condition of Sample shipment, etc.
MH3BA0	< 2	NO TAG	C4463-01	On ice intact
MH3B85			C4463-02	
MH3B86			C4463-03	
MH3B87			C4463-04	
MH3B88			C4463-05	
MH3B89			C4463-06	
MH3B90			C4463-07	
MH3B90D			C4463-08	
MH3B90S			C4463-09	
MH3B91			C4463-10	
MH3B92			C4463-11	
MH3B93			C4463-12	
MH3B94			C4463-13	
MH3B95			C4463-14	
MH3B96			C4463-15	
MH3B97			C4463-16	
MH3B98			C4463-17	
MH3B99			C4463-18	

Sample Transfer

Fraction	Fraction metals
Area #	Area # A21
By	By Palak Shah
On	On 11/3/11

* Contact SMO and attach record of resolution

Reviewed By	Michael Murphy
Date	11/3/11
Logbook No.	
Logbook Page	

Sample Delivery Group (SDG) Cover Sheet

SDG Number	MH3BA0	Case Number	41926	Contract Number	EPW09038
Lab Code	CHEM	SDG Turnaround	21 days	Delivery CLIN(s)	—

First Sample Received in SDG	MH3BA0	Last Sample Received in SDG	MH3BA0
First Sample Receipt Date	11/3/2011 9:15:00 AM	Last Sample Receipt Date	11/3/2011 9:15:00 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)
MH3BA0	Field Sample	0010C	NONE	NONE
MH3B85	Field Sample	0010C		
MH3B86	Field Sample	0010C		
MH3B87	Field Sample	0010C		
MH3B88	Field Sample	0010C		
MH3B89	Field Sample	0010C		
MH3B90	Field Sample	0010C		
MH3B90D	Field Sample	0010C		
MH3B90S	Field Sample	0010C		
MH3B91	Field Sample	0010C		
MH3B92	Field Sample	0010C		
MH3B93	Field Sample	0010C		
MH3B94	Field Sample	0010C		
MH3B95	Field Sample	0010C		
MH3B96	Field Sample	0010C		
MH3B97	Field Sample	0010C		
MH3B98	Field Sample	0010C		
MH3B99	Field Sample	0010C		

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 Sushant Mehta Date 11/4/11

SDG # MH3BA0

USEPA
DateShipped: 11/1/2011
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: 41926
Contact Name: Jeff Miller
Contact Phone: 720-810-0792

No: 8-110111-144130-0008
( ) #:
Lab: ChemTech Consulting Group
Lab Phone: 908-789-8900

Lab #	Location	Analyses	Matrix	Collected	Sample Time	Preservative	MS/MSD
	SSSO0514	Metals	Soil	10/27/2011	10:10		
	SSSO0612	Metals	Soil	10/27/2011	11:10		
	SSSO0902	Metals	Soil	10/27/2011	14:10		
	SSSO0916	Metals	Soil	10/27/2011	13:50		
	SSSO1002	Metals	Soil	10/27/2011	17:45		
	SSSO1102	Metals	Soil	10/27/2011	15:40		
	SSSO1110	Metals	Soil	10/27/2011	16:00		
	SSSO1202	Metals	Soil	10/27/2011	17:20		
	SSSO1302	Metals	Soil	10/28/2011	16:40		Y
	SSSO1306	Metals	Soil	10/28/2011	10:45		
	SSSO1402	Metals	Soil	10/28/2011	13:30		Y
	SSSO1702	Metals	Soil	10/28/2011	18:25		
	SSSO8902	Metals	Soil	10/28/2011	13:30		
	SSSO9902	Metals	Soil	10/28/2011	16:40		
	SSSW89	Metals	Surface Water	10/29/2011	9:00	HNO3 pH<2	
	SSGW03	Metals	Ground Water	10/28/2011	9:10	HNO3 pH<2	
	SSGW04	Metals	Ground Water	10/27/2011	14:05	HNO3 pH<2	
	SSGW05	Metals	Ground Water	10/27/2011	17:25	HNO3 pH<2	
	SSGW07	Metals	Ground Water	10/28/2011	11:37	HNO3 pH<2	
	SSGW08	Metals	Ground Water	10/28/2011	18:50	HNO3 pH<2	

Special Instructions: Results to jeff.miller@urs.com, amy.k.gray@urs.com

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY # NA

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		Nov 2, 2011	FEDEX				Fedex	11/3/11	PS	11/3/11	9:15

(Soil samples are in SDG# MH3554)

Temp: 4°C

(See e-Mail for client sample ID & Excel table)

SDG # MH3BA0

USEPA
DateShipped: 11/1/2011
CarrierName: FedEx
AirbillNo:

CHAIN OF CUSTODY RECORD
Site #: 41926
Contact Name: Jeff Miller
Contact Phone: 720-810-0792

No: 8-110111-144130-0008
Cooler #:
Lab: ChemTech Consulting Group
Lab Phone: 908-789-8900

Lab #	Location	Analyses	Matrix	Collected	Sample Time	Preservative	MS/MSD
	SSGW10	Metals	Ground Water	10/28/2011	14:10	HNO3 pH<2	Y
	SSGW11	Metals	Ground Water	10/28/2011	17:20	HNO3 pH<2	
	SSGW12	Metals	Ground Water	10/29/2011	10:20	HNO3 pH<2	
	SSGW18	Metals	Ground Water	10/27/2011	10:23	HNO3 pH<2	
	SSGW23	Metals	Ground Water	10/29/2011	12:45	HNO3 pH<2	Y
	SSGW24	Metals	Ground Water	10/29/2011	13:50	HNO3 pH<2	
	SSGW25	Metals	Ground Water	10/29/2011	13:20	HNO3 pH<2	
	SSGW26	Metals	Ground Water	10/29/2011	11:50	HNO3 pH<2	
	SSGW89	Metals	Ground Water	10/29/2011	14:10	HNO3 pH<2	
	SSGW99	Metals	Ground Water	10/29/2011	11:55	HNO3 pH<2	
	SSGW03	Dissolved Metals	Filtered Water	10/28/2011	9:10	HNO3 pH<2	
	SSGW04	Dissolved Metals	Filtered Water	10/27/2011	14:05	HNO3 pH<2	
	SSGW05	Dissolved Metals	Filtered Water	10/27/2011	17:25	HNO3 pH<2	
	SSGW07	Dissolved Metals	Filtered Water	10/28/2011	11:37	HNO3 pH<2	
	SSGW08	Dissolved Metals	Filtered Water	10/28/2011	18:50	HNO3 pH<2	
	SSGW10	Dissolved Metals	Filtered Water	10/28/2011	14:10	HNO3 pH<2	Y
	SSGW11	Dissolved Metals	Filtered Water	10/28/2011	17:20	HNO3 pH<2	
	SSGW12	Dissolved Metals	Filtered Water	10/29/2011	10:20	HNO3 pH<2	
	SSGW18	Dissolved Metals	Filtered Water	10/27/2011	10:23	HNO3 pH<2	
	SSGW23	Dissolved Metals	Filtered Water	10/29/2011	12:45	HNO3 pH<2	Y

Special Instructions: Results to jeff.miller@urs.com, amy.k.gray@urs.com

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #
N/A

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		NOV 2 2011	FEDEX				Fedex	11/3/11	PS	11/3/11	9:15

(Diss. Metals samples are in SDG # MH3BA1)

Temp: 4°C

(See e-mail for client sample IDs Excel for T)

Metals

COVER PAGE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No: 41926 Mod. Ref. No.: SDG No: MH3BA0

SOW No.: ISM01.3

EPA Sample No.	Lab Sample ID
MH3B85	C4463-02
MH3B86	C4463-03
MH3B87	C4463-04
MH3B88	C4463-05
MH3B89	C4463-06
MH3B90	C4463-07
MH3B90D	C4463-08
MH3B90S	C4463-09
MH3B91	C4463-10
MH3B92	C4463-11
MH3B93	C4463-12
MH3B94	C4463-13
MH3B95	C4463-14
MH3B96	C4463-15
MH3B97	C4463-16
MH3B98	C4463-17
MH3B99	C4463-18

		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 not receive any 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 V Reyes Name: MILDRED REYES

Date: 11/23/11 Title: DOCUMENT CONTROL OFFICER

Metals

COVER PAGE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No: 41926 Mod. Ref. No.: SDG No: MH3BA0

SOW No.: ISM01.3

EPA Sample No.	Lab Sample ID
MH3BA0	C4463-01

		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 not receive any 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 V Reyes Name: MILDRED REYES

Date: 11/23/11 Title: DOCUMENT CONTROL OFFICER

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3BA0

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-01

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	12.0	J		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	1.0	U		MS
7440-39-3	Barium	2.1	J		MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	102	J		MS
7440-47-3	Chromium	0.35	J		MS
7440-48-4	Cobalt	1.0	U	E	MS
7440-50-8	Copper	0.16	J		MS
7439-89-6	Iron	200	U		MS
7439-92-1	Lead	0.27	J		MS
7439-95-4	Magnesium	26.6	J		MS
7439-96-5	Manganese	0.76	J		MS
7440-02-0	Nickel	1.0	U		MS
7440-09-7	Potassium	76.0	J		MS
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	1380			MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	5.0	U		MS
7440-66-6	Zinc	3.0			MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B85

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-02

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	441			MS
7440-36-0	Antimony	0.27	J		MS
7440-38-2	Arsenic	27.1			MS
7440-39-3	Barium	1860			MS
7440-41-7	Beryllium	0.32	J		MS
7440-43-9	Cadmium	0.49	J		MS
7440-70-2	Calcium	57000			MS
7440-47-3	Chromium	9.0			MS
7440-48-4	Cobalt	1.1		E	MS
7440-50-8	Copper	6.7			MS
7439-89-6	Iron	2630			MS
7439-92-1	Lead	1.4			MS
7439-95-4	Magnesium	1220000		D	MS
7439-96-5	Manganese	1180			MS
7440-02-0	Nickel	14.4			MS
7440-09-7	Potassium	70600		D	MS
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	0.15	J		MS
7440-23-5	Sodium	1170000		D	MS
7440-28-0	Thallium	0.13	J		MS
7440-62-2	Vanadium	8.9			MS
7440-66-6	Zinc	8.3			MS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Metals

IA-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B86

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-03

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	2360			MS
7440-36-0	Antimony	0.60	J		MS
7440-38-2	Arsenic	20.0			MS
7440-39-3	Barium	1360			MS
7440-41-7	Beryllium	0.19	J		MS
7440-43-9	Cadmium	1.0			MS
7440-70-2	Calcium	258000		D	MS
7440-47-3	Chromium	18.5			MS
7440-48-4	Cobalt	2.3		E	MS
7440-50-8	Copper	19.5			MS
7439-89-6	Iron	5090			MS
7439-92-1	Lead	6.6			MS
7439-95-4	Magnesium	172000		D	MS
7439-96-5	Manganese	4780		D	MS
7440-02-0	Nickel	16.2			MS
7440-09-7	Potassium	23400			MS
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	0.38	J		MS
7440-23-5	Sodium	821000		D	MS
7440-28-0	Thallium	0.093	J		MS
7440-62-2	Vanadium	12.4			MS
7440-66-6	Zinc	79.0			MS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Metals

IA-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B87

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-04

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7320			MS
7440-36-0	Antimony	0.76	J		MS
7440-38-2	Arsenic	39.3			MS
7440-39-3	Barium	2140			MS
7440-41-7	Beryllium	2.2			MS
7440-43-9	Cadmium	1.1			MS
7440-70-2	Calcium	29500			MS
7440-47-3	Chromium	47.4			MS
7440-48-4	Cobalt	11.6		E	MS
7440-50-8	Copper	89.1			MS
7439-89-6	Iron	30700			MS
7439-92-1	Lead	35.9			MS
7439-95-4	Magnesium	52100			MS
7439-96-5	Manganese	1590			MS
7440-02-0	Nickel	27.0			MS
7440-09-7	Potassium	46200			MS
7782-49-2	Selenium	0.95	J		MS
7440-22-4	Silver	0.35	J		MS
7440-23-5	Sodium	1920000		D	MS
7440-28-0	Thallium	0.10	J		MS
7440-62-2	Vanadium	74.8			MS
7440-66-6	Zinc	77.7			MS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B88

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-05

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	16700			MS
7440-36-0	Antimony	1.6	J		MS
7440-38-2	Arsenic	40.2			MS
7440-39-3	Barium	3640			MS
7440-41-7	Beryllium	2.2			MS
7440-43-9	Cadmium	0.94	J		MS
7440-70-2	Calcium	277000		D	MS
7440-47-3	Chromium	77.4			MS
7440-48-4	Cobalt	34.4		E	MS
7440-50-8	Copper	177			MS
7439-89-6	Iron	72500		D	MS
7439-92-1	Lead	105			MS
7439-95-4	Magnesium	178000		D	MS
7439-96-5	Manganese	14600		D	MS
7440-02-0	Nickel	49.6			MS
7440-09-7	Potassium	26700			MS
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	0.54	J		MS
7440-23-5	Sodium	797000		D	MS
7440-28-0	Thallium	0.50	J		MS
7440-62-2	Vanadium	40.4			MS
7440-66-6	Zinc	118			MS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B89

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-06

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	795			MS
7440-36-0	Antimony	4.5			MS
7440-38-2	Arsenic	99.5			MS
7440-39-3	Barium	129			MS
7440-41-7	Beryllium	0.51	J		MS
7440-43-9	Cadmium	0.39	J		MS
7440-70-2	Calcium	77600			MS
7440-47-3	Chromium	32.4			MS
7440-48-4	Cobalt	1.7		E	MS
7440-50-8	Copper	8.0			MS
7439-89-6	Iron	6160			MS
7439-92-1	Lead	2.5			MS
7439-95-4	Magnesium	29600			MS
7439-96-5	Manganese	4750		D	MS
7440-02-0	Nickel	18.6			MS
7440-09-7	Potassium	20300			MS
7782-49-2	Selenium	0.98	J		MS
7440-22-4	Silver	0.10	J		MS
7440-23-5	Sodium	812000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	151			MS
7440-66-6	Zinc	9.8			MS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Metals

IA-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B90

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-07

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7780			MS
7440-36-0	Antimony	2.3			MS
7440-38-2	Arsenic	133			MS
7440-39-3	Barium	945			MS
7440-41-7	Beryllium	0.92	J		MS
7440-43-9	Cadmium	0.79	J		MS
7440-70-2	Calcium	50600			MS
7440-47-3	Chromium	132			MS
7440-48-4	Cobalt	8.3		E	MS
7440-50-8	Copper	96.2			MS
7439-89-6	Iron	27300			MS
7439-92-1	Lead	30.6			MS
7439-95-4	Magnesium	24500			MS
7439-96-5	Manganese	3090		D	MS
7440-02-0	Nickel	40.4			MS
7440-09-7	Potassium	8840			MS
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	0.26	J		MS
7440-23-5	Sodium	694000		D	MS
7440-28-0	Thallium	0.13	J		MS
7440-62-2	Vanadium	92.8			MS
7440-66-6	Zinc	52.2			MS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B91

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-10

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11300			MS
7440-36-0	Antimony	1.3	J		MS
7440-38-2	Arsenic	101			MS
7440-39-3	Barium	1270			MS
7440-41-7	Beryllium	1.2			MS
7440-43-9	Cadmium	0.82	J		MS
7440-70-2	Calcium	53900			MS
7440-47-3	Chromium	167			MS
7440-48-4	Cobalt	13.5		E	MS
7440-50-8	Copper	112			MS
7439-89-6	Iron	41200			MS
7439-92-1	Lead	37.2			MS
7439-95-4	Magnesium	28200			MS
7439-96-5	Manganese	5910		D	MS
7440-02-0	Nickel	53.4			MS
7440-09-7	Potassium	13600			MS
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	0.30	J		MS
7440-23-5	Sodium	584000		D	MS
7440-28-0	Thallium	0.34	J		MS
7440-62-2	Vanadium	61.0			MS
7440-66-6	Zinc	75.3			MS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Metals

IA-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B92

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-11

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1720			MS
7440-36-0	Antimony	1.2	J		MS
7440-38-2	Arsenic	48.1			MS
7440-39-3	Barium	202			MS
7440-41-7	Beryllium	0.41	J		MS
7440-43-9	Cadmium	0.23	J		MS
7440-70-2	Calcium	62500			MS
7440-47-3	Chromium	49.7			MS
7440-48-4	Cobalt	2.4		E	MS
7440-50-8	Copper	39.2			MS
7439-89-6	Iron	40400			MS
7439-92-1	Lead	20.1			MS
7439-95-4	Magnesium	19200			MS
7439-96-5	Manganese	4360		D	MS
7440-02-0	Nickel	11.9			MS
7440-09-7	Potassium	18800			MS
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	0.20	J		MS
7440-23-5	Sodium	481000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	31.7			MS
7440-66-6	Zinc	11.0			MS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Metals

IA-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B93

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-12

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	251			MS
7440-36-0	Antimony	1.4	J		MS
7440-38-2	Arsenic	41.7			MS
7440-39-3	Barium	143			MS
7440-41-7	Beryllium	0.18	J		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	56300			MS
7440-47-3	Chromium	4.2			MS
7440-48-4	Cobalt	0.56	J	E	MS
7440-50-8	Copper	6.3			MS
7439-89-6	Iron	4020			MS
7439-92-1	Lead	1.9			MS
7439-95-4	Magnesium	17700			MS
7439-96-5	Manganese	3430		D	MS
7440-02-0	Nickel	5.5			MS
7440-09-7	Potassium	16300			MS
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	0.085	J		MS
7440-23-5	Sodium	515000		D	MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	28.5			MS
7440-66-6	Zinc	13.7			MS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Metals

IA-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B94

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-13

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11.6	J		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	1.2			MS
7440-39-3	Barium	155			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	73100			MS
7440-47-3	Chromium	0.36	J		MS
7440-48-4	Cobalt	0.12	J	E	MS
7440-50-8	Copper	0.67	J		MS
7439-89-6	Iron	863			MS
7439-92-1	Lead	0.29	J		MS
7439-95-4	Magnesium	25600			MS
7439-96-5	Manganese	8.3			MS
7440-02-0	Nickel	0.53	J		MS
7440-09-7	Potassium	2210			MS
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	42900			MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.94	J		MS
7440-66-6	Zinc	7.2			MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Metals

IA-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B95

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-14

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7.8	J		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	1.4			MS
7440-39-3	Barium	364			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	69000			MS
7440-47-3	Chromium	0.32	J		MS
7440-48-4	Cobalt	0.095	J	E	MS
7440-50-8	Copper	0.80	J		MS
7439-89-6	Iron	191	J		MS
7439-92-1	Lead	0.26	J		MS
7439-95-4	Magnesium	24000			MS
7439-96-5	Manganese	2.1			MS
7440-02-0	Nickel	0.38	J		MS
7440-09-7	Potassium	2030			MS
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	26900			MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.73	J		MS
7440-66-6	Zinc	9.4			MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Metals

IA-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B96

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-15

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	8.6	J		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	1.4			MS
7440-39-3	Barium	195			MS
7440-41-7	Beryllium	0.11	J		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	70100			MS
7440-47-3	Chromium	0.32	J		MS
7440-48-4	Cobalt	0.13	J	E	MS
7440-50-8	Copper	0.89	J		MS
7439-89-6	Iron	1970			MS
7439-92-1	Lead	0.26	J		MS
7439-95-4	Magnesium	24300			MS
7439-96-5	Manganese	14.9			MS
7440-02-0	Nickel	0.81	J		MS
7440-09-7	Potassium	2090			MS
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	36100			MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	1.3	J		MS
7440-66-6	Zinc	20.2			MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Metals

IA-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B97

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-16

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7.8	J		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	1.7			MS
7440-39-3	Barium	538			MS
7440-41-7	Beryllium	0.075	J		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	63600			MS
7440-47-3	Chromium	0.30	J		MS
7440-48-4	Cobalt	1.0	U	E	MS
7440-50-8	Copper	0.77	J		MS
7439-89-6	Iron	199	J		MS
7439-92-1	Lead	0.55	J		MS
7439-95-4	Magnesium	21700			MS
7439-96-5	Manganese	1.7			MS
7440-02-0	Nickel	0.35	J		MS
7440-09-7	Potassium	1940			MS
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	18400			MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.74	J		MS
7440-66-6	Zinc	35.3			MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Metals

IA-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B98

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-17

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	7290			MS
7440-36-0	Antimony	2.1			MS
7440-38-2	Arsenic	132			MS
7440-39-3	Barium	903			MS
7440-41-7	Beryllium	1.0			MS
7440-43-9	Cadmium	0.88	J		MS
7440-70-2	Calcium	50900			MS
7440-47-3	Chromium	130			MS
7440-48-4	Cobalt	8.3		E	MS
7440-50-8	Copper	89.7			MS
7439-89-6	Iron	27300			MS
7439-92-1	Lead	29.7			MS
7439-95-4	Magnesium	24500			MS
7439-96-5	Manganese	3180		D	MS
7440-02-0	Nickel	39.3			MS
7440-09-7	Potassium	8770			MS
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	0.32	J		MS
7440-23-5	Sodium	719000		D	MS
7440-28-0	Thallium	0.18	J		MS
7440-62-2	Vanadium	93.1			MS
7440-66-6	Zinc	52.7			MS

Color Before: BROWN Clarity Before: CLOUDY Texture:

Color After: YELLOW Clarity After: CLEAR Artifacts:

Comments:

Metals

1A-IN

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH3B99

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Matrix: WATER Lab Sample ID: C4463-18

% Solids: Date Received: 11/03/2011

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	11.0	J		MS
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	1.6			MS
7440-39-3	Barium	539			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium	64100			MS
7440-47-3	Chromium	0.24	J		MS
7440-48-4	Cobalt	1.0	U	E	MS
7440-50-8	Copper	0.77	J		MS
7439-89-6	Iron	207			MS
7439-92-1	Lead	0.51	J		MS
7439-95-4	Magnesium	21700			MS
7439-96-5	Manganese	1.6			MS
7440-02-0	Nickel	0.30	J		MS
7440-09-7	Potassium	1960			MS
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium	18600			MS
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	1.0	J		MS
7440-66-6	Zinc	38.2			MS

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP9292

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum	504	543.50	108	10000	9744.00	97	9806.00	98	MS
Antimony	199	189.40	95	500	493.90	99	502.60	101	MS
Barium	99	97.76	99	2500	2467.00	99	2483.00	99	MS
Beryllium	99	98.22	99	500	494.40	99	502.00	100	MS
Cadmium	99	98.04	99	500	501.20	100	504.10	101	MS
Calcium	2005	1978.00	99	50000	49610.00	99	50170.00	100	MS
Chromium	98	97.02	99	500	495.20	99	496.00	99	MS
Cobalt	100	99.39	99	500	495.50	99	495.70	99	MS
Copper	98	101.30	103	1000	993.60	99	998.10	100	MS
Iron	1016	975.60	96	25000	24790.00	99	25040.00	100	MS
Lead	200	197.20	99	500	497.00	99	497.80	100	MS
Magnesium	1215	1246.00	103	50000	49760.00	100	50490.00	101	MS
Manganese	100	98.33	98	1000	994.30	99	1004.00	100	MS
Nickel	101	100.30	99	500	496.20	99	495.90	99	MS
Potassium	2004	2037.00	102	25000	24860.00	99	25150.00	101	MS
Selenium	206	190.70	93	500	492.70	99	498.60	100	MS
Silver	100	99.07	99	500	494.90	99	499.90	100	MS
Sodium	2019	2111.00	105	50000	50590.00	101	51600.00	103	MS
Thallium	206	200.20	97	500	500.20	100	498.10	100	MS
Vanadium	100	96.41	96	500	493.20	99	495.90	99	MS
Zinc	205	200.90	98	1000	1008.00	101	1010.00	101	MS

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

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP9292

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000	9736.00	97	9391.00	94	MS
Antimony				500	502.80	101	507.80	102	MS
Barium				2500	2487.00	99	2489.00	100	MS
Beryllium				500	497.40	99	500.10	100	MS
Cadmium				500	501.80	100	513.40	103	MS
Calcium				50000	50480.00	101	50800.00	102	MS
Chromium				500	499.60	100	499.70	100	MS
Cobalt				500	497.40	99	492.20	98	MS
Copper				1000	1001.00	100	987.70	99	MS
Iron				25000	25140.00	101	25000.00	100	MS
Lead				500	500.10	100	500.70	100	MS
Magnesium				50000	50230.00	100	49870.00	100	MS
Manganese				1000	1013.00	101	1018.00	102	MS
Nickel				500	498.30	100	489.90	98	MS
Potassium				25000	25210.00	101	25350.00	101	MS
Selenium				500	497.60	100	492.40	98	MS
Silver				500	502.00	100	498.70	100	MS
Sodium				50000	51130.00	102	52150.00	104	MS
Thallium				500	502.70	101	503.30	101	MS
Vanadium				500	497.00	99	495.80	99	MS
Zinc				1000	1024.00	102			MS

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

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP9292

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000	9399.00	94	9497.00	95	MS
Antimony				500	510.50	102	512.70	103	MS
Barium				2500	2488.00	100	2481.00	99	MS
Beryllium				500	501.90	100	501.20	100	MS
Cadmium				500	504.20	101	505.10	101	MS
Calcium				50000	50470.00	101	51210.00	102	MS
Chromium				500	494.60	99	500.80	100	MS
Cobalt				500	488.10	98	490.60	98	MS
Copper				1000	983.80	98	984.50	98	MS
Iron				25000	24840.00	99	24980.00	100	MS
Lead				500	500.70	100	499.60	100	MS
Magnesium				50000	50500.00	101	51070.00	102	MS
Manganese				1000	1007.00	101	1017.00	102	MS
Nickel				500	487.80	98	484.80	97	MS
Potassium				25000	25260.00	101	25660.00	103	MS
Selenium				500	488.90	98	493.50	99	MS
Silver				500	499.90	100	503.60	101	MS
Sodium				50000	53190.00	106	53760.00	108	MS
Thallium				500	504.20	101	501.40	100	MS
Vanadium				500	492.20	98	499.40	100	MS
Zinc				1000	1019.00	102	1032.00	103	MS

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

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP9292

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000	9688.00	97	9466.00	95	MS
Antimony				500	515.70	103	512.70	103	MS
Barium				2500	2496.00	100	2467.00	99	MS
Beryllium				500	502.10	100	497.40	99	MS
Cadmium				500	510.60	102	505.80	101	MS
Calcium				50000	50750.00	102	50370.00	101	MS
Chromium				500	495.50	99	491.10	98	MS
Cobalt				500	488.60	98	480.60	96	MS
Copper				1000	979.50	98	965.60	97	MS
Iron				25000	25120.00	100	24780.00	99	MS
Lead				500	501.20	100	494.10	99	MS
Magnesium				50000	51580.00	103	50910.00	102	MS
Manganese				1000	1022.00	102	1009.00	101	MS
Nickel				500	484.50	97	477.90	96	MS
Potassium				25000	25620.00	102	25310.00	101	MS
Selenium				500	491.50	98	487.70	98	MS
Silver				500	503.30	101	498.80	100	MS
Sodium				50000	53840.00	108	53840.00	108	MS
Thallium				500	504.10	101	498.10	100	MS
Vanadium				500	492.40	98	486.90	97	MS
Zinc				1000	1037.00	104	1027.00	103	MS

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

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP9292

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Aluminum				10000	9499.00	95			MS
Antimony				500	519.40	104			MS
Barium				2500	2503.00	100			MS
Beryllium				500	499.90	100			MS
Cadmium				500	515.20	103			MS
Calcium				50000	51220.00	102			MS
Chromium				500	498.60	100			MS
Cobalt				500	487.90	98			MS
Copper				1000	985.50	99			MS
Iron				25000	25210.00	101			MS
Lead				500	505.10	101			MS
Magnesium				50000	51440.00	103			MS
Manganese				1000	1032.00	103			MS
Nickel				500	484.20	97			MS
Potassium				25000	25890.00	104			MS
Selenium				500	490.50	98			MS
Silver				500	504.80	101			MS
Sodium				50000	54670.00	109			MS
Thallium				500	508.60	102			MS
Vanadium				500	497.20	99			MS
Zinc				1000	1045.00	104			MS

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

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP9292

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	200	194.90	97	500	503.90	101	491.90	98	MS
Zinc	205	199.10	97	1000	1008.00	101	989.40	99	MS

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

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP9292

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				500	489.40	98	484.90	97	MS
Zinc				1000	1011.00	101	1020.00	102	MS

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

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP9292

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				500	482.50	96	489.10	98	MS
Zinc				1000	1010.00	101	1013.00	101	MS

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

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP9292

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				500	497.00	99	491.90	98	MS
Zinc				1000	1021.00	102	1021.00	102	MS

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

Metals

2A-IN

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Initial Calibration Verification Source: EPA-0307

Continuing Calibration Verification Source: MP9292

Concentration Units: ug/L

	Initial Calibration Verification			Continuing Calibration Verification					M
Analyte	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				500	490.00	98	490.90	98	MS
Zinc				1000	1010.00	101	1007.00	101	MS

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

Metals

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

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

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

	Initial Calibration Blank(ug/L)		Continuing Calibration Blank (ug/L)						Preparation Blank		
Analyte		C	1	C	2	C	3	C		C	M
Aluminum	4.981	J	7.224	J	4.522	J	2.878	J	2.275	J	MS
Antimony	0.834	J	0.695	J	0.604	J	0.620	J	2.000	U	MS
Barium	10.000	U	0.361	J	0.294	J	10.000	U	10.000	U	MS
Beryllium	0.140	J	0.138	J	0.183	J	0.122	J	1.000	U	MS
Cadmium	1.000	U	1.000	U	1.000	U	-0.125	J	1.000	U	MS
Calcium	500.000	U	500.000	U	-6.648	J	11.630	J	-13.720	J	MS
Chromium	0.193	J	2.000	U	2.000	U	0.136	J	2.000	U	MS
Cobalt	0.131	J	0.074	J	0.058	J	1.000	U	1.000	U	MS
Copper	0.150	J	0.210	J	0.120	J	0.115	J	2.000	U	MS
Iron	9.318	J	200.000	U	200.000	U	-8.826	J	-9.873	J	MS
Lead	0.211	J	0.078	J	0.056	J	0.051	J	1.000	U	MS
Magnesium	6.082	J	11.870	J	6.692	J	500.000	U	500.000	U	MS
Manganese	0.199	J	1.000	U	1.000	U	0.151	J	1.000	U	MS
Nickel	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	MS
Potassium	22.870	J	21.870	J	14.480	J	28.140	J	12.520	J	MS
Selenium	5.000	U	5.000	U	5.000	U	5.000	U	5.000	U	MS
Silver	0.131	J	0.110	J	1.000	U	0.077	J	1.000	U	MS
Sodium	55.050	J	110.200	J	88.240	J	45.920	J	95.150	J	MS
Thallium	0.224	J	0.099	J	0.079	J	0.120	J	1.000	U	MS
Vanadium	0.266	J	5.000	U	5.000	U	-0.150	J	0.168	J	MS
Zinc	2.000	U	2.000	U	2.000	U	2.000	U	-0.323	J	MS

Metals

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH3BA0

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

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

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			4.429	J	6.664	J	8.179	J			MS
Antimony			0.620	J	0.597	J	0.659	J			MS
Barium			0.327	J	10.000	U	0.302	J			MS
Beryllium			0.131	J	0.254	J	0.063	J			MS
Cadmium			1.000	U	-0.182	J	-0.132	J			MS
Calcium			9.670	J	500.000	U	-7.401	J			MS
Chromium			0.308	J	0.084	J	2.000	U			MS
Cobalt			0.079	J	1.000	U	0.059	J			MS
Copper			0.145	J	2.000	U	0.254	J			MS
Iron			-18.820	J	-24.550	J	-19.920	J			MS
Lead			0.081	J	1.000	U	0.060	J			MS
Magnesium			7.923	J	500.000	U	8.541	J			MS
Manganese			0.238	J	1.000	U	0.340	J			MS
Nickel			1.000	U	1.000	U	1.000	U			MS
Potassium			52.750	J	33.950	J	10.960	J			MS
Selenium			5.000	U	5.000	U	5.000	U			MS
Silver			0.142	J	1.000	U	0.077	J			MS
Sodium			131.000	J	239.700	J	264.700	J			MS
Thallium			0.188	J	0.080	J	0.092	J			MS
Vanadium			-0.467	J	-0.224	J	0.111	J			MS
Zinc					2.000	U	2.000	U			MS

Metals

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH3BA0

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

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

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum			10.940	J	8.673	J	14.270	J			MS
Antimony			0.788	J	0.626	J	0.774	J			MS
Barium			0.803	J	10.000	U	0.694	J			MS
Beryllium			0.186	J	0.149	J	0.416	J			MS
Cadmium			1.000	U	-0.155	J	1.000	U			MS
Calcium			500.000	U	-12.680	J	500.000	U			MS
Chromium			0.166	J	2.000	U	0.153	J			MS
Cobalt			0.183	J	0.056	J	0.158	J			MS
Copper			0.404	J	0.191	J	0.428	J			MS
Iron			-10.910	J	-20.520	J	-13.760	J			MS
Lead			0.170	J	1.000	U	0.163	J			MS
Magnesium			22.280	J	7.472	J	20.100	J			MS
Manganese			0.458	J	0.191	J	0.478	J			MS
Nickel			1.000	U	1.000	U	1.000	U			MS
Potassium			37.510	J	39.480	J	54.290	J			MS
Selenium			5.000	U	5.000	U	5.000	U			MS
Silver			0.198	J	0.081	J	0.183	J			MS
Sodium			340.100	J	373.500	J	431.600	J			MS
Thallium			0.217	J	0.080	J	0.215	J			MS
Vanadium			5.000	U	0.167	J	0.442	J			MS
Zinc			2.000	U	2.000	U	2.000	U			MS

Metals

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH3BA0

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)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic	0.143	J	1.000	U	1.000	U	1.000	U	0.250	U	MS
Zinc	0.428	J	2.000	U	0.255	J	0.454	J	0.500	U	MS

Metals

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH3BA0

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

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

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			1.000	U	1.000	U	1.000	U			MS
Zinc			2.000	U	2.000	U	0.245	J			MS

Metals

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH3BA0

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

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

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			1.000	U	1.000	U	1.000	U			MS
Zinc			2.000	U	2.000	U	2.000	U			MS

Metals

3-IN
BLANKS

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH3BA0

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

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

Analyte	Initial Calibration Blank(ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Arsenic			1.000	U							MS
Zinc			0.420	J							MS

Metals

4B-IN

ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

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
Antimony	1.5	22	1.4	93	20.9	95
Arsenic	.1	19	0.33	330	19.4	102
Barium	1.2	22	1.3	108	21.0	95
Beryllium	0	19	0.34	0	20.1	106
Cadmium	.7	20	0.16	23	20.0	100
Chromium	21	40	20.2	96	40.1	100
Cobalt	1	20	1.2	120	20.7	104
Copper	8	25	8.0	100	27.6	110
Lead	4	25	4.4	110	24.1	96
Manganese	7	27	8.0	114	27.4	101
Nickel	6	24	5.9	98	26.5	110
Selenium	.3	19	-0.20	-67	19.1	101
Silver	0	18	0.082	0	18.9	105
Thallium	0	21	0.16	0	20.3	97
Vanadium	.5	19	0.067	13	18.4	97
Zinc	11	29	12.6	115	32.1	111

Metals

4B-IN

ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

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	100000	98100	98	96100	96
Calcium	100000	100000	101000	101	98900	99
Iron	100000	100000	98500	98	97300	97
Magnesium	100000	100000	102000	102	101000	101
Potassium	100000	100000	101000	101	99700	100
Sodium	100000	100000	105000	105	103000	103

Metals

4B-IN

ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

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
Antimony	1.5	22	1.6	107	21.7	99
Arsenic	.1	19	0.22	220	19.9	105
Barium	1.2	22	1.5	125	22.1	100
Beryllium	0	19	0.39	0	20.4	107
Cadmium	.7	20	0.16	23	20.9	104
Chromium	21	40	20.6	98	40.7	102
Cobalt	1	20	1.2	120	20.7	104
Copper	8	25	8.3	104	27.9	112
Lead	4	25	4.5	112	24.8	99
Manganese	7	27	7.9	113	28.2	104
Nickel	6	24	5.9	98	25.9	108
Selenium	.3	19	-0.072	-24	20.1	106
Silver	0	18	0.11	0	20.5	114
Thallium	0	21	0.12	0	20.6	98
Vanadium	.5	19	-0.074	-15	19.0	100
Zinc	11	29	12.6	115	32.1	111

Metals

4B-IN

ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

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	100000	105000	105	106000	106
Calcium	100000	100000	100000	100	99300	99
Iron	100000	100000	102000	102	102000	102
Magnesium	100000	100000	109000	109	110000	110
Potassium	100000	100000	104000	104	104000	104
Sodium	100000	100000	107000	107	108000	108

Metals

5A-IN

MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MH3B90S

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

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	85.2400		2.2710		100	83		MS
Arsenic	75 - 125	166.7000		133.4000		40	83		MS
Barium	75 - 125	2691.0000		945.1000		2000	87		MS
Beryllium	75 - 125	44.2900		0.9200	J	50	87		MS
Cadmium	75 - 125	48.2700		0.7890	J	50	95		MS
Chromium	75 - 125	300.4000		131.8000		200	84		MS
Cobalt	75 - 125	424.8000		8.3180		500	83		MS
Copper	75 - 125	305.5000		96.2300		250	84		MS
Lead	75 - 125	48.9900		30.5500		20	92		MS
Manganese		3487.5000		3090.0000		500	80		MS
Nickel	75 - 125	449.3000		40.4100		500	82		MS
Selenium	75 - 125	84.0300		5.0000	U	100	84		MS
Silver	75 - 125	42.7900		0.2550	J	50	85		MS
Thallium	75 - 125	45.0100		0.1280	J	50	90		MS
Vanadium	75 - 125	512.1000		92.7800		500	84		MS
Zinc	75 - 125	502.0000		52.2300		500	90		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:

_____

_____

_____

Metals

6-IN

DUPLICATES

EPA SAMPLE NO.

MH3B90D

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH3BA0

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
Aluminum		7780.0000		7808.0000		0		MS
Antimony	2.0000	2.2710		2.1080		7		MS
Arsenic		133.4000		133.3000		0		MS
Barium		945.1000		957.0000		1		MS
Beryllium		0.9200	J	0.9530	J	4		MS
Cadmium		0.7890	J	0.7210	J	9		MS
Calcium		50580.0000		51200.0000		1		MS
Chromium		131.8000		132.1000		0		MS
Cobalt		8.3180		8.6310		4		MS
Copper		96.2300		98.4500		2		MS
Iron		27280.0000		27530.0000		1		MS
Lead		30.5500		30.9300		1		MS
Magnesium		24490.0000		24730.0000		1		MS
Manganese		3090.0000		3110.0000		1		MS
Nickel		40.4100		41.2300		2		MS
Potassium		8838.0000		8940.0000		1		MS
Selenium		5.0000	U	5.0000	U			MS
Silver		0.2550	J	0.3030	J	17		MS
Sodium		694000.0000		712250.0000		3		MS
Thallium		0.1280	J	0.1250	J	2		MS
Vanadium		92.7800		94.9600		2		MS
Zinc		52.2300		55.0400		5		MS

7 - IN

LABORATORY CONTROL SAMPLE

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Analyte	Aqueous/Water (ug/L), Soil Sediment (mg/Kg), Wipe/Filter (ug)		
	True	Found	%R
Aluminum	40	46.39	116
Antimony	4	3.88	97
Arsenic	2	0.48	96
Barium	20	19.25	96
Beryllium	2	2.17	108
Cadmium	2	2.10	105
Calcium	1000	988.90	99
Chromium	4	3.99	100
Cobalt	2	1.99	100
Copper	4	4.11	103
Iron	400	392.60	98
Lead	2	1.97	98
Magnesium	1000	1055.00	106
Manganese	2	2.02	101
Nickel	2	1.85	92
Potassium	1000	1042.00	104
Selenium	10	9.71	97
Silver	2	1.98	99
Sodium	1000	1146.00	115
Thallium	2	1.96	98
Vanadium	10	9.71	97
Zinc	4	4.22	106
Zinc	4	1.10	110

8-IN

ICP-AES and ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

MH3B90L

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

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
Aluminum	7780.00		8045.00		3		MS
Antimony	2.27		2.06	J	9		MS
Arsenic	133.40		130.75		2		MS
Barium	945.10		954.00		1		MS
Beryllium	0.92	J	1.62	J	76		MS
Cadmium	0.79	J	5.00	U	100		MS
Calcium	50580.00		52350.00		3		MS
Chromium	131.80		143.55		9		MS
Cobalt	8.32		9.60		15	E	MS
Copper	96.23		99.40		3		MS
Iron	27280.00		28080.00		3		MS
Lead	30.55		30.33		1		MS
Magnesium	24490.00		25790.00		5		MS
Manganese	3090.00		3041.25		2		MS
Nickel	40.41		44.40		10		MS
Potassium	8838.00		9580.00		8		MS
Selenium	5.00	U	25.00	U			MS
Silver	0.26	J	0.44	J	69		MS
Sodium	694000.00		734000.00		6		MS
Thallium	0.13	J	5.00	U	100		MS
Vanadium	92.78		93.35		1		MS
Zinc	52.23		54.65		5		MS

Metals

9-IN

METHOD DETECTION LIMITS (MDL) (ANNUALLY)

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH3BA0

Instrument Type: MS Instrument ID: P6 Date: 01/11/2011

Preparation Method: 200.8

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

Analyte	Wavelength/Mass	MDL
Aluminum	27.00	1.2
Antimony	121.00	0.17
Arsenic	75.00	0.14
Barium	137.00	0.29
Beryllium	9.00	0.061
Cadmium	111.00	0.11
Calcium	44.00	6.3
Chromium	52.00	0.078
Cobalt	59.00	0.054
Copper	63.00	0.097
Iron	57.00	6.6
Lead	208.00	0.051
Magnesium	24.00	5.5
Manganese	55.00	0.15
Nickel	60.00	0.15
Potassium	39.00	8.0
Selenium	82.00	0.63
Silver	107.00	0.070
Sodium	23.00	5.7
Thallium	205.00	0.074
Vanadium	51.00	0.11
Zinc	66.00	0.24

Comments: _____

Metals

11-IN

INTERNAL STANDARD ASSOCIATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH3BA0

ICP-MS Instrument ID: P6 Date: 11/18/11

Analyte	Assoc. Internal Standard 1	Assoc. Internal Standard 2
Aluminum	6Li	45Sc
Antimony	103Rh	159Tb
Barium	103Rh	159Tb
Beryllium	6Li	45Sc
Cadmium	103Rh	159Tb
Calcium	6Li	45Sc
Chromium	45Sc	103Rh
Cobalt	45Sc	103Rh
Copper	45Sc	103Rh
Iron	45Sc	103Rh
Lead	165Ho	209Bi
Magnesium	6Li	45Sc
Manganese	45Sc	103Rh
Nickel	45Sc	103Rh
Potassium	6Li	45Sc
Selenium	45Sc	103Rh
Silver	103Rh	159Tb
Sodium	6Li	45Sc
Thallium	165Ho	209Bi
Vanadium	45Sc	103Rh
Zinc	45Sc	103Rh

Metals

11-IN
INTERNAL STANDARD ASSOCIATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH3BA0

ICP-MS Instrument ID: P6 Date: 11/19/11

Analyte	Assoc. Internal Standard 1	Assoc. Internal Standard 2
Arsenic	45Sc	103Rh
Zinc	45Sc	103Rh

Metals

12-IN

PREPARATION LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Preparation Method: 200.8

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
PBW01	11/14/2011	50.00	50
LCS01	11/14/2011	50.00	50
MH3BA0	11/14/2011	50.00	50
MH3B94	11/14/2011	50.00	50
MH3B95	11/14/2011	50.00	50
MH3B96	11/14/2011	50.00	50
MH3B97	11/14/2011	50.00	50
MH3B99	11/14/2011	50.00	50
MH3B88	11/14/2011	50.00	50
MH3B85	11/14/2011	50.00	50
MH3B86	11/14/2011	50.00	50
MH3B87	11/14/2011	50.00	50
MH3B93	11/14/2011	50.00	50
MH3B89	11/14/2011	50.00	50
MH3B98	11/14/2011	50.00	50
MH3B90	11/14/2011	50.00	50
MH3B90D	11/14/2011	50.00	50
MH3B90S	11/14/2011	50.00	50
MH3B91	11/14/2011	50.00	50
MH3B92	11/14/2011	50.00	50

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Instrument ID: P6 Analysis Method: MS

Start Date: 11/17/2011 End Date: 11/18/2011

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	1612					X				X			X	X													
S0	1.0	1658	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1.0	1706	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1.0	1714	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1.0	1721	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1.0	1729	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
S	1.0	1737	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICV13	1.0	1813	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICB13	1.0	1821	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ICSA13	1.0	1829		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSAB13	1.0	1836		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSA13	10	1844	X						X				X		X				X			X						
ICSAB13	10	1852	X						X				X		X				X			X						
CCV49	1.0	1900	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB49	1.0	1908	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.0	1916																										
ZZZZZZ	1.0	1924																										
PBW01	1.0	1932	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.0	1946																										
ZZZZZZ	1.0	2015																										
ZZZZZZ	1.0	2022																										
LCS01	1.0	2030	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.0	2038																										
ZZZZZZ	1.0	2046																										
ZZZZZZ	5.0	2052																										
CCV50	1.0	2058	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB50	1.0	2106	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.0	2114																										
ZZZZZZ	1.0	2122																										
ZZZZZZ	10	2130																										
ZZZZZZ	1.0	2138																										
ZZZZZZ	1.0	2146																										
ZZZZZZ	1.0	2154																										
ZZZZZZ	1.0	2202																										
ZZZZZZ	1.0	2210																										
ZZZZZZ	1.0	2218																										
ZZZZZZ	10	2225																										

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Instrument ID: P6 Analysis Method: MS

Start Date: 11/17/2011 End Date: 11/18/2011

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		
CCV51	1.0	2233	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB51	1.0	2241	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	1.0	2249																										
ZZZZZZ	1.0	2257																										
ZZZZZZ	1.0	2305																										
ZZZZZZ	5.0	2313																										
ZZZZZZ	1.0	2321																										
ZZZZZZ	10	2329																										
ZZZZZZ	1.0	2337																										
ZZZZZZ	1.0	2345																										
ZZZZZZ	1.0	2352																										
ZZZZZZ	1.0	0000																										
CCV52	1.0	0008	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X				
CCB52	1.0	0016	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X				
ZZZZZZ	1.0	0024																										
ZZZZZZ	1.0	0032																										
ZZZZZZ	1.0	0040																										
ZZZZZZ	1.0	0048																										
ZZZZZZ	25	0056																										
ZZZZZZ	50	0104																										
MH3BA0	1.0	0112	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X				
MH3B94	1.0	0119	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X				
ZZZZZZ	25	0127																										
ZZZZZZ	1.0	0135																										
CCV53	1.0	0143	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB53	1.0	0151	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3B95	1.0	0159	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3B96	1.0	0207	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3B97	1.0	0215	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
MH3B99	1.0	0223	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
ZZZZZZ	25	0231																										
ZZZZZZ	25	0239																										
ZZZZZZ	25	0247																										
ZZZZZZ	25	0255																										
MH3B88	1.0	0303	X	X		X	X	X		X	X	X		X				X	X	X	X		X	X	X			
MH3B88	25	0311							X				X		X	X						X						
CCV54	1.0	0318	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			
CCB54	1.0	0326	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X			

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Instrument ID: P6 Analysis Method: MS

Start Date: 11/17/2011 End Date: 11/18/2011

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			
MH3B85	1.0	0334	X	X		X	X	X	X	X	X	X	X	X		X		X		X	X		X	X	X				
MH3B86	1.0	0342	X	X		X	X	X		X	X	X	X	X				X	X	X	X		X	X	X				
MH3B87	1.0	0350	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X				
MH3B93	1.0	0358	X	X		X	X	X	X	X	X	X	X	X	X			X	X	X	X		X	X	X				
MH3B89	1.0	0406	X	X		X	X	X	X	X	X	X	X	X	X			X	X	X	X		X	X	X				
MH3B85	25	0414													X				X			X							
MH3B86	25	0422							X						X	X						X							
MH3B87	25	0430																				X							
MH3B93	25	0438														X						X							
MH3B89	25	0446														X						X							
CCV55	1.0	0454	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB55	1.0	0502	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
MH3B98	1.0	0509	X	X		X	X	X	X	X	X	X	X	X	X			X	X	X	X		X	X	X				
MH3B90	1.0	0517	X	X		X	X	X	X	X	X	X	X	X	X			X	X	X	X		X	X	X				
MH3B90D	1.0	0525	X	X		X	X	X	X	X	X	X	X	X	X			X	X	X	X		X	X	X				
MH3B90S	1.0	0533		X		X	X	X		X	X	X		X				X		X	X		X	X	X				
MH3B90L	5.0	0541	X	X		X	X	X	X	X	X	X	X	X	X			X	X	X	X		X	X	X				
MH3B98	25	0549														X						X							
MH3B90	25	0557														X						X							
MH3B90D	25	0605														X						X							
MH3B90S	25	0613														X													
MH3B90L	125	0621														X						X							
CCV56	1.0	0629	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB56	1.0	0637	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
MH3B91	1.0	0645	X	X		X	X	X	X	X	X	X	X	X	X			X	X	X	X		X	X	X				
MH3B92	1.0	0653	X	X		X	X	X	X	X	X	X	X	X	X			X	X	X	X		X	X	X				
MH3B91	25	0701														X						X							
MH3B92	25	0709														X						X							
ZZZZZZ	25	0716																											
CCV57	1.0	0724	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				
CCB57	1.0	0732	X	X		X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X				

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Instrument ID: P6 Analysis Method: MS

Start Date: 11/18/2011 End Date: 11/19/2011

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	2228					X				X			X	X													
S0	1.0	2245			X																				X			
S	1.0	2253			X																				X			
S	1.0	2300			X																				X			
S	1.0	2308			X																				X			
S	1.0	2316			X																				X			
S	1.0	2324			X																				X			
ICV14	1.0	2332			X																				X			
ICB14	1.0	2340			X																				X			
ICSA14	1.0	2348		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSAB14	1.0	2356		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X			
ICSA14	10	0004	X						X				X		X				X			X						
ICSAB14	10	0011	X						X				X		X				X			X						
CCV58	1.0	0019			X																				X			
CCB58	1.0	0027			X																				X			
ZZZZZZ	1.0	0035																										
ZZZZZZ	1.0	0043																										
PBW01	1.0	0051			X																				X			
ZZZZZZ	1.0	0059																										
ZZZZZZ	1.0	0107																										
LCS01	1.0	0115			X																				X			
ZZZZZZ	1.0	0123																										
ZZZZZZ	1.0	0130																										
ZZZZZZ	1.0	0138																										
ZZZZZZ	5.0	0146																										
CCV59	1.0	0154			X																				X			
CCB59	1.0	0202			X																				X			
ZZZZZZ	1.0	0210																										
ZZZZZZ	1.0	0218																										
ZZZZZZ	10	0226																										
ZZZZZZ	1.0	0234																										
ZZZZZZ	1.0	0242																										
ZZZZZZ	1.0	0250																										
ZZZZZZ	1.0	0257																										
ZZZZZZ	1.0	0305																										
ZZZZZZ	10	0313																										
ZZZZZZ	20	0321																										

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Instrument ID: P6 Analysis Method: MS

Start Date: 11/18/2011 End Date: 11/19/2011

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		
CCV60	1.0	0329			X																				X			
CCB60	1.0	0337			X																				X			
ZZZZZZ	1.0	0345																										
ZZZZZZ	1.0	0353																										
ZZZZZZ	1.0	0401																										
ZZZZZZ	5.0	0409																										
ZZZZZZ	1.0	0417																										
ZZZZZZ	10	0424																										
ZZZZZZ	1.0	0432																										
ZZZZZZ	1.0	0440																										
ZZZZZZ	1.0	0448																										
ZZZZZZ	1.0	0456																										
CCV61	1.0	0504			X																				X			
CCB61	1.0	0512			X																				X			
ZZZZZZ	1.0	0520																										
ZZZZZZ	1.0	0528																										
ZZZZZZ	1.0	0536																										
ZZZZZZ	1.0	0544																										
ZZZZZZ	1.0	0552																										
ZZZZZZ	25	0559																										
ZZZZZZ	50	0607																										
MH3BA0	1.0	0615			X																				X			
MH3B94	1.0	0623			X																				X			
ZZZZZZ	25	0631																										
CCV62	1.0	0639			X																				X			
CCB62	1.0	0647			X																				X			
MH3B95	1.0	0655			X																							
MH3B96	1.0	0703			X																							
MH3B97	1.0	0711			X																							
MH3B99	1.0	0719			X																							
MH3B88	1.0	0727			X																							
MH3B91	1.0	0735			X																							
MH3B92	1.0	0742			X																							
ZZZZZZ	25	0750																										
ZZZZZZ	25	0758																										
ZZZZZZ	25	0806																										
CCV63	1.0	0814			X																				X			
CCB63	1.0	0822			X																				X			

Metals

13-IN

ANALYSIS RUN LOG

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Instrument ID: P6 Analysis Method: MS

Start Date: 11/18/2011 End Date: 11/19/2011

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			
MH3B85	1.0	0830			X																								
MH3B86	1.0	0838			X																								
MH3B87	1.0	0846			X																								
MH3B93	1.0	0854			X																								
MH3B89	1.0	0902			X																								
ZZZZZZ	25	0910																											
ZZZZZZ	25	0918																											
ZZZZZZ	25	0926																											
ZZZZZZ	25	0934																											
ZZZZZZ	25	0942																											
CCV64	1.0	0949			X																				X				
CCB64	1.0	0957			X																				X				
MH3B98	1.0	1005			X																								
MH3B90	1.0	1013			X																								
MH3B90D	1.0	1021			X																								
MH3B90S	1.0	1029			X																								
MH3B90L	5.0	1037			X																								
ZZZZZZ	25	1045																											
ZZZZZZ	25	1053																											
ZZZZZZ	25	1101																											
ZZZZZZ	25	1109																											
ZZZZZZ	125	1117																											
CCV65	1.0	1125			X																				X				
CCB65	1.0	1133			X																				X				
CCV66	1.0	1404			X																				X				
CCB66	1.0	1412			X																				X				
ZZZZZZ	1.0	1420																											
ZZZZZZ	1.0	1436																											
ZZZZZZ	1.0	1444																											
CCV67	1.0	1452			X																				X				
CCB67	1.0	1500			X																				X				

Metals

14 - IN

ICP-MS Tune

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH3BA0

ICP-MS Instrument ID: P6 Date: 11/17/2011

Element - Mass	Avg. Measured Mass (amu)	Average Peak Width (amu)	%Height	%RSD
Be_9	9.01	0.76	5.0	1.169
Mg_24	23.99	0.82	5.0	0.601
Mg_25	24.99	0.76	5.0	1.094
Mg_26	25.98	0.76	5.0	0.975
Co_59	58.93	0.76	5.0	0.669
In_113	112.90	0.71	5.0	0.601
In_115	114.90	0.71	5.0	0.186
Ce_140	139.91	0.76	5.0	0.348
Pb_206	205.97	0.76	5.0	0.177
Pb_207	206.98	0.76	5.0	0.391
Pb_208	207.98	0.76	5.0	0.422

Comments: _____

Metals

14 - IN

ICP-MS Tune

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: _____ SDG No.: MH3BA0

ICP-MS Instrument ID: P6 Date: 11/18/2011

Element - Mass	Avg. Measured Mass (amu)	Average Peak Width (amu)	%Height	%RSD
Be_9	9.01	0.77	5.0	0.893
Mg_24	23.99	0.77	5.0	0.475
Mg_25	24.99	0.77	5.0	0.598
Mg_26	25.98	0.77	5.0	0.331
Co_59	58.93	0.82	5.0	0.260
In_113	112.90	0.76	5.0	0.395
In_115	114.90	0.76	5.0	0.412
Ce_140	139.91	0.81	5.0	0.369
Pb_206	205.97	0.76	5.0	0.400
Pb_207	206.98	0.81	5.0	0.212
Pb_208	207.98	0.81	5.0	0.152

Comments: _____

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG NO.: MH3BA0

ICP-MS Instrument ID: P6 Start Date: 11/17/2011 End Date: 11/18/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
S0	1658	100		100		100		100		100	
S	1706	99		100		99		98		99	
S	1714	98		100		97		97		97	
S	1721	96		97		94		96		94	
S	1729	93		95		93		94		91	
S	1737	91		95		92		92		89	
ICV13	1813	97		98		96		94		96	
ICB13	1821	98		98		96		96		96	
ICSA13	1829	93		97		91		92		90	
ICSAB13	1836	95		98		93		94		91	
ICSA13	1844	100		101		97		96		97	
ICSAB13	1852	101		102		98		97		98	
CCV49	1900	98		101		96		96		96	
CCB49	1908	103		102		99		96		100	
ZZZZZZ	1916										
ZZZZZZ	1924										
PBW01	1932	104		105		101		98		103	
ZZZZZZ	1946										
ZZZZZZ	2015										
ZZZZZZ	2022										
LCS01	2030	107		107		103		100		106	
ZZZZZZ	2038										
ZZZZZZ	2046										
ZZZZZZ	2052										
CCV50	2058	101		104		99		96		99	
CCB50	2106	107		107		103		99		105	
ZZZZZZ	2114										
ZZZZZZ	2122										
ZZZZZZ	2130										
ZZZZZZ	2138										
ZZZZZZ	2146										
ZZZZZZ	2154										
ZZZZZZ	2202										
ZZZZZZ	2210										
ZZZZZZ	2218										
ZZZZZZ	2225										
CCV51	2233	100		103		96		95		98	
CCB51	2241	105		105		99		98		103	
ZZZZZZ	2249										
ZZZZZZ	2257										
ZZZZZZ	2305										
ZZZZZZ	2313										
ZZZZZZ	2321										
ZZZZZZ	2329										
ZZZZZZ	2337										

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG NO.: MH3BA0

ICP-MS Instrument ID: P6 Start Date: 11/17/2011 End Date: 11/18/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
ZZZZZZ	2345										
ZZZZZZ	2352										
ZZZZZZ	0000										
CCV52	0008	96		97		88		88		91	
CCB52	0016	100		99		91		91		96	
ZZZZZZ	0024										
ZZZZZZ	0032										
ZZZZZZ	0040										
ZZZZZZ	0048										
ZZZZZZ	0056										
ZZZZZZ	0104										
MH3BA0	0112	99		98		88		86		94	
MH3B94	0119	99		100		91		88		94	
ZZZZZZ	0127										
ZZZZZZ	0135										
CCV53	0143	98		100		89		86		93	
CCB53	0151	103		102		93		89		98	
MH3B95	0159	102		103		94		89		97	
MH3B96	0207	101		101		92		88		95	
MH3B97	0215	102		103		93		89		97	
MH3B99	0223	103		104		94		90		97	
ZZZZZZ	0231										
ZZZZZZ	0239										
ZZZZZZ	0247										
ZZZZZZ	0255										
MH3B88	0303	97		102		97		87		90	
MH3B88	0311	107		110		100		92		105	
CCV54	0318	103		106		94		89		99	
CCB54	0326	109		109		99		94		105	
MH3B85	0334	104		114		107		101		104	
MH3B86	0342	100		107		99		95		97	
MH3B87	0350	97		105		97		92		92	
MH3B93	0358	98		103		92		89		93	
MH3B89	0406	97		102		93		87		91	
MH3B85	0414	111		115		107		102		111	
MH3B86	0422	107		109		100		95		104	
MH3B87	0430	103		105		95		91		100	
MH3B93	0438	104		104		93		89		99	
MH3B89	0446	104		105		94		89		99	
CCV55	0454	101		103		91		86		96	
CCB55	0502	104		104		94		89		100	
MH3B98	0509	96		101		90		83		89	
MH3B90	0517	96		100		90		83		89	
MH3B90D	0525	96		101		90		83		90	
MH3B90S	0533	95		100		90		85		89	

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG NO.: MH3BA0

ICP-MS Instrument ID: P6 Start Date: 11/17/2011 End Date: 11/18/2011

EPA Sample No.	Time	Internal Standards %RI For: Element 209Bi	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
MH3B90L	0541	100		102		90		85		94	
MH3B98	0549	103		103		91		86		97	
MH3B90	0557	102		103		91		87		97	
MH3B90D	0605	102		103		91		84		97	
MH3B90S	0613	102		103		91		86		98	
MH3B90L	0621	104		105		93		88		99	
CCV56	0629	101		103		90		84		95	
CCB56	0637	104		105		92		87		100	
MH3B91	0645	96		100		92		84		90	
MH3B92	0653	95		98		85		80		87	
MH3B91	0701	103		104		90		84		97	
MH3B92	0709	104		105		91		86		99	
ZZZZZZ	0716										
CCV57	0724	100		104		89		84		95	
CCB57	0732	106		105		92		87		100	

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG NO.: MH3BA0

ICP-MS Instrument ID: P6 Start Date: 11/18/2011 End Date: 11/19/2011

EPA Sample No.	Time	Internal Standards %RI For: Element 209Bi	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
S0	2245	100		100		100		100		100	
S	2253	100		99		100		101		100	
S	2300	101		100		100		102		99	
S	2308	99		99		97		99		96	
S	2316	98		99		98		98		96	
S	2324	95		98		100		100		96	
ICV14	2332	99		100		102		103		101	
ICB14	2340	101		101		104		107		104	
ICSA14	2348	96		99		99		98		95	
ICSAB14	2356	96		100		102		100		96	
ICSA14	0004	100		103		107		106		103	
ICSAB14	0011	99		102		108		106		104	
CCV58	0019	98		101		104		105		100	
CCB58	0027	100		100		103		105		102	
ZZZZZZ	0035										
ZZZZZZ	0043										
PBW01	0051	101		101		103		105		102	
ZZZZZZ	0059										
ZZZZZZ	0107										
LCS01	0115	101		102		103		107		102	
ZZZZZZ	0123										
ZZZZZZ	0130										
ZZZZZZ	0138										
ZZZZZZ	0146										
CCV59	0154	98		99		95		98		94	
CCB59	0202	100		99		96		99		96	
ZZZZZZ	0210										
ZZZZZZ	0218										
ZZZZZZ	0226										
ZZZZZZ	0234										
ZZZZZZ	0242										
ZZZZZZ	0250										
ZZZZZZ	0257										
ZZZZZZ	0305										
ZZZZZZ	0313										
ZZZZZZ	0321										
CCV60	0329	95		93		82		85		83	
CCB60	0337	98		94		84		88		87	
ZZZZZZ	0345										
ZZZZZZ	0353										
ZZZZZZ	0401										
ZZZZZZ	0409										
ZZZZZZ	0417										
ZZZZZZ	0424										
ZZZZZZ	0432										

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG NO.: MH3BA0

ICP-MS Instrument ID: P6 Start Date: 11/18/2011 End Date: 11/19/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
ZZZZZZ	0440										
ZZZZZZ	0448										
ZZZZZZ	0456										
CCV61	0504	88		81		67		71		69	
CCB61	0512	91		83		69		72		72	
ZZZZZZ	0520										
ZZZZZZ	0528										
ZZZZZZ	0536										
ZZZZZZ	0544										
ZZZZZZ	0552										
ZZZZZZ	0559										
ZZZZZZ	0607										
MH3BA0	0615	93		83		65		67		70	
MH3B94	0623	94		87		70		71		73	
ZZZZZZ	0631										
CCV62	0639	93		86		69		71		72	
CCB62	0647	96		86		69		72		74	
MH3B95	0655	96		89		72		75		75	
MH3B96	0703	97		89		73		77		76	
MH3B97	0711	99		91		75		79		78	
MH3B99	0719	99		92		77		81		80	
MH3B88	0727	87		85		78		77		70	
MH3B91	0735	87		84		76		77		72	
MH3B92	0742	89		85		74		76		73	
ZZZZZZ	0750										
ZZZZZZ	0758										
ZZZZZZ	0806										
CCV63	0814	96		91		77		80		79	
CCB63	0822	99		91		76		80		81	
MH3B85	0830	83		84		74		80		71	
MH3B86	0838	82		81		72		76		70	
MH3B87	0846	77		77		71		74		67	
MH3B93	0854	82		78		67		71		68	
MH3B89	0902	82		79		67		71		66	
ZZZZZZ	0910										
ZZZZZZ	0918										
ZZZZZZ	0926										
ZZZZZZ	0934										
ZZZZZZ	0942										
CCV64	0949	90		85		72		76		75	
CCB64	0957	92		84		70		75		75	
MH3B98	1005	83		80		69		71		68	
MH3B90	1013	85		81		69		71		68	
MH3B90D	1021	84		80		68		69		67	
MH3B90S	1029	82		78		65		68		64	

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG NO.: MH3BA0

ICP-MS Instrument ID: P6 Start Date: 11/18/2011 End Date: 11/19/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 209Bi	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
MH3B90L	1037	86		79		62		65		66	
ZZZZZZ	1045										
ZZZZZZ	1053										
ZZZZZZ	1101										
ZZZZZZ	1109										
ZZZZZZ	1117										
CCV65	1125	88		81		65		67		68	
CCB65	1133	89		79		62		65		67	
CCV66	1404	86		79		64		63		68	
CCB66	1412	87		78		63		63		68	
ZZZZZZ	1420										
ZZZZZZ	1436										
ZZZZZZ	1444										
CCV67	1452	88		81		65		65		69	
CCB67	1500	88		79		63		64		69	

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG NO.: MH3BA0

ICP-MS Instrument ID: P6 Start Date: 11/17/2011 End Date: 11/18/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 165Ho	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
S0	1658	100									
S	1706	100									
S	1714	99									
S	1721	98									
S	1729	95									
S	1737	95									
ICV13	1813	98									
ICB13	1821	98									
ICSA13	1829	97									
ICSAB13	1836	99									
ICSA13	1844	101									
ICSAB13	1852	102									
CCV49	1900	101									
CCB49	1908	102									
ZZZZZZ	1916										
ZZZZZZ	1924										
PBW01	1932	104									
ZZZZZZ	1946										
ZZZZZZ	2015										
ZZZZZZ	2022										
LCS01	2030	107									
ZZZZZZ	2038										
ZZZZZZ	2046										
ZZZZZZ	2052										
CCV50	2058	104									
CCB50	2106	106									
ZZZZZZ	2114										
ZZZZZZ	2122										
ZZZZZZ	2130										
ZZZZZZ	2138										
ZZZZZZ	2146										
ZZZZZZ	2154										
ZZZZZZ	2202										
ZZZZZZ	2210										
ZZZZZZ	2218										
ZZZZZZ	2225										
CCV51	2233	103									
CCB51	2241	105									
ZZZZZZ	2249										
ZZZZZZ	2257										
ZZZZZZ	2305										
ZZZZZZ	2313										
ZZZZZZ	2321										
ZZZZZZ	2329										
ZZZZZZ	2337										

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG NO.: MH3BA0

ICP-MS Instrument ID: P6 Start Date: 11/17/2011 End Date: 11/18/2011

EPA Sample No.	Time	Internal Standards %RI For: Element 165Ho	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
ZZZZZZ	2345										
ZZZZZZ	2352										
ZZZZZZ	0000										
CCV52	0008	98									
CCB52	0016	99									
ZZZZZZ	0024										
ZZZZZZ	0032										
ZZZZZZ	0040										
ZZZZZZ	0048										
ZZZZZZ	0056										
ZZZZZZ	0104										
MH3BA0	0112	98									
MH3B94	0119	100									
ZZZZZZ	0127										
ZZZZZZ	0135										
CCV53	0143	99									
CCB53	0151	103									
MH3B95	0159	103									
MH3B96	0207	102									
MH3B97	0215	103									
MH3B99	0223	103									
ZZZZZZ	0231										
ZZZZZZ	0239										
ZZZZZZ	0247										
ZZZZZZ	0255										
MH3B88	0303	102									
MH3B88	0311	109									
CCV54	0318	106									
CCB54	0326	109									
MH3B85	0334	114									
MH3B86	0342	107									
MH3B87	0350	105									
MH3B93	0358	103									
MH3B89	0406	103									
MH3B85	0414	114									
MH3B86	0422	109									
MH3B87	0430	105									
MH3B93	0438	104									
MH3B89	0446	105									
CCV55	0454	103									
CCB55	0502	105									
MH3B98	0509	101									
MH3B90	0517	101									
MH3B90D	0525	101									
MH3B90S	0533	100									

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG NO.: MH3BA0

ICP-MS Instrument ID: P6 Start Date: 11/17/2011 End Date: 11/18/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 165Ho	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
MH3B90L	0541	102									
MH3B98	0549	103									
MH3B90	0557	103									
MH3B90D	0605	103									
MH3B90S	0613	103									
MH3B90L	0621	105									
CCV56	0629	103									
CCB56	0637	105									
MH3B91	0645	101									
MH3B92	0653	98									
MH3B91	0701	103									
MH3B92	0709	105									
ZZZZZZ	0716										
CCV57	0724	104									
CCB57	0732	105									

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG NO.: MH3BA0

ICP-MS Instrument ID: P6 Start Date: 11/18/2011 End Date: 11/19/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 165Ho	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
S0	2245	100									
S	2253	100									
S	2300	101									
S	2308	100									
S	2316	99									
S	2324	98									
ICV14	2332	100									
ICB14	2340	101									
ICSA14	2348	100									
ICSAB14	2356	101									
ICSA14	0004	103									
ICSAB14	0011	102									
CCV58	0019	101									
CCB58	0027	101									
ZZZZZZ	0035										
ZZZZZZ	0043										
PBW01	0051	101									
ZZZZZZ	0059										
ZZZZZZ	0107										
LCS01	0115	101									
ZZZZZZ	0123										
ZZZZZZ	0130										
ZZZZZZ	0138										
ZZZZZZ	0146										
CCV59	0154	99									
CCB59	0202	99									
ZZZZZZ	0210										
ZZZZZZ	0218										
ZZZZZZ	0226										
ZZZZZZ	0234										
ZZZZZZ	0242										
ZZZZZZ	0250										
ZZZZZZ	0257										
ZZZZZZ	0305										
ZZZZZZ	0313										
ZZZZZZ	0321										
CCV60	0329	94									
CCB60	0337	95									
ZZZZZZ	0345										
ZZZZZZ	0353										
ZZZZZZ	0401										
ZZZZZZ	0409										
ZZZZZZ	0417										
ZZZZZZ	0424										
ZZZZZZ	0432										

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG NO.: MH3BA0

ICP-MS Instrument ID: P6 Start Date: 11/18/2011 End Date: 11/19/2011

EPA Sample No.	Time	Internal Standards %RI For: Element 165Ho	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
ZZZZZZ	0440										
ZZZZZZ	0448										
ZZZZZZ	0456										
CCV61	0504	84									
CCB61	0512	85									
ZZZZZZ	0520										
ZZZZZZ	0528										
ZZZZZZ	0536										
ZZZZZZ	0544										
ZZZZZZ	0552										
ZZZZZZ	0559										
ZZZZZZ	0607										
MH3BA0	0615	85									
MH3B94	0623	89									
ZZZZZZ	0631										
CCV62	0639	88									
CCB62	0647	88									
MH3B95	0655	91									
MH3B96	0703	91									
MH3B97	0711	94									
MH3B99	0719	94									
MH3B88	0727	87									
MH3B91	0735	86									
MH3B92	0742	87									
ZZZZZZ	0750										
ZZZZZZ	0758										
ZZZZZZ	0806										
CCV63	0814	93									
CCB63	0822	92									
MH3B85	0830	85									
MH3B86	0838	82									
MH3B87	0846	78									
MH3B93	0854	80									
MH3B89	0902	81									
ZZZZZZ	0910										
ZZZZZZ	0918										
ZZZZZZ	0926										
ZZZZZZ	0934										
ZZZZZZ	0942										
CCV64	0949	87									
CCB64	0957	85									
MH3B98	1005	82									
MH3B90	1013	83									
MH3B90D	1021	82									
MH3B90S	1029	80									

Metals

15-IN

ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG NO.: MH3BA0

ICP-MS Instrument ID: P6 Start Date: 11/18/2011 End Date: 11/19/2011

EPA Sample No.	Time	Internal Standards %RI For:									
		Element 165Ho	Q	Element 159Tb	Q	Element 45Sc	Q	Element 6Li	Q	Element 103Rh	Q
MH3B90L	1037	81									
ZZZZZZ	1045										
ZZZZZZ	1053										
ZZZZZZ	1101										
ZZZZZZ	1109										
ZZZZZZ	1117										
CCV65	1125	83									
CCB65	1133	81									
CCV66	1404	81									
CCB66	1412	80									
ZZZZZZ	1420										
ZZZZZZ	1436										
ZZZZZZ	1444										
CCV67	1452	82									
CCB67	1500	81									

Metals

16-IN

INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Instrument ID: P6 Start Date: 11/17/11

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0.00	0.00000	0	20.0	24	-20	2500	2694	-8
Antimony	0.00	0.00000	0	2.00	1.9	5	125	122	3
Barium	0.00	0.00000	0	10.0	9.9	1	625	618	1
Beryllium	0.00	0.00000	0	1.00	1.2	-16	125	126	-1
Cadmium	0.00	0.00000	0	1.00	0.94	6	125	124	1
Calcium	0.00	0.00000	0	500	483	3	12500	12660	-1
Chromium	0.00	0.00000	0	2.00	2.0	0	125	126	-1
Cobalt	0.00	0.00000	0	1.00	1.0	-3	125	126	0
Copper	0.00	0.00000	0	2.00	2.1	-5	250	256	-2
Iron	0.00	0.00000	0	200	198	1	6250	6279	0
Lead	0.00	0.00000	0	1.00	1.00	0	125	124	1
Magnesium	0.00	0.00000	0	500	549	-10	12500	12750	-2
Manganese	0.00	0.00000	0	1.00	1.0	-3	250	251	0
Nickel	0.00	0.00000	0	1.00	1.2	-15	125	128	-2
Potassium	0.00	0.00000	0	500	517	-3	6250	6353	-2
Selenium	0.00	0.00000	0	5.00	4.8	4	125	124	1
Silver	0.00	0.00000	0	1.00	1.0	-3	125	125	0
Sodium	0.00	0.00000	0	500	527	-5	12500	12750	-2
Thallium	0.00	0.00000	0	1.00	0.87	13	125	124	1
Vanadium	0.00	0.00000	0	5.00	4.6	7	125	125	0
Zinc	0.00	0.00000	0	2.00	1.9	5	250	253	-1

Control Limits ± 30

Metals

16-IN

INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Instrument ID: P6 Start Date: 11/18/11

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Arsenic	0.00	0.00000	0	0.400	0.39	3	125	124	1
Zinc	0.00	0.00000	0	2.00	2.2	-8	250	253	-1

Control Limits ± 30

Metals

16-IN

INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Instrument ID: P6 Start Date: 11/17/11

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	5000	5333	-7	10000	9885	1	20000	19950	0
Antimony	250	246	2	500	492	2	1000	1006	-1
Barium	1250	1238	1	2500	2470	1	5000	5019	0
Beryllium	250	251	0	500	496	1	1000	1002	0
Cadmium	250	249	0	500	497	1	1000	1002	0
Calcium	25000	25160	-1	50000	49340	1	100000	100300	0
Chromium	250	251	0	500	497	1	1000	1001	0
Cobalt	250	251	0	500	498	0	1000	1001	0
Copper	500	507	-1	1000	993	1	2000	2001	0
Iron	12500	12570	-1	25000	24870	1	50000	50040	0
Lead	250	247	1	500	495	1	1000	1004	0
Magnesium	25000	24990	0	50000	49420	1	100000	100300	0
Manganese	500	503	-1	1000	995	1	2000	2002	0
Nickel	250	252	-1	500	495	1	1000	1001	0
Potassium	12500	12600	-1	25000	24690	1	50000	50120	0
Selenium	250	249	0	500	488	2	1000	1007	-1
Silver	250	250	0	500	495	1	1000	1003	0
Sodium	25000	25150	-1	50000	49550	1	100000	100200	0
Thallium	250	248	1	500	498	0	1000	1001	0
Vanadium	250	250	0	500	495	1	1000	1003	0
Zinc	500	503	-1	1000	992	1	2000	2003	0

Metals

16-IN

INITIAL CALIBRATION

Lab Name: Chemtech Consulting Group Contract: EPW09038

Lab Code: CHEM Case No.: 41926 Mod. Ref. No.: SDG No.: MH3BA0

Instrument ID: P6 Start Date: 11/18/11

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Arsenic	250	248	1	500	505	-1	1000	998	0
Zinc	500	503	-1	1000	1090	-9	2000	1954	2

Control Limits ± 30

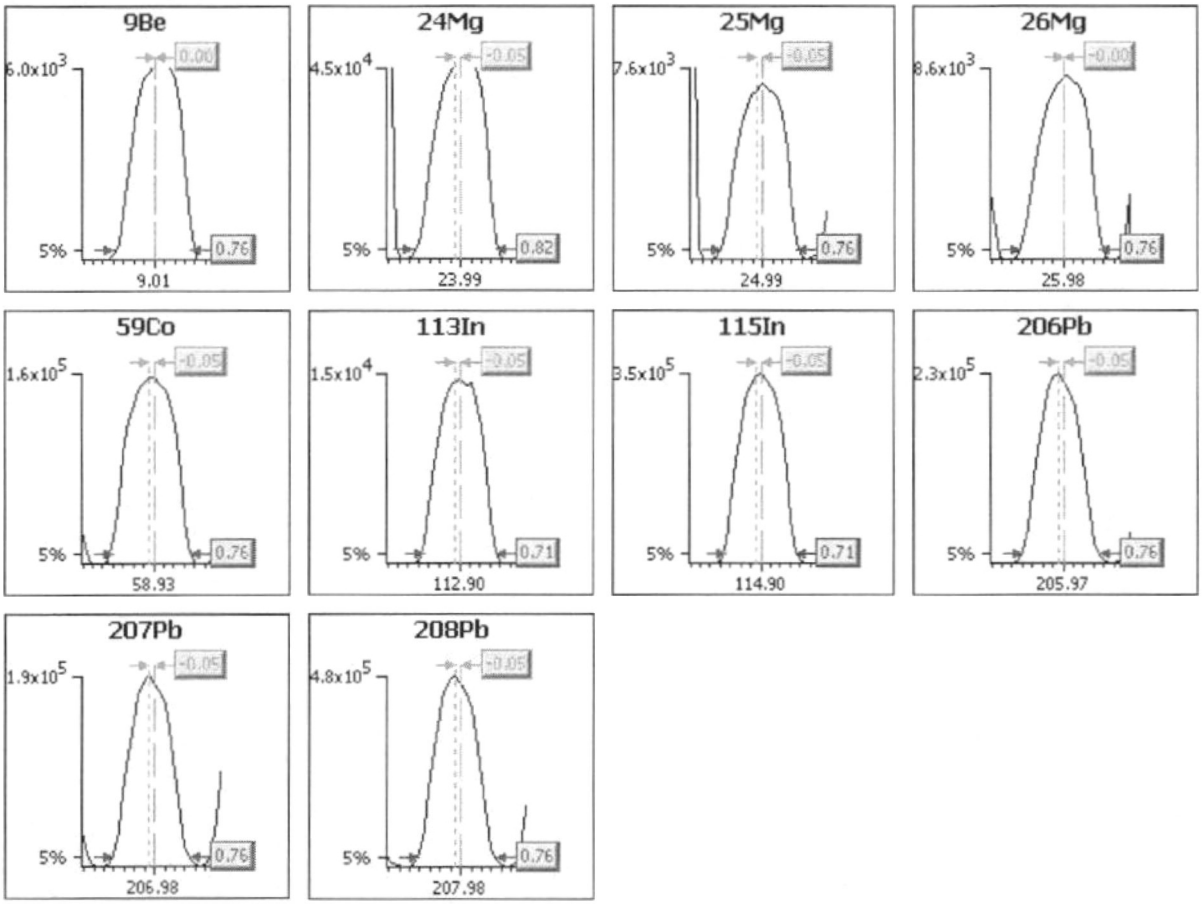
Reviewed By jaswal
On:11/22/2011 1:16:48 PM
Inst Id :P6

Performance Report

Sample details
Sample name : TUNE
Acquired at : 11/17/2011 04:12:49 PM
Report name : ISM01.2 [03/09/2010 11:16:01 AM]

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	0.76	0.00
24Mg	0.85	0.65	0.10	0.82	-0.05
25Mg	0.85	0.65	0.10	0.76	-0.05
26Mg	0.85	0.65	0.10	0.76	-0.00
59Co	0.85	0.65	0.10	0.76	-0.05
113In	0.85	0.65	0.10	0.71	-0.05
115In	0.85	0.65	0.10	0.71	-0.05
206Pb	0.85	0.65	0.10	0.76	-0.05
207Pb	0.85	0.65	0.10	0.76	-0.05
208Pb	0.85	0.65	0.10	0.76	-0.05

Reviewed By jaswal On 11/22/2011 1:16:48 PM Inst id :P6

Sample details
Sample name : TUNE
Acquired at : 11/17/2011 04:12:49 PM
Report name : ISM01.2 [03/09/2010 11:16:01 AM]

Tune conditions

Major	
Extraction	-220
Lens 1	0.3
Focus	20.8
D1	-37.6
Pole Bias	1.0
Hexapole Bias	-3.0
Nebuliser	0.80
Sampling Depth	130

Minor	
Lens 2	-51.8
Lens 3	-187.5
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

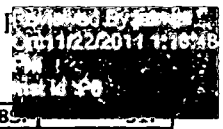
Run	Time	5Bkg	9Be	24Mg	25Mg	26Mg	59Co	138Ba++	113In	115In
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	5.0%	-	5.0%	5.0%
	Countrate	-	>2000	>8000	>1000	>1000	>25000	-	>2500	>50000
1	04:13:12 PM	0.000	6274.455	44702.138	6887.814	8423.252	167119.52	3892.069	15147.257	355494.19
2	04:13:41 PM	0.769	6099.764	45074.845	6971.701	8428.640	167425.38	3942.852	15016.350	354427.40
3	04:14:09 PM	0.000	6119.003	45128.861	6836.251	8296.254	166250.24	3852.827	15053.312	353982.73
4	04:14:39 PM	0.000	6134.394	45466.082	6884.736	8482.518	167857.33	3902.841	15243.513	355249.76
5	04:15:08 PM	0.000	6203.654	45095.680	7024.804	8509.457	169296.47	3849.749	15067.172	355344.38
x		0.154	6166.254	45093.521	6921.061	8428.024	167589.79	3888.068	15105.521	354899.69
σ		0.34	72.07	270.92	75.74	82.14	1121.04	38.55	90.74	659.09
%RSD		223.607	1.169	0.601	1.094	0.975	0.669	0.992	0.601	0.186

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	04:13:12 PM	303756.96	422449.05	7043.274	224788.59	191100.46	475600.30	0.000
2	04:13:41 PM	305227.81	423649.99	7016.338	225112.08	192853.00	479647.68	0.769
3	04:14:09 PM	304122.30	422596.39	7077.137	225687.99	191655.51	480940.06	0.000
4	04:14:39 PM	305909.08	425881.82	7079.446	225738.78	192764.90	479167.34	0.000
5	04:15:08 PM	304762.65	424848.66	7124.084	225372.29	192343.12	479775.72	0.000
x		304755.76	423885.18	7068.056	225339.95	192143.40	479026.22	0.154
σ		859.06	1474.25	40.74	399.11	750.91	2022.85	0.34
%RSD		0.282	0.348	0.576	0.177	0.391	0.422	223.607

Ratio results

Run	Time	156Ce O/140Ce	138Ba++/138Ba
	Ratio limits	<0.0200	<0.0300
1	04:13:12 PM	0.017	0.013
2	04:13:41 PM	0.017	0.013
3	04:14:09 PM	0.017	0.013
4	04:14:39 PM	0.017	0.013
5	04:15:08 PM	0.017	0.013
x		0.0167	0.0128
σ		0.00	0.00
%RSD		0.5147	0.8973

Result : The performance report passed.



Fully Quantitative Concentrations

Id	Label	9Be	10B	23Na	24Mg	25Mg	26Mg	27Al	28Si	31P
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
3	S1 (S)	1.000	5.000	500.000	500.000	500.000	500.000	20.000	5.000	0.000
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	94Mo	95Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
3	S1 (S)	2.000	0.400	5.000	5.000	5.000	1.000	1.000	5.000	5.000
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	96Mo	97Mo	98Mo	107Ag	109Ag	106Cd	108Cd	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
3	S1 (S)	5.000	5.000	5.000	1.000	1.000	0.400	1.000	1.000	5.000
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	121Sb	135Ba	137Ba	203Tl	205Tl	206Pb	207Pb	208Pb	232Th
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
3	S1 (S)	2.000	10.000	10.000	0.900	0.900	1.000	1.000	1.000	1.000
4	S2 (S)	125.000	625.000	625.000	125.000	125.000	125.000	125.000	125.000	125.000
5	S3 (S)	250.000	1250.000	1250.000	250.000	250.000	250.000	250.000	250.000	250.000
6	S4 (S)	500.000	2500.000	2500.000	500.000	500.000	500.000	500.000	500.000	500.000
7	S5 (S)	1000.000	5000.000	5000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000

Id	Label	238U
		ppb
3	S1 (S)	1.000
4	S2 (S)	125.000
5	S3 (S)	250.000
6	S4 (S)	500.000
7	S5 (S)	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	Through Blank	Yes		0.995000
10B	Yes	0.58	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
13C	Yes	0.05	None				No		
23Na	Yes	1.00	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
24Mg	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
25Mg	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
26Mg	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
27Al	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
28Si	Yes	0.85	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
31P	Yes	0.33	Fully-Quantified	Linear	None	Through Blank	Yes		
34S	Yes	0.14	None				No		
37Cl	Yes	0.09	None				No		

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

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	TUNE	Instrument Setup	1.000	1	1	1	144
2	S0 (S0)	Blank	1.000	1	1	1	144
3	S1 (S)	Fully Quant Standard	1.000	1	1	2	144
4	S2 (S)	Fully Quant Standard	1.000	1	1	3	144
5	S3 (S)	Fully Quant Standard	1.000	1	1	4	144
6	S4 (S)	Fully Quant Standard	1.000	1	1	5	144
7	S5 (S)	Fully Quant Standard	1.000	1	1	6	144
8	ICV13	Unknown	1.000	1	1	7	144
9	ICB13	Unknown	1.000	1	1	8	144
10	ICSA13	Unknown	1.000	1	1	9	144
11	ICSAB13	Unknown	1.000	1	1	10	144
12	ICSA13X10	Unknown	1.000	1	1	11	144
13	ICSAB13X10	Unknown	1.000	1	1	12	144
14	CCV49	Unknown	1.000	1	2	1	144

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15	CCB49	Unknown	1.000	1	2	2	144
16	PB59275BL PBW01	Unknown	1.000	1	2	3	144
17	PB59274BL PBW01	Unknown	1.000	1	2	4	144
18	PB59238BL PBW01	Unknown	1.000	1	2	5	144
19	CRI	Unknown	1.000	1	2	6	144
20	PB59275BS LCS01	Unknown	1.000	1	2	7	144
21	PB59274BS LCS01	Unknown	1.000	1	2	8	144
22	PB59238BS LCS01	Unknown	1.000	1	2	9	144
23	C4482-02 MB9TD0	Blank	1.000	1	2	10	144
24	C4482-03 MB9TC2	Unknown	1.000	1	2	11	144
25	C4482-03LX5 MB9TC2L	Unknown	1.000	1	2	12	144
26	CCV50	Unknown	1.000	1	3	1	144
27	CCB50	Unknown	1.000	1	3	2	144
28	C4482-04 MB9TC2D	Unknown	1.000	1	3	3	144
29	C4482-05 MB9TC2S	Unknown	1.000	1	3	4	144
30	C4482-05X10 MB9TC2S	Unknown	1.000	1	3	5	144
31	C4482-06 MB9TF0	Unknown	1.000	1	3	6	144
32	C4482-07 MB9TF2	Unknown	1.000	1	3	7	144
33	C4482-08 MB9TG4	Unknown	1.000	1	3	8	144
34	C4482-09 MB9TC0	Unknown	1.000	1	3	9	144
35	C4481-01 MB9TA1	Unknown	1.000	1	3	10	144
36	C4481-03 MB9TC9	Unknown	1.000	1	3	11	144
37	C4481-03X10 MB9TC9	Unknown	1.000	1	3	12	144
38	CCV51	Unknown	1.000	1	4	1	144
39	CCB51	Unknown	1.000	1	4	2	144
40	C4481-04 MB9TA2	Unknown	1.000	1	4	3	144
41	C4481-05 MB9TC1	Unknown	1.000	1	4	4	144
42	C4481-06 MB9TC1D	Unknown	1.000	1	4	5	144
43	C4481-05LX5 MB9TC1L	Unknown	1.000	1	4	6	144
44	C4481-07 MB9TC1S	Unknown	1.000	1	4	7	144
45	C4481-07X10 MB9TC1S	Unknown	1.000	1	4	8	144
46	C4481-08 MB9TE9	Unknown	1.000	1	4	9	144
47	C4481-09 MB9TF1	Unknown	1.000	1	4	10	144
48	C4481-10 MB9TG3	Unknown	1.000	1	4	11	144
49	C4481-11 MB9TB9	Unknown	1.000	1	4	12	144
50	CCV52	Unknown	1.000	1	5	1	144
51	CCB52	Unknown	1.000	1	5	2	144
52	C4481-12 MB9TA3	Unknown	1.000	1	5	3	144
53	C4481-13 MB9TA4	Unknown	1.000	1	5	4	144
54	C4481-14 MB9TA0	Unknown	1.000	1	5	5	144
55	C4481-02 MB9TA7	Unknown	1.000	1	5	6	144
56	C4481-02X25 MB9TA7	Unknown	1.000	1	5	7	144
57	C4481-02X50 MB9TA7	Unknown	1.000	1	5	8	144
58	C4463-01 MH3BA0	Unknown	1.000	1	5	9	144
59	C4463-13 MH3B94	Unknown	1.000	1	5	10	144
60	C4463-01X25 MH3BA0	Unknown	1.000	1	5	11	144
61	C4482-01 MB9TA8	Unknown	1.000	1	5	12	144
62	CCV53	Unknown	1.000	2	1	1	144
63	CCB53	Unknown	1.000	2	1	2	144
64	C4463-14 MH3B95	Unknown	1.000	2	1	3	144
65	C4463-15 MH3B96	Unknown	1.000	2	1	4	144
66	C4463-16 MH3B97	Unknown	1.000	2	1	5	144
67	C4463-18 MH3B99	Unknown	1.000	2	1	6	144
68	C4463-14X25 MH3B95	Unknown	1.000	2	1	7	144
69	C4463-15X25 MH3B96	Unknown	1.000	2	1	8	144
70	C4463-16X25 MH3B97	Unknown	1.000	2	1	9	144
71	C4463-18X25 MH3B99	Unknown	1.000	2	1	10	144
72	C4463-05 MH3B88	Unknown	1.000	2	1	11	144
73	C4463-05X25 MH3B88	Unknown	1.000	2	1	12	144
74	CCV54	Unknown	1.000	2	2	1	144
75	CCB54	Unknown	1.000	2	2	2	144
76	C4463-02 MH3B85	Unknown	1.000	2	2	3	144
77	C4463-03 MH3B86	Unknown	1.000	2	2	4	144
78	C4463-04 MH3B87	Unknown	1.000	2	2	5	144
79	C4463-12 MH3B93	Unknown	1.000	2	2	6	144
80	C4463-06 MH3B89	Unknown	1.000	2	2	7	144
81	C4463-02X25 MH3B85	Unknown	1.000	2	2	8	144
82	C4463-03X25 MH3B86	Unknown	1.000	2	2	9	144
83	C4463-04X25 MH3B87	Unknown	1.000	2	2	10	144
84	C4463-12X25 MH3B93	Unknown	1.000	2	2	11	144
85	C4463-06X25 MH3B89	Unknown	1.000	2	2	12	144
86	CCV55	Unknown	1.000	2	3	1	144
87	CCB55	Unknown	1.000	2	3	2	144
88	C4463-17 MH3B98	Unknown	1.000	2	3	3	144
89	C4463-07 MH3B90	Unknown	1.000	2	3	4	144
90	C4463-08 MH3B90D	Unknown	1.000	2	3	5	144
91	C4463-09 MH3B90S	Unknown	1.000	2	3	6	144

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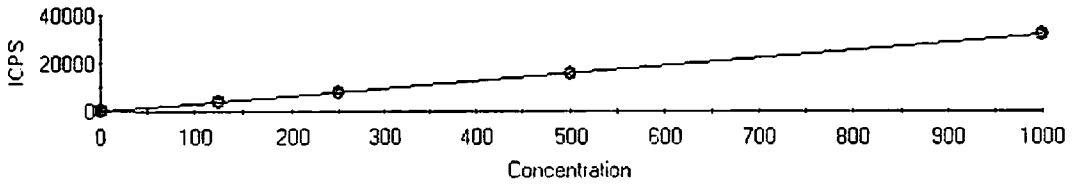
Wet lab SPd

92	C4463-07LX5 MH3B90L	Unknown	1.000	2	3	7	144
93	C4463-17X25 MH3B98	Unknown	1.000	2	3	8	144
94	C4463-07X25 MH3B90	Unknown	1.000	2	3	9	144
95	C4463-08X25 MH3B90D	Unknown	1.000	2	3	10	144
96	C4463-09X25 MH3B90S	Unknown	1.000	2	3	11	144
97	C4463-07LX125 MH3B90L	Unknown	1.000	2	3	12	144
98	CCV56	Unknown	1.000	2	4	1	144
99	CCB56	Unknown	1.000	2	4	2	144
100	C4463-10 MH3B91	Unknown	1.000	2	4	3	144
101	C4463-11 MH3B92	Unknown	1.000	2	4	4	144
102	C4463-10X25 MH3B91	Unknown	1.000	2	4	5	144
103	C4463-11X25 MH3B92	Unknown	1.000	2	4	6	144
104	C4463-13X25 MH3B94	Unknown	1.000	2	4	7	144
105	CCV57	Unknown	1.000	2	4	8	144
106	CCB57	Unknown	1.000	2	4	9	144
107	CRI	Unknown	1.000	2	4	10	144
108	CRI FE 100PPB	Unknown	1.000	2	4	11	144
109	PB59282BL	Unknown	1.000	2	4	12	144
110	PB59257BL	Unknown	1.000	2	5	1	144
111	PB59282BS	Unknown	1.000	2	5	2	144
112	PB59257BS	Unknown	1.000	2	5	3	144
113	C4585-24	Unknown	1.000	2	5	4	144
114	C4585-01	Unknown	1.000	2	5	5	144
115	C4585-01D	Unknown	1.000	2	5	6	144
116	C4585-01LX5	Unknown	1.000	2	5	7	144
117	CCV	Unknown	1.000	2	5	8	144
118	CCB	Unknown	1.000	2	5	9	144
119	C4585-01S	Unknown	1.000	2	5	10	144
120	C4585-01SD	Unknown	1.000	2	5	11	144
121	C4585-01A	Unknown	1.000	2	5	12	144
122	C4585-03	Unknown	1.000	3	1	1	144
123	C4585-05	Unknown	1.000	3	1	2	144
124	C4585-07	Unknown	1.000	3	1	3	144
125	C4585-09	Unknown	1.000	3	1	4	144
126	C4585-11	Unknown	1.000	3	1	5	144
127	C4585-13	Unknown	1.000	3	1	6	144
128	C4585-15	Unknown	1.000	3	1	7	144
129	CCV	Unknown	1.000	3	1	8	144
130	CCB	Unknown	1.000	3	1	9	144
131	C4585-17	Unknown	1.000	3	1	10	144
132	C4585-18	Unknown	1.000	3	1	11	144
133	C4585-19	Unknown	1.000	3	1	12	144
134	C4585-20	Unknown	1.000	3	2	1	144
135	C4585-21	Unknown	1.000	3	2	2	144
136	C4585-22	Unknown	1.000	3	2	3	144
137	C4585-23	Unknown	1.000	3	2	4	144
138	C4588-10	Unknown	1.000	3	2	5	144
139	C4588-11	Unknown	1.000	3	2	6	144
140	C4588-12	Unknown	1.000	3	2	7	144
141	CCV	Unknown	1.000	3	2	8	144
142	CCB	Unknown	1.000	3	2	9	144
143	C4588-13	Unknown	1.000	3	2	10	144
144	C4588-06	Unknown	1.000	3	2	11	144
145	C4588-06D	Unknown	1.000	3	2	12	144
146	C4588-06LX5	Unknown	1.000	3	3	1	144
147	C4588-06S	Unknown	1.000	3	3	2	144
148	C4588-06SD	Unknown	1.000	3	3	3	144
149	C4588-06A	Unknown	1.000	3	3	4	144
150	C4588-06X20	Unknown	1.000	3	3	5	144
151	C4588-06DX20	Unknown	1.000	3	3	6	144
152	C4588-06LX100	Unknown	1.000	3	3	7	144
153	CCV	Unknown	1.000	3	3	8	144
154	CCB	Unknown	1.000	3	3	9	144
155	C4588-05	Unknown	1.000	3	3	10	144
156	C4588-07	Unknown	1.000	3	3	11	144
157	C4588-06SX20	Unknown	1.000	3	3	12	144
158	C4588-06SDX20	Unknown	1.000	3	4	1	144
159	C4588-06AX20	Unknown	1.000	3	4	2	144
160	C4588-05X20	Unknown	1.000	3	4	3	144
161	C4588-07X20	Unknown	1.000	3	4	4	144
162	C4652-01	Unknown	1.000	3	4	5	144
163	C4652-01X10	Unknown	1.000	3	4	6	144
164	CCV	Unknown	1.000	3	4	7	144
165	CCB	Unknown	1.000	3	4	8	144

Reviewed By:aswal
On:11/22/2011 1:16:48 PM
Inst Id :P8

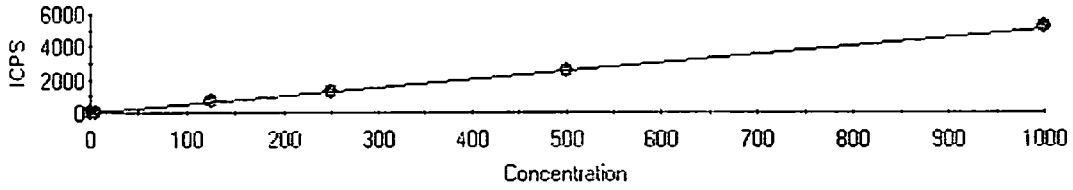
9Be FQ Block 1



Intercept CPS=10.776904 Intercept Conc=0.345886
Sensitivity=31.157344 Correlation Coeff=0.999983

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	10.78	0.00
S1 (S)	1.000	1.160	0.160	46.91	15.96
S2 (S)	125.000	125.806	0.806	3930.55	0.64
S3 (S)	250.000	251.000	1.000	7831.28	0.40
S4 (S)	500.000	495.570	4.430	15451.42	0.89
S5 (S)	1000.000	1001.864	1.864	31226.20	0.19

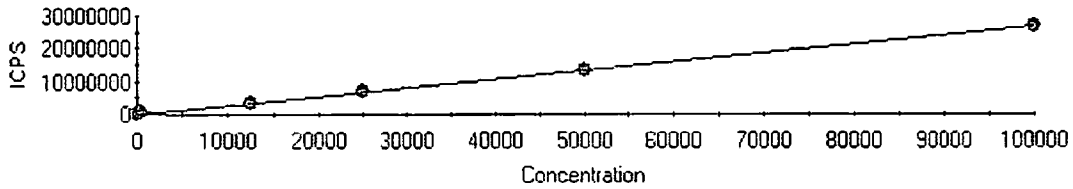
10B FQ Block 1



Intercept CPS=8.867707 Intercept Conc=1.740929
Sensitivity=5.093665 Correlation Coeff=0.999852

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	8.87	0.00
S1 (S)	5.000	5.786	0.786	38.34	15.72
S2 (S)	125.000	125.538	0.538	648.31	0.43
S3 (S)	250.000	245.579	4.421	1259.77	1.77
S4 (S)	500.000	487.126	12.874	2490.12	2.57
S5 (S)	1000.000	1007.471	7.471	5140.59	0.75

23Na FQ Block 1



Intercept CPS=196142.026431 Intercept Conc=744.233351
Sensitivity=263.549095 Correlation Coeff=0.999979

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	196142.03	0.00
S1 (S)	500.000	527.198	27.198	335084.66	5.44
S2 (S)	12500.000	12748.156	248.156	3555907.07	1.99
S3 (S)	25000.000	25154.543	154.543	6825598.97	0.62
S4 (S)	50000.000	49547.874	452.126	13254439.48	0.90
S5 (S)	100000.000	100156.272	156.272	26592236.83	0.16

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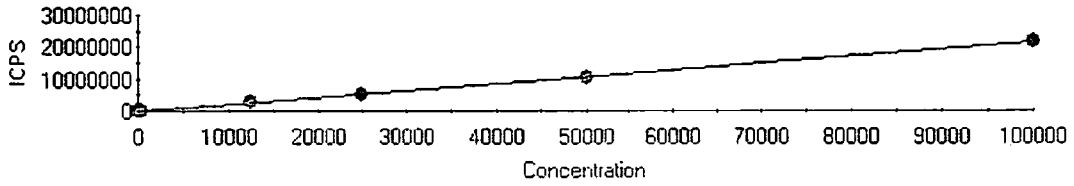
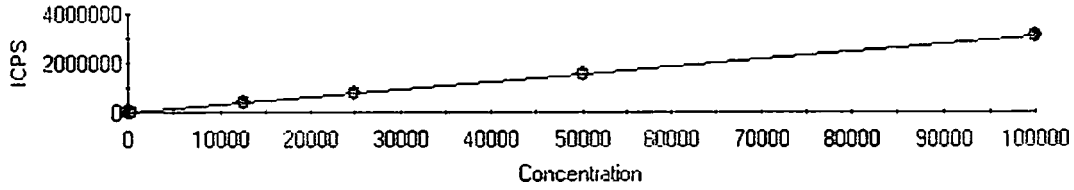
24Mg FQ Block 1



Intercept CPS=1925.548728 Intercept Conc=8.930893
Sensitivity=215.605407 Correlation Coeff=0.999968

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	1925.55	0.00
S1 (S)	500.000	549.221	49.221	120340.64	9.84
S2 (S)	12500.000	12749.116	249.116	2750703.85	1.99
S3 (S)	25000.000	24985.115	14.885	5388851.34	0.06
S4 (S)	50000.000	49418.198	581.802	10656756.18	1.16
S5 (S)	100000.000	100263.237	263.237	21619221.56	0.26

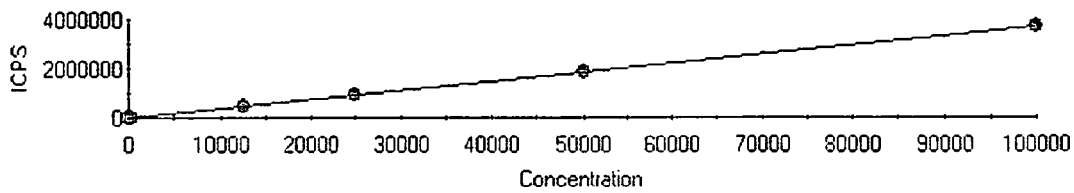
25Mg FQ Block 1



Intercept CPS=243.238645 Intercept Conc=7.869282
Sensitivity=30.909891 Correlation Coeff=0.999971

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	243.24	0.00
S1 (S)	500.000	545.746	45.746	17112.17	9.15
S2 (S)	12500.000	12858.757	358.757	397706.00	2.87
S3 (S)	25000.000	25513.227	513.227	788854.28	2.05
S4 (S)	50000.000	50402.172	402.172	1558168.86	0.80
S5 (S)	100000.000	99625.534	374.466	3079657.59	0.37

26Mg FQ Block 1



Intercept CPS=303.653715 Intercept Conc=8.149677
Sensitivity=37.259599 Correlation Coeff=0.999959

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	303.65	0.00
S1 (S)	500.000	543.699	43.699	20561.65	8.74
S2 (S)	12500.000	12933.817	433.817	482212.51	3.47
S3 (S)	25000.000	25559.786	559.786	952651.05	2.24
S4 (S)	50000.000	50501.734	501.734	1881978.01	1.00
S5 (S)	100000.000	99554.741	445.259	3709673.41	0.45

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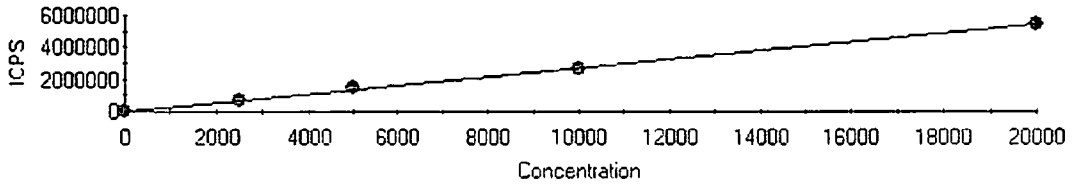
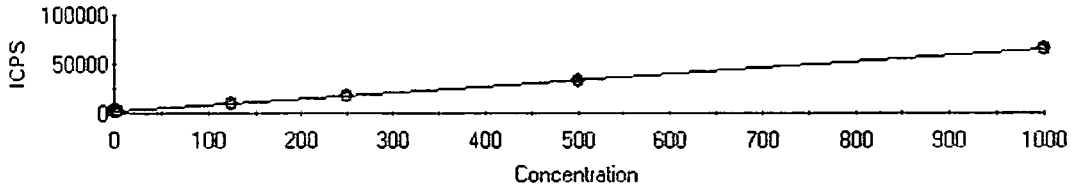
27Al FQ Block 1



Intercept CPS=13022.604115 Intercept Conc=48.201980
Sensitivity=270.167411 Correlation Coeff=0.999787

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	13022.60	0.00
S1 (S)	20.000	24.018	4.018	19511.46	20.09
S2 (S)	2500.000	2693.547	193.547	740731.29	7.74
S3 (S)	5000.000	5333.108	333.108	1453854.46	6.66
S4 (S)	10000.000	9884.535	115.465	2683501.95	1.15
S5 (S)	20000.000	19950.258	49.742	5402932.15	0.25

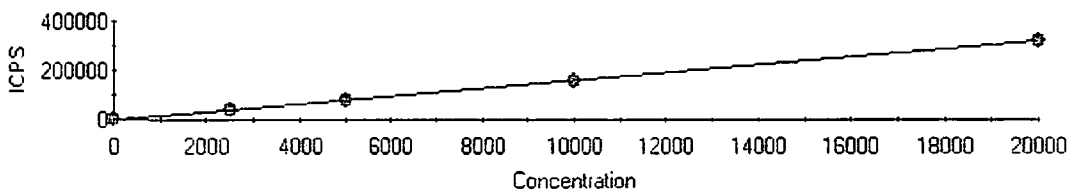
28Si FQ Block 1



Intercept CPS=969.763015 Intercept Conc=15.260836
Sensitivity=63.545864 Correlation Coeff=0.999967

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	969.76	0.00
S1 (S)	5.000	5.855	0.855	1341.83	17.10
S2 (S)	125.000	123.797	1.203	8836.53	0.96
S3 (S)	250.000	244.939	5.061	16534.62	2.02
S4 (S)	500.000	495.553	4.447	32460.13	0.89
S5 (S)	1000.000	1003.635	3.635	64746.60	0.36

31P FQ Block 1



Intercept CPS=994.938418 Intercept Conc=62.950486
Sensitivity=15.805095 Correlation Coeff=0.999963

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	994.94	0.00
S1 (S)	0.000	-1.514	1.514	971.01	0.00
S2 (S)	2500.000	2504.255	4.255	40574.92	0.17
S3 (S)	5000.000	5023.780	23.780	80396.25	0.48
S4 (S)	10000.000	9863.914	136.086	156895.04	1.36
S5 (S)	20000.000	20061.566	61.566	318069.90	0.31

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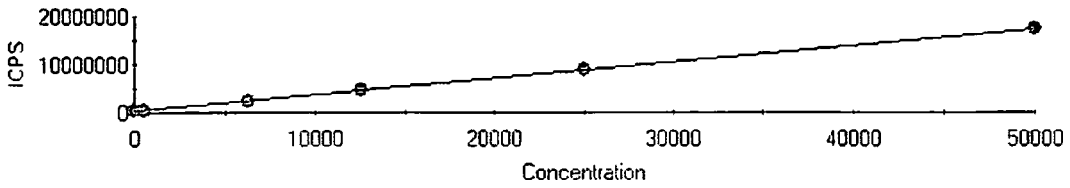
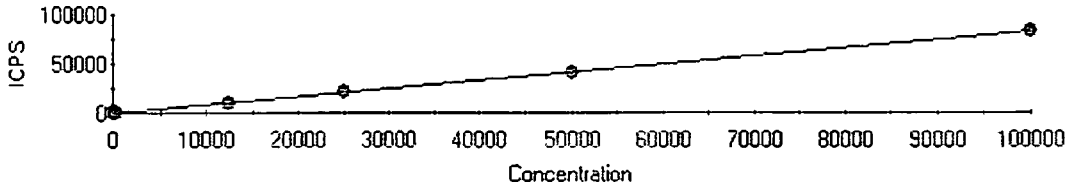
39K FQ Block 1



Intercept CPS=209392.982892 Intercept Conc=610.391448
Sensitivity=343.047045 Correlation Coeff=0.999965

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	209392.98	0.00
S1 (S)	500.000	516.767	16.767	386668.30	3.35
S2 (S)	6250.000	6353.306	103.306	2388875.70	1.65
S3 (S)	12500.000	12598.309	98.309	4531205.54	0.79
S4 (S)	25000.000	24692.387	307.613	8680043.23	1.23
S5 (S)	50000.000	50116.149	116.149	17401589.72	0.23

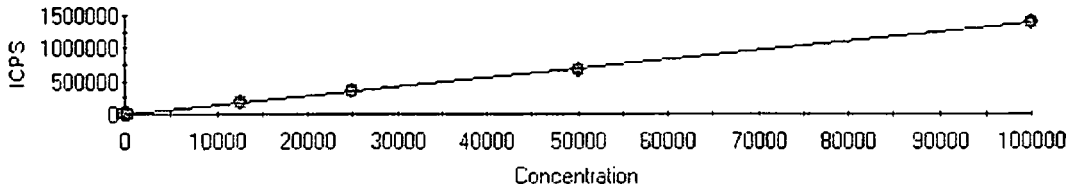
43Ca FQ Block 1



Intercept CPS=26.025896 Intercept Conc=31.505734
Sensitivity=0.826069 Correlation Coeff=0.999960

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	26.03	0.00
S1 (S)	500.000	486.181	13.819	427.64	2.76
S2 (S)	12500.000	12729.169	229.169	10541.19	1.83
S3 (S)	25000.000	25285.446	285.446	20913.54	1.14
S4 (S)	50000.000	49356.396	643.604	40797.79	1.29
S5 (S)	100000.000	100221.864	221.864	82816.16	0.22

44Ca FQ Block 1



Intercept CPS=883.888571 Intercept Conc=64.500295
Sensitivity=13.703636 Correlation Coeff=0.999962

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	883.89	0.00
S1 (S)	500.000	483.184	16.816	7505.26	3.36
S2 (S)	12500.000	12661.643	161.643	174394.43	1.29
S3 (S)	25000.000	25163.501	163.501	345715.34	0.65
S4 (S)	50000.000	49337.920	662.080	676992.78	1.32
S5 (S)	100000.000	100270.044	270.044	1374948.08	0.27

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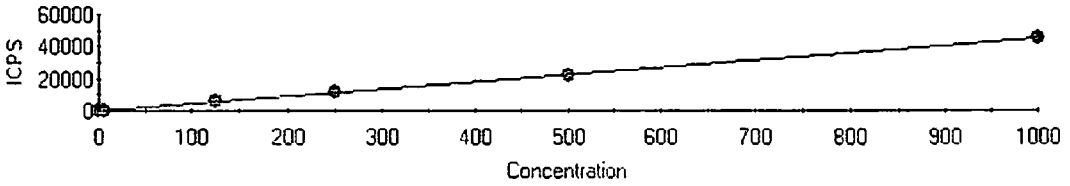
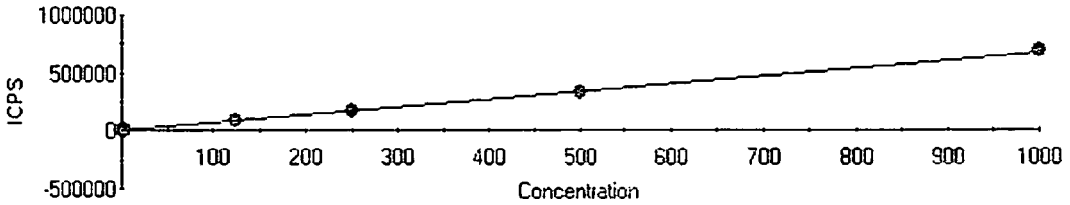
47Ti FQ Block 1



Intercept CPS=34.888732 Intercept Conc=0.781303
Sensitivity=44.654574 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	34.89	0.00
S1 (S)	5.000	4.062	0.938	216.26	18.77
S2 (S)	125.000	126.720	1.720	5693.53	1.38
S3 (S)	250.000	251.310	1.310	11257.04	0.52
S4 (S)	500.000	498.919	1.081	22313.91	0.22
S5 (S)	1000.000	1000.003	0.003	44689.58	0.00

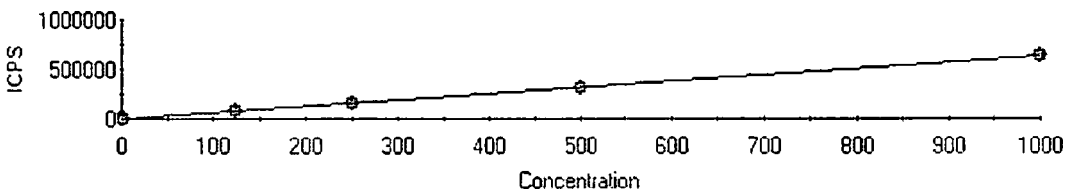
51V FQ Block 1



Intercept CPS=7.004566 Intercept Conc=0.010274
Sensitivity=681.748837 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	7.00	0.00
S1 (S)	5.000	4.644	0.356	3173.09	7.12
S2 (S)	125.000	125.005	0.005	85229.22	0.00
S3 (S)	250.000	249.884	0.116	170364.98	0.05
S4 (S)	500.000	494.748	5.252	337301.17	1.05
S5 (S)	1000.000	1002.656	2.656	683566.54	0.27

52Cr FQ Block 1



Intercept CPS=534.942906 Intercept Conc=0.843644
Sensitivity=634.086172 Correlation Coeff=0.999991

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	534.94	0.00
S1 (S)	2.000	1.993	0.007	1798.52	0.36
S2 (S)	125.000	125.760	0.760	80277.88	0.61
S3 (S)	250.000	250.761	0.761	159539.08	0.30
S4 (S)	500.000	496.737	3.263	315508.78	0.65
S5 (S)	1000.000	1001.346	1.346	635474.83	0.13

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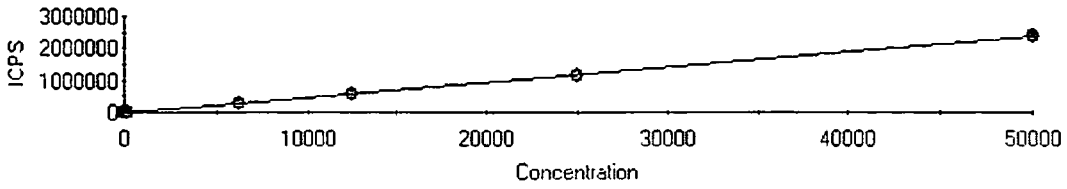
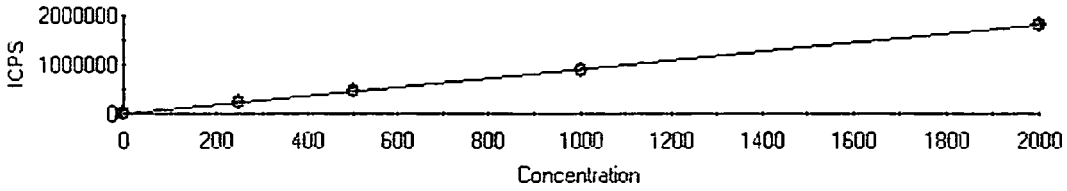
54Fe FQ Block 1



Intercept CPS=3468.010350 Intercept Conc=73.523453
Sensitivity=47.168763 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	3468.01	0.00
S1 (S)	200.000	198.960	1.040	12852.73	0.52
S2 (S)	6250.000	6300.712	50.712	300664.80	0.81
S3 (S)	12500.000	12584.020	84.020	597040.66	0.67
S4 (S)	25000.000	24864.154	135.846	1176279.42	0.54
S5 (S)	50000.000	50040.583	40.583	2363820.42	0.08

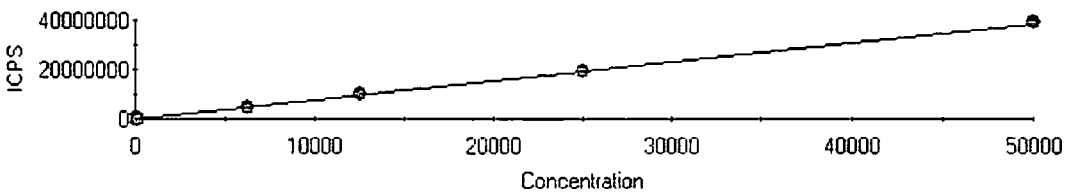
55Mn FQ Block 1



Intercept CPS=297.468768 Intercept Conc=0.329955
Sensitivity=901.542084 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	297.47	0.00
S1 (S)	1.000	1.032	0.032	1227.46	3.16
S2 (S)	250.000	251.236	1.236	226796.98	0.49
S3 (S)	500.000	503.377	3.377	454113.31	0.68
S4 (S)	1000.000	994.467	5.533	896851.28	0.55
S5 (S)	2000.000	2001.768	1.768	1804975.31	0.09

56Fe FQ Block 1



Intercept CPS=50055.022637 Intercept Conc=64.537268
Sensitivity=775.598719 Correlation Coeff=0.999992

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	50055.02	0.00
S1 (S)	200.000	209.915	9.915	212864.56	4.96
S2 (S)	6250.000	6333.292	83.292	4962148.22	1.33
S3 (S)	12500.000	12547.584	47.584	9781944.91	0.38
S4 (S)	25000.000	24859.986	140.014	19331428.43	0.56
S5 (S)	50000.000	50047.660	47.660	38866955.88	0.10

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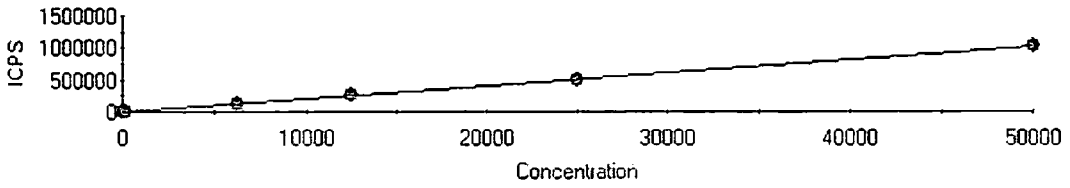
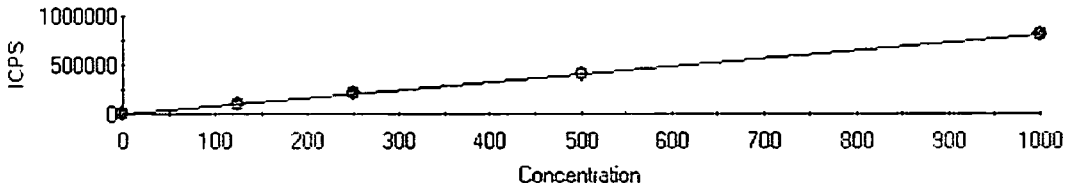
57Fe FQ Block 1



Intercept CPS=2458.211040 Intercept Conc=122.669018
Sensitivity=20.039380 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	2458.21	0.00
S1 (S)	200.000	197.698	2.302	6419.97	1.15
S2 (S)	6250.000	6278.585	28.585	128277.16	0.46
S3 (S)	12500.000	12569.068	69.068	254334.54	0.55
S4 (S)	25000.000	24869.808	130.192	500833.73	0.52
S5 (S)	50000.000	50044.265	44.265	1005314.25	0.09

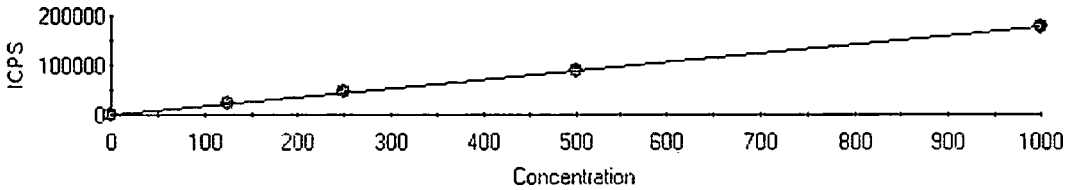
59Co FQ Block 1



Intercept CPS=48.451367 Intercept Conc=0.060047
Sensitivity=806.888442 Correlation Coeff=0.999995

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	48.45	0.00
S1 (S)	1.000	1.027	0.027	877.40	2.73
S2 (S)	125.000	125.598	0.598	101391.82	0.48
S3 (S)	250.000	251.028	1.028	202599.95	0.41
S4 (S)	500.000	497.805	2.195	401721.32	0.44
S5 (S)	1000.000	1000.766	0.766	807554.91	0.08

60Ni FQ Block 1



Intercept CPS=89.053210 Intercept Conc=0.501528
Sensitivity=177.563890 Correlation Coeff=0.999975

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	89.05	0.00
S1 (S)	1.000	1.152	0.152	293.53	15.15
S2 (S)	125.000	127.922	2.922	22803.40	2.34
S3 (S)	250.000	252.190	2.190	44868.88	0.88
S4 (S)	500.000	495.178	4.822	88014.70	0.96
S5 (S)	1000.000	1001.498	1.498	177918.99	0.15

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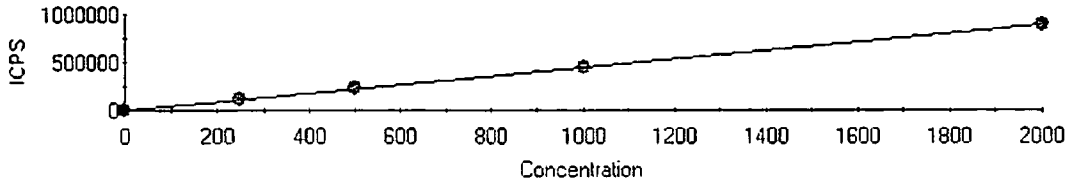
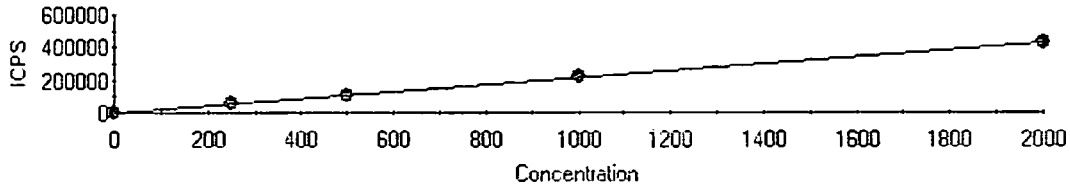
63Cu FQ Block 1



Intercept CPS=161.994660 Intercept Conc=0.364633
Sensitivity=444.267396 Correlation Coeff=0.999978

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	161.99	0.00
S1 (S)	2.000	2.096	0.096	1093.30	4.81
S2 (S)	250.000	255.727	5.727	113773.10	2.29
S3 (S)	500.000	507.443	7.443	225602.28	1.49
S4 (S)	1000.000	992.663	7.337	441169.89	0.73
S5 (S)	2000.000	2001.092	1.092	889181.82	0.05

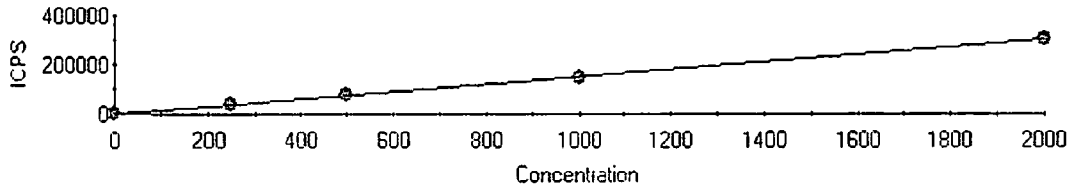
65Cu FQ Block 1



Intercept CPS=54.675403 Intercept Conc=0.254418
Sensitivity=214.904195 Correlation Coeff=0.999993

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	54.68	0.00
S1 (S)	2.000	2.013	0.013	487.36	0.67
S2 (S)	250.000	254.566	4.566	54761.95	1.83
S3 (S)	500.000	504.485	4.485	108470.66	0.90
S4 (S)	1000.000	996.781	3.219	214267.20	0.32
S5 (S)	2000.000	1999.917	0.083	429845.27	0.00

66Zn FQ Block 1



Intercept CPS=94.781745 Intercept Conc=0.628155
Sensitivity=150.889004 Correlation Coeff=0.999985

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	94.78	0.00
S1 (S)	2.000	1.895	0.105	380.74	5.24
S2 (S)	250.000	253.393	3.393	38328.99	1.36
S3 (S)	500.000	502.918	2.918	75979.56	0.58
S4 (S)	1000.000	992.046	7.954	149783.60	0.80
S5 (S)	2000.000	2002.824	2.824	302298.83	0.14

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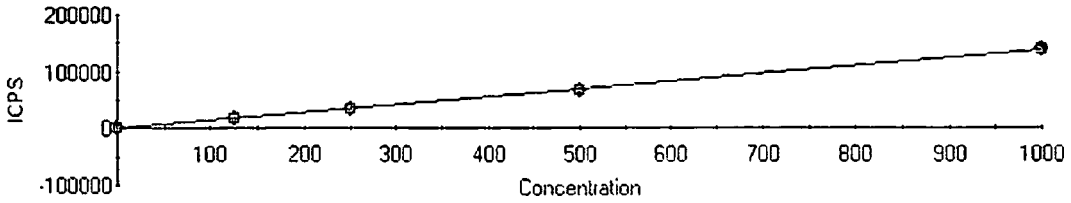
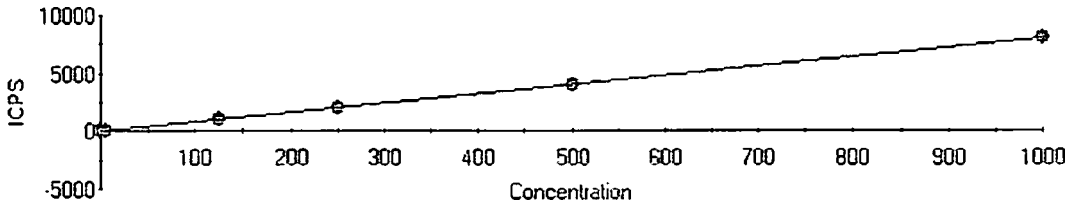
75As FQ Block 1



Intercept CPS=-1.899821 Intercept Conc=-0.013888
Sensitivity=136.800264 Correlation Coeff=0.999965

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	-1.90	0.00
S1 (S)	0.400	0.661	0.261	88.57	65.33
S2 (S)	125.000	121.979	3.021	16684.80	2.42
S3 (S)	250.000	247.473	2.527	33852.51	1.01
S4 (S)	500.000	493.988	6.012	67575.73	1.20
S5 (S)	1000.000	1004.015	4.015	137347.68	0.40

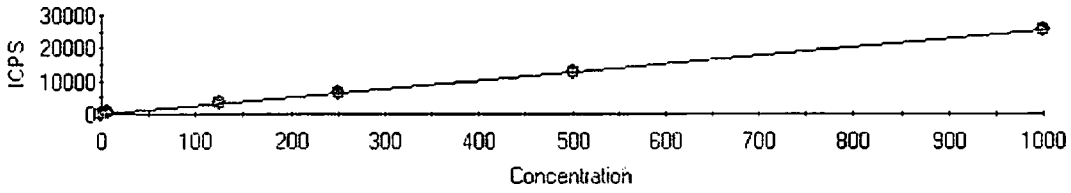
77Se FQ Block 1



Intercept CPS=0.534661 Intercept Conc=0.066487
Sensitivity=8.041571 Correlation Coeff=0.999890

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	0.53	0.00
S1 (S)	5.000	4.811	0.189	39.23	3.77
S2 (S)	125.000	124.056	0.944	998.14	0.76
S3 (S)	250.000	249.682	0.318	2008.37	0.13
S4 (S)	500.000	488.132	11.868	3925.89	2.37
S5 (S)	1000.000	1006.132	6.132	8091.42	0.61

78Se FQ Block 1



Intercept CPS=227.283734 Intercept Conc=9.121339
Sensitivity=24.917805 Correlation Coeff=0.999957

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	227.28	0.00
S1 (S)	5.000	5.426	0.426	362.49	8.52
S2 (S)	125.000	122.348	2.652	3275.92	2.12
S3 (S)	250.000	247.270	2.730	6388.72	1.09
S4 (S)	500.000	493.226	6.774	12517.38	1.35
S5 (S)	1000.000	1004.399	4.399	25254.70	0.44

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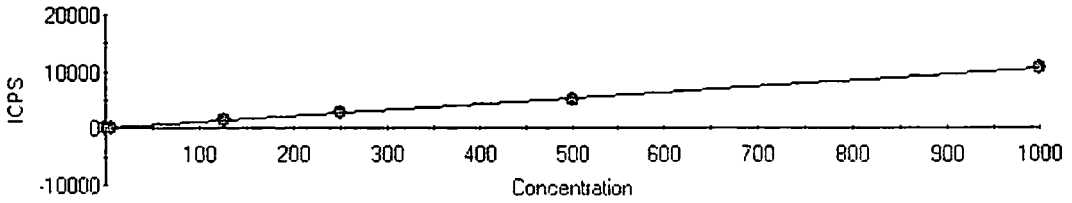
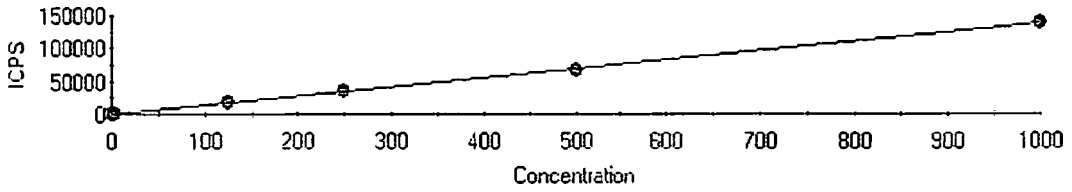
82Se FQ Block 1



Intercept CPS=0.695604 Intercept Conc=0.066425
Sensitivity=10.472056 Correlation Coeff=0.999880

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	0.70	0.00
S1 (S)	5.000	4.799	0.201	50.95	4.02
S2 (S)	125.000	123.705	1.295	1296.14	1.04
S3 (S)	250.000	249.001	0.999	2608.24	0.40
S4 (S)	500.000	487.629	12.371	5107.17	2.47
S5 (S)	1000.000	1006.598	6.598	10541.85	0.66

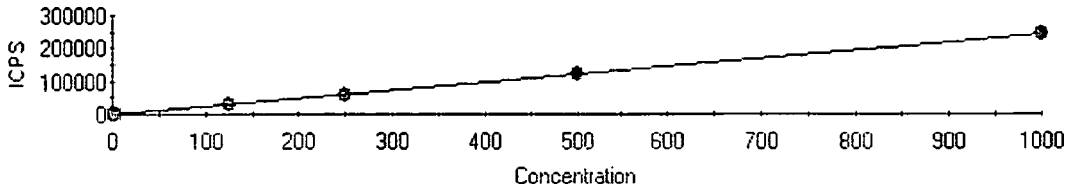
94Mo FQ Block 1



Intercept CPS=15.111694 Intercept Conc=0.110069
Sensitivity=137.293459 Correlation Coeff=0.999900

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	15.11	0.00
S1 (S)	5.000	4.786	0.214	672.22	4.28
S2 (S)	125.000	122.358	2.642	16814.01	2.11
S3 (S)	250.000	242.612	7.388	33324.18	2.96
S4 (S)	500.000	490.540	9.460	67362.98	1.89
S5 (S)	1000.000	1006.909	6.909	138257.07	0.69

95Mo FQ Block 1



Intercept CPS=11.991996 Intercept Conc=0.049691
Sensitivity=241.333155 Correlation Coeff=0.999898

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	11.99	0.00
S1 (S)	5.000	4.807	0.193	1172.12	3.86
S2 (S)	125.000	122.685	2.315	29620.02	1.85
S3 (S)	250.000	242.535	7.465	58543.63	2.99
S4 (S)	500.000	490.444	9.556	118372.42	1.91
S5 (S)	1000.000	1006.935	6.935	243018.69	0.69

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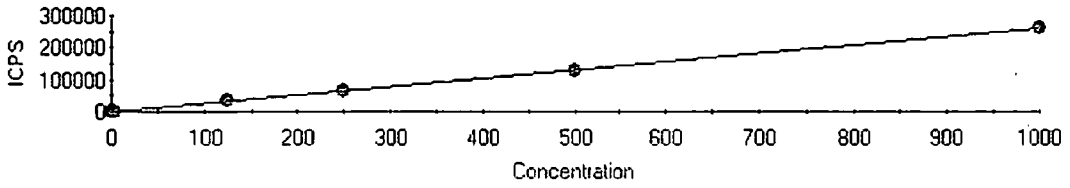
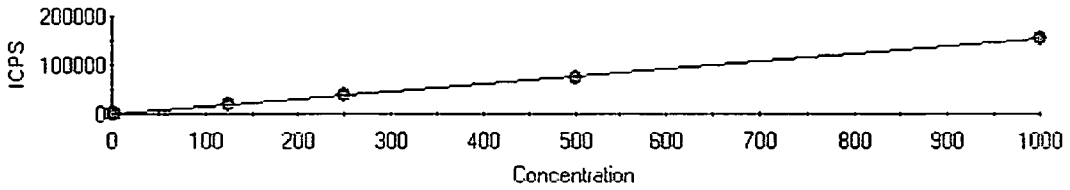
96Mo FQ Block 1



Intercept CPS=9.394684 Intercept Conc=0.036137
Sensitivity=259.973536 Correlation Coeff=0.999908

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	9.39	0.00
S1 (S)	5.000	4.695	0.305	1230.00	6.10
S2 (S)	125.000	122.210	2.790	31780.89	2.23
S3 (S)	250.000	244.541	5.459	63583.65	2.18
S4 (S)	500.000	490.122	9.878	127428.14	1.98
S5 (S)	1000.000	1006.654	6.654	261712.77	0.67

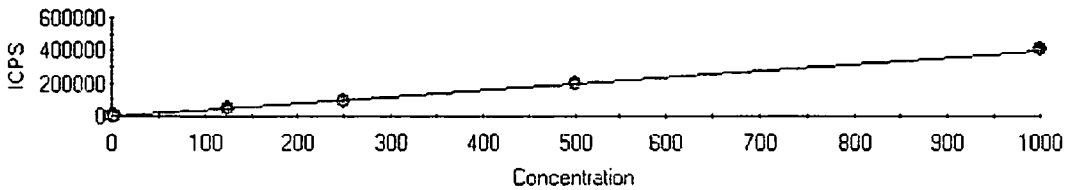
97Mo FQ Block 1



Intercept CPS=3.662182 Intercept Conc=0.023990
Sensitivity=152.655167 Correlation Coeff=0.999925

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	3.66	0.00
S1 (S)	5.000	4.483	0.517	688.01	10.34
S2 (S)	125.000	121.781	3.219	18594.19	2.58
S3 (S)	250.000	244.669	5.331	37353.71	2.13
S4 (S)	500.000	491.238	8.762	74993.70	1.75
S5 (S)	1000.000	1006.119	6.119	153592.86	0.61

98Mo FQ Block 1



Intercept CPS=11.976111 Intercept Conc=0.030286
Sensitivity=395.439859 Correlation Coeff=0.999904

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	11.98	0.00
S1 (S)	5.000	4.711	0.289	1874.91	5.78
S2 (S)	125.000	121.964	3.036	48241.25	2.43
S3 (S)	250.000	244.881	5.119	96847.81	2.05
S4 (S)	500.000	489.814	10.186	193703.82	2.04
S5 (S)	1000.000	1006.754	6.754	398122.57	0.68

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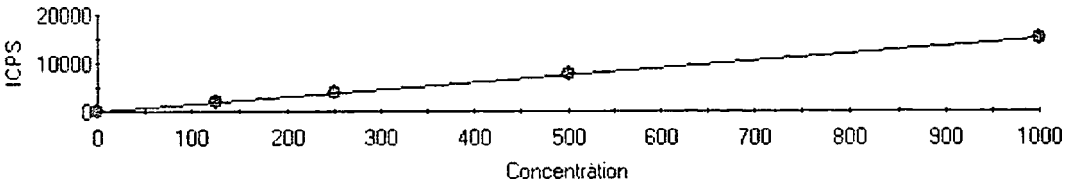
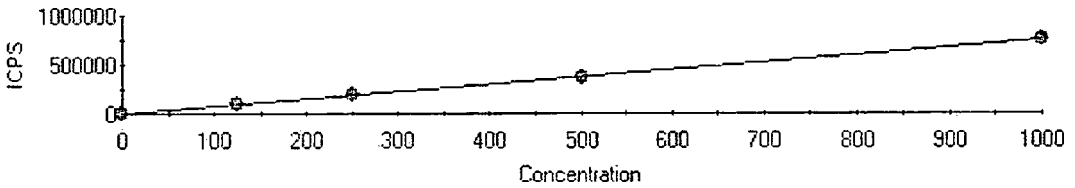
106Cd FQ Block 1



Intercept CPS=132.305152 Intercept Conc=8.905225
Sensitivity=14.857025 Correlation Coeff=0.999982

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	132.31	0.00
S1 (S)	0.400	-0.382	0.782	126.63	195.51
S2 (S)	125.000	119.579	5.421	1908.90	4.34
S3 (S)	250.000	248.963	1.037	3831.16	0.41
S4 (S)	500.000	502.088	2.088	7591.84	0.42
S5 (S)	1000.000	999.893	0.107	14987.74	0.01

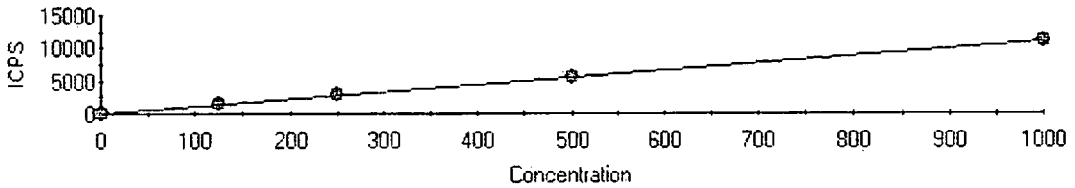
107Ag FQ Block 1



Intercept CPS=14.591934 Intercept Conc=0.019688
Sensitivity=741.171337 Correlation Coeff=0.999979

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	14.59	0.00
S1 (S)	1.000	1.031	0.031	779.06	3.14
S2 (S)	125.000	125.094	0.094	92730.79	0.08
S3 (S)	250.000	249.613	0.387	185020.26	0.15
S4 (S)	500.000	494.821	5.179	366761.52	1.04
S5 (S)	1000.000	1002.675	2.675	743168.35	0.27

108Cd FQ Block 1



Intercept CPS=96.582606 Intercept Conc=8.923080
Sensitivity=10.823909 Correlation Coeff=0.999982

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	96.58	0.00
S1 (S)	1.000	-0.386	1.386	92.40	138.60
S2 (S)	125.000	119.701	5.299	1392.22	4.24
S3 (S)	250.000	249.125	0.875	2793.09	0.35
S4 (S)	500.000	502.294	2.294	5533.37	0.46
S5 (S)	1000.000	999.735	0.265	10917.62	0.03

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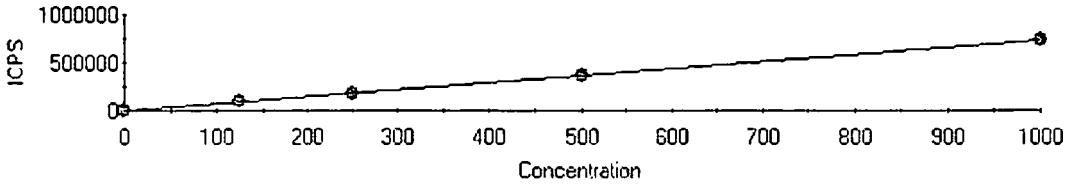
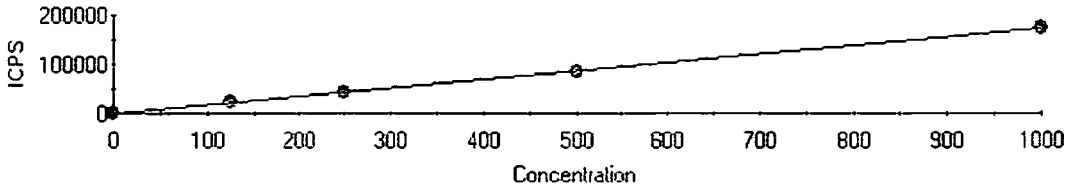
109Ag FQ Block 1



Intercept CPS=12.523712 Intercept Conc=0.017309
Sensitivity=723.520076 Correlation Coeff=0.999980

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	12.52	0.00
S1 (S)	1.000	0.948	0.052	698.46	5.19
S2 (S)	125.000	124.954	0.046	90419.15	0.04
S3 (S)	250.000	249.485	0.515	180519.85	0.21
S4 (S)	500.000	495.037	4.963	358181.99	0.99
S5 (S)	1000.000	1002.616	2.616	725425.27	0.26

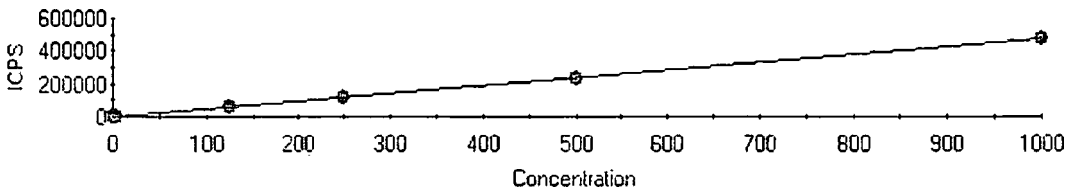
111Cd FQ Block 1



Intercept CPS=108.971794 Intercept Conc=0.635238
Sensitivity=171.544718 Correlation Coeff=0.999990

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	108.97	0.00
S1 (S)	1.000	0.945	0.055	271.02	5.53
S2 (S)	125.000	124.222	0.778	21418.58	0.62
S3 (S)	250.000	248.877	1.123	42802.57	0.45
S4 (S)	500.000	496.641	3.359	85305.12	0.67
S5 (S)	1000.000	1002.057	2.057	172006.63	0.21

118Sn FQ Block 1



Intercept CPS=57.347623 Intercept Conc=0.120958
Sensitivity=474.113688 Correlation Coeff=0.999936

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	57.35	0.00
S1 (S)	5.000	4.688	0.312	2279.98	6.24
S2 (S)	125.000	123.008	1.992	58377.25	1.59
S3 (S)	250.000	247.045	2.955	117184.71	1.18
S4 (S)	500.000	491.287	8.713	232983.01	1.74
S5 (S)	1000.000	1005.346	5.346	476705.67	0.53

Reviewed By:jaswal
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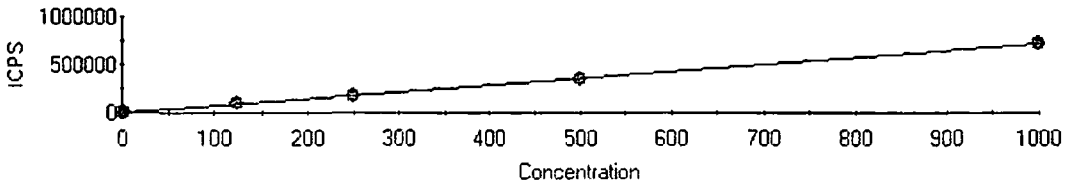
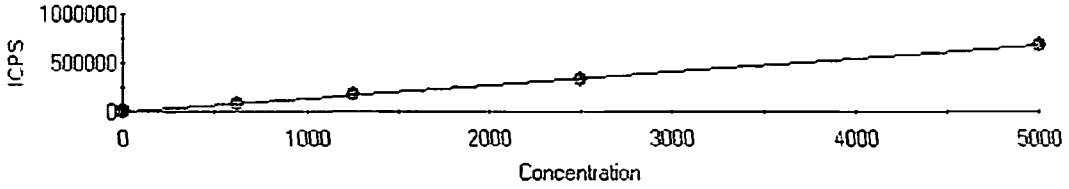
121Sb FQ Block 1



Intercept CPS=71.026124 Intercept Conc=0.099049
Sensitivity=717.080463 Correlation Coeff=0.999936

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	71.03	0.00
S1 (S)	2.000	1.899	0.101	1433.08	5.03
S2 (S)	125.000	121.680	3.320	87325.12	2.66
S3 (S)	250.000	245.742	4.258	176287.62	1.70
S4 (S)	500.000	491.813	8.187	352740.34	1.64
S5 (S)	1000.000	1005.573	5.573	721148.09	0.56

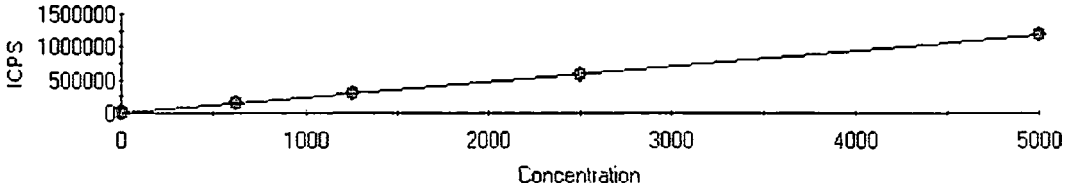
135Ba FQ Block 1



Intercept CPS=11.477711 Intercept Conc=0.085870
Sensitivity=133.664196 Correlation Coeff=0.999965

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	11.48	0.00
S1 (S)	10.000	9.669	0.331	1303.83	3.31
S2 (S)	625.000	620.808	4.192	82991.24	0.67
S3 (S)	1250.000	1235.423	14.577	165143.34	1.17
S4 (S)	2500.000	2469.074	30.926	330038.28	1.24
S5 (S)	5000.000	5019.632	19.632	670956.53	0.39

137Ba FQ Block 1



Intercept CPS=31.317674 Intercept Conc=0.131519
Sensitivity=238.122411 Correlation Coeff=0.999969

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	31.32	0.00
S1 (S)	10.000	9.920	0.080	2393.55	0.80
S2 (S)	625.000	618.330	6.670	147269.48	1.07
S3 (S)	1250.000	1237.945	12.055	294813.80	0.96
S4 (S)	2500.000	2470.221	29.779	588246.40	1.19
S5 (S)	5000.000	5018.737	18.737	1195105.06	0.37

Reviewed By:jaswal
On:11/22/2011 1:16:48 PM
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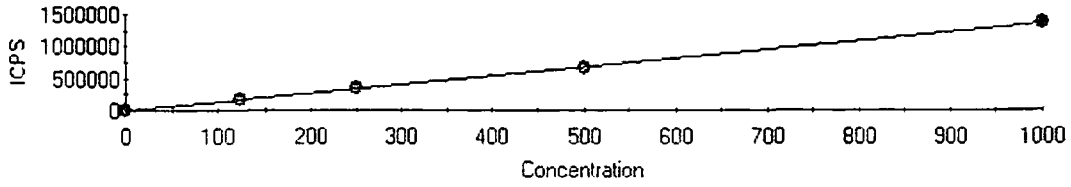
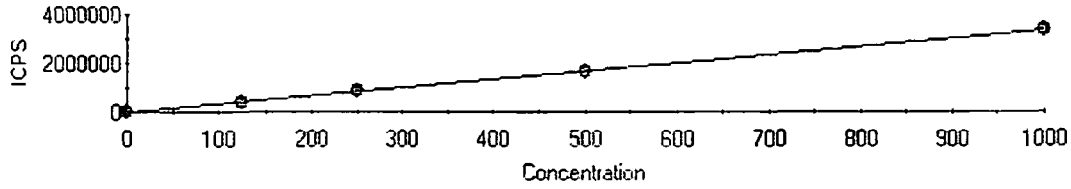
203Tl FQ Block 1



Intercept CPS=40.147046 Intercept Conc=0.029756
Sensitivity=1349.207014 Correlation Coeff=0.999994

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	40.15	0.00
S1 (S)	0.900	0.881	0.019	1229.25	2.07
S2 (S)	125.000	124.048	0.952	167406.35	0.76
S3 (S)	250.000	247.540	2.460	334023.50	0.98
S4 (S)	500.000	498.266	1.734	672304.13	0.35
S5 (S)	1000.000	1001.601	1.601	1351407.13	0.16

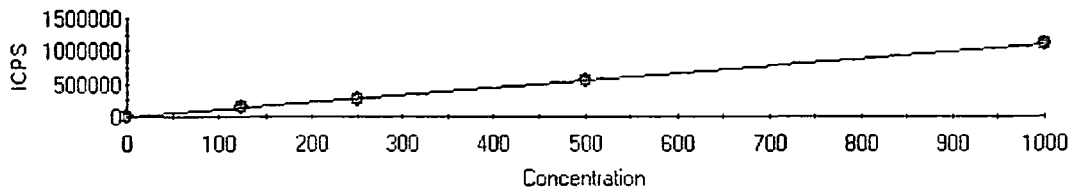
205Tl FQ Block 1



Intercept CPS=95.098699 Intercept Conc=0.028962
Sensitivity=3283.568937 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	95.10	0.00
S1 (S)	0.900	0.867	0.033	2943.11	3.63
S2 (S)	125.000	123.623	1.377	406019.54	1.10
S3 (S)	250.000	248.417	1.583	815788.12	0.63
S4 (S)	500.000	498.420	1.580	1636692.62	0.32
S5 (S)	1000.000	1001.358	1.358	3288122.62	0.14

206Pb FQ Block 1

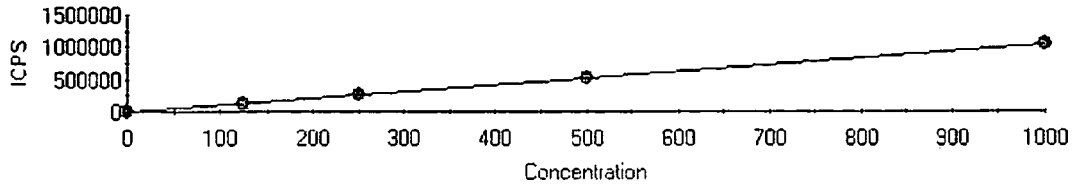


Intercept CPS=78.163474 Intercept Conc=0.071721
Sensitivity=1089.827053 Correlation Coeff=0.999981

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	78.16	0.00
S1 (S)	1.000	0.992	0.008	1159.39	0.79
S2 (S)	125.000	124.026	0.974	135245.38	0.78
S3 (S)	250.000	248.328	1.672	270712.53	0.67
S4 (S)	500.000	495.261	4.739	539827.50	0.95
S5 (S)	1000.000	1002.909	2.909	1093075.57	0.29

Reviewed By:jaswal
On:11/22/2011 1:16:48 PM
Inst Id: P8

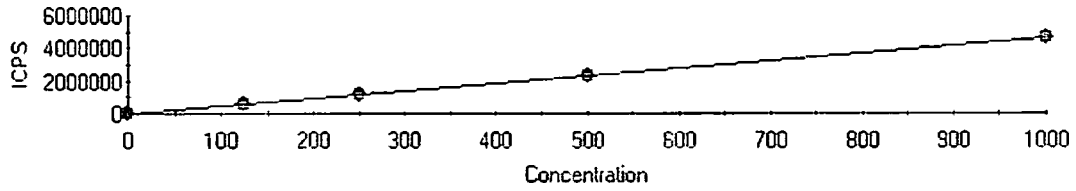
207Pb FQ Block 1



Intercept CPS=59.366498 Intercept Conc=0.057602
Sensitivity=1030.641474 Correlation Coeff=0.999971

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	59.37	0.00
S1 (S)	1.000	0.987	0.013	1076.82	1.28
S2 (S)	125.000	124.239	0.761	128105.48	0.61
S3 (S)	250.000	246.087	3.913	253687.27	1.57
S4 (S)	500.000	494.955	5.045	510180.36	1.01
S5 (S)	1000.000	1003.596	3.596	1034406.85	0.36

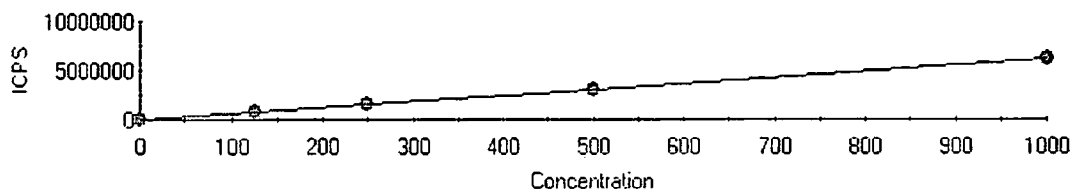
208Pb FQ Block 1



Intercept CPS=302.291455 Intercept Conc=0.066105
Sensitivity=4572.928515 Correlation Coeff=0.999972

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	302.29	0.00
S1 (S)	1.000	0.999	0.001	4869.30	0.13
S2 (S)	125.000	123.854	1.146	566675.93	0.92
S3 (S)	250.000	247.262	2.738	1131012.26	1.10
S4 (S)	500.000	494.497	5.503	2261604.01	1.10
S5 (S)	1000.000	1003.579	3.579	4589597.93	0.36

238U FQ Block 1



Intercept CPS=114.416081 Intercept Conc=0.018699
Sensitivity=6118.701674 Correlation Coeff=0.999966

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	114.42	0.00
S1 (S)	1.000	0.966	0.034	6025.46	3.39
S2 (S)	125.000	122.529	2.471	749833.77	1.98
S3 (S)	250.000	246.510	3.490	1508438.49	1.40
S4 (S)	500.000	494.226	5.774	3024137.26	1.15
S5 (S)	1000.000	1004.068	4.068	6143707.93	0.41

Reviewed By: jaswal
On: 11/22/2011 1:16:48 PM
Inst Id: P8

Dilution Corrected Concentrations

S0 (S0) 11/17/2011 04:58:17 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	16:59:25	101%	-0.081	-0.222	0.000	-2.917	0.549	0.531	0.449	-0.183
2	17:00:33	99%	0.042	1.041	0.000	2.210	0.282	0.714	0.486	0.507
3	17:01:41	100%	0.040	-0.818	0.000	0.707	-0.831	-1.245	-0.935	-0.324
x		100%	-0.000	-0.000	0.000	-0.000	0.000	-0.000	0.000	0.000
σ		1%	0.070	0.949	0.000	2.635	0.732	1.082	0.810	0.445
%RSD		1	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	16:59:25	-0.027	-0.756	0.000	0.000	1.443	-6.896	-1.486	100%	-0.045
2	17:00:33	-0.940	3.922	0.000	0.000	3.760	-10.670	1.824	100%	-0.081
3	17:01:41	0.967	-3.166	0.000	0.000	-5.203	17.570	-0.338	100%	0.126
x		0.000	0.000	0.000	0.000	-0.000	0.000	-0.000	100%	0.000
σ		0.954	3.604	0.000	0.000	4.653	15.330	1.681	0%	0.111
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0	0.000
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:25	0.191	0.026	-0.191	-0.019	0.040	0.593	4.809	0.006	-0.095
2	17:00:33	-0.030	0.007	-0.052	-0.643	-0.004	0.150	-1.175	0.002	0.115
3	17:01:41	-0.160	-0.033	0.118	0.662	-0.036	-0.743	-3.634	-0.008	-0.019
x		0.000	0.000	-0.041	0.000	0.000	-0.000	0.000	-0.000	0.000
σ		0.177	0.030	0.155	0.653	0.038	0.680	4.342	0.007	0.106
%RSD		0.000	0.000	373.000	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	16:59:25	0.013	-0.094	0.068	0.104	0.233	-0.026	0.105	0.233	-1.280
2	17:00:33	-0.002	0.124	-0.162	0.128	0.281	-0.028	0.286	0.280	0.341
3	17:01:41	-0.011	-0.030	0.094	-0.232	-0.514	0.054	-0.391	-0.513	0.940
x		0.000	0.000	-0.000	0.000	0.000	-0.000	-0.000	0.000	0.000
σ		0.012	0.112	0.141	0.201	0.446	0.047	0.351	0.445	1.148
%RSD		0.000	0.000	0.000	0.000	0.000	46310.000	0.000	0.000	3961000.000
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:25	-0.007	0.022	0.012	0.028	0.002	-0.003	99%	0.535	-0.001
2	17:00:33	0.038	-0.024	0.006	-0.014	-0.007	0.006	100%	-0.810	0.006
3	17:01:41	-0.031	0.002	-0.018	-0.014	0.005	-0.003	101%	0.275	-0.005
x		0.000	0.000	0.000	-0.000	0.000	0.000	100%	0.000	-0.000
σ		0.035	0.023	0.016	0.024	0.006	0.005	1%	0.714	0.005
%RSD		0.000	0.000	0.000	0.000	0.000	16840.000	1	0.000	0.000
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	16:59:25	-0.200	0.536	0.011	0.045	0.009	0.055	0.020	0.041	99%
2	17:00:33	0.337	-0.811	-0.011	-0.037	0.024	-0.016	0.008	0.013	100%
3	17:01:41	-0.153	0.275	-0.000	-0.009	-0.033	-0.039	-0.028	-0.053	101%
x		-0.005	-0.000	0.000	0.000	0.000	0.000	-0.000	-0.000	100%
σ		0.298	0.715	0.011	0.042	0.029	0.049	0.025	0.048	1%
%RSD		5696.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	16:59:25	99%	-0.002	0.010	0.008	-0.007	0.006	99%	0.008	
2	17:00:33	100%	0.009	0.003	-0.006	0.009	-0.001	100%	-0.001	
3	17:01:41	101%	-0.007	-0.013	-0.002	-0.002	-0.005	101%	-0.007	
x		100%	0.000	0.000	0.000	-0.000	0.000	100%	-0.000	
σ		1%	0.008	0.011	0.007	0.008	0.006	1%	0.007	
%RSD		1	0.000	0.000	0.000	0.000	0.000	1	0.000	

Reviewed By jaswal r
On 11/22/2011 1:16:48 PM
Inst Id 2P6

S1 (S) 11/17/2011 05:06:09 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	17:07:17	97%	1.408	6.774	0.000	530.500	551.700	547.000	551.400	24.800
2	17:08:25	97%	1.000	4.585	0.000	536.600	551.100	551.800	544.900	24.240
3	17:09:33	99%	1.071	5.999	0.000	514.500	544.800	538.400	534.800	23.010
x		98%	1.160	5.786	0.000	527.200	549.200	545.700	543.700	24.020
σ		1%	0.218	1.110	0.000	11.390	3.814	6.789	8.374	0.916
%RSD		1	18.810	19.180	0.000	2.160	0.694	1.244	1.540	3.816
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:17	5.673	-3.345	0.000	0.000	517.400	549.400	486.300	99%	4.728
2	17:08:25	6.141	0.401	0.000	0.000	519.500	462.900	484.000	99%	3.133
3	17:09:33	5.752	-1.597	0.000	0.000	513.400	446.300	479.300	99%	4.324
x		5.855	-1.514	0.000	0.000	516.800	486.200	483.200	99%	4.062
σ		0.250	1.874	0.000	0.000	3.062	55.350	3.565	0%	0.829
%RSD		4.276	123.800	0.000	0.000	0.593	11.390	0.738	0	20.420
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:17	4.697	1.923	0.024	198.200	1.035	210.500	206.600	1.043	1.196
2	17:08:25	4.343	1.945	0.132	197.000	0.978	209.500	194.000	1.025	1.210
3	17:09:33	4.892	2.110	-0.502	201.800	1.081	209.700	192.400	1.014	1.049
x		4.644	1.993	-0.115	199.000	1.032	209.900	197.700	1.027	1.152
σ		0.278	0.102	0.339	2.497	0.052	0.550	7.779	0.015	0.089
%RSD		5.987	5.133	293.900	1.255	5.005	0.262	3.935	1.431	7.765
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:17	2.066	2.177	1.925	0.748	4.875	-0.072	5.739	4.863	-1.228
2	17:08:25	2.130	1.804	1.782	0.789	4.555	-0.096	5.031	4.542	0.423
3	17:09:33	2.093	2.059	1.978	0.447	5.005	-0.022	5.508	4.992	-4.649
x		2.096	2.013	1.895	0.661	4.811	-0.064	5.426	4.799	-1.818
σ		0.032	0.191	0.101	0.187	0.232	0.038	0.361	0.232	2.587
%RSD		1.546	9.466	5.349	28.200	4.815	59.070	6.656	4.827	142.300
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:17	4.856	4.919	4.851	4.381	4.587	-0.003	99%	-0.070	1.051
2	17:08:25	4.705	4.947	4.384	4.111	4.818	0.002	99%	-0.857	1.005
3	17:09:33	4.797	4.556	4.851	4.957	4.728	-0.003	99%	-0.219	1.038
x		4.786	4.807	4.695	4.483	4.711	-0.001	99%	-0.382	1.031
σ		0.076	0.218	0.270	0.432	0.116	0.002	0%	0.418	0.024
%RSD		1.584	4.539	5.739	9.644	2.469	193.900	0	109.500	2.279
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:07:17	0.909	-0.075	1.003	1.025	4.647	2.008	9.882	9.439	100%
2	17:08:25	1.125	-0.861	0.961	0.849	4.643	1.878	9.266	10.260	100%
3	17:09:33	0.574	-0.222	0.881	0.960	4.774	1.813	9.858	10.060	100%
x		0.869	-0.386	0.948	0.945	4.688	1.899	9.669	9.920	100%
σ		0.278	0.418	0.062	0.089	0.074	0.099	0.349	0.428	0%
%RSD		31.920	108.300	6.536	9.416	1.589	5.218	3.605	4.317	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	17:07:17	100%	0.884	0.838	0.999	0.979	0.992	100%	0.960	
2	17:08:25	100%	0.881	0.852	0.987	1.014	0.996	99%	0.957	
3	17:09:33	100%	0.879	0.912	0.990	0.969	1.008	100%	0.981	
x		100%	0.881	0.867	0.992	0.987	0.999	99%	0.966	
σ		0%	0.002	0.039	0.006	0.023	0.008	0%	0.013	
%RSD		0	0.267	4.499	0.609	2.370	0.843	0	1.354	

S2 (S) 11/17/2011 05:14:00 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	17:15:08	98%	120.100	123.500	0.000	12370.000	12360.000	12450.000	12480.000	2604.000
2	17:16:16	98%	126.600	125.300	0.000	12790.000	12760.000	12960.000	13000.000	2710.000
3	17:17:24	95%	130.700	127.900	0.000	13080.000	13130.000	13170.000	13320.000	2767.000
x		97%	125.800	125.500	0.000	12750.000	12750.000	12860.000	12930.000	2694.000
σ		2%	5.314	2.208	0.000	359.100	388.600	372.200	427.900	82.650
%RSD		2	4.224	1.758	0.000	2.817	3.048	2.894	3.308	3.068

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:08	119.600	2418.000	0.000	0.000	6122.000	12150.000	12240.000	99%	120.100
2	17:16:16	123.300	2501.000	0.000	0.000	6388.000	12800.000	12750.000	96%	129.100
3	17:17:24	128.500	2594.000	0.000	0.000	6550.000	13240.000	13000.000	95%	130.900
x		123.800	2504.000	0.000	0.000	6353.000	12730.000	12660.000	97%	126.700
σ		4.488	88.110	0.000	0.000	216.500	545.700	387.900	2%	5.809
%RSD		3.625	3.519	0.000	0.000	3.407	4.287	3.064	2	4.584

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:08	119.300	120.900	-1.697	6032.000	241.600	6063.000	6001.000	120.400	122.400
2	17:16:16	127.900	127.400	-2.498	6408.000	253.900	6418.000	6343.000	127.200	128.400
3	17:17:24	127.700	129.000	-1.515	6462.000	258.200	6518.000	6492.000	129.300	132.900
x		125.000	125.800	-1.903	6301.000	251.200	6333.000	6279.000	125.600	127.900
σ		4.905	4.296	0.523	233.900	8.639	239.100	251.900	4.657	5.256
%RSD		3.923	3.416	27.480	3.712	3.439	3.775	4.012	3.708	4.109

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:08	248.000	245.900	244.100	115.500	115.000	0.257	118.800	114.700	1.803
2	17:16:16	256.900	257.900	255.100	124.900	126.300	-0.275	122.000	126.000	-0.648
3	17:17:24	262.300	259.800	260.900	125.600	130.900	0.032	126.300	130.500	-1.951
x		255.700	254.600	253.400	122.000	124.100	0.004	122.300	123.700	-0.266
σ		7.196	7.536	8.534	5.641	8.185	0.267	3.761	8.131	1.906
%RSD		2.814	2.960	3.368	4.624	6.598	6038.000	3.074	6.573	717.700

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:08	117.800	118.300	117.300	118.100	118.100	-0.003	99%	115.900	121.500
2	17:16:16	124.800	124.100	124.100	123.900	122.900	-0.003	97%	122.700	126.200
3	17:17:24	124.500	125.600	125.300	123.400	124.900	0.002	96%	120.100	127.600
x		122.400	122.700	122.200	121.800	122.000	-0.001	97%	119.600	125.100
σ		3.940	3.870	4.305	3.236	3.492	0.003	2%	3.394	3.171
%RSD		3.220	3.155	3.522	2.657	2.863	230.400	2	2.838	2.535

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:08	4.699	116.100	120.900	120.300	118.400	116.500	600.300	600.300	101%
2	17:16:16	0.842	122.800	126.000	124.700	125.500	123.100	626.100	625.000	99%
3	17:17:24	6.730	120.200	128.000	127.600	125.200	125.500	636.000	629.600	99%
x		4.091	119.700	125.000	124.200	123.000	121.700	620.800	618.300	100%
σ		2.991	3.388	3.632	3.671	4.031	4.633	18.470	15.760	1%
%RSD		73.110	2.830	2.906	2.955	3.277	3.808	2.975	2.549	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:15:08	101%	120.600	120.300	120.500	121.000	120.200	100%	118.400
2	17:16:16	99%	125.100	124.800	125.100	125.800	125.300	98%	124.100
3	17:17:24	98%	126.400	125.800	126.400	126.000	126.100	97%	125.100
x		99%	124.000	123.600	124.000	124.200	123.900	98%	122.500
σ		2%	3.039	2.931	3.093	2.844	3.206	1%	3.608
%RSD		2	2.450	2.371	2.494	2.289	2.588	1	2.944

Reviewed By jas/dl
on 11/22/2011 1:10:46
PM

S3 (S) 11/17/2011 05:21:52 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	17:22:59	94%	257.100	231.600	0.000	25560.000	25270.000	25830.000	25840.000	5362.000
2	17:24:07	98%	242.700	229.500	0.000	24800.000	24740.000	25210.000	25290.000	5293.000
3	17:25:15	96%	253.200	275.600	0.000	25100.000	24950.000	25500.000	25550.000	5345.000
x		96%	251.000	245.600	0.000	25150.000	24990.000	25510.000	25560.000	5333.000
σ		2%	7.442	26.000	0.000	377.800	269.200	312.800	276.000	36.160
%RSD		2	2.965	10.590	0.000	1.502	1.077	1.226	1.080	0.678

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:59	246.100	5062.000	0.000	0.000	12700.000	25380.000	25230.000	94%	253.400
2	17:24:07	241.800	4989.000	0.000	0.000	12600.000	25360.000	25280.000	94%	255.900
3	17:25:15	246.900	5021.000	0.000	0.000	12490.000	25120.000	24980.000	94%	244.700
x		244.900	5024.000	0.000	0.000	12600.000	25290.000	25160.000	94%	251.300
σ		2.732	36.760	0.000	0.000	101.400	146.600	161.900	0%	5.878
%RSD		1.115	0.732	0.000	0.000	0.805	0.580	0.643	0	2.339

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:59	250.500	251.000	0.057	12610.000	504.100	12580.000	12590.000	252.200	253.000
2	17:24:07	250.800	251.900	-2.268	12600.000	505.400	12590.000	12650.000	251.300	251.700
3	17:25:15	248.400	249.400	-0.659	12530.000	500.600	12470.000	12470.000	249.500	251.900
x		249.900	250.800	-0.957	12580.000	503.400	12550.000	12570.000	251.000	252.200
σ		1.285	1.295	1.191	44.790	2.482	65.790	94.590	1.387	0.704
%RSD		0.514	0.517	124.500	0.356	0.493	0.524	0.753	0.552	0.279

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:59	509.400	503.100	505.300	250.100	252.700	-0.496	246.200	252.100	-0.315
2	17:24:07	510.300	506.200	506.400	248.500	251.000	-0.513	249.400	250.400	1.452
3	17:25:15	502.600	504.200	497.100	243.900	245.300	-0.315	246.200	244.500	-1.829
x		507.400	504.500	502.900	247.500	249.700	-0.441	247.300	249.000	-0.231
σ		4.229	1.618	5.109	3.211	3.912	0.110	1.871	3.968	1.642
%RSD		0.833	0.321	1.016	1.298	1.567	24.870	0.757	1.594	711.700

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:59	243.800	245.400	244.300	246.000	244.900	-0.003	93%	251.200	250.200
2	17:24:07	242.900	241.700	246.600	245.000	245.400	0.007	94%	249.500	249.600
3	17:25:15	241.100	240.500	242.700	243.000	244.400	0.007	94%	246.200	249.100
x		242.600	242.500	244.500	244.700	244.900	0.004	94%	249.000	249.600
σ		1.391	2.571	1.973	1.516	0.497	0.005	1%	2.538	0.531
%RSD		0.573	1.060	0.807	0.620	0.203	148.300	1	1.019	0.213

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:59	5.691	251.300	250.100	245.800	246.400	245.000	1243.000	1239.000	98%
2	17:24:07	9.191	249.600	249.800	252.100	247.800	246.400	1235.000	1239.000	98%
3	17:25:15	4.645	246.500	248.600	248.700	246.900	245.800	1228.000	1235.000	97%
x		6.509	249.100	249.500	248.900	247.000	245.700	1235.000	1238.000	97%
σ		2.381	2.449	0.756	3.133	0.705	0.692	7.429	2.172	0%
%RSD		36.580	0.983	0.303	1.259	0.285	0.282	0.601	0.175	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:22:59	98%	246.300	247.500	246.600	244.500	245.900	96%	244.100
2	17:24:07	98%	247.100	249.700	249.600	246.400	247.900	96%	246.700
3	17:25:15	97%	249.300	248.100	248.800	247.400	248.000	96%	248.700
x		98%	247.500	248.400	248.300	246.100	247.300	96%	246.500
σ		0%	1.571	1.122	1.552	1.461	1.209	0%	2.266
%RSD		0	0.635	0.452	0.625	0.594	0.489	0	0.919

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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	17:30:51	94%	495.700	490.100	0.000	49840.000	49250.000	50330.000	50500.000	9867.000
2	17:31:59	93%	500.300	486.600	0.000	49500.000	49680.000	50430.000	50350.000	9942.000
3	17:33:07	95%	490.700	484.700	0.000	49310.000	49320.000	50450.000	50650.000	9844.000
x		94%	495.600	487.100	0.000	49550.000	49420.000	50400.000	50500.000	9885.000
σ		1%	4.762	2.711	0.000	265.800	231.900	66.120	149.900	51.170
%RSD		1	0.961	0.557	0.000	0.536	0.469	0.131	0.297	0.518

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:51	486.900	9852.000	0.000	0.000	24670.000	49300.000	49280.000	93%	498.500
2	17:31:59	498.300	9862.000	0.000	0.000	24540.000	49280.000	49070.000	93%	490.700
3	17:33:07	501.500	9878.000	0.000	0.000	24870.000	49490.000	49660.000	93%	507.500
x		495.600	9864.000	0.000	0.000	24690.000	49360.000	49340.000	93%	498.900
σ		7.689	12.960	0.000	0.000	163.700	113.800	299.100	0%	8.409
%RSD		1.552	0.131	0.000	0.000	0.663	0.231	0.606	0	1.685

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:51	494.000	498.700	-4.921	24870.000	994.600	24880.000	24890.000	500.600	498.100
2	17:31:59	493.000	494.400	-1.778	24870.000	992.500	24790.000	24800.000	495.600	491.900
3	17:33:07	497.200	497.200	-4.575	24860.000	996.300	24900.000	24920.000	497.200	495.500
x		494.700	496.700	-3.758	24860.000	994.500	24860.000	24870.000	497.800	495.200
σ		2.173	2.196	1.724	7.736	1.884	58.550	59.920	2.535	3.125
%RSD		0.439	0.442	45.870	0.031	0.190	0.236	0.241	0.509	0.631

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:51	990.200	997.400	997.300	495.400	492.500	-1.431	491.900	492.100	-1.588
2	17:31:59	989.700	989.700	986.600	490.100	481.500	-0.799	489.800	481.000	3.869
3	17:33:07	998.100	1003.000	992.200	496.500	490.400	-0.534	498.000	489.800	1.347
x		992.700	996.800	992.000	494.000	488.100	-0.921	493.200	487.600	1.209
σ		4.714	6.843	5.321	3.434	5.812	0.461	4.269	5.878	2.731
%RSD		0.475	0.687	0.536	0.695	1.191	49.980	0.866	1.205	225.900

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:51	491.200	488.800	489.700	490.700	491.900	0.002	91%	492.800	495.500
2	17:31:59	484.600	489.900	490.300	488.500	486.500	-0.002	91%	511.600	494.800
3	17:33:07	495.800	492.600	490.400	494.500	491.000	0.002	91%	501.800	494.200
x		490.500	490.400	490.100	491.200	489.800	0.001	91%	502.100	494.800
σ		5.628	1.959	0.405	3.018	2.895	0.003	0%	9.428	0.660
%RSD		1.147	0.400	0.083	0.614	0.591	380.300	0	1.878	0.133

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:51	12.060	492.800	496.500	498.600	491.100	494.700	2480.000	2472.000	96%
2	17:31:59	5.579	512.000	493.200	491.900	493.000	490.800	2479.000	2466.000	95%
3	17:33:07	2.292	502.100	495.500	499.500	489.800	490.000	2448.000	2473.000	95%
x		6.643	502.300	495.000	496.600	491.300	491.800	2469.000	2470.000	95%
σ		4.969	9.562	1.704	4.142	1.599	2.510	17.890	3.282	1%
%RSD		74.800	1.904	0.344	0.834	0.325	0.510	0.725	0.133	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:30:51	96%	496.400	496.500	494.200	491.600	493.900	94%	493.700
2	17:31:59	95%	503.000	501.500	498.000	498.000	496.700	93%	494.900
3	17:33:07	95%	495.400	497.200	493.600	495.300	492.900	93%	494.000
x		95%	498.300	498.400	495.300	495.000	494.500	93%	494.200
σ		1%	4.135	2.708	2.350	3.212	1.982	0%	0.628
%RSD		1	0.830	0.543	0.475	0.649	0.401	0	0.127

SS (S) 11/17/2011 05:37:36 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	17:38:44	90%	1007.000	1017.000	0.000	100800.000	100900.000	100000.000	100400.000	20060.000
2	17:39:52	92%	1007.000	1005.000	0.000	100500.000	100300.000	100000.000	99550.000	19970.000
3	17:41:00	93%	991.500	1000.000	0.000	99170.000	99540.000	98840.000	98750.000	19830.000
x		92%	1002.000	1007.000	0.000	100200.000	100300.000	99630.000	99550.000	19950.000
σ		1%	9.012	8.344	0.000	868.100	698.800	682.600	804.500	115.200
%RSD		1	0.900	0.828	0.000	0.867	0.697	0.685	0.808	0.577

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:44	1002.000	20100.000	0.000	0.000	49870.000	98990.000	99700.000	92%	994.300
2	17:39:52	1017.000	20160.000	0.000	0.000	50490.000	101900.000	101000.000	91%	1014.000
3	17:41:00	992.000	19930.000	0.000	0.000	49990.000	99810.000	100100.000	94%	991.800
x		1004.000	20060.000	0.000	0.000	50120.000	100200.000	100300.000	92%	1000.000
σ		12.350	118.800	0.000	0.000	328.100	1481.000	695.200	1%	12.130
%RSD		1.230	0.592	0.000	0.000	0.655	1.478	0.693	1	1.213

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:44	995.500	994.200	-5.974	49670.000	1990.000	49800.000	49800.000	1001.000	1000.000
2	17:39:52	1012.000	1015.000	-5.788	50620.000	2021.000	50460.000	50440.000	1007.000	1005.000
3	17:41:00	1001.000	995.000	-5.508	49830.000	1994.000	49890.000	49890.000	994.200	999.500
x		1003.000	1001.000	-5.757	50040.000	2002.000	50050.000	50040.000	1001.000	1001.000
σ		8.256	11.710	0.235	506.300	16.850	360.000	342.900	6.207	2.983
%RSD		0.823	1.170	4.074	1.012	0.842	0.719	0.685	0.620	0.298

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:44	1998.000	1995.000	1994.000	999.400	1008.000	-1.185	1002.000	1009.000	3.117
2	17:39:52	2008.000	2012.000	2012.000	1007.000	1009.000	-1.258	1002.000	1008.000	0.454
3	17:41:00	1998.000	1993.000	2003.000	1005.000	1002.000	-1.846	1008.000	1003.000	-0.385
x		2001.000	2000.000	2003.000	1004.000	1006.000	-1.429	1004.000	1007.000	1.062
σ		5.845	10.560	8.901	4.121	3.961	0.362	3.498	3.322	1.829
%RSD		0.292	0.528	0.444	0.411	0.394	25.350	0.348	0.330	172.200

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:44	1006.000	1005.000	1007.000	1015.000	1017.000	0.002	88%	1001.000	1009.000
2	17:39:52	1002.000	1007.000	1005.000	995.200	999.500	0.012	89%	1004.000	1000.000
3	17:41:00	1013.000	1009.000	1008.000	1008.000	1004.000	0.002	89%	995.600	999.000
x		1007.000	1007.000	1007.000	1006.000	1007.000	0.006	89%	999.900	1003.000
σ		5.478	1.970	1.261	10.020	9.269	0.005	1%	4.013	5.377
%RSD		0.544	0.196	0.125	1.003	0.921	97.250	1	0.401	0.536

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:44	17.440	1000.000	1004.000	1001.000	1001.000	1007.000	5034.000	5047.000	94%
2	17:39:52	22.400	1003.000	1001.000	999.200	1010.000	1001.000	5010.000	4990.000	95%
3	17:41:00	14.330	995.400	1002.000	1006.000	1005.000	1009.000	5015.000	5019.000	95%
x		18.060	999.700	1003.000	1002.000	1005.000	1006.000	5020.000	5019.000	95%
σ		4.069	4.045	1.410	3.295	4.473	4.255	12.640	28.260	0%
%RSD		22.530	0.405	0.141	0.329	0.445	0.423	0.252	0.563	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	17:38:44	95%	1002.000	997.000	1002.000	1004.000	1002.000	91%	1001.000
2	17:39:52	95%	1006.000	1009.000	1008.000	1011.000	1010.000	91%	1011.000
3	17:41:00	95%	996.400	998.500	998.700	996.200	998.700	93%	1001.000
x		95%	1002.000	1001.000	1003.000	1004.000	1004.000	91%	1004.000
σ		0%	5.011	6.313	4.824	7.400	5.623	1%	5.762
%RSD		0	0.500	0.631	0.481	0.737	0.560	1	0.574

Reviewed By:pswal
On:11/22/2011 1:16:48 PM
Inst ID: PS

ICV13 11/17/2011 06:13:14 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	18:14:22	94%	98.860	528.100	0.000	2122.000	1254.000	1232.000	1223.000	546.900
2	18:15:30	92%	100.600	501.600	0.000	2148.000	1259.000	1234.000	1231.000	548.000
3	18:16:38	95%	95.150	490.700	0.000	2063.000	1226.000	1200.000	1210.000	535.600
x		94%	98.220	506.800	0.000	2111.000	1246.000	1222.000	1221.000	543.500
σ		1%	2.800	19.230	0.000	43.350	17.620	18.890	10.350	6.855
%RSD		2	2.851	3.794	0.000	2.053	1.414	1.546	0.847	1.261
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:22	483.700	-2.544	0.000	0.000	2043.000	2025.000	2022.000	96%	473.800
2	18:15:30	493.400	-8.627	0.000	0.000	2053.000	2087.000	1955.000	95%	464.600
3	18:16:38	482.200	-4.250	0.000	0.000	2014.000	1942.000	1958.000	96%	464.100
x		486.400	-5.140	0.000	0.000	2037.000	2018.000	1978.000	96%	467.500
σ		6.069	3.138	0.000	0.000	20.420	72.890	37.860	0%	5.474
%RSD		1.248	61.040	0.000	0.000	1.003	3.612	1.914	0	1.171
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:22	96.410	96.840	0.349	983.700	98.570	1031.000	986.100	100.200	100.500
2	18:15:30	97.390	98.260	-2.229	976.400	98.510	1027.000	980.300	99.240	101.100
3	18:16:38	95.430	95.960	-0.887	951.400	97.920	1012.000	960.600	98.680	99.180
x		96.410	97.020	-0.922	970.500	98.330	1024.000	975.600	99.390	100.300
σ		0.979	1.164	1.289	16.900	0.360	10.000	13.370	0.790	0.989
%RSD		1.015	1.199	139.800	1.742	0.366	0.977	1.371	0.794	0.986
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:22	101.700	102.500	202.800	194.600	190.000	-0.190	192.700	189.500	-0.209
2	18:15:30	103.600	101.500	201.800	195.900	192.800	-0.583	200.200	192.200	3.331
3	18:16:38	98.680	98.600	198.000	191.200	191.100	-0.300	192.500	190.400	1.474
x		101.300	100.900	200.900	193.900	191.300	-0.358	195.100	190.700	1.532
σ		2.468	2.023	2.535	2.443	1.412	0.202	4.355	1.332	1.771
%RSD		2.436	2.005	1.262	1.260	0.738	56.560	2.232	0.698	115.600
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:22	482.900	476.700	477.400	478.600	476.300	0.007	95%	100.100	99.940
2	18:15:30	476.500	477.100	475.400	474.900	476.000	0.003	96%	97.900	99.500
3	18:16:38	475.100	471.500	464.000	467.400	466.300	-0.002	96%	93.150	97.790
x		478.100	475.100	472.200	473.600	472.900	0.003	96%	97.050	99.070
σ		4.169	3.144	7.235	5.703	5.680	0.004	1%	3.556	1.135
%RSD		0.872	0.662	1.532	1.204	1.201	170.000	1	3.664	1.145
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:14:22	2.358	100.200	99.550	98.620	489.100	190.300	99.040	97.660	98%
2	18:15:30	6.207	98.040	100.300	98.750	486.300	191.000	98.570	98.550	97%
3	18:16:38	10.250	93.270	98.680	96.740	476.700	187.000	96.280	97.060	98%
x		6.270	97.180	99.530	98.040	484.000	189.400	97.960	97.760	98%
σ		3.945	3.554	0.827	1.121	6.537	2.100	1.474	0.752	1%
%RSD		62.910	3.658	0.831	1.144	1.351	1.108	1.504	0.769	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	18:14:22	98%	202.600	201.000	204.800	193.100	198.400	97%	-0.000	
2	18:15:30	98%	202.900	201.600	203.300	190.700	197.800	97%	-0.007	
3	18:16:38	98%	199.400	198.100	202.500	189.000	195.600	98%	-0.005	
x		98%	201.600	200.200	203.500	190.900	197.200	97%	-0.004	
σ		0%	1.920	1.903	1.165	2.037	1.466	0%	0.003	
%RSD		0	0.952	0.950	0.572	1.067	0.743	0	87.320	

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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	18:22:16	97%	0.052	9.696	0.000	51.290	6.214	6.962	3.547	4.832
2	18:23:24	97%	0.243	3.668	0.000	60.760	5.606	6.936	4.268	5.333
3	18:24:32	96%	0.125	6.258	0.000	53.120	6.425	7.052	5.707	4.779
x		96%	0.140	6.541	0.000	55.050	6.082	6.983	4.507	4.981
σ		0%	0.097	3.024	0.000	5.023	0.425	0.061	1.100	0.306
%RSD		1	68.840	46.230	0.000	9.124	6.991	0.871	24.400	6.138
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:16	1.025	-1.327	0.000	0.000	23.360	-3.803	0.173	96%	0.647
2	18:23:24	2.286	-3.172	0.000	0.000	26.880	12.120	0.672	95%	0.870
3	18:24:32	1.390	-0.362	0.000	0.000	18.350	-9.975	-0.680	97%	0.775
x		1.567	-1.620	0.000	0.000	22.870	-0.552	0.055	96%	0.764
σ		0.649	1.428	0.000	0.000	4.286	11.400	0.684	1%	0.112
%RSD		41.420	88.110	0.000	0.000	18.740	2066.000	1244.000	1	14.670
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:16	0.161	0.232	-1.447	5.119	0.145	-1.312	9.778	0.106	0.069
2	18:23:24	0.328	0.193	-2.105	2.447	0.199	-1.106	9.302	0.139	0.061
3	18:24:32	0.308	0.155	-2.175	3.500	0.252	-1.788	8.875	0.148	0.053
x		0.266	0.193	-1.909	3.689	0.199	-1.402	9.318	0.131	0.061
σ		0.091	0.038	0.402	1.346	0.054	0.350	0.452	0.022	0.008
%RSD		34.360	19.880	21.040	36.500	26.930	24.970	4.847	16.860	13.240
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:16	0.117	0.171	-0.065	0.177	0.349	-0.012	-0.412	0.348	-3.376
2	18:23:24	0.115	0.226	-0.118	0.214	0.037	-0.015	1.215	0.036	0.515
3	18:24:32	0.220	0.384	0.077	0.428	0.704	-0.039	0.208	0.701	-3.127
x		0.150	0.260	-0.035	0.273	0.363	-0.022	0.337	0.362	-1.996
σ		0.060	0.110	0.101	0.136	0.334	0.015	0.821	0.333	2.178
%RSD		39.930	42.380	285.400	49.590	91.910	68.750	243.800	91.940	109.100
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:16	0.578	0.815	0.747	0.798	0.868	-0.002	96%	-1.459	0.103
2	18:23:24	0.510	0.615	0.480	0.651	0.632	-0.002	96%	-0.988	0.088
3	18:24:32	0.593	0.643	0.638	0.776	0.746	-0.002	97%	-1.885	0.201
x		0.560	0.691	0.622	0.742	0.749	-0.002	96%	-1.444	0.131
σ		0.044	0.108	0.135	0.079	0.118	0.000	1%	0.449	0.061
%RSD		7.929	15.660	21.630	10.680	15.790	0.838	1	31.060	46.830
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:22:16	0.511	-1.468	0.138	-0.043	1.112	1.033	0.444	0.287	98%
2	18:23:24	0.229	-0.996	0.145	0.018	0.963	0.762	0.205	0.215	97%
3	18:24:32	0.696	-1.893	0.144	-0.036	0.975	0.707	0.366	0.209	99%
x		0.479	-1.452	0.142	-0.020	1.017	0.834	0.338	0.237	98%
σ		0.235	0.449	0.004	0.034	0.083	0.175	0.122	0.044	1%
%RSD		49.110	30.920	2.890	166.300	8.144	20.940	36.090	18.440	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	18:22:16	99%	0.170	0.201	0.206	0.199	0.198	98%	0.043	
2	18:23:24	98%	0.208	0.206	0.163	0.153	0.179	99%	0.034	
3	18:24:32	99%	0.317	0.264	0.282	0.261	0.258	98%	0.042	
x		98%	0.232	0.224	0.217	0.204	0.211	98%	0.039	
σ		1%	0.076	0.035	0.060	0.054	0.041	0%	0.005	
%RSD		1	33.000	15.810	27.830	26.440	19.570	0	12.640	

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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	18:30:10	92%	0.438	6.291	0.000	99240.000	98290.000	97110.000	96550.000	96060.000
2	18:31:18	91%	0.316	4.333	0.000	99980.000	99150.000	97530.000	96780.000	96020.000
3	18:32:25	94%	0.261	5.470	0.000	99150.000	97850.000	96240.000	95770.000	95040.000
x		92%	0.338	5.365	0.000	99460.000	98430.000	96960.000	96370.000	95710.000
σ		1%	0.091	0.983	0.000	456.700	657.700	654.100	534.000	575.600
%RSD		2	26.760	18.320	0.000	0.459	0.668	0.675	0.554	0.602

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:10	34.950	97500.000	0.000	0.000	97660.000	99140.000	99000.000	91%	2048.000
2	18:31:18	33.270	97430.000	0.000	0.000	97270.000	100100.000	98300.000	91%	2066.000
3	18:32:25	33.120	96180.000	0.000	0.000	96680.000	99630.000	98140.000	92%	2072.000
x		33.780	97040.000	0.000	0.000	97210.000	99610.000	98480.000	91%	2062.000
σ		1.016	743.300	0.000	0.000	492.700	455.700	460.700	1%	12.130
%RSD		3.007	0.766	0.000	0.000	0.507	0.458	0.468	1	0.589

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:10	0.032	20.210	42.490	92250.000	7.999	96730.000	96070.000	1.194	5.695
2	18:31:18	0.058	19.920	46.810	93020.000	7.932	96610.000	96920.000	1.199	6.122
3	18:32:25	0.110	20.400	48.600	92570.000	7.995	97200.000	96570.000	1.309	6.008
x		0.067	20.180	45.970	92610.000	7.976	96850.000	96520.000	1.234	5.942
σ		0.040	0.241	3.141	387.100	0.037	315.300	429.400	0.065	0.221
%RSD		59.430	1.196	6.832	0.418	0.470	0.326	0.445	5.259	3.722

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:10	8.230	8.629	12.310	0.336	0.154	0.242	1.039	0.153	-0.667
2	18:31:18	7.941	8.333	13.290	0.244	-0.565	0.304	1.114	-0.565	2.664
3	18:32:25	7.898	8.649	12.100	0.417	-0.178	0.235	0.222	-0.177	0.708
x		8.023	8.537	12.570	0.332	-0.196	0.260	0.791	-0.196	0.902
σ		0.181	0.177	0.633	0.086	0.360	0.038	0.495	0.359	1.674
%RSD		2.253	2.071	5.035	26.030	183.200	14.710	62.520	183.100	185.600

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:10	1976.000	1987.000	1991.000	1975.000	1990.000	0.031	90%	-2.594	0.083
2	18:31:18	1994.000	1981.000	1986.000	1983.000	1987.000	0.022	90%	-1.904	0.078
3	18:32:25	1983.000	1985.000	1987.000	1985.000	1988.000	0.003	90%	-1.026	0.085
x		1985.000	1984.000	1988.000	1981.000	1988.000	0.019	90%	-1.841	0.082
σ		9.014	2.698	2.558	5.220	1.858	0.014	0%	0.786	0.003
%RSD		0.454	0.136	0.129	0.264	0.093	76.750	0	42.670	4.004

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:10	17.830	-2.615	0.071	0.288	0.604	1.544	1.177	1.177	97%
2	18:31:18	15.620	-1.926	0.081	0.184	0.527	1.386	1.189	1.309	97%
3	18:32:25	16.980	-1.048	0.047	0.001	0.537	1.359	1.576	1.278	97%
x		16.810	-1.863	0.066	0.158	0.556	1.429	1.314	1.255	97%
σ		1.112	0.786	0.017	0.145	0.042	0.100	0.228	0.069	0%
%RSD		6.614	42.160	26.440	92.100	7.487	7.000	17.310	5.520	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:30:10	96%	0.202	0.219	4.836	4.126	4.432	92%	0.005
2	18:31:18	97%	0.166	0.141	4.912	3.995	4.417	93%	0.004
3	18:32:25	97%	0.118	0.123	4.751	4.083	4.358	93%	-0.000
x		97%	0.162	0.161	4.833	4.068	4.402	93%	0.003
σ		0%	0.042	0.051	0.081	0.067	0.040	1%	0.003
%RSD		0	26.010	31.630	1.672	1.642	0.898	1	99.140

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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	18:38:04	93%	20.330	1.217	0.000	100200.000	97880.000	96550.000	96220.000	95050.000
2	18:39:12	95%	20.120	4.754	0.000	98350.000	96690.000	95070.000	94870.000	93280.000
3	18:40:21	94%	19.850	0.876	0.000	98980.000	97350.000	95970.000	94710.000	93770.000
x		94%	20.100	2.282	0.000	99170.000	97310.000	95860.000	95260.000	94030.000
σ		1%	0.245	2.147	0.000	922.800	595.700	741.900	828.200	912.000
%RSD		1	1.217	94.090	0.000	0.931	0.612	0.774	0.869	0.970
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:04	33.220	96430.000	0.000	0.000	97260.000	99210.000	98710.000	92%	2083.000
2	18:39:12	35.010	94720.000	0.000	0.000	95380.000	96650.000	96610.000	94%	2028.000
3	18:40:21	34.680	94800.000	0.000	0.000	96100.000	97840.000	97340.000	93%	2048.000
x		34.300	95310.000	0.000	0.000	96250.000	97900.000	97560.000	93%	2053.000
σ		0.954	962.600	0.000	0.000	948.600	1280.000	1067.000	1%	28.220
%RSD		2.779	1.010	0.000	0.000	0.986	1.307	1.093	1	1.375
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:04	17.750	40.480	49.720	92090.000	27.680	96720.000	96420.000	20.650	26.530
2	18:39:12	18.930	39.970	51.730	91420.000	27.160	94970.000	95670.000	21.030	26.810
3	18:40:21	18.390	39.830	54.120	91270.000	27.260	96190.000	95220.000	20.350	26.040
x		18.350	40.090	51.860	91590.000	27.370	95960.000	95770.000	20.680	26.460
σ		0.591	0.339	2.200	438.200	0.274	898.500	605.200	0.342	0.389
%RSD		3.217	0.847	4.243	0.478	1.001	0.936	0.632	1.656	1.469
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:04	27.570	28.990	32.080	19.550	18.080	0.373	18.300	18.050	5.004
2	18:39:12	27.410	26.860	31.490	18.730	19.400	0.429	21.070	19.390	3.091
3	18:40:21	27.880	28.160	32.820	19.870	19.920	0.155	19.290	19.890	1.677
x		27.620	28.000	32.130	19.380	19.130	0.319	19.550	19.110	3.257
σ		0.237	1.073	0.667	0.590	0.950	0.145	1.404	0.953	1.670
%RSD		0.856	3.831	2.077	3.042	4.965	45.310	7.182	4.988	51.270
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:04	1969.000	1991.000	1981.000	1978.000	1984.000	0.012	91%	15.990	19.010
2	18:39:12	1964.000	1976.000	1974.000	1976.000	1973.000	0.003	92%	18.680	19.080
3	18:40:21	1950.000	1968.000	1965.000	1969.000	1980.000	0.022	92%	17.660	18.690
x		1961.000	1978.000	1973.000	1974.000	1979.000	0.012	91%	17.440	18.930
σ		10.010	11.710	7.903	4.851	5.084	0.009	0%	1.359	0.205
%RSD		0.511	0.592	0.401	0.246	0.257	74.970	0	7.793	1.081
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:38:04	16.570	15.960	19.410	20.830	0.428	21.130	21.010	21.390	98%
2	18:39:12	14.460	18.650	19.210	19.950	0.391	20.620	20.050	20.960	98%
3	18:40:21	17.380	17.620	19.220	19.270	0.377	20.830	20.500	20.540	99%
x		16.140	17.410	19.280	20.020	0.399	20.860	20.520	20.960	98%
σ		1.510	1.358	0.114	0.785	0.026	0.256	0.482	0.427	0%
%RSD		9.356	7.800	0.590	3.923	6.587	1.229	2.350	2.038	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	18:38:04	99%	20.410	20.390	25.540	22.460	23.920	95%	0.005	
2	18:39:12	99%	20.010	20.350	25.910	23.480	24.230	95%	0.003	
3	18:40:21	99%	20.050	20.120	25.330	22.990	24.040	95%	0.002	
x		99%	20.160	20.290	25.590	22.970	24.060	95%	0.003	
σ		0%	0.217	0.143	0.291	0.513	0.156	0%	0.001	
%RSD		0	1.078	0.703	1.138	2.235	0.648	0	41.390	

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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	18:45:59	94%	-0.010	3.121	0.000	10640.000	10370.000	10380.000	10400.000	9912.000
2	18:47:07	96%	0.278	2.072	0.000	10360.000	10100.000	10100.000	10220.000	9738.000
3	18:48:15	96%	0.003	0.497	0.000	10440.000	10210.000	10230.000	10210.000	9765.000
x		96%	0.090	1.897	0.000	10480.000	10230.000	10240.000	10280.000	9805.000
σ		1%	0.163	1.321	0.000	147.500	133.700	137.300	109.500	93.400
%RSD		1	180.500	69.630	0.000	1.408	1.307	1.342	1.066	0.953
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:59	3.477	9844.000	0.000	0.000	10240.000	10230.000	10200.000	97%	211.000
2	18:47:07	3.446	9705.000	0.000	0.000	10060.000	10050.000	9962.000	97%	203.100
3	18:48:15	4.113	9852.000	0.000	0.000	10090.000	10050.000	9999.000	96%	210.000
x		3.679	9800.000	0.000	0.000	10130.000	10110.000	10060.000	97%	208.000
σ		0.376	82.640	0.000	0.000	94.800	105.700	130.800	0%	4.294
%RSD		10.220	0.843	0.000	0.000	0.936	1.045	1.301	0	2.064
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:59	-0.142	2.565	13.620	10010.000	1.329	10100.000	9974.000	0.144	0.836
2	18:47:07	0.112	2.530	12.100	9880.000	1.237	9801.000	9750.000	0.163	0.768
3	18:48:15	-0.021	2.385	11.860	9966.000	1.199	9970.000	9820.000	0.184	0.734
x		-0.017	2.493	12.530	9953.000	1.255	9958.000	9848.000	0.164	0.779
σ		0.127	0.096	0.953	66.870	0.067	150.400	114.500	0.020	0.052
%RSD		749.800	3.833	7.606	0.672	5.326	1.511	1.162	12.140	6.677
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:59	0.924	0.867	1.848	0.294	0.243	0.033	-0.755	0.242	-1.330
2	18:47:07	0.827	1.078	1.344	0.018	-0.325	0.074	-0.909	-0.324	3.410
3	18:48:15	0.956	1.073	1.571	0.127	0.599	0.048	-0.166	0.596	-0.058
x		0.902	1.006	1.588	0.146	0.172	0.052	-0.610	0.171	0.674
σ		0.067	0.121	0.252	0.139	0.466	0.020	0.393	0.464	2.453
%RSD		7.440	11.980	15.890	94.970	270.600	39.470	64.360	270.800	363.900
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:59	200.800	203.800	201.700	201.600	202.200	0.003	96%	-0.821	0.053
2	18:47:07	196.700	196.700	195.400	195.400	197.600	-0.001	97%	0.791	0.015
3	18:48:15	196.500	199.300	197.400	195.100	195.400	-0.001	98%	-2.370	0.047
x		198.000	199.900	198.200	197.400	198.400	0.000	97%	-0.800	0.038
σ		2.418	3.631	3.245	3.682	3.496	0.003	1%	1.580	0.020
%RSD		1.221	1.816	1.637	1.865	1.762	6374.000	1	197.500	53.360
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:45:59	2.055	-0.833	0.032	-0.022	0.151	0.331	0.188	0.102	100%
2	18:47:07	1.499	0.781	0.047	0.001	0.087	0.231	0.114	0.086	101%
3	18:48:15	3.104	-2.382	0.018	-0.179	0.079	0.196	0.277	0.079	101%
x		2.219	-0.811	0.032	-0.067	0.106	0.253	0.193	0.089	101%
σ		0.815	1.582	0.014	0.098	0.039	0.070	0.081	0.012	1%
%RSD		36.710	195.000	44.940	147.100	37.220	27.830	42.170	13.490	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	18:45:59	100%	0.054	0.053	0.533	0.444	0.479	99%	-0.007	
2	18:47:07	101%	0.048	0.046	0.576	0.450	0.475	100%	-0.009	
3	18:48:15	102%	0.036	0.045	0.549	0.483	0.497	100%	-0.011	
x		101%	0.046	0.048	0.553	0.459	0.484	100%	-0.009	
σ		1%	0.009	0.004	0.022	0.021	0.012	1%	0.002	
%RSD		1	20.070	8.739	3.949	4.548	2.395	1	24.030	

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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	18:53:54	96%	2.150	-0.140	0.000	10320.000	10120.000	10100.000	10190.000	9686.000
2	18:55:02	97%	2.275	3.321	0.000	10310.000	10040.000	10040.000	10030.000	9587.000
3	18:56:10	97%	2.314	2.666	0.000	10230.000	10040.000	10070.000	10010.000	9568.000
x		97%	2.246	1.949	0.000	10290.000	10070.000	10070.000	10080.000	9614.000
σ		1%	0.086	1.839	0.000	49.770	49.050	30.380	96.920	63.320
%RSD		1	3.814	94.350	0.000	0.484	0.487	0.302	0.962	0.659

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:54	3.125	9721.000	0.000	0.000	10040.000	10050.000	9971.000	97%	211.700
2	18:55:02	1.441	9758.000	0.000	0.000	9912.000	9955.000	9879.000	98%	204.200
3	18:56:10	1.376	9636.000	0.000	0.000	9950.000	10040.000	9814.000	98%	203.800
x		1.981	9705.000	0.000	0.000	9968.000	10020.000	9888.000	98%	206.500
σ		0.992	62.860	0.000	0.000	66.640	53.070	79.010	0%	4.450
%RSD		50.070	0.648	0.000	0.000	0.669	0.530	0.799	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	18:53:54	3.016	4.322	8.695	9893.000	2.932	9902.000	9801.000	2.022	3.185
2	18:55:02	2.710	4.442	8.629	9716.000	2.810	9822.000	9758.000	2.229	2.663
3	18:56:10	1.411	4.064	9.961	9780.000	2.887	9771.000	9633.000	2.166	2.751
x		2.379	4.276	9.095	9796.000	2.876	9831.000	9731.000	2.139	2.866
σ		0.852	0.193	0.751	89.580	0.062	66.130	87.540	0.106	0.279
%RSD		35.810	4.515	8.255	0.914	2.140	0.673	0.900	4.961	9.743

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:54	2.816	2.909	3.389	1.914	1.415	0.054	1.421	1.410	1.990
2	18:55:02	2.948	2.721	3.030	2.202	1.452	0.030	1.733	1.447	3.238
3	18:56:10	2.895	3.003	3.484	1.348	1.608	0.130	1.501	1.604	-0.479
x		2.886	2.878	3.301	1.822	1.492	0.071	1.552	1.487	1.583
σ		0.067	0.144	0.240	0.434	0.103	0.052	0.162	0.103	1.892
%RSD		2.307	4.991	7.266	23.840	6.882	72.840	10.430	6.918	119.500

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:54	196.000	196.900	198.400	196.900	195.700	-0.001	98%	0.971	1.898
2	18:55:02	196.000	197.300	192.000	195.600	195.400	-0.001	99%	0.662	2.010
3	18:56:10	193.900	195.700	192.900	193.400	197.500	-0.001	98%	1.040	2.063
x		195.300	196.600	194.400	195.300	196.200	-0.001	98%	0.891	1.990
σ		1.243	0.836	3.466	1.747	1.157	0.000	1%	0.201	0.084
%RSD		0.636	0.425	1.783	0.895	0.590	1.093	1	22.560	4.211

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:54	1.660	0.959	1.956	1.826	0.109	2.066	1.830	1.984	102%
2	18:55:02	1.773	0.652	1.953	2.083	0.087	2.060	2.353	2.147	102%
3	18:56:10	2.470	1.030	2.026	1.787	0.035	2.028	1.980	2.100	102%
x		1.968	0.880	1.978	1.899	0.077	2.051	2.055	2.077	102%
σ		0.439	0.201	0.041	0.161	0.038	0.020	0.269	0.084	0%
%RSD		22.310	22.780	2.082	8.454	49.040	0.997	13.100	4.050	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	18:53:54	102%	2.081	2.031	2.567	2.246	2.426	101%	-0.009
2	18:55:02	103%	2.010	2.053	2.601	2.366	2.463	101%	-0.013
3	18:56:10	102%	2.018	2.030	2.470	2.425	2.407	101%	-0.013
x		102%	2.036	2.038	2.546	2.346	2.432	101%	-0.011
σ		0%	0.039	0.013	0.068	0.091	0.028	0%	0.002
%RSD		0	1.909	0.637	2.666	3.876	1.165	0	21.850

Reviewed By jaswal On 11/22/2011 1:16:48 PM Inst Id *Pe

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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	19:01:48	95%	504.000	474.900	0.000	51120.000	50270.000	50970.000	48890.000	9893.000
2	19:02:56	95%	500.300	499.700	0.000	50910.000	50020.000	50860.000	48880.000	9724.000
3	19:04:04	98%	478.800	496.000	0.000	49750.000	48980.000	50050.000	49360.000	9615.000
x		96%	494.400	490.200	0.000	50590.000	49760.000	50630.000	49040.000	9744.000
σ		2%	13.610	13.350	0.000	741.300	681.000	504.400	275.200	139.900
%RSD		2	2.752	2.724	0.000	1.465	1.369	0.996	0.561	1.436

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:48	504.300	9851.000	0.000	0.000	25000.000	50300.000	49980.000	96%	497.200
2	19:02:56	486.800	9751.000	0.000	0.000	24860.000	49760.000	49450.000	97%	494.100
3	19:04:04	485.000	9576.000	0.000	0.000	24710.000	50240.000	49410.000	96%	492.200
x		492.000	9726.000	0.000	0.000	24860.000	50100.000	49610.000	96%	494.500
σ		10.640	139.300	0.000	0.000	146.500	296.000	321.500	1%	2.521
%RSD		2.162	1.432	0.000	0.000	0.589	0.591	0.648	1	0.510

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:48	494.800	496.800	-0.123	24970.000	995.600	25100.000	25010.000	497.900	501.600
2	19:02:56	491.300	495.400	-0.928	24810.000	992.500	24860.000	24540.000	494.300	490.900
3	19:04:04	493.500	493.400	-3.396	24920.000	994.800	25000.000	24820.000	494.400	496.000
x		493.200	495.200	-1.483	24900.000	994.300	24990.000	24790.000	495.500	496.200
σ		1.748	1.732	1.706	78.840	1.637	118.000	237.800	2.068	5.332
%RSD		0.354	0.350	115.000	0.317	0.165	0.472	0.959	0.417	1.075

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:48	997.300	1002.000	1012.000	488.500	483.800	0.016	499.400	482.700	2.915
2	19:02:56	988.800	993.000	998.500	496.300	498.600	-1.141	490.900	497.800	-2.025
3	19:04:04	994.700	992.800	1012.000	498.300	498.600	-1.285	489.800	497.700	0.495
x		993.600	995.800	1008.000	494.400	493.700	-0.803	493.400	492.700	0.462
σ		4.351	5.024	8.046	5.188	8.527	0.714	5.261	8.673	2.470
%RSD		0.438	0.505	0.798	1.049	1.727	88.820	1.066	1.760	535.200

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:48	487.600	492.300	491.400	497.300	492.400	-0.001	96%	489.600	494.700
2	19:02:56	499.900	488.400	488.900	488.400	492.200	-0.001	96%	502.900	493.700
3	19:04:04	482.900	495.000	495.200	495.700	494.300	-0.001	95%	500.200	496.500
x		490.100	491.900	491.800	493.800	493.000	-0.001	96%	497.600	494.900
σ		8.826	3.280	3.175	4.718	1.181	0.000	0%	7.053	1.401
%RSD		1.801	0.667	0.646	0.956	0.240	1.183	0	1.417	0.283

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:48	9.233	489.800	496.900	499.800	496.300	493.000	2465.000	2476.000	100%
2	19:02:56	6.568	503.100	496.700	500.100	496.000	494.500	2459.000	2470.000	101%
3	19:04:04	4.937	500.200	498.500	503.800	494.900	494.200	2448.000	2455.000	101%
x		6.913	497.700	497.400	501.200	495.700	493.900	2457.000	2467.000	101%
σ		2.169	6.999	1.010	2.220	0.717	0.762	8.947	10.980	0%
%RSD		31.380	1.406	0.203	0.443	0.145	0.154	0.364	0.445	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:01:48	100%	500.100	502.800	503.700	500.500	499.300	97%	503.900
2	19:02:56	101%	497.600	498.500	496.800	497.900	496.700	98%	497.300
3	19:04:04	100%	495.400	499.300	497.300	498.700	495.100	98%	496.300
x		101%	497.700	500.200	499.300	499.000	497.000	98%	499.200
σ		0%	2.350	2.270	3.868	1.321	2.137	0%	4.120
%RSD		0	0.472	0.454	0.775	0.265	0.430	0	0.825

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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	19:09:40	98%	0.338	7.978	0.000	110.600	13.640	13.130	13.640	7.658
2	19:10:49	93%	0.064	7.068	0.000	121.000	10.510	10.670	9.248	7.161
3	19:11:57	98%	0.013	7.346	0.000	98.870	11.470	10.770	10.300	6.852
x		96%	0.138	7.464	0.000	110.200	11.870	11.520	11.060	7.224
σ		3%	0.175	0.466	0.000	11.090	1.606	1.395	2.292	0.406
%RSD		3	126.600	6.245	0.000	10.060	13.530	12.110	20.730	5.627
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:40	-0.857	2.006	0.000	0.000	24.170	3.195	1.737	98%	-0.033
2	19:10:49	0.043	-4.565	0.000	0.000	21.510	8.573	0.397	99%	0.274
3	19:11:57	-1.647	-5.737	0.000	0.000	19.940	4.955	0.152	99%	-0.001
x		-0.821	-2.765	0.000	0.000	21.870	5.574	0.762	99%	0.080
σ		0.846	4.174	0.000	0.000	2.142	2.742	0.853	1%	0.169
%RSD		103.000	150.900	0.000	0.000	9.795	49.190	112.000	1	211.200
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:40	0.046	0.134	1.488	6.480	0.109	1.362	1.020	0.093	-0.028
2	19:10:49	0.166	0.040	0.368	4.494	0.093	-2.423	-2.888	0.058	0.045
3	19:11:57	-0.008	0.021	0.712	2.397	0.087	0.095	-5.987	0.071	0.129
x		0.068	0.065	0.856	4.457	0.096	-0.322	-2.618	0.074	0.048
σ		0.089	0.060	0.574	2.042	0.011	1.927	3.511	0.018	0.079
%RSD		131.000	93.030	67.010	45.810	11.730	597.900	134.100	23.860	162.000
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:40	0.313	0.166	-0.041	0.083	0.234	0.016	1.216	0.233	-0.924
2	19:10:49	0.146	0.124	-0.203	0.345	0.479	-0.034	0.552	0.477	0.967
3	19:11:57	0.170	0.214	-0.191	-0.138	-0.318	0.042	0.701	-0.317	-0.664
x		0.210	0.168	-0.145	0.097	0.132	0.008	0.823	0.131	-0.207
σ		0.090	0.045	0.090	0.242	0.408	0.039	0.348	0.407	1.025
%RSD		42.960	26.890	62.370	249.000	309.400	481.700	42.340	309.700	495.000
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:40	0.507	0.425	0.447	0.551	0.473	-0.001	100%	0.883	0.162
2	19:10:49	0.523	0.362	0.376	0.261	0.401	-0.001	101%	-2.340	0.081
3	19:11:57	0.400	0.344	0.269	0.343	0.296	0.003	101%	-1.082	0.087
x		0.477	0.377	0.364	0.385	0.390	0.000	100%	-0.846	0.110
σ		0.067	0.043	0.089	0.150	0.089	0.002	1%	1.624	0.045
%RSD		14.040	11.340	24.580	38.960	22.850	878.700	1	192.000	41.110
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:09:40	-0.460	0.878	0.142	0.138	0.575	0.905	0.308	0.401	102%
2	19:10:49	0.790	-2.345	0.083	-0.125	0.529	0.645	0.423	0.394	101%
3	19:11:57	0.288	-1.088	0.092	0.050	0.302	0.534	0.408	0.288	102%
x		0.206	-0.852	0.106	0.021	0.469	0.695	0.380	0.361	102%
σ		0.629	1.624	0.032	0.134	0.146	0.191	0.063	0.064	1%
%RSD		305.100	190.700	30.220	630.500	31.110	27.430	16.550	17.600	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	19:09:40	101%	0.150	0.136	0.091	0.117	0.099	102%	0.090	
2	19:10:49	102%	0.083	0.078	0.075	0.094	0.071	103%	0.060	
3	19:11:57	102%	0.092	0.083	0.052	0.075	0.065	103%	0.071	
x		102%	0.108	0.099	0.072	0.095	0.078	103%	0.074	
σ		0%	0.037	0.032	0.019	0.021	0.018	1%	0.016	
%RSD		0	33.820	32.090	26.620	22.110	23.310	1	21.110	

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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	19:17:33	95%	-0.170	3.419	0.000	107.700	2.038	2.525	1.502	2.519
2	19:18:41	98%	-0.003	3.602	0.000	92.150	1.598	1.837	1.229	3.418
3	19:19:49	99%	0.161	3.531	0.000	105.800	1.605	3.484	0.590	3.492
x		97%	-0.004	3.517	0.000	101.900	1.747	2.616	1.107	3.143
σ		2%	0.166	0.092	0.000	8.459	0.252	0.827	0.468	0.542
%RSD		2	4032.000	2.623	0.000	8.304	14.440	31.620	42.290	17.240
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:33	0.488	-3.604	0.000	0.000	15.330	-14.280	-9.306	99%	0.560
2	19:18:41	-0.051	-5.868	0.000	0.000	19.650	6.991	-9.280	98%	0.392
3	19:19:49	-1.803	-7.376	0.000	0.000	24.240	-10.230	-12.600	98%	0.363
x		-0.455	-5.616	0.000	0.000	19.740	-5.840	-10.390	98%	0.439
σ		1.198	1.899	0.000	0.000	4.458	11.300	1.908	1%	0.106
%RSD		263.300	33.810	0.000	0.000	22.580	193.400	18.350	1	24.200
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:33	0.191	-0.097	-0.555	-0.873	-0.007	-5.534	-6.992	0.004	-0.157
2	19:18:41	-0.073	-0.094	-0.318	-5.734	0.016	-5.177	-9.521	-0.007	0.015
3	19:19:49	-0.094	-0.077	-0.102	-3.812	-0.023	-6.145	-6.848	0.009	-0.126
x		0.008	-0.089	-0.325	-3.473	-0.005	-5.619	-7.787	0.002	-0.089
σ		0.159	0.010	0.227	2.448	0.020	0.490	1.503	0.008	0.091
%RSD		1934.000	11.720	69.770	70.490	416.200	8.713	19.300	419.700	102.300
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:33	0.024	0.088	-0.202	-0.044	0.531	0.019	0.404	0.528	-3.365
2	19:18:41	-0.059	-0.056	-0.033	-0.224	-0.068	0.054	-0.408	-0.068	-0.302
3	19:19:49	0.031	0.040	-0.303	-0.047	0.737	0.019	0.119	0.732	-3.653
x		-0.001	0.024	-0.179	-0.105	0.400	0.030	0.038	0.398	-2.440
σ		0.050	0.074	0.137	0.103	0.418	0.020	0.412	0.416	1.857
%RSD		3824.000	304.900	76.250	98.520	104.500	66.900	1077.000	104.600	76.100
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:33	0.105	0.098	0.119	0.088	0.119	-0.001	101%	-2.651	0.024
2	19:18:41	0.117	0.073	0.150	0.160	0.084	-0.001	101%	-1.277	0.012
3	19:19:49	0.095	0.080	0.078	0.129	0.108	-0.001	101%	-1.799	0.012
x		0.106	0.084	0.116	0.126	0.104	-0.001	101%	-1.909	0.016
σ		0.011	0.013	0.036	0.036	0.018	0.000	0%	0.694	0.007
%RSD		10.710	15.690	31.220	28.710	17.230	1.416	0	36.330	45.310
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:17:33	0.916	-2.659	0.002	-0.209	0.156	0.228	0.006	-0.002	102%
2	19:18:41	0.232	-1.286	0.019	-0.116	0.166	0.187	-0.017	-0.067	103%
3	19:19:49	0.464	-1.807	0.017	-0.106	0.072	0.134	0.018	-0.035	102%
x		0.537	-1.917	0.013	-0.144	0.131	0.183	0.002	-0.035	102%
σ		0.348	0.693	0.009	0.057	0.052	0.047	0.018	0.032	0%
%RSD		64.710	36.150	73.830	39.930	39.510	25.870	770.400	93.330	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	19:17:33	101%	0.029	0.007	-0.001	0.000	0.001	102%	-0.002	
2	19:18:41	102%	0.019	0.008	-0.013	0.009	-0.003	103%	-0.001	
3	19:19:49	102%	-0.005	-0.003	0.002	0.015	-0.002	103%	-0.005	
x		102%	0.014	0.004	-0.004	0.008	-0.001	102%	-0.003	
σ		1%	0.018	0.006	0.008	0.007	0.002	0%	0.002	
%RSD		1	121.800	153.900	201.100	90.130	163.200	0	71.640	

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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	19:25:25	135%	0.031	1.970	0.000	-30.380	-1.120	-1.567	-2.381	-7.519
2	19:26:33	112%	-0.002	1.285	0.000	39.520	-0.508	-0.920	-1.134	-2.154
3	19:27:41	103%	0.091	2.418	0.000	70.280	-0.656	-0.768	-0.700	-0.345
x		117%	0.040	1.891	0.000	26.470	-0.761	-1.085	-1.405	-3.339
σ		16%	0.047	0.570	0.000	51.580	0.319	0.424	0.873	3.731
%RSD		14	116.900	30.150	0.000	194.900	41.940	39.090	62.100	111.700
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:25:25	-1.357	-10.320	0.000	0.000	-24.860	-13.080	-16.630	112%	0.187
2	19:26:33	-1.482	-11.760	0.000	0.000	-3.544	-6.257	-14.180	105%	0.122
3	19:27:41	1.315	-2.494	0.000	0.000	13.020	-11.030	-14.200	102%	0.286
x		-0.508	-8.191	0.000	0.000	-5.131	-10.120	-15.010	106%	0.198
σ		1.580	4.986	0.000	0.000	18.990	3.501	1.408	5%	0.083
%RSD		311.000	60.880	0.000	0.000	370.100	34.590	9.381	5	41.730
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:25:25	-0.073	-0.112	-0.963	-3.780	-0.018	-9.275	-10.440	-0.009	-0.042
2	19:26:33	-0.253	0.046	-0.753	-3.218	-0.040	-7.564	-7.957	0.002	0.049
3	19:27:41	0.103	0.021	-1.408	-5.763	-0.045	-7.002	-6.768	-0.003	0.030
x		-0.074	-0.015	-1.041	-4.253	-0.034	-7.947	-8.388	-0.003	0.013
σ		0.178	0.085	0.334	1.337	0.015	1.184	1.873	0.006	0.048
%RSD		239.500	577.800	32.120	31.440	42.820	14.900	22.330	173.700	385.000
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:25:25	-0.048	-0.017	-0.354	0.112	0.194	-0.017	0.245	0.193	-1.363
2	19:26:33	-0.028	-0.027	-0.266	0.158	0.307	-0.031	1.004	0.305	-2.565
3	19:27:41	-0.030	-0.007	-0.206	0.048	0.076	-0.002	0.546	0.075	-0.766
x		-0.035	-0.017	-0.276	0.106	0.193	-0.017	0.598	0.191	-1.565
σ		0.011	0.010	0.074	0.055	0.116	0.014	0.382	0.115	0.916
%RSD		30.970	58.140	27.030	52.040	59.990	85.830	63.870	60.130	58.550
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:25:25	0.156	0.057	0.047	0.073	0.062	-0.001	116%	-2.861	-0.009
2	19:26:33	0.038	0.010	0.064	0.062	0.047	-0.001	108%	-1.527	-0.002
3	19:27:41	0.052	0.036	0.004	0.102	0.011	-0.001	106%	-1.764	0.000
x		0.082	0.035	0.038	0.079	0.040	-0.001	110%	-2.051	-0.004
σ		0.064	0.023	0.031	0.021	0.026	0.000	5%	0.712	0.005
%RSD		78.520	67.190	81.260	26.440	65.760	1.571	5	34.710	129.600
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:25:25	0.990	-2.884	0.001	-0.218	0.093	0.137	-0.019	-0.083	126%
2	19:26:33	0.388	-1.540	0.007	-0.134	0.036	0.066	-0.012	-0.078	113%
3	19:27:41	0.429	-1.771	-0.005	-0.131	0.059	0.053	-0.042	-0.052	107%
x		0.602	-2.065	0.001	-0.161	0.063	0.085	-0.024	-0.071	115%
σ		0.336	0.718	0.006	0.050	0.029	0.045	0.016	0.017	10%
%RSD		55.810	34.790	672.600	30.790	45.950	53.220	65.620	23.860	8
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	19:25:25	126%	-0.005	-0.007	-0.020	-0.004	-0.017	127%	-0.009	
2	19:26:33	114%	0.001	-0.006	-0.043	0.008	-0.017	114%	-0.013	
3	19:27:41	107%	-0.011	-0.001	-0.014	0.006	-0.012	108%	-0.010	
x		115%	-0.005	-0.005	-0.026	0.003	-0.015	116%	-0.011	
σ		9%	0.006	0.003	0.015	0.006	0.003	10%	0.002	
%RSD		8	116.100	67.620	58.550	196.000	20.000	9	16.090	

Reviewed By jaswal
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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	19:33:19	99%	0.110	0.428	0.000	104.500	-0.772	0.077	-1.347	3.125
2	19:34:27	98%	0.078	0.746	0.000	94.840	-0.787	-0.869	-1.757	2.833
3	19:35:34	97%	-0.088	0.781	0.000	86.070	-0.552	-0.078	-0.302	0.868
x		98%	0.033	0.652	0.000	95.150	-0.704	-0.290	-1.136	2.275
σ		1%	0.106	0.194	0.000	9.245	0.131	0.508	0.750	1.227
%RSD		1	318.200	29.800	0.000	9.716	18.660	175.100	66.060	53.940
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:33:19	-0.204	-6.722	0.000	0.000	17.380	12.200	-9.415	100%	0.272
2	19:34:27	-0.879	-8.402	0.000	0.000	9.831	-5.245	-18.510	101%	0.223
3	19:35:34	0.677	-11.480	0.000	0.000	10.370	0.105	-13.230	102%	0.179
x		-0.135	-8.868	0.000	0.000	12.520	2.352	-13.720	101%	0.224
σ		0.780	2.412	0.000	0.000	4.212	8.935	4.567	1%	0.046
%RSD		577.600	27.200	0.000	0.000	33.630	379.900	33.290	1	20.650
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:33:19	0.354	-0.053	-2.224	-1.256	-0.019	-7.536	-8.060	-0.006	-0.117
2	19:34:27	0.181	-0.115	-2.093	-2.430	-0.054	-7.572	-9.621	0.018	-0.155
3	19:35:34	-0.031	-0.052	-1.863	-4.738	-0.032	-8.470	-11.940	-0.003	-0.089
x		0.168	-0.074	-2.060	-2.808	-0.035	-7.859	-9.873	0.003	-0.120
σ		0.193	0.036	0.183	1.772	0.018	0.529	1.950	0.013	0.033
%RSD		115.100	49.290	8.878	63.100	51.890	6.735	19.760	448.000	27.550
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:33:19	-0.002	0.005	-0.382	-0.121	-0.264	0.017	-0.287	-0.263	-1.856
2	19:34:27	-0.070	-0.061	-0.261	0.025	0.177	-0.005	0.207	0.176	-4.158
3	19:35:34	0.017	-0.056	-0.325	0.162	0.564	-0.039	-0.165	0.562	-1.590
x		-0.018	-0.037	-0.323	0.022	0.159	-0.009	-0.082	0.158	-2.535
σ		0.046	0.037	0.060	0.142	0.414	0.028	0.257	0.412	1.412
%RSD		249.700	98.610	18.720	648.900	260.300	319.400	314.600	260.300	55.720
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:33:19	-0.022	0.045	0.022	0.026	0.069	-0.001	103%	-0.574	-0.003
2	19:34:27	-0.066	0.026	0.058	0.036	0.058	0.003	103%	1.936	-0.005
3	19:35:34	0.023	0.032	0.022	0.046	0.020	-0.001	103%	-0.757	0.007
x		-0.022	0.034	0.034	0.036	0.049	0.001	103%	0.202	-0.001
σ		0.044	0.009	0.020	0.010	0.026	0.002	0%	1.505	0.007
%RSD		204.500	27.690	60.170	27.790	53.320	430.800	0	745.300	1039.000
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:33:19	-0.119	-0.579	-0.007	-0.049	0.031	0.111	-0.063	-0.113	105%
2	19:34:27	-1.186	1.932	-0.009	0.103	0.058	0.040	-0.018	-0.100	105%
3	19:35:34	-0.043	-0.761	-0.005	-0.053	0.029	0.008	-0.041	-0.068	104%
x		-0.449	0.197	-0.007	0.000	0.039	0.053	-0.041	-0.094	105%
σ		0.640	1.505	0.002	0.089	0.016	0.052	0.023	0.023	0%
%RSD		142.300	763.500	30.270	47170.000	40.740	98.880	55.100	24.390	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	19:33:19	105%	-0.003	-0.007	-0.024	-0.020	-0.021	105%	-0.012	
2	19:34:27	105%	-0.008	-0.011	-0.037	-0.001	-0.023	104%	-0.011	
3	19:35:34	104%	-0.011	-0.010	-0.029	-0.014	-0.021	104%	-0.012	
x		104%	-0.007	-0.009	-0.030	-0.012	-0.022	104%	-0.012	
σ		1%	0.004	0.002	0.007	0.010	0.001	0%	0.001	
%RSD		1	53.270	20.230	22.830	83.360	3.469	0	4.259	

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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	19:47:25	101%	2.126	8.231	0.000	1157.000	4338.000	4241.000	4182.000	44.800
2	19:48:33	105%	1.852	13.450	0.000	1096.000	4202.000	4104.000	4105.000	44.050
3	19:49:41	105%	1.952	11.060	0.000	1106.000	4236.000	4145.000	4140.000	43.770
x		104%	1.977	10.910	0.000	1120.000	4259.000	4163.000	4142.000	44.200
σ		2%	0.139	2.612	0.000	32.880	70.620	70.450	38.800	0.534
%RSD		2	7.008	23.940	0.000	2.936	1.658	1.692	0.937	1.207
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:25	10.270	-5.508	0.000	0.000	1050.000	952.300	1010.000	104%	8.581
2	19:48:33	8.939	-10.290	0.000	0.000	992.000	1003.000	971.200	107%	9.312
3	19:49:41	9.192	-8.723	0.000	0.000	1025.000	981.400	986.600	105%	9.643
x		9.467	-8.175	0.000	0.000	1022.000	978.800	989.300	106%	9.179
σ		0.707	2.439	0.000	0.000	29.040	25.310	19.580	1%	0.543
%RSD		7.467	29.840	0.000	0.000	2.840	2.585	1.980	1	5.917
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:25	9.617	3.721	-2.190	399.600	2.144	424.600	396.700	2.007	1.981
2	19:48:33	9.362	3.672	-2.186	392.400	2.063	417.700	372.900	2.042	2.193
3	19:49:41	9.639	3.800	-2.976	398.300	2.073	424.600	387.100	1.973	1.899
x		9.539	3.731	-2.451	396.800	2.093	422.300	385.600	2.007	2.024
σ		0.154	0.064	0.455	3.862	0.044	3.999	11.960	0.035	0.152
%RSD		1.616	1.722	18.580	0.974	2.114	0.947	3.103	1.725	7.495
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:25	3.921	4.309	3.939	0.273	10.780	-0.032	9.428	10.720	-1.556
2	19:48:33	3.739	3.716	3.954	0.432	9.521	-0.050	9.529	9.494	1.796
3	19:49:41	4.095	4.238	3.330	0.926	10.080	-0.152	9.619	10.030	-1.319
x		3.918	4.088	3.741	0.544	10.120	-0.078	9.526	10.080	-0.360
σ		0.178	0.324	0.356	0.340	0.630	0.065	0.096	0.616	1.871
%RSD		4.534	7.923	9.512	62.570	6.224	83.210	1.003	6.111	519.900
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:25	9.625	9.729	9.116	8.997	9.410	0.003	107%	-1.539	0.984
2	19:48:33	9.471	9.909	9.203	9.471	9.636	-0.001	107%	-1.642	1.025
3	19:49:41	9.741	9.444	9.802	9.577	9.374	-0.001	108%	-1.004	1.011
x		9.612	9.694	9.374	9.348	9.473	0.001	107%	-1.395	1.007
σ		0.136	0.234	0.374	0.309	0.142	0.002	0%	0.342	0.021
%RSD		1.413	2.417	3.985	3.305	1.499	335.200	0	24.550	2.054
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	19:47:25	0.342	-1.542	1.025	0.395	9.395	3.603	19.710	19.620	107%
2	19:48:33	0.869	-1.644	0.956	0.271	9.950	3.794	19.810	19.100	107%
3	19:49:41	0.756	-1.005	1.109	0.370	9.644	3.592	19.550	19.220	107%
x		0.656	-1.397	1.030	0.345	9.663	3.663	19.690	19.310	107%
σ		0.278	0.344	0.076	0.065	0.278	0.114	0.128	0.273	0%
%RSD		42.370	24.590	7.405	18.870	2.878	3.101	0.651	1.412	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	19:47:25	107%	0.469	0.457	1.957	2.091	2.011	106%	1.923	
2	19:48:33	107%	0.477	0.447	1.903	1.876	1.950	107%	1.941	
3	19:49:41	108%	0.499	0.473	1.992	2.053	2.047	106%	1.916	
x		108%	0.482	0.459	1.951	2.007	2.003	106%	1.927	
σ		0%	0.015	0.013	0.045	0.115	0.049	0%	0.013	
%RSD		0	3.159	2.834	2.288	5.709	2.456	0	0.669	

Reviewed By: [illegible]
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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	20:16:51	102%	7.994	46.630	0.000	4183.000	4052.000	3949.000	3881.000	170.100
2	20:17:59	99%	8.291	39.910	0.000	4289.000	4120.000	4031.000	4012.000	175.800
3	20:19:07	103%	8.016	37.200	0.000	4166.000	4019.000	3936.000	3888.000	169.400
x̄		101%	8.100	41.250	0.000	4213.000	4064.000	3972.000	3927.000	171.800
σ		2%	0.166	4.856	0.000	66.370	51.580	51.550	73.590	3.536
%RSD		2	2.046	11.770	0.000	1.576	1.269	1.298	1.874	2.059

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:51	35.610	-3.994	0.000	0.000	4015.000	4165.000	3926.000	104%	40.030
2	20:17:59	40.790	-5.757	0.000	0.000	4048.000	3830.000	3915.000	105%	38.330
3	20:19:07	36.870	-6.264	0.000	0.000	4071.000	3957.000	3913.000	104%	38.600
x̄		37.750	-5.338	0.000	0.000	4044.000	3984.000	3918.000	104%	38.980
σ		2.702	1.192	0.000	0.000	28.240	169.300	7.196	0%	0.914
%RSD		7.157	22.320	0.000	0.000	0.698	4.249	0.184	0	2.344

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:51	37.950	14.870	-3.769	1563.000	8.093	1638.000	1552.000	7.803	8.178
2	20:17:59	37.870	15.090	-3.755	1564.000	7.998	1647.000	1566.000	8.019	7.824
3	20:19:07	38.900	15.170	-5.324	1561.000	8.272	1646.000	1550.000	7.940	7.738
x̄		38.240	15.050	-4.283	1563.000	8.121	1644.000	1556.000	7.921	7.913
σ		0.576	0.159	0.902	1.383	0.139	4.875	9.030	0.109	0.234
%RSD		1.505	1.054	21.060	0.088	1.709	0.297	0.580	1.378	2.951

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:51	15.860	15.720	14.790	2.309	40.070	-0.320	36.770	39.920	-0.209
2	20:17:59	15.280	15.190	15.800	-0.003	35.530	0.134	37.970	35.420	3.950
3	20:19:07	15.610	15.410	15.470	0.900	37.840	-0.041	38.800	37.670	-4.366
x̄		15.580	15.440	15.350	1.069	37.810	-0.076	37.850	37.670	-0.209
σ		0.291	0.263	0.514	1.165	2.269	0.229	1.024	2.252	4.158
%RSD		1.870	1.706	3.349	109.100	6.002	301.500	2.705	5.979	1993.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:51	38.190	38.220	37.200	36.990	37.500	-0.000	106%	1.737	8.447
2	20:17:59	38.640	37.490	37.240	36.970	37.560	-0.000	105%	1.363	8.419
3	20:19:07	36.520	37.550	38.110	37.110	37.550	-0.000	106%	1.988	8.529
x̄		37.790	37.750	37.520	37.020	37.540	-0.000	106%	1.696	8.465
σ		1.119	0.408	0.510	0.077	0.033	0.000	0%	0.315	0.057
%RSD		2.961	1.081	1.360	0.209	0.087	5.471	0	18.540	0.678

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:51	-0.218	1.738	8.396	1.965	38.120	14.640	77.430	78.200	106%
2	20:17:59	-0.478	1.359	8.498	2.109	38.750	14.720	77.660	76.680	107%
3	20:19:07	0.392	1.989	8.396	2.162	38.130	14.860	76.600	76.970	107%
x̄		-0.102	1.695	8.430	2.079	38.340	14.740	77.230	77.290	107%
σ		0.447	0.317	0.059	0.102	0.362	0.110	0.556	0.806	0%
%RSD		440.200	18.710	0.700	4.923	0.943	0.748	0.720	1.043	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:16:51	106%	1.905	1.865	7.955	7.811	7.897	105%	7.708
2	20:17:59	107%	1.921	1.911	7.950	8.079	8.003	105%	7.728
3	20:19:07	108%	1.895	1.901	7.891	8.010	7.857	107%	7.689
x̄		107%	1.907	1.892	7.932	7.967	7.919	106%	7.708
σ		1%	0.013	0.024	0.036	0.140	0.075	1%	0.020
%RSD		1	0.693	1.287	0.452	1.751	0.948	1	0.255

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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	20:24:00	100%	9.213	37.400	0.000	4197.000	4038.000	3945.000	3933.000	173.500
2	20:25:08	101%	7.957	37.380	0.000	4223.000	4043.000	3946.000	3922.000	172.800
3	20:26:15	100%	8.118	38.720	0.000	4219.000	4046.000	3956.000	3936.000	170.900
x		100%	8.429	37.830	0.000	4213.000	4043.000	3949.000	3930.000	172.400
σ		0%	0.683	0.770	0.000	13.760	4.021	6.014	7.175	1.311
%RSD		0	8.106	2.036	0.000	0.327	0.099	0.152	0.183	0.760
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:00	33.670	-8.638	0.000	0.000	4029.000	3892.000	3875.000	104%	36.610
2	20:25:08	39.240	-8.165	0.000	0.000	4035.000	3846.000	3882.000	104%	36.990
3	20:26:15	37.420	-6.141	0.000	0.000	4015.000	4059.000	3855.000	105%	37.210
x		36.770	-7.648	0.000	0.000	4026.000	3932.000	3871.000	104%	36.940
σ		2.838	1.326	0.000	0.000	10.280	112.200	13.870	0%	0.306
%RSD		7.717	17.340	0.000	0.000	0.255	2.854	0.358	0	0.830
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:00	38.240	15.070	-4.913	1560.000	7.869	1634.000	1564.000	7.802	8.025
2	20:25:08	37.820	15.160	-3.922	1553.000	8.180	1646.000	1541.000	7.706	7.570
3	20:26:15	38.390	14.680	-4.502	1560.000	7.927	1641.000	1571.000	7.957	8.095
x		38.150	14.970	-4.446	1558.000	7.992	1641.000	1559.000	7.822	7.897
σ		0.294	0.258	0.498	3.973	0.165	5.940	15.440	0.127	0.285
%RSD		0.771	1.723	11.210	0.255	2.068	0.362	0.991	1.623	3.614
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:00	15.440	15.610	16.100	1.177	39.670	-0.094	39.270	39.510	0.404
2	20:25:08	15.550	14.990	15.700	1.351	39.490	-0.137	38.940	39.290	-1.545
3	20:26:15	15.530	15.260	16.390	0.474	37.310	0.028	37.740	37.140	1.927
x		15.510	15.290	16.060	1.001	38.830	-0.068	38.650	38.650	0.262
σ		0.062	0.311	0.343	0.464	1.315	0.086	0.802	1.309	1.741
%RSD		0.403	2.036	2.136	46.400	3.387	126.900	2.074	3.387	664.500
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:00	38.230	37.850	37.450	35.840	36.270	-0.000	106%	2.090	8.133
2	20:25:08	38.370	37.350	37.650	37.380	36.600	-0.000	107%	-0.452	8.211
3	20:26:15	36.470	37.810	38.190	37.820	37.490	-0.000	107%	0.148	8.406
x		37.690	37.670	37.760	37.010	36.790	-0.000	107%	0.595	8.250
σ		1.059	0.281	0.385	1.043	0.633	0.000	0%	1.328	0.141
%RSD		2.808	0.745	1.019	2.818	1.720	8.289	0	223.200	1.704
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:24:00	0.397	2.089	8.190	1.876	37.900	14.790	74.780	76.050	107%
2	20:25:08	0.856	-0.453	8.228	1.938	37.480	14.430	76.500	76.670	107%
3	20:26:15	1.132	0.146	8.151	1.599	37.600	14.740	75.700	76.210	108%
x		0.795	0.594	8.190	1.804	37.660	14.650	75.660	76.310	107%
σ		0.371	1.329	0.038	0.181	0.216	0.198	0.862	0.323	0%
%RSD		46.680	223.700	0.468	10.010	0.574	1.353	1.139	0.424	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	20:24:00	107%	1.839	1.883	7.887	7.620	7.751	106%	7.633	
2	20:25:08	107%	1.812	1.824	7.680	7.826	7.794	107%	7.675	
3	20:26:15	108%	1.846	1.885	7.848	7.759	7.797	106%	7.630	
x		108%	1.832	1.864	7.805	7.735	7.780	106%	7.646	
σ		0%	0.018	0.035	0.110	0.105	0.026	0%	0.025	
%RSD		0	0.961	1.863	1.410	1.359	0.329	0	0.326	

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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	20:31:55	100%	1.822	10.800	0.000	1142.000	1048.000	1031.000	1022.000	46.350
2	20:33:03	98%	2.430	10.050	0.000	1158.000	1069.000	1036.000	1024.000	46.610
3	20:34:11	100%	2.251	9.245	0.000	1138.000	1049.000	1034.000	1011.000	46.210
x		100%	2.167	10.030	0.000	1146.000	1055.000	1034.000	1019.000	46.390
σ		1%	0.313	0.775	0.000	10.370	11.650	2.369	7.115	0.202
%RSD		1	14.420	7.731	0.000	0.905	1.104	0.229	0.698	0.435

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:55	9.723	-7.004	0.000	0.000	1041.000	956.300	986.200	103%	9.658
2	20:33:03	9.039	-9.427	0.000	0.000	1041.000	1088.000	982.200	103%	9.218
3	20:34:11	6.069	-9.763	0.000	0.000	1043.000	913.000	998.300	104%	9.835
x		8.277	-8.731	0.000	0.000	1042.000	985.900	988.900	103%	9.570
σ		1.943	1.505	0.000	0.000	1.007	91.320	8.360	0%	0.317
%RSD		23.470	17.240	0.000	0.000	0.097	9.263	0.845	0	3.317

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:55	9.655	3.998	-4.294	397.400	2.078	420.000	394.700	2.026	1.740
2	20:33:03	9.690	3.923	-4.468	400.100	1.966	416.500	396.200	2.004	1.973
3	20:34:11	9.777	4.062	-4.801	401.300	2.023	418.400	386.900	1.948	1.831
x		9.707	3.994	-4.521	399.600	2.022	418.300	392.600	1.993	1.848
σ		0.063	0.070	0.258	1.961	0.056	1.748	4.968	0.040	0.117
%RSD		0.648	1.747	5.704	0.491	2.782	0.418	1.266	2.025	6.345

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:55	4.097	4.370	4.401	2.363	10.470	-0.090	10.070	10.410	0.137
2	20:33:03	3.885	4.319	4.435	1.781	8.667	0.024	10.590	8.623	3.602
3	20:34:11	4.337	3.993	3.828	2.352	10.150	-0.108	11.430	10.100	0.697
x		4.107	4.227	4.221	2.165	9.762	-0.058	10.700	9.710	1.478
σ		0.226	0.204	0.341	0.333	0.961	0.072	0.691	0.954	1.860
%RSD		5.503	4.835	8.086	15.380	9.845	123.400	6.458	9.827	125.800

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:55	9.145	9.108	9.336	9.098	9.282	0.008	106%	2.085	2.048
2	20:33:03	9.444	8.830	9.207	9.541	9.151	-0.000	106%	1.966	1.971
3	20:34:11	9.215	9.368	9.702	9.446	9.118	-0.000	107%	1.726	1.914
x		9.268	9.102	9.415	9.362	9.184	0.003	106%	1.926	1.978
σ		0.157	0.269	0.257	0.233	0.087	0.005	0%	0.183	0.067
%RSD		1.689	2.959	2.730	2.493	0.944	177.600	0	9.500	3.411

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:55	-0.963	2.087	1.918	2.020	9.662	3.905	18.980	18.690	107%
2	20:33:03	-0.973	1.966	1.940	2.231	9.635	3.848	18.850	19.400	107%
3	20:34:11	-0.324	1.726	1.951	2.047	9.595	3.883	20.110	19.660	108%
x		-0.754	1.926	1.936	2.099	9.630	3.879	19.310	19.250	107%
σ		0.372	0.184	0.017	0.115	0.034	0.029	0.694	0.505	0%
%RSD		49.370	9.527	0.870	5.457	0.351	0.735	3.596	2.625	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:31:55	106%	2.032	1.961	1.979	2.022	1.987	106%	1.941
2	20:33:03	107%	2.011	1.962	1.987	1.887	1.984	107%	1.904
3	20:34:11	107%	2.008	1.967	1.932	1.897	1.930	107%	1.889
x		107%	2.017	1.963	1.966	1.935	1.967	107%	1.911
σ		1%	0.013	0.003	0.030	0.075	0.032	1%	0.026
%RSD		0	0.643	0.146	1.526	3.887	1.628	0	1.382

Reviewed By: [redacted]

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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	20:39:50	96%	0.281	271.700	0.000	50030.000	25050.000	25330.000	25130.000	76.610
2	20:40:58	96%	0.001	296.400	0.000	49800.000	25070.000	25240.000	25140.000	74.350
3	20:42:06	97%	0.168	265.300	0.000	49560.000	24750.000	24920.000	24910.000	74.750
x		96%	0.150	277.800	0.000	49800.000	24960.000	25160.000	25060.000	75.240
σ		1%	0.141	16.420	0.000	236.400	176.600	215.400	130.900	1.203
%RSD		1	93.840	5.910	0.000	0.475	0.708	0.856	0.523	1.599
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:50	16920.000	108.600	0.000	0.000	11050.000	34860.000	35040.000	100%	2.694
2	20:40:58	16920.000	112.000	0.000	0.000	10980.000	35580.000	34990.000	101%	2.203
3	20:42:06	16790.000	101.400	0.000	0.000	10990.000	35180.000	34990.000	101%	2.522
x		16880.000	107.300	0.000	0.000	11010.000	35210.000	35010.000	100%	2.473
σ		73.940	5.371	0.000	0.000	34.840	363.300	28.990	1%	0.249
%RSD		0.438	5.004	0.000	0.000	0.317	1.032	0.083	1	10.080
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:50	0.629	2.136	-0.328	2252.000	519.200	2381.000	2354.000	12.910	23.070
2	20:40:58	0.895	1.942	-0.024	2265.000	522.300	2388.000	2369.000	12.890	21.440
3	20:42:06	0.790	2.127	0.352	2257.000	519.200	2381.000	2341.000	12.650	23.100
x		0.771	2.068	0.000	2258.000	520.300	2383.000	2355.000	12.810	22.530
σ		0.134	0.110	0.340	6.986	1.809	4.242	13.890	0.143	0.951
%RSD		17.380	5.305	0.000	0.309	0.348	0.178	0.590	1.114	4.218
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:50	3.674	3.417	92.580	1.780	0.132	0.057	1.814	0.132	1.064
2	20:40:58	3.733	3.910	95.880	2.245	0.280	0.003	0.436	0.279	1.981
3	20:42:06	3.396	3.116	91.460	2.507	1.670	-0.060	-0.361	1.666	-3.045
x		3.601	3.481	93.300	2.177	0.694	-0.000	0.630	0.692	-0.000
σ		0.180	0.401	2.299	0.368	0.849	0.058	1.100	0.847	2.676
%RSD		4.998	11.510	2.464	16.920	122.300	0.000	174.700	122.300	0.000
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:50	1.479	0.269	0.441	0.223	0.295	0.000	100%	-0.684	0.023
2	20:40:58	1.458	0.164	0.348	0.232	0.171	0.000	100%	-1.141	0.003
3	20:42:06	1.194	0.221	0.329	0.241	0.253	0.000	100%	-0.954	-0.007
x		1.377	0.218	0.373	0.232	0.240	0.000	100%	-0.926	0.006
σ		0.159	0.053	0.060	0.009	0.063	0.000	0%	0.230	0.015
%RSD		11.530	24.190	16.030	3.980	26.340	0.000	0	24.830	239.200
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:39:50	-0.216	-0.699	-0.004	0.097	0.402	0.736	161.700	163.500	104%
2	20:40:58	0.053	-1.155	0.008	0.028	0.388	0.688	161.800	161.600	104%
3	20:42:06	0.163	-0.968	0.015	0.065	0.334	0.638	163.400	161.600	105%
x		0.000	-0.941	0.006	0.063	0.375	0.687	162.300	162.300	104%
σ		0.195	0.229	0.010	0.034	0.036	0.049	0.980	1.087	0%
%RSD		0.000	24.370	154.600	54.170	9.616	7.092	0.604	0.670	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	20:39:50	105%	0.033	0.023	3.154	2.824	2.985	102%	0.044	
2	20:40:58	105%	0.024	0.022	3.073	2.867	2.955	103%	0.033	
3	20:42:06	105%	0.038	0.014	3.074	2.974	3.027	103%	0.034	
x		105%	0.032	0.020	3.101	2.888	2.989	103%	0.037	
σ		0%	0.007	0.005	0.047	0.078	0.037	0%	0.006	
%RSD		0	21.630	22.950	1.504	2.684	1.225	0	16.160	

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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	20:47:46	98%	0.149	114.400	0.000	61030.000	20500.000	20550.000	20380.000	59.980
2	20:48:54	101%	0.017	116.900	0.000	59790.000	19850.000	19990.000	19840.000	55.780
3	20:50:02	101%	0.086	130.600	0.000	59960.000	19870.000	20040.000	20090.000	58.240
x		100%	0.084	120.700	0.000	60260.000	20070.000	20190.000	20100.000	58.000
σ		2%	0.066	8.729	0.000	669.600	370.400	311.700	269.200	2.109
%RSD		2	78.740	7.234	0.000	1.111	1.846	1.544	1.339	3.636

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:46	8355.000	185.500	0.000	0.000	7472.000	61110.000	60700.000	102%	2.887
2	20:48:54	8159.000	176.400	0.000	0.000	7381.000	61070.000	60510.000	102%	3.049
3	20:50:02	8195.000	182.700	0.000	0.000	7407.000	60770.000	60570.000	103%	2.828
x		8236.000	181.500	0.000	0.000	7420.000	60980.000	60590.000	102%	2.921
σ		104.000	4.680	0.000	0.000	46.620	186.400	94.830	0%	0.114
%RSD		1.263	2.578	0.000	0.000	0.628	0.306	0.157	0	3.915

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:46	1.814	2.374	0.795	542.400	125.400	559.900	730.800	0.474	6.177
2	20:48:54	1.764	2.434	1.432	533.300	126.800	567.300	742.400	0.494	6.289
3	20:50:02	1.710	2.319	1.691	531.500	126.200	560.600	732.900	0.471	6.750
x		1.763	2.375	1.306	535.700	126.200	562.600	735.400	0.480	6.405
σ		0.052	0.057	0.461	5.869	0.696	4.106	6.188	0.013	0.303
%RSD		2.958	2.415	35.300	1.095	0.551	0.730	0.841	2.644	4.736

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:46	7.638	8.004	27.610	1.834	0.372	-0.008	1.383	0.371	1.788
2	20:48:54	7.654	7.756	27.100	1.334	0.078	0.089	2.122	0.078	2.042
3	20:50:02	7.663	7.922	26.320	1.867	1.484	-0.015	0.758	1.480	-1.594
x		7.652	7.894	27.010	1.678	0.645	0.022	1.421	0.643	0.745
σ		0.012	0.126	0.650	0.298	0.742	0.058	0.683	0.740	2.030
%RSD		0.162	1.599	2.408	17.780	115.000	261.900	48.050	115.000	272.300

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:46	2.752	1.649	1.747	1.263	1.496	0.008	102%	-1.169	0.011
2	20:48:54	2.677	1.561	1.582	1.164	1.384	0.000	103%	0.716	0.011
3	20:50:02	2.546	1.411	1.635	1.469	1.572	0.004	103%	-1.456	0.013
x		2.658	1.540	1.655	1.299	1.484	0.004	102%	-0.636	0.012
σ		0.105	0.120	0.084	0.155	0.094	0.004	1%	1.180	0.001
%RSD		3.932	7.813	5.092	11.960	6.348	100.400	1	185.400	9.035

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:46	0.128	-1.182	0.029	-0.084	0.389	0.593	95.430	95.490	106%
2	20:48:54	-0.783	0.704	0.012	0.134	0.280	0.686	94.620	94.800	107%
3	20:50:02	0.255	-1.468	0.008	-0.033	0.431	0.686	92.630	94.880	107%
x		-0.133	-0.649	0.016	0.006	0.367	0.655	94.230	95.060	106%
σ		0.566	1.180	0.011	0.114	0.078	0.054	1.441	0.376	0%
%RSD		425.200	181.900	69.310	1972.000	21.320	8.252	1.529	0.396	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:47:46	106%	0.014	0.021	4.859	4.476	4.615	103%	0.424
2	20:48:54	106%	0.018	0.015	4.848	4.573	4.673	104%	0.413
3	20:50:02	106%	0.017	0.006	4.749	4.771	4.695	104%	0.427
x		106%	0.016	0.014	4.819	4.607	4.661	103%	0.421
σ		0%	0.002	0.008	0.060	0.150	0.041	1%	0.007
%RSD		0	13.030	53.690	1.254	3.264	0.887	0	1.738

C4482-03LX5 MB9TC2L 11/17/2011 08:52:18 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	20:53:26	103%	-0.135	26.230	0.000	12120.000	4111.000	4052.000	3998.000	13.440
2	20:54:34	100%	0.055	31.920	0.000	12370.000	4216.000	4075.000	4073.000	14.800
3	20:55:42	99%	0.107	28.050	0.000	12430.000	4224.000	4137.000	4109.000	14.040
x		101%	0.009	28.740	0.000	12310.000	4184.000	4088.000	4060.000	14.090
σ		2%	0.127	2.909	0.000	165.300	63.080	43.850	56.760	0.682
%RSD		2	1446.000	10.120	0.000	1.343	1.508	1.073	1.398	4.839

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:26	1630.000	29.150	0.000	0.000	1500.000	12250.000	12070.000	105%	0.812
2	20:54:34	1659.000	32.040	0.000	0.000	1522.000	12430.000	12110.000	105%	0.723
3	20:55:42	1620.000	29.550	0.000	0.000	1533.000	12460.000	12110.000	103%	0.098
x		1636.000	30.250	0.000	0.000	1518.000	12380.000	12090.000	104%	0.544
σ		20.060	1.568	0.000	0.000	16.490	114.400	20.300	1%	0.389
%RSD		1.226	5.184	0.000	0.000	1.086	0.924	0.168	1	71.560

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:26	0.321	0.556	-1.758	104.800	25.320	112.500	144.100	0.111	1.415
2	20:54:34	0.719	0.722	-2.000	103.400	25.340	112.900	130.100	0.073	1.409
3	20:55:42	0.150	0.626	-1.367	103.600	25.430	114.800	136.700	0.111	1.187
x		0.397	0.635	-1.709	104.000	25.360	113.400	137.000	0.098	1.337
σ		0.292	0.083	0.319	0.768	0.058	1.204	7.006	0.022	0.130
%RSD		73.490	13.150	18.690	0.739	0.229	1.062	5.114	22.390	9.696

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:26	1.543	1.473	5.211	0.288	-0.068	0.005	0.612	-0.068	1.304
2	20:54:34	1.446	1.467	5.554	0.524	-0.399	-0.015	0.546	-0.398	2.927
3	20:55:42	1.587	1.659	5.851	0.662	1.119	-0.056	1.134	1.112	-2.137
x		1.525	1.533	5.539	0.491	0.217	-0.022	0.764	0.216	0.698
σ		0.072	0.110	0.320	0.189	0.798	0.031	0.322	0.794	2.586
%RSD		4.735	7.146	5.781	38.470	367.600	141.100	42.170	368.400	370.500

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:26	0.651	0.347	0.338	0.420	0.323	0.004	106%	-1.390	0.000
2	20:54:34	0.674	0.384	0.333	0.401	0.301	0.000	106%	-3.561	0.010
3	20:55:42	0.598	0.359	0.366	0.217	0.371	0.000	107%	-0.029	0.000
x		0.641	0.363	0.345	0.346	0.332	0.001	106%	-1.660	0.003
σ		0.039	0.019	0.018	0.112	0.036	0.002	0%	1.782	0.006
%RSD		6.071	5.228	5.215	32.370	10.780	173.200	0	107.300	168.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:26	0.159	-1.397	-0.003	-0.106	0.086	0.142	18.430	18.790	108%
2	20:54:34	1.074	-3.571	0.003	-0.271	0.098	0.119	18.850	19.140	108%
3	20:55:42	-0.514	-0.034	-0.005	0.021	0.088	0.086	18.820	18.560	108%
x		0.240	-1.668	-0.002	-0.119	0.091	0.116	18.700	18.830	108%
σ		0.797	1.784	0.004	0.146	0.007	0.028	0.232	0.290	0%
%RSD		333.000	107.000	241.100	123.300	7.318	24.180	1.241	1.539	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	20:53:26	108%	-0.004	-0.006	0.931	0.852	0.882	108%	0.079
2	20:54:34	108%	-0.001	-0.001	0.955	0.887	0.902	108%	0.075
3	20:55:42	108%	0.007	0.009	0.910	0.931	0.907	106%	0.064
x		108%	0.001	0.001	0.932	0.890	0.897	107%	0.073
σ		0%	0.006	0.007	0.022	0.040	0.013	1%	0.008
%RSD		0	675.000	1108.000	2.388	4.441	1.462	1	10.760

Reviewed By
Date 11/22/2011 1:16:38 PM

CCV50 11/17/2011 08:58:54 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	21:00:03	95%	505.600	505.000	0.000	51940.000	50730.000	51420.000	48910.000	9875.000
2	21:01:11	96%	498.500	504.300	0.000	51330.000	50320.000	51060.000	48630.000	9697.000
3	21:02:19	96%	501.900	508.100	0.000	51540.000	50420.000	51080.000	48590.000	9846.000
x		96%	502.000	505.800	0.000	51600.000	50490.000	51190.000	48710.000	9806.000
σ		1%	3.560	2.024	0.000	307.500	212.000	206.100	172.800	95.980
%RSD		1	0.709	0.400	0.000	0.596	0.420	0.403	0.355	0.979
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:03	489.000	9941.000	0.000	0.000	25270.000	50760.000	50670.000	98%	495.600
2	21:01:11	494.200	9889.000	0.000	0.000	25070.000	50890.000	49980.000	99%	492.400
3	21:02:19	483.700	9879.000	0.000	0.000	25110.000	50730.000	49870.000	98%	495.000
x		489.000	9903.000	0.000	0.000	25150.000	50790.000	50170.000	99%	494.300
σ		5.246	33.070	0.000	0.000	107.600	85.350	435.700	0%	1.719
%RSD		1.073	0.334	0.000	0.000	0.428	0.168	0.869	0	0.348
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:03	499.300	498.400	-5.838	25370.000	1012.000	25330.000	25120.000	498.100	499.900
2	21:01:11	492.800	493.700	-2.570	25150.000	1003.000	25200.000	25020.000	494.700	497.500
3	21:02:19	495.500	495.900	-3.043	24910.000	996.200	25060.000	24970.000	494.300	490.300
x		495.900	496.000	-3.817	25140.000	1004.000	25200.000	25040.000	495.700	495.900
σ		3.248	2.358	1.766	228.200	8.077	134.900	78.370	2.060	4.990
%RSD		0.655	0.476	46.260	0.908	0.805	0.535	0.313	0.416	1.006
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:03	1014.000	1002.000	1020.000	501.400	501.600	-0.367	499.100	500.100	1.516
2	21:01:11	988.600	992.600	1007.000	498.900	504.400	-0.391	493.700	502.800	-1.915
3	21:02:19	992.300	991.200	1005.000	502.300	494.600	-1.346	498.800	492.800	2.791
x		998.100	995.100	1010.000	500.900	500.200	-0.702	497.200	498.600	0.797
σ		13.480	5.624	8.216	1.797	5.014	0.558	3.019	5.176	2.434
%RSD		1.350	0.565	0.813	0.359	1.002	79.540	0.607	1.038	305.200
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:03	495.300	497.200	493.500	492.100	498.800	0.004	99%	510.300	502.700
2	21:01:11	496.800	497.400	497.500	497.300	498.800	0.000	99%	497.800	501.800
3	21:02:19	497.500	490.400	484.600	489.000	488.900	0.004	100%	508.400	495.300
x		496.600	495.000	491.900	492.800	495.500	0.003	99%	505.500	499.900
σ		1.118	3.949	6.595	4.222	5.718	0.002	0%	6.740	3.994
%RSD		0.225	0.798	1.341	0.857	1.154	86.600	0	1.333	0.799
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:00:03	10.460	510.400	501.500	504.800	501.100	505.000	2478.000	2494.000	104%
2	21:01:11	8.005	497.800	500.900	509.000	501.600	502.800	2510.000	2476.000	105%
3	21:02:19	0.512	508.600	493.500	498.500	495.600	499.900	2493.000	2477.000	104%
x		6.324	505.600	498.700	504.100	499.400	502.600	2494.000	2483.000	104%
σ		5.181	6.805	4.478	5.275	3.350	2.558	16.020	10.090	0%
%RSD		81.910	1.346	0.898	1.046	0.671	0.509	0.642	0.407	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	21:00:03	104%	497.200	499.800	502.600	500.100	500.400	101%	492.800	
2	21:01:11	105%	496.300	496.700	498.200	495.700	497.300	101%	493.400	
3	21:02:19	105%	499.200	497.900	496.400	495.000	495.900	101%	492.200	
x		104%	497.600	498.100	499.100	496.900	497.800	101%	492.800	
σ		1%	1.467	1.543	3.183	2.745	2.309	0%	0.596	
%RSD		1	0.295	0.310	0.638	0.552	0.464	0	0.121	

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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	21:07:56	101%	0.233	7.963	0.000	74.140	5.187	5.396	5.023	4.119
2	21:09:05	97%	0.255	4.548	0.000	100.700	6.592	5.277	5.853	4.790
3	21:10:13	98%	0.060	3.533	0.000	89.880	8.297	7.252	7.835	4.657
x		99%	0.183	5.348	0.000	88.240	6.692	5.975	6.237	4.522
σ		2%	0.106	2.321	0.000	13.360	1.558	1.107	1.445	0.356
%RSD		2	58.290	43.390	0.000	15.140	23.270	18.530	23.160	7.862
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:07:56	-0.602	-5.764	0.000	0.000	5.540	1.450	-2.513	103%	0.368
2	21:09:05	1.361	-1.915	0.000	0.000	21.070	12.940	-7.873	102%	0.414
3	21:10:13	-1.138	-5.980	0.000	0.000	16.840	14.490	-9.559	103%	-0.204
x		-0.126	-4.553	0.000	0.000	14.480	9.625	-6.648	103%	0.192
σ		1.315	2.287	0.000	0.000	8.027	7.122	3.679	1%	0.344
%RSD		1042.000	50.230	0.000	0.000	55.430	74.000	55.340	0	179.000
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:07:56	0.007	0.121	-3.503	1.443	0.074	-3.915	-2.881	0.039	0.056
2	21:09:05	0.202	-0.001	-4.334	-3.191	0.147	-2.625	-5.895	0.083	-0.083
3	21:10:13	0.048	0.011	-3.889	1.745	0.111	-2.786	-3.269	0.052	0.060
x		0.086	0.044	-3.909	-0.001	0.111	-3.109	-4.015	0.058	0.011
σ		0.103	0.067	0.416	2.766	0.037	0.703	1.640	0.023	0.081
%RSD		120.200	154.100	10.630	259600.000	33.150	22.610	40.840	39.180	717.500
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:07:56	0.064	0.143	-0.053	0.341	0.551	-0.062	-0.113	0.548	-1.151
2	21:09:05	0.144	0.141	-0.257	0.287	0.751	-0.049	-0.098	0.748	-0.377
3	21:10:13	0.152	0.209	-0.118	0.206	0.509	-0.034	0.427	0.507	0.899
x		0.120	0.164	-0.142	0.278	0.604	-0.048	0.072	0.601	-0.210
σ		0.049	0.039	0.104	0.068	0.130	0.014	0.307	0.129	1.035
%RSD		40.600	23.770	73.190	24.410	21.460	29.140	426.100	21.460	492.900
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:07:56	0.343	0.312	0.197	0.237	0.310	0.000	106%	1.108	0.056
2	21:09:05	0.273	0.267	0.229	0.359	0.209	0.000	104%	-1.759	0.075
3	21:10:13	0.152	0.124	0.149	0.202	0.235	0.000	104%	-0.746	0.073
x		0.256	0.235	0.192	0.266	0.251	0.000	105%	-0.466	0.068
σ		0.096	0.098	0.041	0.082	0.052	0.000	1%	1.453	0.011
%RSD		37.640	41.770	21.220	30.960	20.880	0.000	1	312.100	15.630
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:07:56	-0.842	1.103	0.072	0.097	0.572	0.815	0.351	0.248	108%
2	21:09:05	0.263	-1.766	0.096	-0.070	0.480	0.526	0.269	0.304	106%
3	21:10:13	-0.192	-0.753	0.067	0.008	0.360	0.472	0.236	0.329	106%
x		-0.257	-0.472	0.079	0.012	0.471	0.604	0.285	0.294	107%
σ		0.556	1.455	0.015	0.083	0.106	0.184	0.059	0.041	1%
%RSD		216.300	308.300	19.690	708.700	22.590	30.470	20.710	14.110	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	21:07:56	107%	0.081	0.065	0.032	0.067	0.047	108%	0.063	
2	21:09:05	105%	0.081	0.079	0.032	0.077	0.046	106%	0.046	
3	21:10:13	105%	0.089	0.094	0.077	0.054	0.075	106%	0.064	
x		106%	0.084	0.079	0.047	0.066	0.056	107%	0.058	
σ		1%	0.005	0.014	0.026	0.011	0.017	1%	0.010	
%RSD		1	6.094	18.230	55.230	17.320	29.660	1	17.670	

Pa... Reviewed By: ... On: 11/22/2011 1:16:48 PM ... Id: PB

C4482-04 MB9TC2D 11/17/2011 09:14:42 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	21:15:50	99%	0.126	104.900	0.000	60520.000	20160.000	20170.000	20160.000	58.160
2	21:16:58	100%	0.240	97.900	0.000	59940.000	20090.000	20220.000	19990.000	56.960
3	21:18:06	101%	0.051	111.100	0.000	59950.000	19930.000	20100.000	19980.000	59.560
x		100%	0.139	104.600	0.000	60140.000	20060.000	20160.000	20040.000	58.220
σ		1%	0.095	6.586	0.000	332.800	117.200	61.060	103.800	1.300
%RSD		1	68.280	6.294	0.000	0.553	0.584	0.303	0.518	2.232

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:15:50	8301.000	179.600	0.000	0.000	7426.000	60940.000	59960.000	104%	2.595
2	21:16:58	8236.000	176.300	0.000	0.000	7359.000	59750.000	59910.000	105%	2.934
3	21:18:06	8260.000	176.300	0.000	0.000	7366.000	60510.000	60320.000	104%	2.787
x		8266.000	177.400	0.000	0.000	7384.000	60400.000	60060.000	104%	2.772
σ		33.340	1.960	0.000	0.000	37.180	605.700	225.800	0%	0.170
%RSD		0.403	1.105	0.000	0.000	0.504	1.003	0.376	0	6.122

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:15:50	2.176	1.538	-0.848	508.100	125.100	534.100	721.300	0.557	5.523
2	21:16:58	1.579	1.557	0.968	509.400	125.200	532.500	691.600	0.478	5.667
3	21:18:06	1.427	1.500	1.984	511.400	125.800	539.600	691.800	0.489	5.530
x		1.727	1.531	0.702	509.600	125.400	535.400	701.600	0.508	5.574
σ		0.396	0.029	1.435	1.656	0.389	3.741	17.050	0.043	0.081
%RSD		22.930	1.906	204.500	0.325	0.310	0.699	2.431	8.397	1.456

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:15:50	6.508	7.043	18.770	1.800	0.466	0.028	0.927	0.465	1.041
2	21:16:58	6.755	6.754	19.230	1.696	0.841	0.040	0.443	0.839	0.863
3	21:18:06	6.650	6.571	18.920	1.549	0.319	0.066	0.833	0.318	1.653
x		6.638	6.789	18.970	1.682	0.542	0.045	0.735	0.541	1.186
σ		0.124	0.238	0.234	0.126	0.269	0.020	0.257	0.269	0.415
%RSD		1.868	3.510	1.235	7.491	49.700	43.650	34.920	49.640	34.960

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:15:50	2.582	1.596	2.039	1.608	1.767	0.000	102%	1.374	0.021
2	21:16:58	2.766	1.412	1.743	1.776	1.660	0.000	104%	-2.443	0.025
3	21:18:06	2.539	1.641	1.838	1.503	1.580	0.000	102%	-1.635	0.021
x		2.629	1.550	1.873	1.629	1.669	0.000	103%	-0.901	0.023
σ		0.120	0.121	0.151	0.138	0.094	0.000	1%	2.012	0.002
%RSD		4.579	7.814	8.059	8.473	5.631	0.000	1	223.200	8.724

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:15:50	-1.015	1.362	0.023	0.169	0.345	0.842	92.040	94.660	107%
2	21:16:58	0.573	-2.455	0.018	-0.160	0.360	0.812	94.810	92.290	107%
3	21:18:06	0.338	-1.651	0.010	-0.072	0.289	0.772	94.680	93.840	108%
x		-0.035	-0.915	0.017	-0.021	0.331	0.809	93.840	93.590	107%
σ		0.857	2.012	0.006	0.170	0.038	0.035	1.566	1.203	1%
%RSD		2468.000	219.900	38.220	810.000	11.370	4.361	1.669	1.285	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:15:50	107%	0.022	0.032	3.704	3.323	3.534	103%	0.411
2	21:16:58	108%	0.008	0.018	3.658	3.470	3.573	104%	0.425
3	21:18:06	108%	0.011	0.019	3.709	3.406	3.519	105%	0.407
x		107%	0.013	0.023	3.690	3.400	3.542	104%	0.414
σ		1%	0.007	0.008	0.028	0.074	0.028	1%	0.010
%RSD		1	53.440	34.970	0.758	2.172	0.781	1	2.352

C4482-05 MB9TC2S 11/17/2011 09:22:35 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	21:23:43	94%	173.400	109.600	0.000	64800.000	21480.000	21680.000	21450.000	6709.000
2	21:24:51	97%	172.900	107.600	0.000	63780.000	21080.000	21260.000	21050.000	6669.000
3	21:25:59	96%	172.700	106.200	0.000	64450.000	21280.000	21410.000	21300.000	6659.000
x̄		96%	173.000	107.800	0.000	64340.000	21280.000	21450.000	21270.000	6679.000
σ		2%	0.380	1.697	0.000	515.600	197.800	211.000	205.400	26.300
%RSD		2	0.219	1.575	0.000	0.801	0.930	0.984	0.966	0.394
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:43	8878.000	188.100	0.000	0.000	7978.000	64610.000	63860.000	99%	2.780
2	21:24:51	8911.000	186.600	0.000	0.000	7842.000	63890.000	64020.000	100%	2.945
3	21:25:59	8874.000	189.700	0.000	0.000	7877.000	63950.000	64070.000	99%	2.788
x̄		8888.000	188.100	0.000	0.000	7899.000	64150.000	63980.000	99%	2.838
σ		20.390	1.558	0.000	0.000	70.370	400.700	109.800	0%	0.093
%RSD		0.229	0.828	0.000	0.000	0.891	0.625	0.172	0	3.280
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:43	1676.000	676.700	55.890	3957.000	1812.000	3953.000	4096.000	1681.000	1694.000
2	21:24:51	1672.000	677.300	69.450	3953.000	1809.000	3952.000	4128.000	1688.000	1703.000
3	21:25:59	1685.000	683.900	74.400	4003.000	1821.000	3964.000	4129.000	1688.000	1705.000
x̄		1678.000	679.300	66.580	3971.000	1814.000	3956.000	4118.000	1685.000	1701.000
σ		6.302	3.963	9.581	28.030	6.128	6.621	18.650	4.095	6.049
%RSD		0.376	0.583	14.390	0.706	0.338	0.167	0.453	0.243	0.356
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:43	860.100	860.000	1753.000	146.200	347.100	-0.274	334.700	346.500	2.548
2	21:24:51	863.700	871.000	1754.000	148.600	345.200	-0.594	341.500	344.600	2.869
3	21:25:59	865.500	868.400	1755.000	143.700	338.600	0.511	335.500	337.900	5.932
x̄		863.100	866.500	1754.000	146.200	343.600	-0.119	337.200	343.000	3.783
σ		2.729	5.738	1.087	2.404	4.456	0.569	3.738	4.553	1.868
%RSD		0.316	0.662	0.062	1.645	1.297	478.300	1.109	1.327	49.380
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:43	3.061	1.880	2.049	2.257	1.864	0.009	98%	169.400	160.600
2	21:24:51	2.907	1.871	2.114	2.078	2.015	0.004	98%	177.800	160.700
3	21:25:59	2.927	2.105	1.867	1.866	1.995	0.017	98%	167.900	159.800
x̄		2.965	1.952	2.010	2.067	1.958	0.010	98%	171.700	160.300
σ		0.083	0.133	0.128	0.195	0.082	0.007	0%	5.333	0.512
%RSD		2.816	6.793	6.378	9.447	4.199	65.330	0	3.105	0.319
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:23:43	3.649	169.500	160.600	177.100	0.598	349.800	6869.000	6910.000	103%
2	21:24:51	2.899	177.800	159.100	174.800	0.600	347.800	6875.000	6863.000	104%
3	21:25:59	7.568	167.900	160.000	176.200	0.663	347.100	6839.000	6838.000	105%
x̄		4.705	171.700	159.900	176.000	0.621	348.200	6861.000	6870.000	104%
σ		2.507	5.336	0.778	1.181	0.037	1.395	19.020	36.540	1%
%RSD		53.280	3.107	0.487	0.671	5.943	0.401	0.277	0.532	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	21:23:43	104%	171.700	172.300	77.080	70.960	73.480	101%	0.431	
2	21:24:51	104%	172.800	173.500	77.660	71.530	73.850	101%	0.452	
3	21:25:59	104%	172.400	173.500	78.230	71.910	74.200	101%	0.434	
x̄		104%	172.300	173.100	77.660	71.470	73.840	101%	0.439	
σ		0%	0.527	0.709	0.576	0.476	0.361	0%	0.011	
%RSD		0	0.306	0.410	0.742	0.666	0.489	0	2.577	

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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	21:31:37	96%	18.260	11.310	0.000	7097.000	2419.000	2362.000	2352.000	785.000
2	21:32:45	99%	17.820	15.500	0.000	6917.000	2358.000	2304.000	2274.000	766.300
3	21:33:53	98%	18.190	12.620	0.000	6947.000	2369.000	2325.000	2301.000	776.800
x		98%	18.090	13.140	0.000	6987.000	2382.000	2330.000	2309.000	776.000
σ		2%	0.233	2.146	0.000	96.810	32.620	29.230	39.630	9.356
%RSD		2	1.287	16.330	0.000	1.386	1.369	1.254	1.716	1.206

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:37	963.300	17.180	0.000	0.000	897.000	7132.000	6903.000	102%	0.553
2	21:32:45	936.600	12.680	0.000	0.000	880.600	6824.000	6842.000	102%	0.518
3	21:33:53	934.100	11.780	0.000	0.000	878.800	7073.000	6876.000	102%	0.385
x		944.700	13.880	0.000	0.000	885.500	7009.000	6874.000	102%	0.485
σ		16.200	2.895	0.000	0.000	10.020	163.600	30.470	0%	0.089
%RSD		1.714	20.850	0.000	0.000	1.132	2.334	0.443	0	18.260

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:37	179.000	73.940	14.110	435.400	195.800	445.400	444.600	182.600	182.900
2	21:32:45	178.200	72.390	15.730	427.700	194.900	439.700	424.100	179.900	181.400
3	21:33:53	179.100	72.660	14.270	421.300	194.800	443.000	446.300	180.900	181.200
x		178.800	73.000	14.700	428.100	195.200	442.700	438.300	181.200	181.800
σ		0.514	0.828	0.893	7.053	0.559	2.872	12.330	1.388	0.970
%RSD		0.287	1.134	6.074	1.647	0.287	0.649	2.814	0.766	0.533

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:37	93.910	93.420	188.600	15.060	36.210	0.148	36.920	36.050	-0.674
2	21:32:45	92.860	91.390	188.600	15.360	36.650	0.065	36.220	36.460	0.232
3	21:33:53	92.290	92.250	191.100	15.850	34.780	0.062	36.720	34.610	-1.998
x		93.020	92.350	189.400	15.420	35.880	0.092	36.620	35.710	-0.813
σ		0.821	1.017	1.432	0.401	0.975	0.048	0.363	0.975	1.122
%RSD		0.883	1.101	0.756	2.597	2.716	52.820	0.991	2.730	137.900

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:37	0.329	0.256	0.242	0.183	0.228	0.004	104%	15.910	15.810
2	21:32:45	0.238	0.155	0.274	0.201	0.268	0.004	105%	14.490	16.300
3	21:33:53	0.425	0.248	0.229	0.319	0.272	0.000	105%	16.470	15.830
x		0.330	0.220	0.248	0.234	0.256	0.003	105%	15.620	15.980
σ		0.093	0.056	0.023	0.074	0.024	0.002	0%	1.019	0.277
%RSD		28.230	25.720	9.371	31.580	9.434	86.600	0	6.523	1.732

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:37	1.268	15.910	16.290	17.970	0.061	36.530	729.200	726.400	107%
2	21:32:45	0.718	14.500	15.860	18.190	0.082	35.940	716.300	717.600	108%
3	21:33:53	2.756	16.480	16.070	18.980	0.026	36.260	720.400	723.800	107%
x		1.580	15.630	16.070	18.380	0.056	36.240	722.000	722.600	107%
σ		1.054	1.020	0.213	0.531	0.028	0.297	6.558	4.515	0%
%RSD		66.730	6.526	1.324	2.888	49.940	0.819	0.908	0.625	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:31:37	107%	18.490	18.360	8.234	7.437	7.742	106%	0.042
2	21:32:45	107%	18.040	18.140	8.183	7.386	7.703	106%	0.044
3	21:33:53	107%	18.350	18.050	7.946	7.335	7.571	106%	0.037
x		107%	18.290	18.180	8.121	7.386	7.672	106%	0.041
σ		0%	0.233	0.156	0.154	0.051	0.090	0%	0.004
%RSD		0	1.271	0.858	1.895	0.690	1.167	0	9.335

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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	21:39:31	102%	0.113	124.100	0.000	58040.000	20310.000	20340.000	20160.000	55.590
2	21:40:40	100%	0.003	124.400	0.000	58810.000	20520.000	20750.000	20680.000	57.810
3	21:41:48	100%	0.005	135.600	0.000	59780.000	20950.000	20960.000	20930.000	58.460
x		101%	0.040	128.000	0.000	58880.000	20600.000	20690.000	20590.000	57.290
σ		1%	0.063	6.535	0.000	873.100	328.700	316.900	393.800	1.507
%RSD		1	155.500	5.104	0.000	1.483	1.596	1.532	1.913	2.630
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:31	7952.000	119.700	0.000	0.000	7445.000	60190.000	59570.000	105%	1.991
2	21:40:40	8126.000	132.700	0.000	0.000	7507.000	61540.000	61020.000	103%	3.587
3	21:41:48	8184.000	125.300	0.000	0.000	7640.000	62250.000	62100.000	103%	3.032
x		8087.000	125.900	0.000	0.000	7531.000	61330.000	60900.000	104%	2.870
σ		120.300	6.490	0.000	0.000	99.830	1043.000	1272.000	1%	0.810
%RSD		1.488	5.154	0.000	0.000	1.326	1.701	2.089	1	28.240
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:31	2.114	8.373	7.365	460.300	221.800	476.300	643.300	0.744	8.477
2	21:40:40	1.850	8.572	7.822	469.800	227.000	488.400	667.600	0.768	8.624
3	21:41:48	2.420	8.675	7.335	466.100	230.500	499.400	664.400	0.751	8.737
x		2.128	8.540	7.507	465.400	226.400	488.000	658.400	0.754	8.613
σ		0.285	0.154	0.273	4.815	4.386	11.590	13.200	0.012	0.130
%RSD		13.400	1.798	3.635	1.035	1.937	2.374	2.005	1.645	1.512
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:31	8.475	8.721	30.410	1.684	0.798	0.075	0.905	0.798	-1.971
2	21:40:40	8.311	8.677	30.740	1.444	0.896	0.098	-0.088	0.894	0.946
3	21:41:48	8.653	8.895	32.490	1.911	1.094	0.039	1.938	1.090	1.969
x		8.480	8.765	31.210	1.680	0.930	0.071	0.918	0.927	0.315
σ		0.171	0.115	1.121	0.234	0.150	0.030	1.013	0.149	2.044
%RSD		2.016	1.315	3.590	13.930	16.190	42.260	110.300	16.090	649.300
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:31	2.409	1.566	1.400	1.607	1.506	0.000	103%	-1.043	0.013
2	21:40:40	2.617	1.533	1.625	1.519	1.512	0.004	104%	-0.999	0.019
3	21:41:48	2.660	1.501	1.671	1.445	1.387	0.000	103%	-0.463	0.009
x		2.562	1.533	1.565	1.523	1.468	0.001	103%	-0.835	0.014
σ		0.135	0.033	0.145	0.081	0.071	0.002	0%	0.323	0.005
%RSD		5.250	2.122	9.267	5.339	4.805	173.200	0	38.660	37.160
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:39:31	0.135	-1.060	0.002	-0.006	0.373	0.850	104.400	104.300	109%
2	21:40:40	0.112	-1.013	0.010	-0.030	0.361	0.788	107.700	106.500	108%
3	21:41:48	-0.317	-0.475	0.018	0.045	0.300	0.765	107.000	107.700	107%
x		-0.023	-0.849	0.010	0.003	0.344	0.801	106.400	106.200	108%
σ		0.254	0.325	0.008	0.038	0.039	0.044	1.717	1.699	1%
%RSD		1093.000	38.260	85.020	1278.000	11.350	5.488	1.614	1.600	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	21:39:31	108%	0.104	0.109	8.249	7.965	8.063	105%	0.406	
2	21:40:40	108%	0.093	0.113	8.123	7.814	7.973	106%	0.403	
3	21:41:48	108%	0.088	0.103	8.201	7.892	8.032	105%	0.417	
x		108%	0.095	0.108	8.191	7.890	8.023	105%	0.409	
σ		0%	0.008	0.005	0.064	0.076	0.045	1%	0.007	
%RSD		0	8.578	4.893	0.781	0.958	0.566	0	1.781	

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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	21:47:26	102%	0.032	106.200	0.000	58270.000	19620.000	19640.000	19650.000	43.520
2	21:48:34	102%	0.046	101.300	0.000	58090.000	19700.000	19890.000	19550.000	43.090
3	21:49:42	101%	0.083	108.600	0.000	58960.000	19870.000	19910.000	19770.000	43.120
x		102%	0.054	105.400	0.000	58440.000	19730.000	19820.000	19650.000	43.240
σ		1%	0.026	3.721	0.000	455.900	129.000	149.800	113.900	0.239
%RSD		1	48.640	3.531	0.000	0.780	0.654	0.756	0.579	0.552
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:26	7980.000	172.700	0.000	0.000	7303.000	60590.000	59410.000	103%	2.272
2	21:48:34	7987.000	169.000	0.000	0.000	7280.000	60150.000	59610.000	103%	3.114
3	21:49:42	8076.000	175.600	0.000	0.000	7340.000	60040.000	59920.000	103%	2.877
x		8014.000	172.400	0.000	0.000	7308.000	60260.000	59650.000	103%	2.754
σ		53.260	3.306	0.000	0.000	30.420	291.600	258.700	0%	0.434
%RSD		0.664	1.917	0.000	0.000	0.416	0.484	0.434	0	15.750
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:26	1.194	5.722	7.046	487.100	139.600	507.800	664.900	0.513	6.011
2	21:48:34	2.478	5.825	5.784	484.400	140.000	513.500	697.600	0.504	5.748
3	21:49:42	1.848	5.656	6.621	498.200	140.700	514.300	679.000	0.522	5.809
x		1.840	5.734	6.484	489.900	140.100	511.900	680.500	0.513	5.856
σ		0.642	0.086	0.642	7.295	0.553	3.526	16.400	0.009	0.138
%RSD		34.890	1.492	9.904	1.489	0.395	0.689	2.410	1.761	2.353
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:26	6.381	6.962	28.580	1.887	0.658	0.008	1.873	0.656	1.971
2	21:48:34	6.496	6.421	28.630	1.688	1.283	0.038	1.289	1.279	-4.240
3	21:49:42	6.536	6.718	28.630	1.829	1.231	0.027	1.317	1.226	-1.031
x		6.471	6.700	28.610	1.801	1.057	0.024	1.493	1.054	-1.100
σ		0.081	0.271	0.030	0.102	0.347	0.015	0.329	0.346	3.106
%RSD		1.245	4.039	0.104	5.679	32.810	63.640	22.050	32.790	282.400
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:26	2.708	1.490	1.487	1.676	1.608	0.004	103%	-0.958	-0.003
2	21:48:34	2.442	1.578	1.689	1.312	1.421	0.000	103%	-1.708	0.007
3	21:49:42	2.430	1.445	1.640	1.866	1.471	0.000	104%	-1.340	0.001
x		2.527	1.504	1.606	1.618	1.500	0.001	104%	-1.335	0.001
σ		0.157	0.067	0.106	0.282	0.097	0.002	1%	0.375	0.005
%RSD		6.205	4.477	6.576	17.410	6.459	173.200	1	28.100	394.600
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:47:26	-0.030	-0.973	-0.003	-0.034	0.309	0.606	94.200	95.620	108%
2	21:48:34	0.245	-1.725	0.012	-0.024	0.297	0.555	98.390	95.840	109%
3	21:49:42	0.264	-1.353	-0.007	-0.105	0.259	0.565	97.780	95.480	108%
x		0.160	-1.350	0.001	-0.054	0.288	0.576	96.790	95.650	108%
σ		0.165	0.376	0.010	0.044	0.026	0.027	2.262	0.184	1%
%RSD		103.200	27.870	1417.000	81.620	9.150	4.644	2.337	0.192	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	21:47:26	108%	0.055	0.062	3.815	3.645	3.703	105%	0.406	
2	21:48:34	108%	0.051	0.049	3.781	3.753	3.732	105%	0.422	
3	21:49:42	108%	0.050	0.054	3.989	3.711	3.812	105%	0.414	
x		108%	0.052	0.055	3.862	3.703	3.749	105%	0.414	
σ		0%	0.003	0.006	0.112	0.055	0.056	0%	0.008	
%RSD		0	5.325	11.520	2.889	1.475	1.502	0	2.008	

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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	21:55:21	99%	0.057	129.600	0.000	60280.000	21100.000	21140.000	20860.000	118.700
2	21:56:29	99%	0.093	137.000	0.000	60220.000	20980.000	21140.000	20920.000	119.100
3	21:57:37	103%	-0.021	140.700	0.000	59240.000	20680.000	20960.000	20700.000	116.100
x		100%	0.043	135.800	0.000	59910.000	20920.000	21080.000	20830.000	118.000
σ		2%	0.058	5.648	0.000	582.500	216.900	104.100	112.300	1.609
%RSD		2	134.700	4.161	0.000	0.972	1.037	0.494	0.539	1.364

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:55:21	8291.000	135.300	0.000	0.000	7572.000	62410.000	61890.000	103%	3.452
2	21:56:29	8204.000	143.300	0.000	0.000	7485.000	62220.000	61570.000	104%	3.749
3	21:57:37	8232.000	145.500	0.000	0.000	7580.000	62110.000	62770.000	102%	4.103
x		8242.000	141.400	0.000	0.000	7546.000	62250.000	62070.000	103%	3.768
σ		44.270	5.407	0.000	0.000	53.110	155.100	621.700	1%	0.326
%RSD		0.537	3.824	0.000	0.000	0.704	0.249	1.002	1	8.658

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:55:21	2.356	3.836	5.059	727.400	238.300	754.400	895.400	0.787	6.593
2	21:56:29	1.736	3.605	5.807	712.100	235.800	753.500	905.500	0.673	6.128
3	21:57:37	2.246	3.759	5.453	719.700	238.400	756.400	909.900	0.751	6.295
x		2.113	3.734	5.440	719.700	237.500	754.700	903.600	0.737	6.339
σ		0.331	0.117	0.375	7.638	1.496	1.488	7.432	0.058	0.235
%RSD		15.660	3.146	6.884	1.061	0.630	0.197	0.823	7.911	3.713

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:55:21	7.438	7.606	22.010	1.806	0.946	0.031	2.025	0.943	-1.313
2	21:56:29	6.899	6.976	21.540	2.198	1.181	-0.018	1.433	1.179	0.272
3	21:57:37	7.189	7.111	22.550	1.541	0.804	0.083	0.721	0.801	0.662
x		7.175	7.231	22.030	1.849	0.977	0.032	1.393	0.974	-0.126
σ		0.270	0.332	0.506	0.330	0.191	0.050	0.653	0.191	1.046
%RSD		3.757	4.586	2.297	17.880	19.520	158.300	46.860	19.610	828.500

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:55:21	2.974	1.623	1.476	1.571	1.710	0.000	103%	-0.579	-0.001
2	21:56:29	2.748	1.364	1.445	1.519	1.528	0.004	103%	-1.190	0.021
3	21:57:37	2.744	1.373	1.511	1.640	1.495	0.004	103%	-0.993	0.001
x		2.822	1.453	1.477	1.577	1.578	0.003	103%	-0.921	0.007
σ		0.132	0.147	0.033	0.061	0.116	0.002	0%	0.312	0.012
%RSD		4.663	10.130	2.243	3.840	7.327	86.600	0	33.840	183.500

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:55:21	-0.263	-0.594	0.003	0.001	3.043	0.836	109.400	106.500	108%
2	21:56:29	0.198	-1.203	0.010	-0.007	3.077	0.769	108.400	107.300	108%
3	21:57:37	-0.016	-1.006	0.006	-0.054	3.129	0.758	108.200	106.800	108%
x		-0.027	-0.934	0.006	-0.020	3.083	0.788	108.700	106.900	108%
σ		0.231	0.311	0.003	0.030	0.043	0.042	0.665	0.432	0%
%RSD		860.100	33.270	50.810	147.500	1.408	5.395	0.612	0.404	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	21:55:21	107%	0.032	0.045	5.104	4.980	4.961	105%	0.434
2	21:56:29	107%	0.038	0.038	5.136	4.878	5.034	105%	0.432
3	21:57:37	107%	0.022	0.037	5.263	5.085	5.124	104%	0.441
x		107%	0.031	0.040	5.168	4.981	5.040	105%	0.436
σ		0%	0.008	0.004	0.084	0.103	0.082	0%	0.005
%RSD		0	26.310	10.750	1.626	2.071	1.620	0	1.079

Received Brooks
Dec 12/22/2011 1:10:16
PM
Add-on: P6

C4482-09 MB9TC0 11/17/2011 10:02:08 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	22:03:16	98%	0.180	124.900	0.000	55850.000	18480.000	18470.000	18410.000	106.400
2	22:04:25	97%	0.099	123.000	0.000	55750.000	18470.000	18510.000	18360.000	105.900
3	22:05:33	101%	-0.015	125.900	0.000	54770.000	18210.000	18300.000	18120.000	101.700
X		99%	0.088	124.600	0.000	55460.000	18390.000	18430.000	18300.000	104.700
σ		2%	0.098	1.457	0.000	597.300	151.400	106.800	155.600	2.618
%RSD		2	111.100	1.169	0.000	1.077	0.824	0.580	0.851	2.501

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:03:16	7675.000	187.800	0.000	0.000	6830.000	56440.000	55900.000	101%	5.357
2	22:04:25	7772.000	180.700	0.000	0.000	6785.000	55490.000	54960.000	103%	4.757
3	22:05:33	7545.000	180.700	0.000	0.000	6787.000	55910.000	55590.000	101%	4.356
X		7664.000	183.100	0.000	0.000	6801.000	55950.000	55490.000	102%	4.823
σ		114.000	4.088	0.000	0.000	25.570	479.600	479.400	1%	0.504
%RSD		1.487	2.233	0.000	0.000	0.376	0.857	0.864	1	10.440

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:03:16	2.349	1.450	5.073	1541.000	829.500	1627.000	1733.000	1.558	6.826
2	22:04:25	1.684	1.580	5.371	1533.000	810.000	1608.000	1689.000	1.592	6.578
3	22:05:33	2.266	1.518	5.188	1553.000	824.800	1634.000	1718.000	1.615	6.795
X		2.100	1.516	5.211	1542.000	821.400	1623.000	1713.000	1.588	6.733
σ		0.362	0.065	0.150	9.912	10.190	13.550	22.550	0.028	0.135
%RSD		17.260	4.267	2.888	0.643	1.241	0.835	1.317	1.780	2.009

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:03:16	7.495	7.206	27.640	2.350	1.010	0.064	1.351	1.007	-0.187
2	22:04:25	7.069	7.280	27.480	2.388	0.996	0.016	1.884	0.993	0.655
3	22:05:33	7.524	7.435	27.140	2.220	0.176	0.039	0.947	0.176	3.414
X		7.363	7.307	27.420	2.319	0.728	0.040	1.394	0.725	1.294
σ		0.255	0.117	0.257	0.088	0.477	0.024	0.470	0.476	1.884
%RSD		3.461	1.604	0.936	3.794	65.620	60.710	33.710	65.640	145.600

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:03:16	2.580	1.322	1.414	1.301	1.310	0.008	102%	-1.501	0.009
2	22:04:25	2.570	1.494	1.525	1.325	1.340	0.012	103%	-1.583	-0.001
3	22:05:33	2.630	1.186	1.452	1.068	1.415	0.000	102%	-0.189	0.003
X		2.593	1.334	1.463	1.231	1.355	0.007	103%	-1.091	0.004
σ		0.032	0.154	0.056	0.142	0.054	0.006	1%	0.783	0.005
%RSD		1.248	11.560	3.851	11.540	4.001	91.380	1	71.740	148.100

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:03:16	0.277	-1.514	-0.009	-0.080	0.314	0.622	98.080	97.180	106%
2	22:04:25	0.187	-1.595	0.001	-0.058	0.344	0.567	98.820	97.450	107%
3	22:05:33	-0.312	-0.203	0.002	0.027	0.290	0.623	96.600	98.090	107%
X		0.050	-1.104	-0.002	-0.037	0.316	0.604	97.830	97.570	107%
σ		0.317	0.781	0.006	0.056	0.027	0.032	1.130	0.469	1%
%RSD		630.100	70.760	308.900	152.600	8.676	5.296	1.155	0.481	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:03:16	107%	0.027	0.017	5.451	5.063	5.228	104%	0.397
2	22:04:25	107%	0.051	0.022	5.326	5.140	5.262	104%	0.408
3	22:05:33	107%	0.029	0.030	5.483	5.270	5.321	104%	0.407
X		107%	0.036	0.023	5.420	5.158	5.270	104%	0.404
σ		0%	0.014	0.007	0.083	0.104	0.047	0%	0.006
%RSD		0	38.110	28.790	1.528	2.023	0.883	0	1.552

Reviewed By:jaswal
On:11/22/2011 1:48:48
Instrid :P6

C4481-01 MB9TA1 11/17/2011 10:10:05 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	22:11:13	103%	0.011	16.750	0.000	708.000	87.390	87.210	83.440	9.831
2	22:12:21	105%	-0.026	14.130	0.000	668.500	86.040	87.740	84.300	8.705
3	22:13:29	108%	-0.065	9.470	0.000	627.700	84.100	83.650	80.290	8.561
x		105%	-0.026	13.450	0.000	668.100	85.840	86.200	82.680	9.032
σ		2%	0.038	3.688	0.000	40.140	1.656	2.223	2.113	0.695
%RSD		2	143.200	27.420	0.000	6.009	1.929	2.579	2.556	7.697
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:13	47.390	1.347	0.000	0.000	164.800	716.700	849.900	98%	1.282
2	22:12:21	43.830	1.011	0.000	0.000	163.700	728.500	849.000	99%	0.490
3	22:13:29	38.960	3.350	0.000	0.000	156.200	748.200	833.100	99%	0.662
x		43.390	1.902	0.000	0.000	161.600	731.100	844.000	99%	0.811
σ		4.233	1.265	0.000	0.000	4.671	15.910	9.438	0%	0.417
%RSD		9.755	66.470	0.000	0.000	2.891	2.177	1.118	0	51.340
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:13	-7.047	3.621	601.600	109.400	8.692	89.940	63.210	0.017	1.098
2	22:12:21	-6.414	3.542	682.600	111.400	8.506	90.150	64.220	0.022	1.266
3	22:13:29	-11.250	3.877	757.800	111.200	8.649	88.860	60.220	0.008	0.768
x		-8.238	3.680	680.700	110.700	8.616	89.650	62.550	0.015	1.044
σ		2.630	0.175	78.100	1.107	0.098	0.691	2.080	0.007	0.253
%RSD		31.930	4.754	11.470	1.000	1.133	0.771	3.325	45.360	24.270
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:13	1.867	1.893	10.260	0.579	-0.473	4.234	-0.966	-0.471	1.846
2	22:12:21	1.914	2.048	11.220	-2.049	-0.366	5.120	0.069	-0.365	0.289
3	22:13:29	1.740	2.021	11.430	0.999	0.478	4.753	-0.489	0.476	-0.064
x		1.840	1.987	10.970	-0.157	-0.120	4.702	-0.462	-0.120	0.690
σ		0.090	0.083	0.625	1.652	0.521	0.445	0.518	0.519	1.016
%RSD		4.897	4.176	5.695	1051.000	433.400	9.462	112.200	432.100	147.200
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:13	0.293	-0.004	0.061	0.028	0.026	0.004	99%	-1.369	0.114
2	22:12:21	0.138	0.027	0.059	0.067	0.032	0.013	101%	-1.537	0.059
3	22:13:29	0.149	0.027	0.029	0.047	0.024	0.008	101%	-0.612	0.043
x		0.193	0.017	0.050	0.047	0.027	0.008	101%	-1.173	0.072
σ		0.086	0.018	0.018	0.020	0.004	0.004	1%	0.493	0.037
%RSD		44.740	106.300	35.840	41.690	15.420	49.270	1	42.020	52.000
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:11:13	0.155	-1.379	0.144	0.024	1.072	0.145	1.808	1.732	102%
2	22:12:21	0.163	-1.543	0.091	0.002	0.833	0.135	1.635	1.761	102%
3	22:13:29	-0.253	-0.616	0.068	-0.007	0.829	0.102	2.023	1.707	102%
x		0.022	-1.180	0.101	0.006	0.911	0.127	1.822	1.733	102%
σ		0.238	0.495	0.039	0.016	0.139	0.022	0.194	0.027	0%
%RSD		1095.000	41.920	38.510	245.000	15.290	17.600	10.660	1.554	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	22:11:13	101%	0.086	0.087	6.197	6.545	6.326	101%	-0.002	
2	22:12:21	102%	0.072	0.062	6.377	6.290	6.335	102%	-0.003	
3	22:13:29	103%	0.034	0.052	6.107	6.172	6.215	102%	-0.005	
x		102%	0.064	0.067	6.227	6.336	6.292	102%	-0.003	
σ		1%	0.027	0.018	0.138	0.191	0.067	0%	0.001	
%RSD		1	42.320	27.100	2.209	3.008	1.064	0	38.660	

Reviewed By:jaswal
on 11/22/2011 1:16:18 PM
Inst id :P8

C4481-03 MB9TC9 11/17/2011 10:18:01 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	22:19:09	99%	1.330	270.400	0.000	45780.000	22740.000	22950.000	22780.000	4736.000
2	22:20:17	100%	1.026	270.000	0.000	45860.000	22710.000	22760.000	22620.000	4726.000
3	22:21:25	101%	1.214	281.400	0.000	45970.000	22810.000	22800.000	22660.000	4746.000
x		100%	1.190	273.900	0.000	45870.000	22750.000	22840.000	22690.000	4736.000
σ		1%	0.154	6.475	0.000	96.520	47.890	103.900	85.380	9.894
%RSD		1	12.920	2.364	0.000	0.210	0.210	0.455	0.376	0.209

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:09	19640.000	2467.000	0.000	0.000	10850.000	38920.000	38960.000	96%	86.480
2	22:20:17	19450.000	2461.000	0.000	0.000	10890.000	38810.000	38850.000	95%	85.730
3	22:21:25	19490.000	2462.000	0.000	0.000	10980.000	39160.000	39100.000	95%	83.710
x		19530.000	2463.000	0.000	0.000	10910.000	38960.000	38970.000	95%	85.310
σ		98.610	3.252	0.000	0.000	65.470	182.000	125.600	0%	1.435
%RSD		0.505	0.132	0.000	0.000	0.600	0.467	0.322	0	1.682

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:09	13.240	18.420	807.500	40530.000	320.300	40520.000	40040.000	11.210	50.900
2	22:20:17	16.970	18.720	919.100	40970.000	323.600	40870.000	40520.000	11.150	52.230
3	22:21:25	14.050	19.560	1005.000	41150.000	323.200	41090.000	40670.000	11.510	52.390
x		14.750	18.900	910.700	40880.000	322.400	40830.000	40410.000	11.290	51.840
σ		1.960	0.592	99.220	319.700	1.823	287.300	330.700	0.194	0.818
%RSD		13.280	3.135	10.890	0.782	0.565	0.704	0.818	1.715	1.578

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:09	22.650	23.530	279.900	16.100	1.145	4.429	1.054	1.145	0.656
2	22:20:17	23.170	23.710	284.000	16.710	0.777	4.758	0.818	0.776	-0.410
3	22:21:25	23.710	23.850	287.300	15.890	1.146	4.955	0.551	1.144	4.210
x		23.180	23.700	283.700	16.230	1.023	4.714	0.808	1.022	1.485
σ		0.528	0.158	3.692	0.425	0.213	0.266	0.252	0.213	2.419
%RSD		2.278	0.668	1.301	2.615	20.810	5.638	31.140	20.820	162.900

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:09	2.666	0.661	1.091	0.817	0.724	0.014	94%	1.073	0.147
2	22:20:17	2.541	0.688	0.962	0.924	0.811	0.000	94%	-0.407	0.126
3	22:21:25	2.890	0.618	0.878	0.782	0.764	0.005	94%	-0.754	0.144
x		2.699	0.655	0.977	0.841	0.767	0.006	94%	-0.030	0.139
σ		0.176	0.035	0.108	0.074	0.044	0.007	0%	0.970	0.011
%RSD		6.537	5.358	11.020	8.841	5.689	114.700	0	3282.000	8.048

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:09	-0.314	1.056	0.104	1.050	2.064	1.981	263.000	263.800	99%
2	22:20:17	0.693	-0.426	0.138	0.653	1.868	2.060	263.000	263.600	100%
3	22:21:25	1.260	-0.772	0.156	0.836	2.047	2.050	263.000	262.500	100%
x		0.546	-0.047	0.133	0.846	1.993	2.030	263.000	263.300	99%
σ		0.797	0.971	0.026	0.199	0.108	0.043	0.040	0.699	1%
%RSD		146.000	2055.000	19.870	23.490	5.441	2.122	0.015	0.266	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:19:09	99%	0.087	0.088	65.440	58.440	61.630	96%	0.708
2	22:20:17	99%	0.091	0.099	64.490	57.630	60.660	97%	0.700
3	22:21:25	100%	0.074	0.087	64.540	58.560	61.060	98%	0.684
x		100%	0.084	0.091	64.820	58.210	61.120	97%	0.697
σ		1%	0.009	0.007	0.533	0.503	0.489	1%	0.012
%RSD		1	10.790	7.298	0.823	0.864	0.800	1	1.772

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C4481-03X10 MB9TC9 11/17/2011 10:25:57 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	22:27:05	94%	0.168	35.970	0.000	4555.000	2273.000	2224.000	2203.000	459.900
2	22:28:13	98%	0.272	27.260	0.000	4436.000	2233.000	2166.000	2141.000	454.700
3	22:29:21	93%	0.101	30.700	0.000	4524.000	2266.000	2214.000	2170.000	455.800
x		95%	0.180	31.310	0.000	4505.000	2257.000	2201.000	2171.000	456.800
σ		2%	0.086	4.384	0.000	61.670	21.590	31.310	31.210	2.689
%RSD		2	47.890	14.000	0.000	1.369	0.957	1.422	1.437	0.589

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:05	1901.000	223.800	0.000	0.000	1108.000	3782.000	3738.000	95%	7.776
2	22:28:13	1852.000	223.700	0.000	0.000	1093.000	3688.000	3750.000	95%	8.385
3	22:29:21	1865.000	225.100	0.000	0.000	1090.000	3613.000	3693.000	96%	7.418
x		1873.000	224.200	0.000	0.000	1097.000	3695.000	3727.000	95%	7.860
σ		25.530	0.793	0.000	0.000	9.756	84.790	30.240	0%	0.489
%RSD		1.363	0.354	0.000	0.000	0.889	2.295	0.812	0	6.223

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:05	2.635	2.150	192.100	3843.000	30.270	3913.000	3762.000	1.140	5.238
2	22:28:13	1.127	2.064	187.200	3864.000	30.130	3904.000	3761.000	1.133	4.836
3	22:29:21	0.506	2.064	178.300	3804.000	30.090	3858.000	3772.000	1.072	4.785
x		1.422	2.093	185.900	3837.000	30.160	3892.000	3765.000	1.115	4.953
σ		1.095	0.049	7.016	30.710	0.094	29.630	6.283	0.037	0.248
%RSD		76.980	2.349	3.775	0.800	0.312	0.761	0.167	3.345	5.003

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:05	2.044	2.362	27.400	1.932	0.494	0.889	-0.310	0.490	0.552
2	22:28:13	2.129	1.981	26.910	2.207	-0.631	0.868	0.806	-0.628	1.961
3	22:29:21	2.128	2.281	25.550	1.898	-0.679	0.920	0.169	-0.675	2.905
x		2.100	2.208	26.620	2.012	-0.272	0.892	0.222	-0.271	1.806
σ		0.049	0.201	0.959	0.170	0.664	0.026	0.560	0.659	1.184
%RSD		2.328	9.106	3.602	8.430	243.900	2.934	252.600	243.400	65.570

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:05	0.327	0.048	0.097	0.048	0.077	0.000	100%	-1.536	0.025
2	22:28:13	0.156	0.095	0.080	0.090	0.074	0.004	99%	-2.448	0.014
3	22:29:21	0.314	0.061	0.043	0.110	0.037	0.004	100%	-2.381	0.033
x		0.266	0.068	0.073	0.083	0.063	0.003	100%	-2.122	0.024
σ		0.095	0.024	0.028	0.032	0.022	0.002	0%	0.508	0.009
%RSD		35.960	35.210	38.150	38.100	35.220	86.600	0	23.950	39.250

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:05	0.164	-1.544	0.030	0.040	0.129	0.203	25.060	24.510	102%
2	22:28:13	1.031	-2.460	0.033	-0.091	0.192	0.149	24.320	23.720	102%
3	22:29:21	0.609	-2.391	0.047	-0.110	0.115	0.087	25.210	23.100	102%
x		0.601	-2.132	0.037	-0.053	0.146	0.146	24.860	23.780	102%
σ		0.434	0.510	0.009	0.082	0.041	0.058	0.478	0.706	0%
%RSD		72.150	23.930	25.390	152.700	28.250	39.460	1.922	2.970	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:27:05	101%	0.007	0.015	5.767	5.311	5.522	102%	0.055
2	22:28:13	102%	0.007	0.018	5.804	5.375	5.544	101%	0.050
3	22:29:21	102%	0.011	0.019	6.042	5.258	5.583	102%	0.050
x		102%	0.008	0.017	5.871	5.315	5.549	102%	0.052
σ		0%	0.003	0.002	0.150	0.059	0.031	0%	0.003
%RSD		0	31.840	11.900	2.548	1.105	0.555	0	5.207

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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	22:35:00	95%	505.400	479.100	0.000	51190.000	50310.000	50900.000	50110.000	9748.000
2	22:36:08	95%	494.900	492.600	0.000	51250.000	50390.000	50940.000	48890.000	9708.000
3	22:37:16	96%	492.000	530.500	0.000	50950.000	49990.000	50690.000	50090.000	9753.000
x		95%	497.400	500.700	0.000	51130.000	50230.000	50840.000	49700.000	9736.000
σ		1%	7.046	26.640	0.000	158.700	210.700	133.800	701.200	24.400
%RSD		1	1.417	5.320	0.000	0.311	0.420	0.263	1.411	0.251

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:00	494.200	9835.000	0.000	0.000	25120.000	50800.000	50620.000	96%	509.200
2	22:36:08	481.400	9836.000	0.000	0.000	25230.000	50690.000	50360.000	96%	488.800
3	22:37:16	489.000	9875.000	0.000	0.000	25270.000	50950.000	50450.000	96%	501.800
x		488.200	9849.000	0.000	0.000	25210.000	50820.000	50480.000	96%	499.900
σ		6.452	22.680	0.000	0.000	78.160	130.600	135.800	0%	10.300
%RSD		1.322	0.230	0.000	0.000	0.310	0.257	0.269	0	2.060

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:00	498.700	501.900	86.620	25150.000	1018.000	25340.000	25210.000	499.400	499.500
2	22:36:08	499.100	499.400	76.830	25220.000	1009.000	25170.000	25030.000	495.600	498.400
3	22:37:16	493.300	497.600	76.740	25410.000	1012.000	25310.000	25170.000	497.100	496.900
x		497.000	499.600	80.060	25260.000	1013.000	25270.000	25140.000	497.400	498.300
σ		3.241	2.159	5.676	132.300	4.451	94.200	93.920	1.948	1.278
%RSD		0.652	0.432	7.089	0.524	0.439	0.373	0.374	0.392	0.256

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:00	1002.000	994.800	1025.000	499.700	504.700	-0.998	498.000	502.600	0.342
2	22:36:08	996.700	992.200	1024.000	499.800	495.600	-0.062	497.600	493.700	6.555
3	22:37:16	1006.000	999.500	1023.000	503.100	498.500	-0.064	498.600	496.500	1.704
x		1001.000	995.500	1024.000	500.800	499.600	-0.375	498.100	497.600	2.867
σ		4.616	3.699	0.680	1.931	4.677	0.540	0.550	4.541	3.266
%RSD		0.461	0.372	0.066	0.386	0.936	144.100	0.111	0.913	113.900

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:00	498.200	494.900	493.400	498.900	494.100	0.004	98%	503.100	501.000
2	22:36:08	496.400	498.400	498.900	499.100	493.000	0.000	97%	498.700	500.700
3	22:37:16	496.600	499.500	501.000	497.900	496.000	0.004	98%	504.200	504.200
x		497.100	497.600	497.800	498.600	494.400	0.003	98%	502.000	502.000
σ		1.011	2.407	3.915	0.639	1.500	0.003	0%	2.896	1.914
%RSD		0.203	0.484	0.787	0.128	0.303	86.600	0	0.577	0.381

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:00	3.727	503.000	502.000	505.100	499.300	502.200	2479.000	2479.000	103%
2	22:36:08	12.080	498.800	498.300	500.600	500.100	501.700	2508.000	2497.000	102%
3	22:37:16	14.490	504.300	501.000	499.600	506.300	504.500	2492.000	2484.000	103%
x		10.100	502.000	500.400	501.800	501.900	502.800	2493.000	2487.000	103%
σ		5.647	2.852	1.922	2.905	3.833	1.510	14.750	9.238	0%
%RSD		55.920	0.568	0.384	0.579	0.764	0.300	0.592	0.372	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:35:00	103%	499.900	504.800	499.400	497.800	499.600	101%	498.100
2	22:36:08	103%	498.000	499.900	503.800	502.500	501.200	100%	498.400
3	22:37:16	103%	495.200	503.400	505.100	497.700	499.400	101%	498.000
x		103%	497.700	502.700	502.700	499.300	500.100	100%	498.200
σ		0%	2.385	2.505	2.961	2.731	1.006	0%	0.192
%RSD		0	0.479	0.498	0.589	0.547	0.201	0	0.039

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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	22:42:53	97%	0.173	9.035	0.000	46.540	0.958	1.697	0.296	2.573
2	22:44:01	97%	0.032	7.068	0.000	53.700	8.756	8.164	8.211	3.017
3	22:45:09	99%	0.160	4.141	0.000	37.530	5.299	4.816	5.162	3.045
x		98%	0.122	6.748	0.000	45.920	5.004	4.892	4.556	2.878
σ		1%	0.078	2.463	0.000	8.101	3.907	3.234	3.992	0.265
%RSD		1	64.350	36.490	0.000	17.640	78.070	66.110	87.630	9.202
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:53	0.052	-6.142	0.000	0.000	26.420	18.190	13.230	99%	0.171
2	22:44:01	0.110	-8.571	0.000	0.000	31.130	29.370	12.980	100%	0.237
3	22:45:09	-1.536	-6.093	0.000	0.000	26.860	8.456	8.681	99%	0.379
x		-0.458	-6.935	0.000	0.000	28.140	18.670	11.630	99%	0.262
σ		0.934	1.417	0.000	0.000	2.599	10.470	2.557	0%	0.106
%RSD		203.900	20.430	0.000	0.000	9.237	56.050	21.990	0	40.490
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:53	-0.826	0.140	54.690	0.525	0.094	-3.731	-12.270	0.021	-0.079
2	22:44:01	-0.559	0.112	52.520	0.852	0.196	-0.792	-7.789	0.092	-0.020
3	22:45:09	0.935	0.156	49.050	0.430	0.162	-2.058	-6.416	0.044	-0.186
x		-0.150	0.136	52.090	0.602	0.151	-2.194	-8.826	0.053	-0.095
σ		0.949	0.022	2.848	0.222	0.052	1.474	3.063	0.036	0.084
%RSD		634.200	16.190	5.468	36.800	34.270	67.190	34.700	68.760	88.200
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:53	0.043	0.036	-0.236	0.485	0.673	0.267	0.287	0.669	-2.457
2	22:44:01	0.152	0.120	0.048	-0.095	-0.460	0.331	0.273	-0.457	1.737
3	22:45:09	0.149	0.157	0.142	-0.130	0.424	0.321	-0.072	0.421	-4.149
x		0.115	0.104	-0.015	0.087	0.212	0.306	0.162	0.211	-1.623
σ		0.062	0.062	0.197	0.345	0.595	0.035	0.203	0.592	3.030
%RSD		54.350	59.720	1298.000	396.400	280.500	11.270	125.100	280.800	186.700
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:53	0.291	0.274	0.211	0.266	0.271	0.004	103%	-2.766	0.036
2	22:44:01	0.199	0.283	0.220	0.224	0.233	0.008	104%	-2.423	0.118
3	22:45:09	0.156	0.139	0.174	0.165	0.231	0.000	103%	-0.977	0.076
x		0.215	0.232	0.202	0.218	0.245	0.004	103%	-2.055	0.077
σ		0.069	0.080	0.024	0.051	0.023	0.004	1%	0.949	0.041
%RSD		32.130	34.670	12.030	23.310	9.187	99.660	1	46.190	53.910
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:42:53	0.717	-2.777	0.052	-0.199	0.514	0.738	0.004	0.020	105%
2	22:44:01	0.624	-2.430	0.112	-0.106	0.408	0.650	0.384	0.340	105%
3	22:45:09	-0.025	-0.984	0.035	-0.069	0.241	0.473	0.149	0.195	105%
x		0.439	-2.063	0.066	-0.125	0.388	0.620	0.179	0.185	105%
σ		0.405	0.951	0.040	0.067	0.138	0.135	0.192	0.160	0%
%RSD		92.220	46.080	60.940	53.750	35.530	21.700	107.000	86.620	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	22:42:53	105%	0.107	0.078	0.006	0.031	0.020	105%	0.019	
2	22:44:01	106%	0.163	0.185	0.067	0.086	0.078	105%	0.059	
3	22:45:09	105%	0.128	0.097	0.037	0.062	0.055	105%	0.044	
x		105%	0.133	0.120	0.037	0.060	0.051	105%	0.041	
σ		0%	0.028	0.057	0.030	0.028	0.029	0%	0.020	
%RSD		0	21.030	47.190	82.110	46.590	56.830	0	48.730	

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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	22:50:46	101%	0.037	16.930	0.000	618.900	77.460	79.040	74.510	8.746
2	22:51:54	99%	-0.006	17.280	0.000	631.500	76.950	74.300	76.070	9.527
3	22:53:02	102%	0.098	13.370	0.000	587.500	75.910	76.760	71.620	8.060
x		101%	0.043	15.860	0.000	612.600	76.770	76.700	74.070	8.778
σ		2%	0.052	2.165	0.000	22.630	0.788	2.368	2.257	0.734
%RSD		2	122.100	13.650	0.000	3.694	1.026	3.088	3.047	8.359
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:46	41.680	-2.301	0.000	0.000	119.500	847.600	922.600	96%	0.753
2	22:51:54	41.040	1.607	0.000	0.000	133.200	890.400	906.400	95%	0.690
3	22:53:02	39.930	3.994	0.000	0.000	121.300	837.600	901.900	97%	0.558
x		40.880	1.100	0.000	0.000	124.700	858.500	910.300	96%	0.667
σ		0.888	3.178	0.000	0.000	7.455	28.090	10.910	1%	0.100
%RSD		2.171	288.900	0.000	0.000	5.980	3.272	1.198	1	14.960
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:46	-7.794	2.633	621.800	61.840	1.617	34.850	10.420	0.004	0.504
2	22:51:54	-5.929	3.147	717.700	65.330	1.719	35.160	11.870	0.007	0.729
3	22:53:02	-7.783	3.290	769.500	65.410	1.563	34.350	10.950	-0.004	0.627
x		-7.169	3.024	703.000	64.190	1.633	34.790	11.080	0.002	0.620
σ		1.073	0.346	74.930	2.039	0.080	0.410	0.731	0.006	0.112
%RSD		14.970	11.430	10.660	3.176	4.871	1.178	6.595	263.400	18.120
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:46	1.727	1.977	10.770	0.548	-0.377	3.383	-0.061	-0.376	4.477
2	22:51:54	1.928	1.938	10.220	-1.085	-1.047	4.136	0.499	-1.041	5.839
3	22:53:02	1.750	2.022	10.170	1.314	-0.372	3.981	-0.509	-0.370	1.152
x		1.802	1.979	10.390	0.259	-0.599	3.834	-0.024	-0.596	3.823
σ		0.110	0.042	0.334	1.226	0.388	0.398	0.505	0.386	2.411
%RSD		6.110	2.099	3.213	473.000	64.830	10.370	2118.000	64.770	63.060
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:46	0.240	0.043	0.112	0.049	0.091	0.009	98%	-1.171	0.090
2	22:51:54	0.146	0.023	0.056	0.122	0.087	0.013	98%	-2.820	0.038
3	22:53:02	0.302	0.035	0.054	0.161	0.053	0.000	100%	-1.972	0.031
x		0.229	0.034	0.074	0.111	0.077	0.007	99%	-1.988	0.053
σ		0.079	0.010	0.033	0.057	0.021	0.007	1%	0.825	0.032
%RSD		34.260	30.120	44.190	51.040	27.160	91.530	1	41.480	60.990
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:50:46	0.066	-1.179	0.060	-0.035	0.905	0.455	1.948	1.692	100%
2	22:51:54	0.742	-2.831	0.064	-0.110	0.631	0.338	1.614	1.822	101%
3	22:53:02	0.682	-1.978	0.026	-0.148	0.602	0.281	1.529	1.589	101%
x		0.497	-1.996	0.050	-0.097	0.713	0.358	1.697	1.701	100%
σ		0.374	0.826	0.021	0.058	0.167	0.088	0.221	0.117	1%
%RSD		75.360	41.390	41.880	59.200	23.450	24.720	13.050	6.854	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	22:50:46	100%	0.274	0.244	1.162	1.159	1.145	100%	0.003	
2	22:51:54	100%	0.128	0.153	1.257	1.115	1.130	101%	0.002	
3	22:53:02	101%	0.114	0.108	1.134	1.180	1.129	100%	-0.001	
x		100%	0.172	0.169	1.184	1.151	1.135	100%	0.001	
σ		0%	0.089	0.069	0.064	0.033	0.009	0%	0.002	
%RSD		0	51.490	40.870	5.414	2.880	0.806	0	184.400	

Reviewed By: [illegible]
On: 11/22/2011 1:16:48 PM
Init Id: SP6

C4481-05 MB9TC1 11/17/2011 10:57:31 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	22:58:39	101%	0.135	95.490	0.000	57440.000	19160.000	19060.000	18870.000	225.500
2	22:59:47	101%	0.184	85.870	0.000	57650.000	19170.000	19100.000	18880.000	220.500
3	23:00:55	105%	-0.026	103.000	0.000	56710.000	18740.000	18750.000	18630.000	216.100
x		103%	0.098	94.780	0.000	57270.000	19020.000	18970.000	18790.000	220.700
σ		2%	0.110	8.568	0.000	491.100	247.300	191.100	142.100	4.665
%RSD		2	112.400	9.041	0.000	0.858	1.300	1.008	0.756	2.114
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:39	7821.000	231.100	0.000	0.000	7177.000	59720.000	58830.000	96%	9.319
2	22:59:47	7767.000	235.300	0.000	0.000	7204.000	59580.000	59250.000	97%	9.492
3	23:00:55	7593.000	233.100	0.000	0.000	7175.000	58850.000	58680.000	98%	7.825
x		7727.000	233.200	0.000	0.000	7186.000	59380.000	58920.000	97%	8.879
σ		119.300	2.087	0.000	0.000	15.980	464.600	297.300	1%	0.917
%RSD		1.544	0.895	0.000	0.000	0.222	0.782	0.505	1	10.320
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:39	-3.987	6.010	707.500	1319.000	163.000	1370.000	1440.000	0.835	6.083
2	22:59:47	-5.290	6.307	776.400	1338.000	163.100	1382.000	1447.000	0.749	5.963
3	23:00:55	-1.627	6.245	811.000	1328.000	162.400	1372.000	1454.000	0.868	6.314
x		-3.635	6.187	765.000	1328.000	162.800	1375.000	1447.000	0.818	6.120
σ		1.856	0.157	52.700	9.370	0.362	6.450	6.876	0.062	0.178
%RSD		51.070	2.538	6.889	0.705	0.223	0.469	0.475	7.547	2.915
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:39	8.213	8.116	32.650	0.822	0.762	4.341	0.687	0.759	2.525
2	22:59:47	8.550	8.315	32.810	2.288	-0.786	4.500	0.690	-0.784	6.837
3	23:00:55	8.517	8.586	32.220	4.308	1.158	4.382	1.066	1.155	-1.454
x		8.427	8.339	32.560	2.472	0.378	4.408	0.814	0.377	2.636
σ		0.186	0.236	0.308	1.750	1.027	0.083	0.218	1.024	4.147
%RSD		2.202	2.832	0.947	70.790	271.700	1.875	26.820	271.800	157.300
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:39	2.086	1.462	1.535	1.664	1.478	0.009	97%	-2.165	0.041
2	22:59:47	2.084	1.431	1.609	1.466	1.558	0.000	98%	-1.592	0.038
3	23:00:55	1.963	1.527	1.471	1.621	1.434	0.004	98%	-0.637	0.043
x		2.045	1.473	1.538	1.584	1.490	0.004	97%	-1.465	0.041
σ		0.070	0.049	0.069	0.104	0.063	0.004	1%	0.772	0.002
%RSD		3.443	3.351	4.498	6.568	4.218	100.400	1	52.690	5.243
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:58:39	0.650	-2.180	0.036	0.084	0.720	0.743	96.510	97.340	101%
2	22:59:47	0.323	-1.605	0.038	0.019	0.675	0.744	94.560	96.310	101%
3	23:00:55	-0.039	-0.651	0.040	0.221	0.646	0.737	98.530	97.830	102%
x		0.311	-1.478	0.038	0.108	0.680	0.741	96.530	97.160	101%
σ		0.345	0.772	0.002	0.104	0.037	0.004	1.984	0.776	1%
%RSD		110.700	52.230	4.948	95.860	5.442	0.501	2.056	0.799	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	22:58:39	101%	0.070	0.062	8.257	7.895	7.955	99%	0.473	
2	22:59:47	101%	0.054	0.038	8.471	8.036	8.097	99%	0.457	
3	23:00:55	102%	0.063	0.038	8.512	7.997	8.127	100%	0.455	
x		101%	0.062	0.046	8.413	7.976	8.060	99%	0.462	
σ		0%	0.008	0.014	0.137	0.073	0.092	1%	0.010	
%RSD		0	13.020	30.050	1.628	0.911	1.144	1	2.115	

Reviewed By jaswal
on 11/22/2011 1:16:48 PM
Method: Pb

C4481-06 MB9TC1D 11/17/2011 11:05:26 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	23:06:34	102%	-0.017	90.390	0.000	57640.000	19060.000	18960.000	18690.000	216.200
2	23:07:42	102%	0.016	88.310	0.000	57800.000	19170.000	18980.000	18760.000	220.100
3	23:08:50	104%	0.073	97.200	0.000	57060.000	18900.000	18740.000	18480.000	214.600
x		103%	0.024	91.960	0.000	57500.000	19040.000	18900.000	18640.000	216.900
σ		1%	0.046	4.653	0.000	389.000	136.400	134.600	146.600	2.843
%RSD		1	191.800	5.060	0.000	0.676	0.716	0.712	0.786	1.310

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:34	7702.000	230.900	0.000	0.000	7196.000	58480.000	59190.000	96%	8.587
2	23:07:42	7690.000	228.800	0.000	0.000	7226.000	58580.000	59450.000	96%	8.870
3	23:08:50	7544.000	234.500	0.000	0.000	7161.000	58970.000	58710.000	96%	9.530
x		7646.000	231.400	0.000	0.000	7194.000	58680.000	59110.000	96%	8.996
σ		88.050	2.878	0.000	0.000	32.230	260.900	376.000	0%	0.484
%RSD		1.152	1.244	0.000	0.000	0.448	0.445	0.636	0	5.382

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:34	-2.969	5.252	1008.000	1340.000	164.100	1380.000	1467.000	0.838	4.853
2	23:07:42	-3.130	5.258	1099.000	1347.000	163.500	1385.000	1458.000	0.822	4.953
3	23:08:50	-4.495	5.418	1159.000	1345.000	164.200	1376.000	1436.000	0.746	4.890
x		-3.532	5.310	1089.000	1344.000	163.900	1380.000	1454.000	0.802	4.899
σ		0.838	0.094	75.850	3.788	0.341	4.624	15.690	0.049	0.050
%RSD		23.740	1.773	6.968	0.282	0.208	0.335	1.080	6.129	1.027

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:34	7.411	7.230	27.550	0.842	0.140	6.455	0.190	0.139	0.437
2	23:07:42	7.184	6.825	30.040	3.969	0.654	6.390	0.424	0.650	1.727
3	23:08:50	7.617	7.631	28.770	2.629	1.798	7.102	-0.111	1.792	-3.065
x		7.404	7.229	28.790	2.480	0.864	6.649	0.168	0.860	-0.300
σ		0.217	0.403	1.248	1.569	0.849	0.394	0.268	0.846	2.479
%RSD		2.926	5.576	4.337	63.270	98.270	5.924	159.800	98.350	825.600

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:34	2.312	1.536	1.748	1.612	1.606	0.004	96%	-2.921	0.041
2	23:07:42	2.263	1.493	1.654	1.520	1.542	0.000	98%	-2.458	0.010
3	23:08:50	2.027	1.535	1.672	1.579	1.539	0.013	96%	-2.488	0.048
x		2.201	1.521	1.691	1.570	1.562	0.006	97%	-2.622	0.033
σ		0.152	0.025	0.050	0.047	0.037	0.007	1%	0.260	0.020
%RSD		6.926	1.644	2.943	2.970	2.397	114.600	1	9.895	60.160

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:34	1.191	-2.936	0.045	-0.139	0.589	0.699	97.730	96.170	101%
2	23:07:42	0.911	-2.471	0.027	-0.098	0.464	0.642	97.130	95.800	101%
3	23:08:50	0.661	-2.503	0.036	-0.049	0.578	0.711	97.460	96.760	101%
x		0.921	-2.637	0.036	-0.095	0.543	0.684	97.440	96.240	101%
σ		0.265	0.260	0.009	0.045	0.069	0.037	0.302	0.487	0%
%RSD		28.750	9.850	25.510	46.860	12.730	5.426	0.310	0.506	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:06:34	100%	0.030	0.035	8.432	7.844	8.162	98%	0.478
2	23:07:42	102%	0.028	0.038	8.560	7.963	8.198	99%	0.465
3	23:08:50	102%	0.026	0.021	8.498	7.891	8.161	99%	0.473
x		101%	0.028	0.031	8.497	7.899	8.174	99%	0.472
σ		1%	0.002	0.009	0.064	0.060	0.021	1%	0.007
%RSD		1	7.191	29.400	0.753	0.760	0.259	1	1.382

Reviewed By:jaswal
11/22/2011 1:16:48 PM

C4481-05LX5 MB9TC1L 11/17/2011 11:13:20 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	23:14:29	96%	0.091	27.100	0.000	11930.000	4061.000	3926.000	3899.000	46.450
2	23:15:37	95%	0.113	16.710	0.000	12010.000	4063.000	3936.000	3932.000	45.430
3	23:16:45	95%	-0.011	23.130	0.000	11960.000	4047.000	3901.000	3901.000	45.360
x		95%	0.064	22.310	0.000	11970.000	4057.000	3921.000	3910.000	45.750
σ		1%	0.066	5.243	0.000	42.110	8.501	18.070	18.460	0.610
%RSD		1	103.600	23.500	0.000	0.352	0.210	0.461	0.472	1.333

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:29	1545.000	39.010	0.000	0.000	1540.000	12030.000	12020.000	95%	2.018
2	23:15:37	1584.000	44.090	0.000	0.000	1542.000	12140.000	12060.000	95%	1.509
3	23:16:45	1571.000	43.620	0.000	0.000	1531.000	12070.000	11910.000	95%	2.235
x		1567.000	42.240	0.000	0.000	1538.000	12080.000	12000.000	95%	1.921
σ		19.500	2.808	0.000	0.000	5.509	53.870	79.060	0%	0.373
%RSD		1.244	6.649	0.000	0.000	0.358	0.446	0.659	0	19.410

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:29	-1.147	1.636	291.400	266.000	32.930	281.200	277.400	0.167	1.247
2	23:15:37	-0.860	1.825	284.900	270.400	33.220	280.700	275.600	0.177	1.046
3	23:16:45	-0.864	1.698	277.400	268.700	33.160	277.200	283.400	0.146	1.142
x		-0.957	1.720	284.600	268.400	33.100	279.700	278.800	0.164	1.145
σ		0.164	0.096	7.015	2.250	0.153	2.165	4.085	0.016	0.101
%RSD		17.180	5.601	2.465	0.839	0.463	0.774	1.465	9.685	8.784

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:29	1.667	1.824	6.533	1.083	-0.068	1.760	0.067	-0.068	1.762
2	23:15:37	1.837	1.612	6.900	0.308	0.397	1.734	0.008	0.394	0.347
3	23:16:45	1.556	1.857	6.696	0.184	-0.016	1.717	0.315	-0.016	-2.434
x		1.686	1.764	6.710	0.525	0.104	1.737	0.130	0.103	-0.108
σ		0.142	0.133	0.184	0.487	0.255	0.022	0.163	0.253	2.135
%RSD		8.400	7.527	2.743	92.860	244.400	1.262	125.300	245.100	1975.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:29	0.487	0.257	0.390	0.312	0.323	0.004	98%	-1.384	0.004
2	23:15:37	0.333	0.229	0.425	0.217	0.313	0.000	98%	-1.848	0.010
3	23:16:45	0.379	0.248	0.363	0.374	0.289	0.000	98%	-3.022	0.027
x		0.400	0.245	0.393	0.301	0.308	0.001	98%	-2.085	0.014
σ		0.079	0.014	0.031	0.079	0.018	0.003	0%	0.844	0.012
%RSD		19.760	5.848	7.874	26.270	5.691	173.200	0	40.490	87.290

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:29	0.098	-1.398	0.014	-0.031	0.089	0.128	19.310	18.580	102%
2	23:15:37	0.305	-1.860	0.029	-0.072	0.122	0.053	19.780	20.240	101%
3	23:16:45	1.030	-3.034	0.011	-0.200	0.072	0.070	19.690	19.330	101%
x		0.478	-2.097	0.018	-0.101	0.095	0.084	19.600	19.380	101%
σ		0.490	0.843	0.010	0.088	0.025	0.039	0.248	0.828	1%
%RSD		102.400	40.210	53.440	87.460	26.700	47.000	1.267	4.270	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:14:29	102%	0.009	0.010	1.692	1.586	1.663	101%	0.072
2	23:15:37	102%	-0.007	0.011	1.627	1.573	1.609	101%	0.083
3	23:16:45	101%	-0.001	-0.005	1.677	1.609	1.613	101%	0.089
x		101%	0.000	0.005	1.665	1.589	1.628	101%	0.082
σ		1%	0.008	0.009	0.034	0.018	0.030	0%	0.009
%RSD		1	1895.000	178.600	2.040	1.155	1.831	0	10.490

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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	23:22:23	99%	171.000	105.700	0.000	64880.000	21250.000	21090.000	20720.000	7028.000
2	23:23:31	100%	166.200	112.200	0.000	64860.000	21050.000	20950.000	20550.000	6946.000
3	23:24:39	101%	166.700	112.100	0.000	64920.000	21110.000	20930.000	20490.000	6955.000
x		100%	168.000	110.000	0.000	64890.000	21140.000	20990.000	20590.000	6976.000
σ		1%	2.619	3.694	0.000	32.480	101.100	88.750	124.300	45.040
%RSD		1	1.559	3.358	0.000	0.050	0.479	0.423	0.604	0.646
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:22:23	8645.000	279.200	0.000	0.000	8155.000	66610.000	67310.000	91%	9.480
2	23:23:31	8498.000	265.100	0.000	0.000	8130.000	66980.000	66510.000	92%	11.000
3	23:24:39	8491.000	269.300	0.000	0.000	8131.000	66870.000	67270.000	91%	13.230
x		8544.000	271.200	0.000	0.000	8139.000	66820.000	67030.000	91%	11.240
σ		86.920	7.237	0.000	0.000	14.360	190.900	448.900	1%	1.888
%RSD		1.017	2.669	0.000	0.000	0.176	0.286	0.670	1	16.800
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:22:23	1706.000	692.700	1056.000	4974.000	1912.000	4939.000	5019.000	1703.000	1713.000
2	23:23:31	1696.000	690.600	1217.000	4953.000	1906.000	4921.000	4938.000	1710.000	1708.000
3	23:24:39	1694.000	692.700	1363.000	4988.000	1925.000	4966.000	4976.000	1713.000	1722.000
x		1699.000	692.000	1212.000	4972.000	1914.000	4942.000	4978.000	1709.000	1715.000
σ		6.635	1.221	154.000	17.850	9.765	22.830	40.420	4.822	7.072
%RSD		0.391	0.177	12.700	0.359	0.510	0.462	0.812	0.282	0.412
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:22:23	879.000	877.300	1825.000	147.200	346.700	6.664	344.900	345.400	1.354
2	23:23:31	871.200	864.400	1797.000	145.600	352.500	7.356	341.700	351.300	0.523
3	23:24:39	876.400	873.700	1826.000	150.200	347.500	7.417	350.800	346.000	4.512
x		875.500	871.800	1816.000	147.600	348.900	7.146	345.800	347.600	2.130
σ		3.933	6.628	16.420	2.331	3.143	0.418	4.645	3.250	2.104
%RSD		0.449	0.760	0.905	1.579	0.901	5.851	1.343	0.935	98.820
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:22:23	3.311	1.847	1.907	1.759	1.849	0.018	92%	180.200	170.000
2	23:23:31	3.628	1.699	2.022	1.712	1.826	0.023	93%	183.900	169.600
3	23:24:39	3.692	1.945	2.119	1.971	1.858	0.014	93%	182.200	171.100
x		3.544	1.830	2.016	1.814	1.844	0.018	93%	182.100	170.200
σ		0.204	0.124	0.106	0.138	0.017	0.005	1%	1.852	0.793
%RSD		5.753	6.773	5.259	7.603	0.896	25.100	1	1.017	0.466
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:22:23	-0.549	180.200	170.600	179.800	0.727	357.500	6967.000	6937.000	97%
2	23:23:31	0.906	183.900	169.100	180.500	0.712	355.300	6908.000	6889.000	98%
3	23:24:39	3.401	182.100	169.400	181.500	0.810	356.000	6862.000	6888.000	99%
x		1.252	182.100	169.700	180.600	0.750	356.300	6912.000	6905.000	98%
σ		1.998	1.824	0.800	0.812	0.053	1.100	52.640	27.880	1%
%RSD		159.500	1.002	0.471	0.449	7.017	0.309	0.762	0.404	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	23:22:23	97%	176.200	177.100	85.830	78.160	80.660	95%	0.532	
2	23:23:31	99%	176.100	178.100	85.230	77.440	80.600	96%	0.547	
3	23:24:39	99%	174.600	176.000	85.050	77.810	80.510	97%	0.543	
x		98%	175.700	177.100	85.370	77.800	80.590	96%	0.541	
σ		1%	0.900	1.063	0.410	0.361	0.077	1%	0.008	
%RSD		1	0.512	0.600	0.481	0.464	0.095	1	1.426	

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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	23:30:18	94%	17.250	12.570	0.000	6851.000	2298.000	2241.000	2192.000	739.500
2	23:31:26	92%	17.950	14.900	0.000	7114.000	2397.000	2338.000	2292.000	772.900
3	23:32:34	91%	18.500	13.040	0.000	7038.000	2397.000	2337.000	2295.000	767.700
x		93%	17.900	13.500	0.000	7001.000	2364.000	2305.000	2260.000	760.000
σ		2%	0.630	1.232	0.000	135.100	56.780	56.000	58.930	17.980
%RSD		2	3.521	9.126	0.000	1.930	2.402	2.429	2.608	2.366
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:18	899.400	16.260	0.000	0.000	902.400	6950.000	6984.000	94%	1.414
2	23:31:26	942.200	20.310	0.000	0.000	940.800	7251.000	7102.000	92%	0.888
3	23:32:34	933.200	22.560	0.000	0.000	929.100	7063.000	7084.000	93%	1.216
x		924.900	19.710	0.000	0.000	924.100	7088.000	7057.000	93%	1.172
σ		22.540	3.197	0.000	0.000	19.680	152.000	63.640	1%	0.266
%RSD		2.437	16.220	0.000	0.000	2.130	2.145	0.902	1	22.670
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:18	171.900	72.330	265.800	516.300	195.300	526.600	496.400	174.900	175.700
2	23:31:26	176.700	74.460	260.000	529.000	202.200	544.600	517.200	182.200	180.800
3	23:32:34	178.100	72.890	252.500	521.500	201.500	540.300	514.100	179.800	182.300
x		175.600	73.230	259.400	522.300	199.700	537.100	509.200	179.000	179.600
σ		3.248	1.103	6.680	6.346	3.797	9.391	11.200	3.676	3.486
%RSD		1.850	1.507	2.575	1.215	1.902	1.748	2.200	2.054	1.941
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:18	89.410	91.190	189.100	16.310	37.340	1.292	35.010	37.150	-1.617
2	23:31:26	92.740	93.910	195.200	15.850	36.980	1.567	36.120	36.740	-0.465
3	23:32:34	92.550	93.240	193.100	15.490	34.980	1.393	34.960	34.750	0.514
x		91.570	92.780	192.500	15.880	36.440	1.417	35.360	36.210	-0.523
σ		1.867	1.415	3.060	0.413	1.271	0.140	0.657	1.283	1.067
%RSD		2.039	1.525	1.590	2.599	3.487	9.841	1.857	3.542	204.100
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:18	0.458	0.105	0.238	0.242	0.216	0.004	97%	16.270	16.870
2	23:31:26	0.319	0.180	0.253	0.254	0.221	0.004	96%	16.080	17.150
3	23:32:34	0.386	0.185	0.269	0.262	0.272	0.004	97%	14.370	17.150
x		0.387	0.157	0.253	0.253	0.236	0.004	97%	15.570	17.060
σ		0.069	0.045	0.015	0.010	0.031	0.000	0%	1.049	0.164
%RSD		17.940	28.720	6.080	4.135	13.250	0.396	0	6.737	0.958
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:30:18	0.581	16.270	16.720	19.000	0.051	35.980	710.100	706.100	101%
2	23:31:26	-0.094	16.080	17.560	18.110	0.012	36.840	734.400	734.500	99%
3	23:32:34	1.548	14.370	17.000	17.910	0.085	36.710	726.600	720.400	100%
x		0.678	15.570	17.090	18.340	0.049	36.510	723.700	720.300	100%
σ		0.826	1.046	0.430	0.581	0.037	0.465	12.420	14.170	1%
%RSD		121.700	6.717	2.516	3.170	74.590	1.273	1.716	1.967	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	23:30:18	101%	17.940	17.890	8.603	7.780	8.120	101%	0.046	
2	23:31:26	100%	18.220	18.430	8.876	8.115	8.369	100%	0.048	
3	23:32:34	101%	18.070	18.400	8.789	7.907	8.281	100%	0.053	
x		101%	18.080	18.240	8.756	7.934	8.257	100%	0.049	
σ		1%	0.138	0.303	0.140	0.169	0.126	1%	0.003	
%RSD		1	0.762	1.659	1.596	2.132	1.531	1	6.907	

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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	23:38:13	96%	0.056	91.550	0.000	56070.000	19550.000	19320.000	18970.000	717.800
2	23:39:21	97%	0.154	97.760	0.000	56860.000	19600.000	19260.000	18950.000	711.200
3	23:40:29	96%	0.180	93.480	0.000	57200.000	19760.000	19410.000	19170.000	722.500
x		96%	0.130	94.270	0.000	56710.000	19640.000	19330.000	19030.000	717.200
σ		1%	0.066	3.180	0.000	579.400	108.000	72.910	125.500	5.672
%RSD		1	50.500	3.373	0.000	1.022	0.550	0.377	0.660	0.791
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:13	8243.000	246.000	0.000	0.000	7213.000	58350.000	58610.000	93%	21.900
2	23:39:21	8271.000	248.900	0.000	0.000	7217.000	60190.000	59440.000	92%	21.650
3	23:40:29	8363.000	254.300	0.000	0.000	7255.000	59960.000	59270.000	93%	20.030
x		8293.000	249.800	0.000	0.000	7228.000	59500.000	59110.000	93%	21.190
σ		62.810	4.214	0.000	0.000	23.360	1000.000	441.700	0%	1.018
%RSD		0.757	1.687	0.000	0.000	0.323	1.681	0.747	0	4.806
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:13	-3.034	10.540	729.800	2060.000	226.100	2173.000	2171.000	1.209	7.618
2	23:39:21	-1.302	10.960	843.900	2090.000	228.300	2189.000	2222.000	1.271	7.854
3	23:40:29	-0.705	10.880	904.000	2081.000	227.800	2164.000	2149.000	1.173	7.571
x		-1.680	10.790	825.900	2077.000	227.400	2176.000	2180.000	1.218	7.681
σ		1.210	0.226	88.480	15.000	1.137	12.630	37.430	0.050	0.152
%RSD		72.000	2.095	10.710	0.722	0.500	0.581	1.717	4.084	1.975
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:13	7.188	7.193	28.260	2.027	0.146	4.610	1.322	0.145	3.677
2	23:39:21	7.272	7.737	29.270	-0.969	0.521	5.896	0.527	0.519	1.859
3	23:40:29	6.900	7.496	28.060	2.695	0.091	5.528	0.486	0.091	4.636
x		7.120	7.475	28.530	1.251	0.253	5.345	0.778	0.252	3.391
σ		0.195	0.273	0.650	1.952	0.234	0.662	0.471	0.233	1.410
%RSD		2.739	3.647	2.277	156.000	92.580	12.390	60.510	92.630	41.590
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:13	2.889	1.816	1.863	1.477	1.954	0.009	93%	-1.279	0.084
2	23:39:21	2.639	1.797	1.845	1.572	1.674	0.005	94%	-1.637	0.036
3	23:40:29	2.863	1.696	1.731	1.475	1.764	0.018	94%	-1.462	0.063
x		2.797	1.770	1.813	1.508	1.797	0.011	94%	-1.459	0.061
σ		0.138	0.064	0.072	0.055	0.143	0.007	0%	0.179	0.024
%RSD		4.923	3.641	3.948	3.662	7.952	65.030	0	12.270	38.970
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:38:13	0.121	-1.296	0.038	-0.002	0.449	0.709	106.000	105.000	99%
2	23:39:21	0.350	-1.653	0.049	-0.027	0.379	0.690	104.200	105.900	99%
3	23:40:29	0.408	-1.479	0.030	0.021	0.437	0.779	106.400	104.600	100%
x		0.293	-1.476	0.039	-0.003	0.421	0.726	105.500	105.200	99%
σ		0.152	0.178	0.009	0.024	0.038	0.047	1.173	0.685	1%
%RSD		51.680	12.070	24.010	892.600	8.910	6.465	1.112	0.651	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	23:38:13	99%	0.213	0.187	7.475	6.791	7.188	97%	0.511	
2	23:39:21	99%	0.157	0.192	7.433	6.979	7.251	97%	0.493	
3	23:40:29	100%	0.161	0.156	7.513	7.004	7.271	98%	0.480	
x		99%	0.177	0.179	7.474	6.925	7.237	97%	0.495	
σ		0%	0.031	0.020	0.040	0.116	0.043	1%	0.016	
%RSD		0	17.690	10.990	0.531	1.680	0.597	1	3.153	

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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	23:46:08	99%	0.061	89.830	0.000	58620.000	19160.000	18960.000	18790.000	237.600
2	23:47:16	97%	-0.001	92.650	0.000	59150.000	19370.000	19080.000	18850.000	236.800
3	23:48:24	98%	0.013	93.600	0.000	58700.000	19360.000	19060.000	18720.000	235.200
x		98%	0.024	92.030	0.000	58820.000	19300.000	19030.000	18790.000	236.600
σ		1%	0.032	1.962	0.000	285.900	116.900	66.560	68.760	1.186
%RSD		1	135.000	2.131	0.000	0.486	0.606	0.350	0.366	0.502
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:08	7731.000	249.500	0.000	0.000	7306.000	60400.000	60430.000	93%	9.530
2	23:47:16	7693.000	252.100	0.000	0.000	7301.000	60920.000	60280.000	93%	9.269
3	23:48:24	7662.000	251.400	0.000	0.000	7325.000	60290.000	59800.000	93%	9.296
x		7695.000	251.000	0.000	0.000	7311.000	60540.000	60170.000	93%	9.365
σ		34.370	1.332	0.000	0.000	13.060	337.300	330.500	0%	0.143
%RSD		0.447	0.530	0.000	0.000	0.179	0.557	0.549	0	1.531
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:08	-3.242	4.697	608.200	1262.000	156.000	1306.000	1365.000	0.715	5.113
2	23:47:16	1.245	4.671	644.700	1274.000	156.800	1305.000	1371.000	0.767	5.144
3	23:48:24	-2.719	5.040	676.300	1263.000	154.700	1313.000	1367.000	0.811	5.612
x		-1.572	4.803	643.100	1266.000	155.800	1308.000	1368.000	0.764	5.290
σ		2.454	0.206	34.050	6.650	1.035	4.412	2.931	0.048	0.279
%RSD		156.100	4.284	5.294	0.525	0.664	0.337	0.214	6.307	5.279
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:08	8.170	8.313	35.780	3.221	0.998	3.688	0.524	0.994	0.726
2	23:47:16	7.926	8.534	36.810	2.157	1.309	4.077	1.818	1.303	-1.127
3	23:48:24	7.819	7.919	35.960	3.328	0.777	3.982	0.458	0.773	-1.513
x		7.971	8.256	36.180	2.902	1.028	3.916	0.933	1.023	-0.638
σ		0.180	0.311	0.549	0.648	0.267	0.203	0.767	0.266	1.197
%RSD		2.255	3.773	1.517	22.310	26.000	5.172	82.200	26.020	187.600
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:08	2.882	1.480	1.543	1.576	1.596	0.009	94%	-2.001	0.027
2	23:47:16	3.196	1.653	1.918	1.434	1.558	0.009	95%	-3.826	0.036
3	23:48:24	2.955	1.408	1.550	1.611	1.585	0.013	95%	-0.438	0.038
x		3.011	1.513	1.670	1.541	1.580	0.010	95%	-2.088	0.033
σ		0.164	0.126	0.215	0.094	0.019	0.003	1%	1.696	0.006
%RSD		5.459	8.329	12.850	6.078	1.226	24.220	1	81.200	16.560
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:46:08	0.446	-2.019	0.012	0.015	0.806	0.571	97.280	97.860	100%
2	23:47:16	1.401	-3.845	0.044	-0.102	0.917	0.513	97.250	97.770	101%
3	23:48:24	-0.122	-0.455	0.021	0.090	0.758	0.638	98.990	97.150	101%
x		0.575	-2.106	0.026	0.001	0.827	0.574	97.840	97.590	101%
σ		0.770	1.696	0.016	0.097	0.082	0.062	0.999	0.388	1%
%RSD		133.900	80.540	63.170	12330.000	9.876	10.860	1.021	0.398	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	23:46:08	101%	0.089	0.100	7.545	7.201	7.295	98%	0.487	
2	23:47:16	102%	0.079	0.073	7.448	6.683	7.030	99%	0.474	
3	23:48:24	102%	0.059	0.068	7.519	6.866	7.115	99%	0.471	
x		101%	0.076	0.080	7.504	6.917	7.147	99%	0.477	
σ		1%	0.016	0.017	0.050	0.263	0.135	1%	0.008	
%RSD		1	20.790	21.660	0.668	3.797	1.893	1	1.720	

Reviewed By: [illegible]
On: 11/22/2011 1:16:[illegible]

C4481-10 MB9TG3 11/17/2011 11:52:55 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	23:54:03	98%	-0.002	94.830	0.000	61080.000	20020.000	19800.000	19470.000	698.200
2	23:55:11	98%	0.132	98.570	0.000	61100.000	20080.000	19770.000	19530.000	703.600
3	23:56:19	99%	0.215	99.170	0.000	61140.000	19980.000	19620.000	19330.000	701.600
x		98%	0.115	97.520	0.000	61110.000	20030.000	19730.000	19440.000	701.200
σ		1%	0.110	2.355	0.000	27.570	54.210	100.100	101.300	2.726
%RSD		1	95.570	2.415	0.000	0.045	0.271	0.507	0.521	0.389
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:03	8673.000	284.800	0.000	0.000	7439.000	61130.000	61760.000	93%	22.360
2	23:55:11	8655.000	290.900	0.000	0.000	7516.000	61670.000	61850.000	93%	22.260
3	23:56:19	8609.000	287.600	0.000	0.000	7494.000	61810.000	62040.000	93%	22.120
x		8646.000	287.800	0.000	0.000	7483.000	61540.000	61880.000	93%	22.250
σ		33.170	3.025	0.000	0.000	39.310	357.700	145.700	0%	0.125
%RSD		0.384	1.051	0.000	0.000	0.525	0.581	0.235	0	0.561
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:03	-6.052	46.440	1029.000	2140.000	177.700	2200.000	2210.000	1.124	11.710
2	23:55:11	-3.239	47.260	1154.000	2135.000	179.000	2213.000	2186.000	1.174	12.220
3	23:56:19	-1.544	47.460	1227.000	2141.000	178.800	2218.000	2209.000	1.179	12.860
x		-3.612	47.050	1136.000	2139.000	178.500	2210.000	2201.000	1.159	12.260
σ		2.277	0.540	100.200	3.143	0.705	9.138	13.510	0.030	0.577
%RSD		63.050	1.147	8.816	0.147	0.395	0.413	0.614	2.627	4.702
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:03	8.663	9.180	30.120	1.829	0.038	6.884	0.799	0.038	4.003
2	23:55:11	8.440	8.341	31.430	3.128	0.251	7.289	-0.076	0.249	5.334
3	23:56:19	8.590	8.175	31.610	4.585	-0.549	7.350	-0.469	-0.547	7.556
x		8.565	8.566	31.060	3.181	-0.087	7.174	0.085	-0.087	5.631
σ		0.114	0.539	0.812	1.379	0.414	0.253	0.649	0.413	1.795
%RSD		1.327	6.293	2.614	43.350	477.700	3.526	765.500	476.300	31.880
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:03	3.690	1.959	2.080	1.925	1.944	0.014	94%	-2.403	0.063
2	23:55:11	4.437	2.056	2.192	2.251	1.968	0.004	95%	-0.709	0.049
3	23:56:19	3.992	1.973	2.129	2.005	1.843	0.009	94%	-2.435	0.038
x		4.039	1.996	2.133	2.061	1.918	0.009	94%	-1.849	0.050
σ		0.376	0.052	0.056	0.170	0.066	0.005	1%	0.988	0.013
%RSD		9.303	2.620	2.628	8.252	3.459	50.440	1	53.420	24.930
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:54:03	0.558	-2.422	0.045	-0.059	3.516	0.639	104.100	105.200	100%
2	23:55:11	-0.068	-0.726	0.062	0.063	3.684	0.613	106.200	102.400	100%
3	23:56:19	1.053	-2.455	0.033	-0.009	3.699	0.637	104.300	103.200	100%
x		0.515	-1.868	0.047	-0.001	3.633	0.630	104.900	103.600	100%
σ		0.562	0.989	0.015	0.061	0.101	0.014	1.161	1.476	0%
%RSD		109.100	52.950	31.520	4191.000	2.791	2.253	1.107	1.425	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	23:54:03	100%	0.062	0.062	7.054	6.367	6.649	98%	0.518	
2	23:55:11	101%	0.057	0.061	7.190	6.489	6.798	97%	0.533	
3	23:56:19	100%	0.062	0.052	7.042	6.554	6.741	99%	0.521	
x		100%	0.060	0.058	7.095	6.470	6.729	98%	0.524	
σ		1%	0.003	0.005	0.082	0.095	0.075	1%	0.008	
%RSD		1	5.158	8.946	1.159	1.466	1.118	1	1.521	

Reviewed By: jaswel
on: 11/22/2011 1:36:
PM
Inst ID: P8

C4481-11 MB9TB9 11/18/2011 12:00:52 AM

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	00:02:00	98%	0.218	87.160	0.000	57840.000	19440.000	18950.000	18740.000	1294.000
2	00:03:08	100%	-0.027	94.520	0.000	57420.000	19180.000	18710.000	18400.000	1274.000
3	00:04:16	101%	0.003	89.420	0.000	56990.000	18900.000	18690.000	18240.000	1260.000
x		100%	0.065	90.370	0.000	57420.000	19170.000	18780.000	18460.000	1276.000
σ		1%	0.134	3.770	0.000	426.000	270.200	143.600	254.500	16.800
%RSD		1	206.500	4.172	0.000	0.742	1.409	0.764	1.378	1.316

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:00	9175.000	315.100	0.000	0.000	7377.000	59880.000	60150.000	91%	40.440
2	00:03:08	9023.000	313.400	0.000	0.000	7283.000	60120.000	59820.000	92%	40.030
3	00:04:16	8965.000	326.400	0.000	0.000	7275.000	59310.000	59770.000	92%	43.340
x		9054.000	318.300	0.000	0.000	7312.000	59770.000	59920.000	92%	41.270
σ		108.300	7.024	0.000	0.000	56.540	418.700	207.500	1%	1.806
%RSD		1.196	2.207	0.000	0.000	0.773	0.701	0.346	1	4.376

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:00	-3.564	16.780	1234.000	3218.000	253.600	3223.000	3293.000	1.726	7.979
2	00:03:08	-6.145	16.920	1356.000	3227.000	252.800	3194.000	3247.000	1.775	8.304
3	00:04:16	-2.940	17.170	1406.000	3157.000	252.400	3320.000	3264.000	1.568	8.283
x		-4.216	16.960	1332.000	3201.000	252.900	3246.000	3268.000	1.690	8.189
σ		1.699	0.200	88.420	38.340	0.610	66.060	23.050	0.108	0.182
%RSD		40.300	1.176	6.639	1.198	0.241	2.035	0.706	6.410	2.221

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:00	10.010	9.944	47.200	3.270	1.293	7.995	-0.705	1.288	-0.487
2	00:03:08	10.060	9.411	45.520	3.834	0.040	8.531	-0.078	0.040	0.872
3	00:04:16	9.838	10.260	45.360	1.972	0.469	9.125	0.202	0.467	3.359
x		9.970	9.873	46.030	3.025	0.601	8.550	-0.194	0.598	1.248
σ		0.118	0.431	1.021	0.955	0.637	0.565	0.464	0.635	1.950
%RSD		1.181	4.363	2.218	31.560	106.000	6.613	239.900	106.000	156.300

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:00	3.852	1.838	1.899	1.812	1.692	0.000	92%	-1.964	0.074
2	00:03:08	3.952	1.863	1.894	1.653	1.711	0.005	93%	-1.800	0.075
3	00:04:16	4.184	1.669	1.953	2.110	1.880	0.009	93%	-2.266	0.079
x		3.996	1.790	1.915	1.858	1.761	0.005	93%	-2.010	0.076
σ		0.170	0.105	0.033	0.232	0.103	0.005	1%	0.237	0.003
%RSD		4.263	5.886	1.712	12.480	5.872	99.900	1	11.780	3.914

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:00	0.641	-1.985	0.094	0.107	0.680	0.866	106.500	108.800	99%
2	00:03:08	0.773	-1.821	0.063	0.026	0.746	0.961	107.300	107.800	100%
3	00:04:16	0.566	-2.286	0.070	-0.001	0.592	0.903	109.100	108.400	99%
x		0.660	-2.030	0.076	0.044	0.673	0.910	107.600	108.300	99%
σ		0.105	0.236	0.016	0.056	0.077	0.048	1.317	0.536	0%
%RSD		15.900	11.620	21.440	128.000	11.470	5.232	1.224	0.495	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:02:00	99%	0.048	0.043	24.350	23.000	23.580	98%	0.573
2	00:03:08	100%	0.059	0.057	24.380	23.220	23.730	98%	0.559
3	00:04:16	100%	0.034	0.054	24.950	22.820	23.970	98%	0.551
x		100%	0.047	0.051	24.560	23.020	23.760	98%	0.561
σ		1%	0.012	0.008	0.340	0.200	0.194	0%	0.011
%RSD		1	26.500	14.720	1.383	0.867	0.817	0	1.991

CCV52 11/18/2011 12:08:46 AM

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	00:09:54	88%	498.900	457.400	0.000	52260.000	50020.000	49760.000	48780.000	9413.000
2	00:11:03	88%	500.400	501.300	0.000	51990.000	49680.000	49690.000	48520.000	9347.000
3	00:12:11	88%	501.100	502.500	0.000	52190.000	49900.000	49850.000	49010.000	9413.000
x		88%	500.100	487.100	0.000	52150.000	49870.000	49770.000	48770.000	9391.000
σ		0%	1.144	25.730	0.000	141.100	170.400	81.270	243.600	37.720
%RSD		1	0.229	5.283	0.000	0.271	0.342	0.163	0.500	0.402
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:54	465.200	9752.000	0.000	0.000	25510.000	51810.000	50970.000	87%	501.000
2	00:11:03	452.700	9616.000	0.000	0.000	25280.000	51310.000	50910.000	87%	496.400
3	00:12:11	474.500	9679.000	0.000	0.000	25250.000	51370.000	50510.000	89%	491.100
x		464.100	9682.000	0.000	0.000	25350.000	51500.000	50800.000	88%	496.200
σ		10.960	68.110	0.000	0.000	143.600	273.800	248.800	1%	4.928
%RSD		2.360	0.703	0.000	0.000	0.567	0.532	0.490	1	0.993
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:54	500.300	503.800	168.400	25340.000	1023.000	25310.000	24980.000	491.000	493.900
2	00:11:03	496.300	500.800	160.700	25330.000	1021.000	25270.000	25150.000	494.500	488.800
3	00:12:11	491.000	494.600	149.000	25080.000	1010.000	24960.000	24860.000	491.100	487.100
x		495.800	499.700	159.300	25250.000	1018.000	25180.000	25000.000	492.200	489.900
σ		4.680	4.707	9.764	150.800	6.926	190.300	143.900	1.952	3.510
%RSD		0.944	0.942	6.128	0.597	0.680	0.756	0.576	0.397	0.716
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:54	989.500	985.700	1199.000	492.900	499.900	0.882	491.000	496.600	4.231
2	00:11:03	990.500	979.300	1209.000	501.700	502.200	-0.148	487.900	499.400	3.921
3	00:12:11	983.000	977.600	1190.000	497.100	483.100	0.383	489.000	481.200	3.129
x		987.700	980.900	1200.000	497.300	495.100	0.372	489.300	492.400	3.760
σ		4.111	4.236	9.238	4.418	10.410	0.515	1.539	9.779	0.568
%RSD		0.416	0.432	0.770	0.889	2.102	138.400	0.315	1.986	15.120
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:54	497.400	500.000	492.500	502.400	494.600	0.000	91%	510.300	497.400
2	00:11:03	500.800	497.200	499.000	504.700	499.400	0.009	90%	517.400	498.500
3	00:12:11	498.600	496.800	494.500	500.900	497.500	0.005	90%	516.900	500.000
x		498.900	498.000	495.300	502.700	497.200	0.005	91%	514.900	498.700
σ		1.767	1.758	3.350	1.934	2.398	0.005	1%	3.965	1.332
%RSD		0.354	0.353	0.676	0.385	0.482	99.920	1	0.770	0.267
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:09:54	4.154	510.100	500.800	513.600	504.300	502.700	2482.000	2471.000	97%
2	00:11:03	1.788	517.100	500.700	512.100	509.500	509.700	2488.000	2506.000	97%
3	00:12:11	-4.469	516.500	502.600	514.500	505.900	510.800	2503.000	2490.000	98%
x		0.491	514.600	501.400	513.400	506.600	507.800	2491.000	2489.000	97%
σ		4.456	3.855	1.082	1.247	2.654	4.387	10.930	17.580	0%
%RSD		907.300	0.749	0.216	0.243	0.524	0.864	0.439	0.706	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	00:09:54	98%	498.900	504.800	503.500	502.500	503.200	96%	507.500	
2	00:11:03	98%	499.400	500.900	499.800	499.900	500.200	96%	505.800	
3	00:12:11	98%	500.000	504.200	499.100	496.100	498.600	96%	503.700	
x		98%	499.400	503.300	500.800	499.500	500.700	96%	505.600	
σ		0%	0.532	2.099	2.327	3.255	2.348	0%	1.923	
%RSD		0	0.107	0.417	0.465	0.652	0.469	0	0.380	

CCB52 11/18/2011 12:16:40 AM

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	00:17:48	90%	0.118	5.746	0.000	131.000	5.071	7.741	4.518	4.110
2	00:18:56	93%	0.121	6.837	0.000	120.000	9.418	9.162	7.668	4.132
3	00:20:04	90%	0.153	5.040	0.000	142.100	9.280	8.990	6.345	5.046
x		91%	0.131	5.874	0.000	131.000	7.923	8.631	6.177	4.429
σ		2%	0.019	0.905	0.000	11.070	2.471	0.776	1.582	0.534
%RSD		2	14.800	15.410	0.000	8.454	31.190	8.985	25.600	12.060
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:48	-1.555	-8.126	0.000	0.000	49.390	-2.506	5.274	91%	-0.016
2	00:18:56	-0.535	-2.371	0.000	0.000	51.260	-0.504	14.900	91%	0.174
3	00:20:04	-1.468	-8.597	0.000	0.000	57.610	1.882	8.834	91%	0.066
x		-1.186	-6.365	0.000	0.000	52.750	-0.376	9.670	91%	0.075
σ		0.565	3.466	0.000	0.000	4.312	2.197	4.868	0%	0.096
%RSD		47.650	54.460	0.000	0.000	8.174	584.300	50.340	0	128.100
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:48	-1.023	0.305	124.600	1.955	0.181	-7.726	-19.950	0.055	-0.082
2	00:18:56	-0.629	0.298	120.400	1.385	0.240	-6.306	-16.040	0.106	-0.007
3	00:20:04	0.251	0.320	117.900	6.202	0.293	-6.114	-20.480	0.075	0.072
x		-0.467	0.308	121.000	3.181	0.238	-6.715	-18.820	0.079	-0.005
σ		0.652	0.011	3.411	2.632	0.056	0.881	2.423	0.025	0.077
%RSD		139.600	3.597	2.820	82.740	23.590	13.110	12.870	32.070	1419.000
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:48	0.107	0.076	-0.069	-0.633	-0.764	0.912	0.018	-0.759	2.890
2	00:18:56	0.182	0.153	0.007	0.072	-0.068	0.780	-0.300	-0.068	-1.114
3	00:20:04	0.146	0.233	0.077	0.701	0.252	0.646	0.543	0.249	1.390
x		0.145	0.154	0.005	0.046	-0.193	0.780	0.087	-0.193	1.055
σ		0.037	0.079	0.073	0.667	0.519	0.133	0.426	0.516	2.023
%RSD		25.650	51.250	1491.000	1435.000	268.800	17.060	491.200	267.900	191.700
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:48	0.312	0.266	0.289	0.442	0.342	0.004	95%	-2.598	0.131
2	00:18:56	0.249	0.209	0.216	0.288	0.297	0.009	96%	-1.891	0.158
3	00:20:04	0.189	0.175	0.222	0.223	0.205	0.000	96%	-1.364	0.136
x		0.250	0.217	0.242	0.317	0.281	0.004	96%	-1.951	0.142
σ		0.062	0.046	0.040	0.113	0.070	0.004	1%	0.619	0.014
%RSD		24.700	21.340	16.540	35.500	24.710	99.700	1	31.730	10.220
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:17:48	0.644	-2.613	0.194	-0.092	0.552	0.824	0.191	0.219	99%
2	00:18:56	0.393	-1.905	0.160	-0.149	0.410	0.575	0.212	0.383	100%
3	00:20:04	0.088	-1.375	0.137	-0.027	0.291	0.462	0.416	0.378	99%
x		0.375	-1.964	0.164	-0.089	0.418	0.620	0.273	0.327	99%
σ		0.278	0.621	0.028	0.061	0.131	0.185	0.124	0.093	0%
%RSD		74.220	31.600	17.290	68.200	31.390	29.820	45.530	28.490	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	00:17:48	99%	0.170	0.198	0.049	0.070	0.065	100%	0.064	
2	00:18:56	100%	0.176	0.187	0.098	0.123	0.100	101%	0.081	
3	00:20:04	99%	0.146	0.179	0.084	0.084	0.079	100%	0.064	
x		99%	0.164	0.188	0.077	0.092	0.081	100%	0.070	
σ		0%	0.016	0.009	0.025	0.027	0.018	1%	0.010	
%RSD		0	9.798	4.960	32.570	29.550	21.660	1	13.670	

Reviewed By:jaswal
On:11/22/2011 1:16:48 PM
Inst Id: P8

C4481-12 MB9TA3 11/18/2011 12:24:34 AM

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	00:25:42	97%	0.086	13.520	0.000	625.300	63.980	63.150	59.890	13.220
2	00:26:50	98%	-0.087	18.860	0.000	612.400	63.670	62.920	58.470	13.810
3	00:27:58	98%	0.031	17.810	0.000	606.700	64.890	61.670	60.190	12.890
x		98%	0.010	16.730	0.000	614.800	64.180	62.580	59.520	13.300
σ		0%	0.089	2.828	0.000	9.535	0.634	0.798	0.919	0.466
%RSD		0	879.000	16.900	0.000	1.551	0.987	1.275	1.544	3.504
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:42	40.010	0.729	0.000	0.000	156.000	984.200	980.800	90%	1.130
2	00:26:50	40.360	0.487	0.000	0.000	157.100	959.500	982.800	90%	0.971
3	00:27:58	43.300	-1.523	0.000	0.000	156.700	963.700	996.800	91%	0.756
x		41.230	-0.102	0.000	0.000	156.600	969.100	986.800	90%	0.952
σ		1.807	1.236	0.000	0.000	0.587	13.200	8.715	1%	0.188
%RSD		4.382	1208.000	0.000	0.000	0.375	1.362	0.883	1	19.710
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:42	-8.573	3.522	807.900	71.270	2.075	33.110	7.964	0.002	0.696
2	00:26:50	-1.807	3.989	945.400	70.500	2.024	33.880	4.227	0.025	0.671
3	00:27:58	-8.049	4.095	1045.000	78.870	1.964	32.890	6.012	0.014	0.636
x		-6.143	3.869	932.700	73.550	2.021	33.290	6.068	0.014	0.668
σ		3.764	0.305	119.000	4.629	0.056	0.523	1.869	0.012	0.030
%RSD		61.280	7.873	12.750	6.295	2.760	1.570	30.800	84.840	4.460
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:42	1.786	1.725	13.550	2.678	-0.887	4.326	-0.870	-0.882	4.997
2	00:26:50	1.881	1.867	13.440	1.884	0.365	5.219	0.022	0.362	2.691
3	00:27:58	1.644	1.830	12.690	-0.419	0.039	6.066	0.272	0.038	0.710
x		1.770	1.808	13.230	1.381	-0.161	5.204	-0.192	-0.161	2.799
σ		0.119	0.073	0.466	1.609	0.650	0.870	0.601	0.646	2.145
%RSD		6.722	4.066	3.525	116.500	403.500	16.720	313.000	402.100	76.640
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:42	1.060	0.076	0.133	0.197	0.089	0.014	93%	-3.034	0.134
2	00:26:50	0.939	0.082	0.131	0.173	0.067	0.014	94%	-0.539	0.047
3	00:27:58	0.707	0.039	0.205	0.148	0.078	0.004	95%	-1.102	0.038
x		0.902	0.066	0.156	0.173	0.078	0.011	94%	-1.558	0.073
σ		0.180	0.023	0.042	0.024	0.011	0.005	1%	1.309	0.053
%RSD		19.920	35.450	26.860	14.110	14.390	50.150	1	83.990	72.790
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:25:42	1.048	-3.050	0.098	-0.209	1.137	0.550	1.825	1.736	97%
2	00:26:50	-0.281	-0.554	0.088	-0.018	0.962	0.300	1.934	1.814	99%
3	00:27:58	0.038	-1.114	0.003	-0.038	0.713	0.269	1.939	1.669	99%
x		0.269	-1.573	0.063	-0.089	0.937	0.373	1.900	1.740	98%
σ		0.694	1.310	0.052	0.105	0.213	0.154	0.065	0.073	1%
%RSD		258.400	83.270	82.950	118.300	22.730	41.360	3.398	4.174	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	00:25:42	98%	0.195	0.222	1.743	1.635	1.680	98%	0.003	
2	00:26:50	99%	0.127	0.146	1.646	1.686	1.656	100%	-0.004	
3	00:27:58	99%	0.116	0.092	1.632	1.591	1.623	100%	-0.004	
x		99%	0.146	0.153	1.674	1.637	1.653	99%	-0.002	
σ		1%	0.043	0.065	0.060	0.048	0.028	1%	0.004	
%RSD		1	29.130	42.610	3.605	2.906	1.715	1	257.100	

Reviewed By jaswal
On 11/22/2011 1:16:48 PM
Inst Id: P6

C4481-13 MB9TA4 11/18/2011 12:32:28 AM

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	00:33:36	97%	0.087	12.900	0.000	2027.000	85.100	83.050	80.880	21.900
2	00:34:44	95%	0.024	11.190	0.000	2056.000	84.310	83.080	78.290	22.160
3	00:35:52	99%	0.081	12.390	0.000	1996.000	85.510	81.650	79.670	21.350
x		97%	0.064	12.160	0.000	2026.000	84.970	82.590	79.620	21.800
σ		2%	0.035	0.876	0.000	29.880	0.614	0.815	1.296	0.418
%RSD		2	54.570	7.200	0.000	1.474	0.722	0.986	1.628	1.916
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:36	46.070	9.347	0.000	0.000	158.200	1231.000	1243.000	90%	0.652
2	00:34:44	48.090	3.894	0.000	0.000	154.300	1100.000	1209.000	92%	1.126
3	00:35:52	49.240	9.029	0.000	0.000	164.400	1117.000	1214.000	91%	0.916
x		47.800	7.423	0.000	0.000	159.000	1149.000	1222.000	91%	0.898
σ		1.605	3.061	0.000	0.000	5.062	71.030	17.860	1%	0.238
%RSD		3.358	41.230	0.000	0.000	3.184	6.181	1.462	1	26.450
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:36	-7.241	4.477	942.300	102.500	3.996	64.840	39.360	0.021	1.166
2	00:34:44	-7.751	4.569	1024.000	96.190	4.246	63.420	35.220	0.019	1.171
3	00:35:52	-10.720	4.962	1098.000	104.900	4.239	64.730	35.220	0.016	1.188
x		-8.569	4.669	1021.000	101.200	4.161	64.330	36.600	0.019	1.175
σ		1.876	0.258	77.790	4.511	0.142	0.788	2.389	0.002	0.012
%RSD		21.890	5.522	7.616	4.458	3.423	1.225	6.528	12.620	0.995
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:36	1.996	2.395	10.980	0.303	0.363	5.206	-0.139	0.361	-0.266
2	00:34:44	2.250	2.217	10.740	1.108	-1.132	5.489	-0.480	-1.125	4.943
3	00:35:52	2.147	2.021	11.910	0.559	-0.176	5.993	0.003	-0.175	2.204
x		2.131	2.211	11.210	0.657	-0.315	5.563	-0.205	-0.313	2.294
σ		0.128	0.187	0.619	0.411	0.757	0.398	0.248	0.753	2.606
%RSD		6.008	8.465	5.520	62.550	240.600	7.160	121.100	240.300	113.600
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:36	1.236	0.074	0.207	0.150	0.062	0.009	95%	-2.021	0.016
2	00:34:44	1.076	0.066	0.185	0.116	0.040	0.027	96%	-3.525	0.005
3	00:35:52	1.303	0.012	0.161	0.204	0.037	0.013	95%	-2.164	0.031
x		1.205	0.051	0.184	0.157	0.046	0.016	95%	-2.570	0.017
σ		0.116	0.034	0.023	0.044	0.014	0.009	1%	0.830	0.013
%RSD		9.662	66.530	12.380	28.250	29.770	56.190	1	32.310	77.880
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:33:36	0.520	-2.033	0.010	-0.139	8.555	0.216	3.053	2.640	98%
2	00:34:44	1.195	-3.538	-0.006	-0.214	8.133	0.120	2.735	3.160	99%
3	00:35:52	0.449	-2.178	0.008	-0.081	8.214	0.137	2.415	2.874	99%
x		0.721	-2.583	0.004	-0.145	8.301	0.157	2.734	2.891	99%
σ		0.412	0.830	0.009	0.066	0.224	0.051	0.319	0.260	1%
%RSD		57.080	32.140	225.100	45.800	2.701	32.520	11.670	8.995	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	00:33:36	98%	0.059	0.053	1.846	1.813	1.791	98%	0.000	
2	00:34:44	99%	0.036	0.036	1.869	1.750	1.769	99%	-0.004	
3	00:35:52	99%	0.036	0.030	1.755	1.654	1.712	100%	-0.003	
x		99%	0.044	0.039	1.824	1.739	1.758	99%	-0.002	
σ		1%	0.013	0.012	0.060	0.080	0.041	1%	0.002	
%RSD		1	29.830	31.240	3.310	4.606	2.321	1	87.510	

Reviewed By:aswal
On:11/22/2011 1:16:48 PM
Inst Id :P6

C4481-14 MB9TA0 11/18/2011 12:40:22 AM

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	00:41:30	102%	0.084	32.690	0.000	1072.000	116.200	110.400	111.300	45.140
2	00:42:38	103%	-0.051	24.530	0.000	1060.000	116.900	110.100	101.700	45.410
3	00:43:46	100%	-0.043	28.550	0.000	1085.000	118.700	113.600	105.800	46.530
x		102%	-0.003	28.590	0.000	1072.000	117.300	111.400	106.300	45.690
σ		1%	0.076	4.078	0.000	12.440	1.272	1.927	4.841	0.737
%RSD		1	2347.000	14.270	0.000	1.160	1.084	1.731	4.554	1.613
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:30	41.010	7.874	0.000	0.000	149.500	1363.000	1292.000	90%	1.615
2	00:42:38	41.700	5.900	0.000	0.000	138.800	1262.000	1327.000	92%	1.317
3	00:43:46	42.190	10.080	0.000	0.000	144.900	1275.000	1302.000	91%	2.163
x		41.630	7.952	0.000	0.000	144.400	1300.000	1307.000	91%	1.698
σ		0.594	2.092	0.000	0.000	5.389	54.720	17.820	1%	0.429
%RSD		1.426	26.310	0.000	0.000	3.732	4.209	1.364	1	25.280
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:30	-7.537	6.196	1554.000	117.000	2.064	63.770	33.000	0.029	0.786
2	00:42:38	-2.577	6.891	1720.000	116.300	2.010	63.650	26.040	0.024	1.094
3	00:43:46	-10.370	7.197	1846.000	123.200	2.133	64.190	23.580	0.020	1.144
x		-6.828	6.761	1707.000	118.800	2.069	63.870	27.540	0.024	1.008
σ		3.944	0.513	146.500	3.805	0.062	0.284	4.882	0.005	0.194
%RSD		57.760	7.582	8.580	3.203	2.976	0.444	17.730	19.440	19.210
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:30	1.850	1.738	14.480	1.234	-0.229	8.276	-0.295	-0.228	0.037
2	00:42:38	1.714	1.746	14.820	2.076	0.198	8.982	0.130	0.196	-1.129
3	00:43:46	1.660	1.592	13.880	1.178	0.197	9.581	0.019	0.196	2.776
x		1.741	1.692	14.390	1.496	0.055	8.946	-0.049	0.055	0.561
σ		0.098	0.087	0.477	0.503	0.246	0.653	0.220	0.244	2.005
%RSD		5.610	5.125	3.315	33.630	444.100	7.299	452.200	447.100	357.200
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:30	0.950	0.074	0.193	0.225	0.036	0.022	95%	-2.291	0.000
2	00:42:38	1.038	0.032	0.128	0.073	0.015	0.009	96%	-3.106	0.020
3	00:43:46	0.893	0.052	0.109	0.105	0.056	0.004	96%	-2.789	0.018
x		0.960	0.053	0.143	0.134	0.036	0.012	96%	-2.729	0.012
σ		0.073	0.021	0.044	0.080	0.021	0.009	0%	0.411	0.011
%RSD		7.594	39.740	30.770	59.880	57.220	78.520	0	15.050	85.780
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:41:30	0.505	-2.304	0.030	-0.147	0.647	0.105	2.237	2.487	99%
2	00:42:38	0.872	-3.121	0.005	-0.222	0.609	0.105	2.280	2.327	100%
3	00:43:46	0.729	-2.802	0.014	-0.162	0.626	0.051	2.165	2.226	100%
x		0.702	-2.742	0.016	-0.177	0.628	0.087	2.227	2.346	100%
σ		0.185	0.412	0.013	0.040	0.019	0.031	0.058	0.132	1%
%RSD		26.360	15.020	77.240	22.360	3.020	35.650	2.588	5.609	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	00:41:30	100%	0.026	0.034	2.608	2.395	2.507	99%	0.020	
2	00:42:38	100%	0.030	0.022	2.645	2.575	2.581	100%	0.017	
3	00:43:46	100%	0.015	0.022	2.671	2.544	2.548	101%	0.025	
x		100%	0.024	0.026	2.641	2.505	2.545	100%	0.021	
σ		0%	0.008	0.007	0.031	0.096	0.037	1%	0.004	
%RSD		0	32.220	26.030	1.191	3.841	1.459	1	20.180	

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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	00:49:25	110%	45.330	231.600	0.000	51040.000	62630.000	59830.000	58800.000	138200.000
2	00:50:33	109%	46.090	240.000	0.000	51760.000	63460.000	60900.000	59350.000	140100.000
3	00:51:41	113%	45.880	238.900	0.000	51320.000	62880.000	60100.000	58330.000	138200.000
X		111%	45.770	236.800	0.000	51370.000	62990.000	60280.000	58830.000	138900.000
σ		2%	0.397	4.573	0.000	364.900	429.600	552.700	507.000	1101.000
%RSD		2	0.867	1.931	0.000	0.710	0.682	0.917	0.862	0.793
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:25	86540.000	35470.000	0.000	0.000	20910.000	106600.000	106300.000	120%	932.600
2	00:50:33	87870.000	35780.000	0.000	0.000	21150.000	106000.000	106000.000	123%	938.700
3	00:51:41	87180.000	35570.000	0.000	0.000	21130.000	106400.000	106100.000	124%	930.300
X		87200.000	35610.000	0.000	0.000	21060.000	106400.000	106100.000	123%	933.900
σ		665.100	158.300	0.000	0.000	134.300	303.400	137.300	2%	4.376
%RSD		0.763	0.445	0.000	0.000	0.638	0.285	0.129	2	0.469
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:25	617.400	306.400	692.000	667900.000	3996.000	700400.000	679300.000	269.300	916.700
2	00:50:33	621.500	307.100	813.500	661200.000	3944.000	692200.000	670600.000	269.900	911.300
3	00:51:41	620.300	306.100	877.900	669000.000	4032.000	700800.000	677400.000	270.800	923.500
X		619.700	306.600	794.500	666000.000	3990.000	697800.000	675800.000	270.000	917.200
σ		2.143	0.517	94.440	4231.000	44.160	4898.000	4590.000	0.782	6.074
%RSD		0.346	0.169	11.890	0.635	1.107	0.702	0.679	0.290	0.662
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:25	599.700	593.500	7113.000	187.300	12.690	5.583	9.872	12.950	28.340
2	00:50:33	594.500	600.100	7088.000	189.000	12.350	6.045	10.260	12.610	26.140
3	00:51:41	602.900	607.300	7140.000	190.200	12.810	6.355	9.987	13.090	24.350
X		599.000	600.300	7113.000	188.800	12.620	5.994	10.040	12.880	26.280
σ		4.256	6.878	26.000	1.440	0.239	0.388	0.199	0.247	2.003
%RSD		0.711	1.146	0.365	0.763	1.891	6.475	1.981	1.915	7.622
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:25	56.540	11.760	16.910	12.730	12.900	0.041	91%	82.030	4.146
2	00:50:33	56.650	12.790	16.900	12.610	12.690	0.031	93%	77.330	4.116
3	00:51:41	58.900	12.400	16.860	12.630	12.840	0.009	94%	87.170	4.141
X		57.360	12.320	16.880	12.660	12.810	0.027	93%	82.170	4.134
σ		1.329	0.522	0.024	0.062	0.111	0.016	1%	4.920	0.016
%RSD		2.318	4.235	0.144	0.487	0.865	60.900	1	5.987	0.385
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:49:25	-6.856	81.640	3.943	50.170	38.260	28.560	5249.000	5244.000	110%
2	00:50:33	-2.763	76.960	4.128	50.660	38.300	28.630	5268.000	5235.000	112%
3	00:51:41	-8.935	86.750	4.268	51.320	39.070	28.520	5292.000	5240.000	113%
X		-6.185	81.780	4.113	50.720	38.540	28.570	5269.000	5240.000	112%
σ		3.140	4.892	0.163	0.577	0.458	0.055	21.410	4.471	2%
%RSD		50.770	5.982	3.960	1.138	1.188	0.191	0.406	0.085	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	00:49:25	110%	2.011	2.175	2710.000	2456.000	2561.000	99%	19.620	
2	00:50:33	112%	2.126	2.065	2694.000	2427.000	2548.000	101%	19.480	
3	00:51:41	113%	2.183	2.130	2713.000	2456.000	2556.000	101%	19.560	
X		112%	2.107	2.123	2705.000	2447.000	2555.000	101%	19.550	
σ		2%	0.087	0.055	10.370	16.740	6.321	1%	0.069	
%RSD		2	4.146	2.606	0.383	0.684	0.247	1	0.354	

Reviewed By jaswal
On:11/22/2011 1:10:48 PM
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C4481-02X25 MB9TA7 11/18/2011 12:56:12 AM

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	00:57:20	90%	1.909	17.250	0.000	2689.000	3114.000	3008.000	2963.000	7287.000
2	00:58:28	89%	1.975	17.150	0.000	2736.000	3169.000	2987.000	2978.000	7308.000
3	00:59:36	87%	1.868	10.610	0.000	2813.000	3249.000	3115.000	3044.000	7539.000
x		89%	1.917	15.000	0.000	2746.000	3177.000	3036.000	2995.000	7378.000
σ		2%	0.054	3.805	0.000	62.470	68.200	68.680	42.820	140.200
%RSD		2	2.835	25.360	0.000	2.275	2.146	2.262	1.430	1.900
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:20	4555.000	1696.000	0.000	0.000	1179.000	5438.000	5605.000	90%	48.240
2	00:58:28	4594.000	1726.000	0.000	0.000	1192.000	5569.000	5559.000	90%	46.520
3	00:59:36	4713.000	1752.000	0.000	0.000	1201.000	5701.000	5647.000	90%	46.310
x		4620.000	1725.000	0.000	0.000	1191.000	5569.000	5604.000	90%	47.020
σ		82.210	28.360	0.000	0.000	11.330	131.500	44.010	0%	1.058
%RSD		1.779	1.645	0.000	0.000	0.951	2.361	0.785	1	2.251
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:20	33.070	15.970	224.500	35480.000	200.800	35950.000	35120.000	13.020	44.610
2	00:58:28	30.760	16.160	218.200	35920.000	203.500	35870.000	35170.000	13.360	46.160
3	00:59:36	33.140	15.800	207.600	36130.000	206.000	36220.000	35770.000	13.810	45.310
x		32.320	15.970	216.800	35840.000	203.500	36010.000	35360.000	13.390	45.360
σ		1.356	0.179	8.512	331.900	2.608	186.900	362.700	0.398	0.779
%RSD		4.196	1.120	3.927	0.926	1.282	0.519	1.026	2.972	1.718
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:20	30.040	28.900	346.300	8.375	0.798	0.854	0.603	0.793	3.057
2	00:58:28	29.530	30.020	343.000	8.342	0.961	0.833	0.922	0.954	0.505
3	00:59:36	30.310	30.380	346.100	9.123	-0.503	0.738	0.792	-0.500	7.084
x		29.960	29.770	345.100	8.614	0.418	0.808	0.772	0.415	3.549
σ		0.397	0.773	1.870	0.442	0.802	0.062	0.160	0.797	3.317
%RSD		1.325	2.597	0.542	5.126	191.700	7.611	20.770	191.900	93.460
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:20	2.189	0.534	0.648	0.602	0.512	0.005	94%	1.292	0.182
2	00:58:28	2.046	0.525	0.715	0.621	0.471	0.014	94%	1.563	0.168
3	00:59:36	2.359	0.583	0.583	0.404	0.571	0.005	94%	1.271	0.148
x		2.198	0.547	0.649	0.542	0.518	0.008	94%	1.375	0.166
σ		0.157	0.031	0.066	0.120	0.050	0.005	0%	0.163	0.017
%RSD		7.140	5.661	10.220	22.160	9.634	69.000	0	11.830	10.270
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:57:20	-0.275	1.274	0.175	2.163	1.673	1.028	223.500	220.600	99%
2	00:58:28	-0.470	1.544	0.147	2.063	1.551	1.144	216.800	220.300	100%
3	00:59:36	-0.130	1.253	0.168	2.136	1.489	1.092	220.200	223.600	99%
x		-0.291	1.357	0.164	2.121	1.571	1.088	220.200	221.500	99%
σ		0.171	0.163	0.015	0.052	0.093	0.058	3.352	1.829	0%
%RSD		58.620	11.970	9.083	2.436	5.947	5.311	1.523	0.826	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	00:57:20	99%	0.111	0.104	112.000	101.600	105.500	99%	0.788	
2	00:58:28	100%	0.108	0.092	109.100	98.210	103.100	100%	0.751	
3	00:59:36	99%	0.107	0.108	111.700	100.400	105.200	99%	0.771	
x		99%	0.109	0.101	110.900	100.100	104.600	100%	0.770	
σ		1%	0.002	0.008	1.645	1.703	1.300	1%	0.019	
%RSD		1	2.247	8.030	1.483	1.702	1.242	1	2.441	

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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	01:05:15	86%	1.440	7.513	0.000	1523.000	1623.000	1560.000	1529.000	3772.000
2	01:06:23	85%	1.007	10.830	0.000	1546.000	1650.000	1590.000	1565.000	3821.000
3	01:07:31	84%	0.948	5.916	0.000	1570.000	1666.000	1582.000	1565.000	3856.000
x		85%	1.132	8.088	0.000	1546.000	1646.000	1577.000	1553.000	3816.000
σ		1%	0.269	2.509	0.000	23.290	21.890	15.560	20.970	42.520
%RSD		1	23.760	31.020	0.000	1.506	1.329	0.987	1.351	1.114

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:15	2338.000	875.700	0.000	0.000	634.500	2894.000	2844.000	89%	23.570
2	01:06:23	2389.000	890.100	0.000	0.000	640.300	2862.000	2853.000	89%	25.170
3	01:07:31	2395.000	898.700	0.000	0.000	641.000	2726.000	2868.000	89%	24.820
x		2374.000	888.200	0.000	0.000	638.600	2827.000	2855.000	89%	24.520
σ		31.300	11.590	0.000	0.000	3.562	89.390	11.960	0%	0.845
%RSD		1.318	1.304	0.000	0.000	0.558	3.162	0.419	0	3.444

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:15	13.590	8.396	164.000	18140.000	102.700	18260.000	17740.000	6.762	23.110
2	01:06:23	16.410	8.122	154.500	18260.000	104.400	18250.000	17930.000	6.687	23.450
3	01:07:31	14.970	8.239	149.700	18240.000	103.700	18210.000	18000.000	6.858	23.140
x		14.990	8.252	156.100	18210.000	103.600	18240.000	17890.000	6.769	23.230
σ		1.411	0.137	7.274	65.370	0.837	28.100	134.000	0.086	0.190
%RSD		9.413	1.663	4.661	0.359	0.808	0.154	0.749	1.266	0.818

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:15	15.190	15.380	172.800	4.891	-0.068	0.531	0.806	-0.068	1.670
2	01:06:23	14.930	16.090	178.800	3.818	0.424	0.733	0.214	0.421	0.250
3	01:07:31	14.990	15.640	175.600	4.920	0.258	0.480	0.363	0.256	-0.551
x		15.040	15.700	175.700	4.543	0.205	0.582	0.461	0.203	0.457
σ		0.137	0.355	2.999	0.628	0.250	0.134	0.308	0.249	1.125
%RSD		0.909	2.258	1.706	13.830	122.300	22.980	66.790	122.600	246.400

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:15	1.066	0.173	0.390	0.339	0.275	0.009	94%	-0.509	0.074
2	01:06:23	0.728	0.272	0.321	0.330	0.290	0.014	93%	-2.365	0.123
3	01:07:31	1.319	0.367	0.357	0.338	0.299	0.005	94%	-0.419	0.101
x		1.037	0.271	0.356	0.335	0.288	0.009	94%	-1.097	0.099
σ		0.297	0.097	0.034	0.005	0.012	0.005	0%	1.098	0.024
%RSD		28.600	35.780	9.676	1.436	4.293	50.420	1	100.100	24.250

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:15	0.188	-0.525	0.090	0.693	0.754	0.532	113.300	108.100	99%
2	01:06:23	1.581	-2.382	0.105	0.672	0.739	0.574	114.200	114.500	98%
3	01:07:31	0.078	-0.436	0.118	0.957	0.720	0.562	111.800	112.600	99%
x		0.616	-1.114	0.104	0.774	0.737	0.556	113.100	111.700	99%
σ		0.838	1.099	0.014	0.159	0.017	0.021	1.193	3.296	0%
%RSD		136.000	98.600	13.020	20.530	2.299	3.814	1.055	2.950	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:05:15	99%	0.045	0.046	55.390	50.110	52.520	100%	0.399
2	01:06:23	99%	0.060	0.055	56.600	50.910	53.120	99%	0.385
3	01:07:31	99%	0.060	0.072	56.350	50.820	53.040	99%	0.393
x		99%	0.055	0.058	56.110	50.620	52.890	99%	0.392
σ		0%	0.009	0.013	0.639	0.438	0.326	0%	0.007
%RSD		0	16.310	23.220	1.139	0.865	0.616	0	1.809

C4463-01 MH3BA0 11/18/2011 01:12:03 AM

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	01:13:11	85%	0.066	10.470	0.000	1404.000	27.810	26.930	25.770	11.120
2	01:14:19	87%	-0.077	9.191	0.000	1380.000	26.660	28.960	27.660	14.070
3	01:15:27	87%	0.020	13.440	0.000	1360.000	25.240	23.230	21.270	10.670
x		86%	0.003	11.040	0.000	1382.000	26.570	26.370	24.900	11.950
σ		1%	0.073	2.180	0.000	22.130	1.291	2.906	3.285	1.847
%RSD		1	2477.000	19.760	0.000	1.602	4.857	11.020	13.190	15.450
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:11	89.860	-13.890	0.000	0.000	74.210	131.200	102.800	89%	0.323
2	01:14:19	88.190	-16.920	0.000	0.000	79.340	97.460	99.230	88%	0.408
3	01:15:27	83.080	-15.950	0.000	0.000	74.480	68.900	104.800	89%	0.361
x		87.040	-15.590	0.000	0.000	76.010	99.180	102.300	88%	0.364
σ		3.531	1.548	0.000	0.000	2.889	31.180	2.806	0%	0.043
%RSD		4.057	9.928	0.000	0.000	3.801	31.440	2.744	0	11.740
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:11	-0.994	0.492	122.900	21.230	0.835	40.610	-2.086	0.003	0.076
2	01:14:19	-0.661	0.290	119.600	23.480	0.783	46.970	10.170	0.025	0.089
3	01:15:27	0.283	0.282	113.900	14.760	0.649	32.030	-1.990	-0.015	0.026
x		-0.457	0.355	118.800	19.830	0.756	39.870	2.031	0.004	0.064
σ		0.662	0.119	4.549	4.530	0.096	7.495	7.048	0.020	0.034
%RSD		144.800	33.490	3.829	22.850	12.740	18.800	347.000	485.600	52.570
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:11	0.166	0.140	2.684	0.526	0.697	0.415	0.437	0.691	-1.233
2	01:14:19	0.153	0.264	2.470	0.171	0.920	0.447	0.112	0.912	-0.459
3	01:15:27	0.149	0.203	1.883	0.240	0.258	0.465	1.063	0.255	0.156
x		0.156	0.202	2.346	0.312	0.625	0.443	0.537	0.619	-0.512
σ		0.009	0.062	0.415	0.188	0.337	0.025	0.484	0.334	0.696
%RSD		5.829	30.490	17.680	60.220	53.890	5.720	90.010	53.950	136.000
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:11	0.098	-0.022	0.074	0.097	0.038	0.000	94%	-1.292	0.014
2	01:14:19	0.001	0.069	0.003	0.119	0.034	0.005	93%	-2.161	-0.004
3	01:15:27	0.072	0.033	0.034	0.096	0.066	0.009	95%	-1.916	-0.004
x		0.057	0.027	0.037	0.104	0.046	0.005	94%	-1.790	0.002
σ		0.051	0.046	0.036	0.013	0.018	0.004	1%	0.448	0.010
%RSD		88.590	170.700	96.230	12.800	39.090	99.580	1	25.050	528.600
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:13:11	0.057	-1.307	-0.001	-0.098	-0.027	-0.046	1.908	2.103	98%
2	01:14:19	0.516	-2.175	-0.003	-0.158	-0.030	-0.064	2.081	2.024	97%
3	01:15:27	0.337	-1.929	0.008	-0.150	0.024	-0.079	1.947	2.066	98%
x		0.303	-1.804	0.001	-0.135	-0.011	-0.063	1.979	2.064	98%
σ		0.231	0.448	0.006	0.032	0.030	0.016	0.091	0.040	1%
%RSD		76.300	24.810	601.000	23.940	273.200	25.600	4.600	1.928	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	01:13:11	98%	0.002	0.006	0.315	0.281	0.295	99%	-0.011	
2	01:14:19	98%	0.001	-0.005	0.302	0.264	0.288	99%	-0.008	
3	01:15:27	99%	-0.009	-0.001	0.217	0.228	0.216	100%	-0.014	
x		98%	-0.002	0.000	0.278	0.258	0.266	99%	-0.011	
σ		0%	0.006	0.006	0.054	0.027	0.044	1%	0.003	
%RSD		0	279.800	4715.000	19.260	10.660	16.430	1	26.480	

Reviewed By: [illegible] 12/22/2011 1:10:48 PM Inst ID: P6

C4463-13 MH3B94 11/18/2011 01:19:59 AM

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	01:21:07	89%	0.031	30.370	0.000	42820.000	25530.000	25240.000	24830.000	11.800
2	01:22:15	88%	-0.006	25.970	0.000	42960.000	25670.000	25340.000	24930.000	12.000
3	01:23:23	89%	0.012	22.750	0.000	43030.000	25670.000	25440.000	24910.000	11.090
X		88%	0.012	26.360	0.000	42940.000	25620.000	25340.000	24890.000	11.630
σ		0%	0.018	3.822	0.000	103.600	83.260	102.300	50.380	0.479
%RSD		0	150.000	14.500	0.000	0.241	0.325	0.404	0.202	4.120
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:07	9346.000	5.160	0.000	0.000	2191.000	73320.000	73350.000	91%	0.980
2	01:22:15	9352.000	7.739	0.000	0.000	2201.000	73860.000	73030.000	92%	0.814
3	01:23:23	9497.000	4.499	0.000	0.000	2224.000	73280.000	72830.000	91%	1.370
X		9399.000	5.799	0.000	0.000	2205.000	73490.000	73070.000	91%	1.055
σ		85.670	1.712	0.000	0.000	16.440	320.500	261.200	1%	0.285
%RSD		0.912	29.520	0.000	0.000	0.745	0.436	0.358	1	27.050
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:07	1.200	0.366	95.640	664.500	8.497	721.600	860.000	0.119	0.493
2	01:22:15	1.117	0.251	87.820	666.700	8.259	715.100	864.100	0.128	0.516
3	01:23:23	0.500	0.464	87.160	664.800	8.063	720.200	863.800	0.109	0.572
X		0.939	0.361	90.210	665.300	8.273	719.000	862.600	0.119	0.527
σ		0.382	0.107	4.718	1.202	0.217	3.453	2.272	0.010	0.041
%RSD		40.730	29.620	5.230	0.181	2.625	0.480	0.263	8.228	7.745
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:07	0.684	0.856	5.189	1.851	0.415	0.387	0.426	0.412	2.213
2	01:22:15	0.683	0.835	5.589	1.639	0.628	0.298	1.016	0.625	-2.106
3	01:23:23	0.656	0.993	5.226	1.736	-0.015	0.344	0.108	-0.015	2.958
X		0.674	0.895	5.334	1.742	0.343	0.343	0.516	0.341	1.022
σ		0.016	0.086	0.221	0.106	0.327	0.045	0.461	0.326	2.734
%RSD		2.336	9.572	4.141	6.094	95.510	13.030	89.190	95.620	267.600
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:07	0.084	0.019	0.117	0.117	0.133	0.000	94%	-2.352	0.000
2	01:22:15	0.121	0.081	0.111	0.074	0.062	0.000	94%	-2.000	0.003
3	01:23:23	0.072	0.102	0.053	0.150	0.100	0.009	94%	-1.792	0.000
X		0.092	0.068	0.094	0.114	0.099	0.003	94%	-2.048	0.001
σ		0.025	0.043	0.035	0.038	0.036	0.005	0%	0.283	0.001
%RSD		27.520	63.860	37.460	33.520	36.090	173.200	0	13.820	119.700
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:21:07	0.602	-2.367	-0.008	-0.143	-0.000	0.019	153.200	156.000	99%
2	01:22:15	0.446	-2.021	0.003	-0.100	0.058	0.012	155.100	152.900	101%
3	01:23:23	0.352	-1.811	-0.008	-0.143	-0.028	0.001	152.500	155.300	100%
X		0.467	-2.066	-0.004	-0.129	0.010	0.011	153.600	154.700	100%
σ		0.126	0.281	0.007	0.025	0.044	0.009	1.343	1.582	1%
%RSD		27.070	13.610	149.500	19.140	447.200	87.820	0.875	1.022	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	01:21:07	99%	0.025	0.015	0.259	0.313	0.309	98%	1.748	
2	01:22:15	100%	0.012	0.010	0.314	0.234	0.292	99%	1.696	
3	01:23:23	100%	0.021	0.012	0.291	0.265	0.263	100%	1.687	
X		100%	0.019	0.012	0.288	0.270	0.288	99%	1.711	
σ		0%	0.006	0.003	0.028	0.040	0.023	1%	0.033	
%RSD		0	32.550	21.140	9.558	14.660	8.081	1	1.921	

C4463-01X25 MH3BA0 11/18/2011 01:27:55 AM

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	01:29:04	89%	0.083	1.678	0.000	268.300	0.519	0.385	-0.151	4.102
2	01:30:12	88%	0.053	0.699	0.000	279.600	1.605	-0.071	0.934	4.845
3	01:31:20	91%	0.022	1.634	0.000	265.900	9.679	8.079	6.567	3.617
x		89%	0.053	1.337	0.000	271.300	3.934	2.797	2.450	4.188
σ		1%	0.030	0.553	0.000	7.331	5.005	4.580	3.606	0.618
%RSD		2	57.390	41.350	0.000	2.702	127.200	163.700	147.200	14.760
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:04	10.400	-9.401	0.000	0.000	41.880	3.528	-0.814	92%	0.282
2	01:30:12	10.870	-10.150	0.000	0.000	50.720	1.648	-5.484	91%	-0.095
3	01:31:20	16.050	-11.380	0.000	0.000	33.010	20.870	18.480	94%	0.184
x		12.440	-10.310	0.000	0.000	41.870	8.682	4.061	92%	0.124
σ		3.134	0.999	0.000	0.000	8.856	10.600	12.700	1%	0.195
%RSD		25.180	9.689	0.000	0.000	21.150	122.100	312.800	2	157.800
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:04	-1.035	0.154	76.370	-4.704	0.123	0.828	-24.700	0.010	-0.078
2	01:30:12	1.115	0.131	71.960	-5.078	0.093	0.598	-27.560	-0.014	0.056
3	01:31:20	0.057	0.158	70.170	-2.687	0.108	3.182	-24.020	-0.009	-0.041
x		0.046	0.148	72.830	-4.156	0.108	1.536	-25.430	-0.004	-0.021
σ		1.075	0.014	3.191	1.286	0.015	1.430	1.880	0.013	0.069
%RSD		2362.000	9.712	4.382	30.950	13.830	93.130	7.394	298.800	329.700
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:04	-0.065	0.008	-0.068	0.293	0.455	0.352	1.334	0.451	-3.051
2	01:30:12	-0.067	-0.037	0.045	-0.070	-0.540	0.418	0.054	-0.536	4.328
3	01:31:20	-0.027	0.079	-0.013	0.248	0.035	0.318	-0.127	0.034	2.675
x		-0.053	0.017	-0.012	0.157	-0.017	0.363	0.421	-0.017	1.317
σ		0.023	0.059	0.056	0.198	0.500	0.051	0.796	0.495	3.873
%RSD		43.170	349.800	472.000	126.100	2950.000	14.010	189.300	2872.000	294.000
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:04	0.007	0.010	0.001	0.039	-0.010	0.017	99%	-2.937	-0.005
2	01:30:12	0.031	-0.043	0.001	0.007	0.006	0.004	98%	-1.642	-0.011
3	01:31:20	-0.029	0.003	0.000	0.017	-0.014	0.017	100%	-1.946	-0.003
x		0.003	-0.010	0.001	0.021	-0.006	0.013	99%	-2.175	-0.006
σ		0.030	0.029	0.000	0.016	0.011	0.007	1%	0.677	0.004
%RSD		1144.000	285.300	44.520	75.400	177.100	57.520	1	31.130	70.150
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:29:04	0.794	-2.948	-0.006	-0.220	-0.058	-0.046	-0.004	0.026	101%
2	01:30:12	0.213	-1.655	0.005	-0.141	-0.074	-0.075	0.031	-0.021	102%
3	01:31:20	0.414	-1.957	-0.007	-0.162	-0.075	-0.069	0.122	0.030	103%
x		0.474	-2.187	-0.003	-0.174	-0.069	-0.063	0.049	0.012	102%
σ		0.295	0.677	0.006	0.041	0.010	0.015	0.065	0.028	1%
%RSD		62.250	30.940	229.900	23.340	14.090	23.650	131.700	239.100	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	01:29:04	102%	-0.006	0.005	-0.003	0.015	-0.003	102%	-0.014	
2	01:30:12	101%	-0.006	0.002	-0.020	0.003	-0.003	102%	-0.013	
3	01:31:20	103%	-0.001	0.011	0.022	0.013	0.018	104%	-0.010	
x		102%	-0.004	0.006	-0.000	0.010	0.004	103%	-0.012	
σ		1%	0.003	0.005	0.021	0.006	0.012	1%	0.002	
%RSD		1	73.150	81.310	34630.000	60.230	304.700	1	14.420	

C4482-01 MB9TA8 11/18/2011 01:35:53 AM

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	01:37:01	83%	0.274	158.700	0.000	62560.000	34570.000	34240.000	33610.000	101.600
2	01:38:09	85%	0.183	157.600	0.000	61600.000	34110.000	33770.000	32910.000	98.320
3	01:39:17	85%	0.284	149.400	0.000	62110.000	34520.000	34030.000	33120.000	98.440
x		84%	0.247	155.200	0.000	62090.000	34400.000	34010.000	33210.000	99.440
σ		1%	0.056	5.101	0.000	478.500	253.400	237.900	361.200	1.845
%RSD		1	22.600	3.286	0.000	0.771	0.737	0.699	1.088	1.855
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:37:01	18060.000	190.000	0.000	0.000	11920.000	41080.000	40960.000	88%	2.735
2	01:38:09	17920.000	187.400	0.000	0.000	11840.000	40710.000	40430.000	89%	3.259
3	01:39:17	17840.000	204.500	0.000	0.000	11830.000	40560.000	40570.000	90%	3.842
x		17940.000	194.000	0.000	0.000	11860.000	40780.000	40650.000	89%	3.279
σ		113.800	9.183	0.000	0.000	54.390	270.600	272.800	1%	0.554
%RSD		0.635	4.735	0.000	0.000	0.459	0.664	0.671	1	16.890
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:37:01	0.656	2.133	75.960	49220.000	1091.000	48950.000	48490.000	11.750	15.720
2	01:38:09	1.736	1.932	72.860	48360.000	1074.000	48150.000	48040.000	11.380	15.880
3	01:39:17	3.188	2.019	68.190	48360.000	1081.000	48160.000	47690.000	11.480	15.080
x		1.860	2.028	72.330	48650.000	1082.000	48420.000	48080.000	11.530	15.560
σ		1.271	0.101	3.910	495.900	8.133	461.700	402.600	0.196	0.423
%RSD		68.330	4.984	5.406	1.019	0.752	0.954	0.837	1.695	2.720
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:37:01	1.982	2.004	32.950	5.706	0.326	0.467	0.333	0.324	2.867
2	01:38:09	2.109	2.146	32.400	6.149	1.090	0.353	1.155	1.084	-0.745
3	01:39:17	2.107	2.098	33.170	5.874	0.591	0.406	1.340	0.588	-0.411
x		2.066	2.083	32.840	5.910	0.669	0.409	0.943	0.665	0.571
σ		0.073	0.072	0.398	0.223	0.388	0.057	0.536	0.386	1.996
%RSD		3.517	3.461	1.213	3.778	58.020	13.910	56.900	58.010	349.800
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:37:01	1.803	0.298	0.475	0.354	0.253	0.000	90%	-0.483	-0.010
2	01:38:09	1.924	0.334	0.359	0.379	0.290	0.000	92%	-1.127	-0.006
3	01:39:17	1.634	0.297	0.345	0.222	0.298	0.000	92%	-0.443	0.005
x		1.787	0.310	0.393	0.319	0.280	0.000	91%	-0.684	-0.004
σ		0.146	0.020	0.072	0.084	0.024	0.000	1%	0.384	0.008
%RSD		8.142	6.614	18.190	26.480	8.625	0.000	1	56.120	227.400
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:37:01	-0.159	-0.506	-0.010	-0.025	0.366	1.702	235.600	233.500	97%
2	01:38:09	0.056	-1.148	-0.006	-0.069	0.264	1.578	230.000	229.100	98%
3	01:39:17	0.031	-0.466	0.001	-0.065	0.278	1.631	233.600	232.000	99%
x		-0.024	-0.707	-0.005	-0.053	0.303	1.637	233.100	231.500	98%
σ		0.118	0.383	0.006	0.024	0.056	0.062	2.872	2.270	1%
%RSD		492.000	54.180	121.600	45.540	18.340	3.802	1.232	0.981	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	01:37:01	98%	-0.002	0.004	3.174	3.186	3.106	96%	0.080	
2	01:38:09	99%	0.005	0.011	3.187	2.858	3.023	97%	0.076	
3	01:39:17	99%	-0.006	0.003	3.204	3.035	3.076	97%	0.073	
x		98%	-0.001	0.006	3.188	3.026	3.068	97%	0.076	
σ		1%	0.005	0.004	0.015	0.164	0.042	1%	0.003	
%RSD		1	485.200	69.360	0.483	5.418	1.363	1	4.577	

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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	01:44:56	87%	494.000	500.200	0.000	52820.000	50070.000	49270.000	48370.000	9362.000
2	01:46:05	85%	508.000	508.200	0.000	53340.000	50600.000	49880.000	48850.000	9402.000
3	01:47:13	85%	503.500	520.400	0.000	53420.000	50840.000	49970.000	48790.000	9432.000
x		86%	501.900	509.600	0.000	53190.000	50500.000	49700.000	48670.000	9399.000
σ		1%	7.167	10.180	0.000	323.000	392.300	377.600	261.900	34.980
%RSD		1	1.428	1.997	0.000	0.607	0.777	0.760	0.538	0.372
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:44:56	469.000	9710.000	0.000	0.000	25290.000	51850.000	50920.000	89%	503.100
2	01:46:05	472.700	9688.000	0.000	0.000	25180.000	51350.000	50400.000	90%	485.600
3	01:47:13	465.000	9699.000	0.000	0.000	25310.000	51070.000	50100.000	90%	491.700
x		468.900	9699.000	0.000	0.000	25260.000	51430.000	50470.000	89%	493.400
σ		3.837	11.070	0.000	0.000	69.800	396.900	416.100	0%	8.879
%RSD		0.818	0.114	0.000	0.000	0.276	0.772	0.825	0	1.799
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:44:56	496.500	496.800	46.970	25200.000	1008.000	25210.000	24880.000	490.200	488.600
2	01:46:05	492.900	495.100	50.570	25040.000	1003.000	25150.000	24800.000	486.900	487.200
3	01:47:13	487.200	492.000	48.020	24960.000	1010.000	25050.000	24840.000	487.100	487.600
x		492.200	494.600	48.520	25070.000	1007.000	25140.000	24840.000	488.100	487.800
σ		4.682	2.449	1.850	118.700	3.175	81.890	36.230	1.838	0.701
%RSD		0.951	0.495	3.814	0.474	0.315	0.326	0.146	0.377	0.144
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:44:56	988.600	977.900	1021.000	496.600	492.500	-0.979	488.600	489.600	-2.628
2	01:46:05	985.300	970.300	1024.000	496.300	484.500	-0.111	481.400	481.800	4.672
3	01:47:13	977.700	975.900	1013.000	495.600	498.000	-0.746	489.000	495.200	0.241
x		983.800	974.700	1019.000	496.200	491.700	-0.612	486.300	488.900	0.762
σ		5.555	3.936	5.833	0.517	6.801	0.450	4.318	6.747	3.678
%RSD		0.565	0.404	0.572	0.104	1.383	73.470	0.888	1.380	482.700
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:44:56	493.500	497.500	494.300	497.200	498.700	0.005	92%	498.000	499.700
2	01:46:05	487.200	495.100	492.200	492.300	495.300	0.000	93%	513.800	500.400
3	01:47:13	492.200	495.800	498.800	498.400	498.500	0.000	93%	482.400	499.500
x		491.000	496.100	495.100	496.000	497.500	0.002	93%	498.100	499.900
σ		3.359	1.234	3.411	3.216	1.908	0.003	0%	15.730	0.491
%RSD		0.684	0.249	0.689	0.648	0.384	173.200	0	3.157	0.098
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:44:56	10.270	497.700	501.300	507.500	508.300	510.800	2487.000	2497.000	100%
2	01:46:05	1.553	513.500	500.400	502.000	501.700	509.700	2488.000	2473.000	100%
3	01:47:13	12.750	482.100	500.000	503.000	508.900	511.000	2477.000	2493.000	100%
x		8.193	497.800	500.600	504.200	506.300	510.500	2484.000	2488.000	100%
σ		5.883	15.690	0.650	2.932	3.971	0.714	5.622	13.040	0%
%RSD		71.800	3.152	0.130	0.582	0.784	0.140	0.226	0.524	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	01:44:56	99%	501.500	503.900	501.800	500.500	499.700	97%	505.400	
2	01:46:05	100%	498.500	503.200	499.200	499.100	499.600	98%	501.500	
3	01:47:13	100%	504.100	505.500	500.200	506.700	502.900	97%	503.300	
x		99%	501.400	504.200	500.400	502.100	500.700	98%	503.400	
σ		0%	2.834	1.175	1.329	4.033	1.899	1%	1.968	
%RSD		0	0.565	0.233	0.266	0.803	0.379	1	0.391	

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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	01:52:50	90%	0.287	6.790	0.000	228.000	2.965	1.390	2.696	6.549
2	01:53:58	88%	0.126	8.971	0.000	246.500	4.828	5.320	2.963	6.875
3	01:55:06	89%	0.348	7.201	0.000	244.500	5.701	4.997	4.589	6.569
x		89%	0.254	7.654	0.000	239.700	4.498	3.902	3.416	6.664
σ		1%	0.115	1.159	0.000	10.130	1.397	2.181	1.025	0.183
%RSD		1	45.400	15.150	0.000	4.228	31.070	55.900	29.990	2.743
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:52:50	2.113	-6.988	0.000	0.000	30.730	-7.031	-4.436	93%	0.083
2	01:53:58	2.721	-8.826	0.000	0.000	34.080	-17.200	-2.742	93%	0.197
3	01:55:06	4.340	-8.001	0.000	0.000	37.030	-9.063	-4.799	93%	0.158
x		3.058	-7.939	0.000	0.000	33.950	-11.100	-3.992	93%	0.146
σ		1.151	0.921	0.000	0.000	3.151	5.382	1.098	0%	0.058
%RSD		37.640	11.600	0.000	0.000	9.283	48.490	27.500	0	39.590
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:52:50	-0.598	0.050	42.840	1.718	0.071	-7.330	-24.950	0.016	-0.081
2	01:53:58	-0.114	0.151	41.390	0.579	0.109	-5.788	-28.700	0.049	-0.062
3	01:55:06	0.040	0.052	40.280	-0.366	0.137	-5.117	-20.010	0.047	-0.026
x		-0.224	0.084	41.500	0.644	0.106	-6.079	-24.550	0.037	-0.056
σ		0.333	0.058	1.281	1.044	0.033	1.135	4.359	0.018	0.028
%RSD		148.800	68.710	3.087	162.200	31.360	18.670	17.750	49.360	50.000
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:52:50	0.041	0.015	-0.202	0.041	0.245	0.215	0.420	0.243	0.085
2	01:53:58	0.034	0.099	-0.169	0.135	0.610	0.195	0.681	0.605	-1.661
3	01:55:06	0.085	0.175	-0.170	0.182	-0.224	0.195	-0.001	-0.223	-0.300
x		0.054	0.096	-0.180	0.120	0.210	0.202	0.367	0.209	-0.625
σ		0.028	0.080	0.019	0.072	0.418	0.012	0.341	0.415	0.918
%RSD		51.690	83.390	10.410	59.940	198.700	5.727	93.860	199.000	146.700
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:52:50	0.394	0.356	0.334	0.407	0.270	0.000	98%	-2.908	0.030
2	01:53:58	0.288	0.290	0.266	0.291	0.241	0.000	98%	-3.022	0.049
3	01:55:06	0.112	0.123	0.240	0.227	0.220	0.000	99%	-2.619	0.078
x		0.264	0.256	0.280	0.308	0.243	0.000	98%	-2.850	0.052
σ		0.143	0.120	0.049	0.091	0.025	0.000	0%	0.208	0.025
%RSD		53.920	47.010	17.320	29.570	10.280	0.000	0	7.288	47.010
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:52:50	1.047	-2.923	0.040	-0.184	0.488	0.748	0.147	0.012	102%
2	01:53:58	0.835	-3.038	0.044	-0.198	0.341	0.562	0.181	0.161	103%
3	01:55:06	0.784	-2.633	0.035	-0.163	0.286	0.480	0.123	0.240	102%
x		0.888	-2.865	0.040	-0.182	0.372	0.597	0.150	0.138	102%
σ		0.139	0.209	0.004	0.018	0.104	0.137	0.029	0.116	0%
%RSD		15.690	7.282	11.300	9.766	28.030	22.980	19.420	83.980	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	01:52:50	103%	0.078	0.081	0.033	0.040	0.039	102%	0.040	
2	01:53:58	102%	0.100	0.083	0.051	0.043	0.054	103%	0.037	
3	01:55:06	103%	0.079	0.076	0.039	0.061	0.051	104%	0.041	
x		103%	0.086	0.080	0.041	0.048	0.048	103%	0.040	
σ		0%	0.013	0.004	0.009	0.011	0.008	1%	0.002	
%RSD		0	14.790	4.371	22.320	23.740	16.890	1	5.362	

Reviewed By jeswall 05/31/2012 1:16:48 PM Instrlg - PB

C4463-14 MH3B95 11/18/2011 01:59:37 AM

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	02:00:45	90%	0.060	24.310	0.000	26520.000	23540.000	23170.000	22790.000	6.955
2	02:01:53	88%	0.072	17.720	0.000	26920.000	24060.000	23620.000	23010.000	7.495
3	02:03:01	88%	-0.024	27.360	0.000	27220.000	24370.000	24110.000	23530.000	9.018
x		89%	0.036	23.130	0.000	26880.000	23990.000	23640.000	23110.000	7.823
σ		1%	0.052	4.926	0.000	349.000	417.800	469.500	378.300	1.070
%RSD		2	146.700	21.300	0.000	1.298	1.742	1.986	1.637	13.680

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:00:45	8967.000	-7.947	0.000	0.000	2004.000	68880.000	68470.000	95%	1.094
2	02:01:53	9148.000	3.611	0.000	0.000	2017.000	68640.000	68290.000	95%	0.993
3	02:03:01	9270.000	-1.792	0.000	0.000	2077.000	71290.000	70220.000	93%	1.173
x		9128.000	-2.043	0.000	0.000	2033.000	69600.000	68990.000	94%	1.087
σ		152.400	5.783	0.000	0.000	38.980	1466.000	1064.000	1%	0.090
%RSD		1.670	283.100	0.000	0.000	1.918	2.106	1.542	1	8.293

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:00:45	-0.035	0.358	45.310	5.621	2.173	20.190	187.300	0.110	0.364
2	02:01:53	1.048	0.268	44.310	9.308	2.093	21.500	197.200	0.074	0.423
3	02:03:01	1.181	0.339	44.540	9.092	2.021	22.210	188.600	0.099	0.343
x		0.731	0.322	44.720	8.007	2.096	21.300	191.000	0.095	0.377
σ		0.667	0.048	0.527	2.069	0.076	1.026	5.360	0.018	0.041
%RSD		91.180	14.760	1.178	25.840	3.637	4.818	2.806	19.460	10.960

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:00:45	0.845	0.824	9.006	2.002	0.347	0.111	1.052	0.345	1.812
2	02:01:53	0.658	1.034	9.702	1.501	0.348	0.147	0.748	0.346	-2.006
3	02:03:01	0.902	1.177	9.494	1.424	0.037	0.211	0.070	0.037	0.944
x		0.801	1.011	9.401	1.642	0.244	0.156	0.623	0.243	0.250
σ		0.128	0.178	0.357	0.314	0.179	0.051	0.503	0.178	2.001
%RSD		15.950	17.550	3.795	19.130	73.320	32.710	80.720	73.410	800.700

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:00:45	0.290	0.198	0.231	0.262	0.153	0.004	97%	-1.338	0.019
2	02:01:53	0.208	0.205	0.175	0.114	0.186	0.009	97%	-0.908	0.056
3	02:03:01	0.141	0.147	0.260	0.190	0.143	0.000	96%	-2.669	0.037
x		0.213	0.183	0.222	0.189	0.161	0.004	97%	-1.638	0.038
σ		0.075	0.032	0.043	0.074	0.022	0.004	1%	0.918	0.018
%RSD		35.230	17.240	19.360	39.290	13.890	100.000	1	56.040	48.990

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:00:45	0.213	-1.357	0.029	-0.076	0.143	0.119	359.600	360.300	103%
2	02:01:53	0.020	-0.927	0.018	-0.047	0.120	0.172	357.200	363.500	103%
3	02:03:01	0.677	-2.686	0.034	-0.127	0.123	0.151	371.200	367.800	101%
x		0.303	-1.657	0.027	-0.083	0.129	0.147	362.700	363.900	103%
σ		0.338	0.917	0.008	0.040	0.013	0.027	7.484	3.739	1%
%RSD		111.500	55.340	30.390	48.240	9.864	18.060	2.064	1.027	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:00:45	104%	0.062	0.062	0.262	0.265	0.275	101%	2.095
2	02:01:53	104%	0.043	0.060	0.252	0.266	0.249	103%	2.044
3	02:03:01	101%	0.055	0.047	0.284	0.228	0.267	101%	2.160
x		103%	0.054	0.056	0.266	0.253	0.264	102%	2.100
σ		1%	0.010	0.008	0.016	0.021	0.013	1%	0.058
%RSD		1	18.130	14.240	6.128	8.492	5.057	1	2.772

C4463-15 MH3B96 11/18/2011 02:07:31 AM

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	02:08:39	87%	0.055	26.940	0.000	36540.000	24520.000	24020.000	23640.000	8.022
2	02:09:47	89%	0.196	19.850	0.000	36080.000	24310.000	23880.000	23440.000	9.222
3	02:10:55	89%	0.086	24.390	0.000	35790.000	24150.000	23690.000	23150.000	8.540
x		88%	0.112	23.730	0.000	36140.000	24330.000	23860.000	23410.000	8.594
σ		1%	0.074	3.589	0.000	378.800	184.700	165.800	247.000	0.602
%RSD		1	66.150	15.130	0.000	1.048	0.759	0.695	1.055	7.004
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:08:39	9117.000	-0.231	0.000	0.000	2103.000	71330.000	70940.000	92%	0.618
2	02:09:47	9094.000	9.988	0.000	0.000	2122.000	71070.000	70590.000	91%	1.065
3	02:10:55	8908.000	6.509	0.000	0.000	2055.000	68790.000	68640.000	93%	0.383
x		9040.000	5.422	0.000	0.000	2093.000	70390.000	70060.000	92%	0.689
σ		114.300	5.195	0.000	0.000	34.200	1397.000	1240.000	1%	0.347
%RSD		1.264	95.820	0.000	0.000	1.634	1.985	1.770	1	50.330
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:08:39	1.322	0.286	44.260	1832.000	14.850	1940.000	1970.000	0.125	0.889
2	02:09:47	1.340	0.423	45.530	1822.000	15.070	1928.000	1993.000	0.165	0.845
3	02:10:55	1.349	0.252	43.660	1781.000	14.900	1900.000	1951.000	0.112	0.682
x		1.337	0.320	44.490	1811.000	14.940	1922.000	1971.000	0.134	0.805
σ		0.014	0.091	0.955	26.800	0.116	20.430	20.870	0.028	0.109
%RSD		1.043	28.380	2.147	1.480	0.775	1.063	1.059	20.740	13.540
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:08:39	0.965	1.103	20.550	1.381	-0.494	0.255	0.355	-0.492	1.771
2	02:09:47	0.827	0.806	20.680	1.905	0.411	0.172	1.023	0.408	-0.402
3	02:10:55	0.892	1.031	19.290	1.149	-0.280	0.303	0.914	-0.278	0.627
x		0.894	0.980	20.170	1.478	-0.121	0.243	0.764	-0.121	0.665
σ		0.069	0.155	0.766	0.388	0.473	0.067	0.359	0.470	1.087
%RSD		7.697	15.810	3.796	26.210	392.100	27.390	46.900	389.200	163.300
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:08:39	0.035	0.122	0.097	0.171	0.087	0.004	95%	-1.494	0.007
2	02:09:47	0.069	0.066	0.128	0.051	0.056	0.009	96%	-2.142	0.017
3	02:10:55	0.058	0.155	0.122	0.062	0.065	0.000	95%	-3.076	0.005
x		0.054	0.114	0.116	0.095	0.069	0.004	95%	-2.237	0.010
σ		0.018	0.045	0.016	0.066	0.016	0.004	1%	0.795	0.007
%RSD		32.690	39.450	13.850	69.980	22.390	99.610	1	35.560	71.430
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:08:39	0.149	-1.513	-0.001	-0.056	0.012	0.041	192.800	197.000	101%
2	02:09:47	0.574	-2.160	0.001	-0.177	0.024	0.081	192.600	193.100	102%
3	02:10:55	0.860	-3.095	0.003	-0.220	0.063	0.056	195.900	194.800	102%
x		0.528	-2.256	0.001	-0.151	0.033	0.059	193.800	195.000	101%
σ		0.358	0.795	0.002	0.085	0.026	0.020	1.839	1.976	1%
%RSD		67.720	35.260	323.600	56.540	79.240	34.620	0.949	1.013	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	02:08:39	101%	0.026	0.016	0.269	0.289	0.265	100%	1.815	
2	02:09:47	102%	0.016	0.014	0.294	0.206	0.268	101%	1.811	
3	02:10:55	102%	0.023	0.012	0.224	0.244	0.257	101%	1.801	
x		102%	0.022	0.014	0.262	0.246	0.263	101%	1.809	
σ		1%	0.005	0.002	0.036	0.042	0.006	1%	0.007	
%RSD		1	22.590	12.050	13.600	16.890	2.126	1	0.402	

C4463-16 MH3B97 11/18/2011 02:15:26 AM

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	02:16:34	87%	0.132	22.410	0.000	18440.000	21670.000	21210.000	20740.000	9.148
2	02:17:42	89%	0.143	23.440	0.000	18470.000	21700.000	21230.000	20830.000	7.134
3	02:18:50	90%	-0.050	22.640	0.000	18280.000	21580.000	20920.000	20670.000	7.027
x		89%	0.075	22.830	0.000	18400.000	21650.000	21120.000	20750.000	7.770
σ		2%	0.109	0.541	0.000	106.200	62.080	170.600	80.480	1.195
%RSD		2	145.000	2.370	0.000	0.577	0.287	0.808	0.388	15.380
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:16:34	9070.000	4.519	0.000	0.000	1934.000	63360.000	63320.000	93%	1.203
2	02:17:42	9077.000	3.951	0.000	0.000	1951.000	64380.000	63640.000	93%	0.763
3	02:18:50	8937.000	0.433	0.000	0.000	1945.000	62820.000	63700.000	93%	1.397
x		9028.000	2.968	0.000	0.000	1943.000	63520.000	63560.000	93%	1.121
σ		78.910	2.213	0.000	0.000	8.280	793.300	205.500	0%	0.325
%RSD		0.874	74.560	0.000	0.000	0.426	1.249	0.323	0	28.960
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:16:34	-0.089	0.339	40.640	33.110	1.654	51.340	197.400	0.016	0.256
2	02:17:42	1.582	0.280	37.850	38.240	1.688	49.090	200.000	0.043	0.399
3	02:18:50	0.733	0.284	38.720	34.730	1.646	50.950	199.100	0.006	0.396
x		0.742	0.301	39.070	35.360	1.663	50.460	198.800	0.022	0.350
σ		0.836	0.033	1.423	2.621	0.022	1.201	1.297	0.019	0.082
%RSD		112.700	11.090	3.643	7.412	1.340	2.381	0.652	89.050	23.390
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:16:34	0.803	0.947	35.840	1.867	1.087	0.180	0.438	1.080	-2.991
2	02:17:42	0.675	0.873	34.790	1.358	0.299	0.244	0.195	0.297	0.162
3	02:18:50	0.828	0.984	35.310	2.215	-0.695	0.127	1.026	-0.691	3.953
x		0.769	0.934	35.310	1.813	0.230	0.184	0.553	0.229	0.375
σ		0.082	0.056	0.522	0.431	0.893	0.059	0.427	0.888	3.477
%RSD		10.630	6.040	1.478	23.790	387.700	31.910	77.250	387.700	927.800
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:16:34	0.139	0.146	0.095	0.285	0.134	0.004	96%	-2.819	-0.009
2	02:17:42	0.079	0.125	0.082	0.209	0.133	0.000	97%	-0.476	-0.000
3	02:18:50	0.172	0.097	0.187	0.124	0.120	0.000	98%	-1.813	-0.013
x		0.130	0.123	0.121	0.206	0.129	0.001	97%	-1.702	-0.007
σ		0.047	0.024	0.057	0.081	0.008	0.003	1%	1.175	0.007
%RSD		36.270	19.870	46.970	39.170	6.043	173.200	1	69.040	89.270
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:16:34	0.744	-2.836	-0.008	-0.203	-0.020	0.070	537.500	538.800	102%
2	02:17:42	-0.308	-0.494	-0.008	-0.007	-0.007	0.033	538.400	535.700	103%
3	02:18:50	0.358	-1.829	-0.006	-0.135	-0.008	0.055	539.500	538.100	103%
x		0.265	-1.720	-0.008	-0.115	-0.012	0.053	538.500	537.500	103%
σ		0.532	1.175	0.001	0.100	0.007	0.018	0.972	1.614	1%
%RSD		201.100	68.310	15.910	86.660	62.140	34.840	0.181	0.300	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	02:16:34	102%	0.010	0.006	0.576	0.534	0.556	102%	2.677	
2	02:17:42	103%	0.004	0.010	0.544	0.493	0.534	102%	2.685	
3	02:18:50	104%	-0.005	0.007	0.516	0.537	0.556	102%	2.686	
x		103%	0.003	0.008	0.545	0.521	0.549	102%	2.683	
σ		1%	0.008	0.002	0.030	0.025	0.013	0%	0.005	
%RSD		1	236.300	22.990	5.557	4.702	2.300	0	0.197	

C4463-18 MH3B99 11/18/2011 02:23:21 AM

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	02:24:29	90%	0.137	19.370	0.000	18640.000	21750.000	21060.000	20590.000	10.690
2	02:25:37	91%	-0.017	18.350	0.000	18370.000	21450.000	20960.000	20570.000	10.740
3	02:26:45	90%	0.063	23.140	0.000	18670.000	21960.000	21340.000	21040.000	11.670
x		90%	0.061	20.280	0.000	18560.000	21720.000	21120.000	20730.000	11.040
σ		1%	0.077	2.522	0.000	161.500	255.200	197.300	265.300	0.551
%RSD		1	126.700	12.430	0.000	0.870	1.175	0.934	1.280	4.994
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:24:29	9076.000	3.320	0.000	0.000	1939.000	63650.000	63680.000	94%	1.382
2	02:25:37	9021.000	9.114	0.000	0.000	1937.000	64090.000	63880.000	94%	0.967
3	02:26:45	9205.000	1.943	0.000	0.000	1988.000	65860.000	64640.000	93%	1.099
x		9101.000	4.792	0.000	0.000	1955.000	64530.000	64070.000	94%	1.150
σ		94.860	3.806	0.000	0.000	28.600	1173.000	506.600	1%	0.212
%RSD		1.042	79.410	0.000	0.000	1.463	1.817	0.791	1	18.450
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:24:29	1.020	0.238	35.710	46.260	1.671	56.420	198.600	0.034	0.288
2	02:25:37	1.159	0.220	35.910	40.410	1.542	56.600	204.300	0.040	0.325
3	02:26:45	0.880	0.275	35.350	43.170	1.707	56.430	217.100	0.039	0.294
x		1.020	0.244	35.660	43.280	1.640	56.480	206.600	0.038	0.302
σ		0.139	0.028	0.284	2.926	0.087	0.099	9.465	0.003	0.020
%RSD		13.670	11.480	0.795	6.761	5.310	0.176	4.580	8.498	6.612
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:24:29	0.770	0.970	37.350	1.926	0.036	0.201	0.682	0.035	3.207
2	02:25:37	0.766	0.810	38.390	1.928	-0.433	0.211	0.912	-0.431	0.469
3	02:26:45	0.758	1.077	38.900	2.161	0.298	0.128	1.690	0.296	-1.635
x		0.765	0.952	38.210	2.005	-0.033	0.180	1.095	-0.033	0.680
σ		0.006	0.135	0.792	0.135	0.371	0.045	0.528	0.368	2.428
%RSD		0.771	14.130	2.071	6.733	1119.000	25.140	48.250	1101.000	356.900
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:24:29	0.113	0.064	0.205	0.102	0.169	0.004	98%	-2.470	-0.009
2	02:25:37	0.173	0.091	0.120	0.167	0.125	0.004	97%	-2.633	-0.000
3	02:26:45	0.125	0.051	0.199	0.166	0.112	0.004	98%	-2.782	-0.011
x		0.137	0.068	0.175	0.145	0.135	0.004	97%	-2.628	-0.007
σ		0.032	0.021	0.048	0.037	0.030	0.000	0%	0.156	0.006
%RSD		23.340	30.350	27.380	25.510	21.880	0.398	0	5.924	85.500
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:24:29	0.720	-2.489	-0.011	-0.172	-0.021	0.006	536.200	537.400	104%
2	02:25:37	0.728	-2.653	-0.013	-0.201	-0.001	0.022	541.100	537.400	104%
3	02:26:45	0.728	-2.800	-0.009	-0.192	-0.015	0.015	549.400	543.200	103%
x		0.725	-2.647	-0.011	-0.188	-0.012	0.014	542.200	539.400	104%
σ		0.005	0.155	0.002	0.015	0.011	0.008	6.645	3.340	0%
%RSD		0.624	5.869	20.420	7.835	86.820	56.630	1.225	0.619	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	02:24:29	103%	0.003	-0.002	0.556	0.485	0.502	103%	2.724	
2	02:25:37	103%	-0.003	-0.002	0.516	0.491	0.519	102%	2.722	
3	02:26:45	104%	-0.007	-0.003	0.519	0.458	0.519	103%	2.718	
x		103%	-0.002	-0.002	0.530	0.478	0.513	103%	2.721	
σ		1%	0.005	0.001	0.022	0.017	0.010	0%	0.003	
%RSD		1	221.800	34.080	4.149	3.634	1.863	0	0.117	

Reviewed By Jasvir
@11/22/2011 1:16:48
PM
Inst.Id: R8

C4463-14X25 MH3B95 11/18/2011 02:31:17 AM

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	02:32:25	90%	0.004	0.962	0.000	1346.000	1001.000	948.000	925.900	6.402
2	02:33:33	92%	-0.021	1.239	0.000	1314.000	972.900	930.500	915.600	5.003
3	02:34:41	91%	-0.015	1.963	0.000	1322.000	982.600	935.700	914.600	5.759
x		91%	-0.011	1.388	0.000	1327.000	985.400	938.100	918.700	5.721
σ		1%	0.013	0.517	0.000	16.660	14.120	8.988	6.260	0.701
%RSD		1	124.500	37.260	0.000	1.255	1.433	0.958	0.681	12.250
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:25	365.200	-8.893	0.000	0.000	104.900	2970.000	2868.000	94%	0.181
2	02:33:33	355.900	-14.280	0.000	0.000	94.210	2752.000	2789.000	95%	-0.195
3	02:34:41	360.000	-7.876	0.000	0.000	89.520	2698.000	2785.000	96%	-0.091
x		360.400	-10.350	0.000	0.000	96.200	2807.000	2814.000	95%	-0.035
σ		4.693	3.442	0.000	0.000	7.873	144.100	46.660	1%	0.194
%RSD		1.302	33.260	0.000	0.000	8.183	5.134	1.658	1	547.700
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:25	-0.093	0.109	33.440	-5.247	0.102	-1.316	-22.780	-0.006	-0.135
2	02:33:33	-0.357	0.029	33.310	-4.547	0.070	-2.235	-22.640	0.010	-0.156
3	02:34:41	-0.531	0.100	33.120	-7.599	0.121	-1.640	-16.870	-0.010	-0.214
x		-0.327	0.079	33.290	-5.798	0.097	-1.730	-20.760	-0.002	-0.168
σ		0.220	0.044	0.158	1.599	0.026	0.466	3.371	0.011	0.040
%RSD		67.340	55.390	0.474	27.580	26.730	26.950	16.230	532.900	24.030
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:25	-0.011	0.009	0.120	0.109	0.084	0.172	0.674	0.083	1.130
2	02:33:33	0.088	-0.030	0.201	0.605	-0.372	0.090	0.822	-0.370	1.797
3	02:34:41	0.005	0.004	0.087	-0.114	-0.068	0.243	0.724	-0.068	1.975
x		0.027	-0.006	0.136	0.200	-0.119	0.168	0.740	-0.118	1.634
σ		0.053	0.021	0.059	0.368	0.232	0.076	0.075	0.230	0.445
%RSD		196.000	371.300	43.070	184.200	195.800	45.480	10.180	194.900	27.250
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:25	-0.008	0.002	-0.012	-0.004	-0.003	0.000	102%	-1.780	-0.018
2	02:33:33	-0.031	-0.005	0.006	-0.024	0.001	0.004	101%	-1.545	-0.016
3	02:34:41	-0.009	-0.012	0.005	-0.014	-0.007	0.008	103%	-1.237	-0.014
x		-0.016	-0.005	-0.000	-0.014	-0.003	0.004	102%	-1.521	-0.016
σ		0.013	0.007	0.010	0.010	0.004	0.004	1%	0.273	0.002
%RSD		79.110	140.400	2254.000	73.130	138.800	99.520	1	17.930	13.100
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:32:25	0.403	-1.793	-0.013	-0.152	-0.009	-0.014	14.710	13.790	105%
2	02:33:33	0.171	-1.561	-0.009	-0.135	-0.092	-0.040	13.810	14.090	106%
3	02:34:41	0.030	-1.246	-0.009	-0.095	-0.051	-0.044	13.510	13.990	105%
x		0.201	-1.533	-0.010	-0.127	-0.050	-0.033	14.010	13.950	106%
σ		0.188	0.274	0.002	0.029	0.042	0.016	0.625	0.153	1%
%RSD		93.490	17.900	23.650	22.830	82.680	49.380	4.463	1.098	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	02:32:25	105%	0.004	0.001	-0.031	-0.004	-0.019	106%	0.059	
2	02:33:33	106%	-0.007	0.002	-0.024	-0.020	-0.022	105%	0.070	
3	02:34:41	105%	-0.005	-0.003	-0.027	0.000	-0.017	105%	0.062	
x		106%	-0.003	-0.000	-0.027	-0.008	-0.020	105%	0.064	
σ		1%	0.006	0.003	0.003	0.011	0.003	1%	0.006	
%RSD		1	227.700	5922.000	12.730	132.100	12.900	1	9.034	

Reviewed By:aswartz
On:11/22/2011 1:16:48 PM
Inst Id:P8

C4463-15X25 MH3B96 11/18/2011 02:39:12 AM

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	02:40:20	90%	0.063	0.302	0.000	1741.000	1012.000	954.400	931.900	7.085
2	02:41:29	88%	0.050	-1.050	0.000	1751.000	1020.000	981.800	954.200	7.526
3	02:42:37	94%	0.064	0.221	0.000	1672.000	989.400	944.400	923.200	6.062
x		91%	0.059	-0.176	0.000	1721.000	1007.000	960.200	936.400	6.891
σ		3%	0.008	0.758	0.000	42.680	15.700	19.330	16.000	0.751
%RSD		3	12.960	432.200	0.000	2.479	1.559	2.014	1.708	10.900

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:20	354.500	-11.200	0.000	0.000	109.200	2852.000	2796.000	94%	0.257
2	02:41:29	360.700	-9.344	0.000	0.000	109.900	2835.000	2772.000	95%	-0.228
3	02:42:37	348.000	-10.460	0.000	0.000	103.100	2793.000	2791.000	94%	0.624
x		354.400	-10.330	0.000	0.000	107.400	2826.000	2786.000	94%	0.218
σ		6.341	0.933	0.000	0.000	3.703	30.600	12.370	0%	0.427
%RSD		1.789	9.030	0.000	0.000	3.448	1.083	0.444	0	196.200

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:20	0.212	0.076	30.860	67.750	0.520	74.380	60.860	0.003	-0.143
2	02:41:29	0.198	0.061	31.580	68.470	0.569	75.070	50.260	-0.018	-0.135
3	02:42:37	-0.166	-0.014	31.130	66.100	0.588	74.400	47.820	-0.026	-0.107
x		0.081	0.041	31.190	67.440	0.559	74.620	52.980	-0.014	-0.129
σ		0.214	0.048	0.364	1.214	0.035	0.391	6.934	0.015	0.019
%RSD		263.500	118.700	1.168	1.800	6.228	0.524	13.090	108.000	14.840

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:20	-0.006	0.063	0.575	0.049	-0.119	0.194	0.431	-0.118	-2.546
2	02:41:29	-0.007	0.099	0.678	0.028	-0.833	0.184	0.845	-0.827	2.219
3	02:42:37	-0.021	0.108	0.853	0.253	0.392	0.169	0.867	0.388	-1.168
x		-0.011	0.090	0.702	0.110	-0.186	0.183	0.714	-0.185	-0.498
σ		0.008	0.024	0.141	0.125	0.615	0.013	0.246	0.610	2.452
%RSD		73.220	26.660	20.040	113.100	330.000	6.843	34.400	329.100	492.100

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:20	0.027	-0.004	0.006	0.048	-0.003	0.008	101%	-1.826	-0.007
2	02:41:29	-0.053	-0.017	-0.024	-0.004	0.005	0.000	101%	-0.873	-0.013
3	02:42:37	-0.076	-0.037	0.000	0.007	-0.003	0.004	100%	-2.528	-0.018
x		-0.034	-0.019	-0.006	0.017	-0.000	0.004	101%	-1.742	-0.013
σ		0.054	0.016	0.016	0.027	0.005	0.004	0%	0.830	0.005
%RSD		158.800	84.020	264.000	159.400	111300.000	99.880	0	47.660	41.190

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:20	0.296	-1.840	-0.000	-0.145	-0.043	-0.035	7.433	7.275	105%
2	02:41:29	-0.003	-0.887	-0.011	-0.108	-0.034	-0.052	8.012	7.585	105%
3	02:42:37	0.611	-2.541	-0.015	-0.192	-0.046	-0.041	7.676	7.766	104%
x		0.301	-1.756	-0.009	-0.148	-0.041	-0.043	7.707	7.542	105%
σ		0.307	0.830	0.008	0.042	0.007	0.009	0.291	0.248	1%
%RSD		101.900	47.270	87.650	28.330	16.200	20.200	3.770	3.293	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:40:20	105%	0.003	-0.007	-0.029	-0.024	-0.026	105%	0.047
2	02:41:29	104%	-0.004	0.003	-0.013	-0.027	-0.022	105%	0.055
3	02:42:37	105%	-0.004	0.000	-0.029	-0.001	-0.018	105%	0.045
x		105%	-0.002	-0.001	-0.024	-0.018	-0.022	105%	0.049
σ		0%	0.004	0.005	0.009	0.014	0.004	0%	0.006
%RSD		0	250.000	387.900	39.430	81.930	17.540	0	11.450

C4463-16X25 MH3B97 11/18/2011 02:47:09 AM

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	02:48:17	91%	0.022	1.967	0.000	990.000	889.000	850.600	812.600	8.518
2	02:49:25	90%	0.209	0.294	0.000	1014.000	893.200	847.300	835.600	9.062
3	02:50:33	88%	0.238	0.676	0.000	1035.000	910.500	850.800	840.400	8.940
x		90%	0.156	0.979	0.000	1013.000	897.600	849.600	829.500	8.840
σ		1%	0.117	0.877	0.000	22.610	11.380	1.964	14.850	0.285
%RSD		1	75.050	89.560	0.000	2.232	1.268	0.231	1.790	3.225
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:48:17	352.100	-7.396	0.000	0.000	97.060	2558.000	2515.000	95%	0.508
2	02:49:25	352.300	-10.820	0.000	0.000	110.600	2614.000	2579.000	93%	0.007
3	02:50:33	364.200	-5.254	0.000	0.000	109.000	2639.000	2548.000	94%	0.111
x		356.200	-7.823	0.000	0.000	105.500	2604.000	2547.000	94%	0.208
σ		6.898	2.806	0.000	0.000	7.380	41.250	32.380	1%	0.265
%RSD		1.936	35.870	0.000	0.000	6.993	1.584	1.271	1	127.000
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:48:17	0.527	0.014	27.490	-6.233	0.092	-0.086	-15.370	-0.014	-0.181
2	02:49:25	-0.363	0.015	30.040	-2.447	0.132	0.299	-13.700	-0.003	-0.140
3	02:50:33	1.032	0.101	26.650	-5.669	0.084	-0.259	-23.100	-0.009	-0.197
x		0.399	0.043	28.060	-4.783	0.103	-0.015	-17.390	-0.009	-0.173
σ		0.707	0.050	1.766	2.042	0.025	0.286	5.015	0.005	0.030
%RSD		177.200	115.900	6.292	42.700	24.740	1878.000	28.840	63.750	17.230
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:48:17	0.073	0.009	1.236	0.522	0.086	0.117	0.718	0.085	-3.211
2	02:49:25	-0.010	0.043	1.506	0.240	0.189	0.136	0.911	0.187	1.628
3	02:50:33	0.021	0.102	1.301	0.327	-0.068	0.151	0.931	-0.068	-0.442
x		0.028	0.051	1.348	0.363	0.069	0.135	0.853	0.068	-0.675
σ		0.042	0.047	0.141	0.144	0.129	0.017	0.118	0.128	2.428
%RSD		149.700	91.580	10.460	39.790	187.300	12.780	13.800	188.600	359.700
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:48:17	-0.018	-0.011	0.000	-0.003	0.017	0.004	100%	-2.407	-0.003
2	02:49:25	0.051	-0.030	-0.006	0.017	-0.014	0.000	100%	-2.008	-0.013
3	02:50:33	-0.018	-0.017	-0.006	0.017	0.017	0.004	100%	-3.870	-0.005
x		0.005	-0.019	-0.004	0.010	0.007	0.003	100%	-2.762	-0.007
σ		0.040	0.010	0.003	0.012	0.018	0.002	0%	0.981	0.006
%RSD		843.300	51.800	89.850	115.300	271.700	86.600	0	35.510	76.450
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:48:17	0.559	-2.424	-0.009	-0.176	-0.059	-0.043	20.930	20.930	106%
2	02:49:25	0.442	-2.021	-0.013	-0.158	-0.043	-0.041	20.930	20.610	104%
3	02:50:33	1.280	-3.886	-0.017	-0.275	-0.066	-0.052	21.560	21.350	105%
x		0.760	-2.777	-0.013	-0.203	-0.056	-0.045	21.140	20.960	105%
σ		0.454	0.981	0.004	0.064	0.012	0.006	0.363	0.368	1%
%RSD		59.680	35.340	32.970	31.300	20.840	12.330	1.718	1.754	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	02:48:17	105%	-0.007	-0.002	-0.006	0.032	0.006	105%	0.096	
2	02:49:25	105%	0.010	0.009	-0.007	0.026	0.006	105%	0.096	
3	02:50:33	105%	0.006	-0.006	0.000	0.011	0.001	106%	0.090	
x		105%	0.003	0.000	-0.004	0.023	0.004	105%	0.094	
σ		0%	0.009	0.007	0.004	0.011	0.003	0%	0.003	
%RSD		0	263.700	2157.000	93.820	45.990	62.750	0	3.691	

C4463-18X25 MH3B99 11/18/2011 02:55:06 AM

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	02:56:14	88%	0.034	0.345	0.000	1046.000	906.900	861.200	839.700	8.580
2	02:57:21	89%	-0.046	4.795	0.000	1051.000	909.400	862.600	841.100	9.264
3	02:58:30	92%	0.088	1.246	0.000	984.100	872.900	820.600	800.200	7.066
x		90%	0.025	2.129	0.000	1027.000	896.400	848.200	827.000	8.303
σ		2%	0.067	2.353	0.000	37.260	20.370	23.860	23.190	1.125
%RSD		3	265.000	110.500	0.000	3.628	2.273	2.813	2.804	13.550
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:14	352.900	-10.910	0.000	0.000	105.800	2552.000	2531.000	94%	0.297
2	02:57:21	367.100	-8.504	0.000	0.000	122.200	2740.000	2624.000	92%	0.209
3	02:58:30	347.600	-8.239	0.000	0.000	97.340	2559.000	2514.000	94%	0.254
x		355.900	-9.216	0.000	0.000	108.500	2617.000	2556.000	93%	0.253
σ		10.070	1.469	0.000	0.000	12.660	106.800	59.130	1%	0.044
%RSD		2.830	15.940	0.000	0.000	11.670	4.080	2.313	2	17.300
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:14	-0.290	0.018	27.270	-5.965	0.152	0.330	-21.340	-0.001	-0.216
2	02:57:21	0.128	0.152	27.110	-0.679	0.142	0.923	-19.850	-0.006	-0.126
3	02:58:30	0.202	0.020	25.840	-4.774	0.076	-0.913	-25.360	-0.010	-0.173
x		0.013	0.064	26.740	-3.806	0.123	0.113	-22.180	-0.006	-0.171
σ		0.266	0.077	0.786	2.772	0.041	0.937	2.853	0.004	0.045
%RSD		1995.000	121.100	2.941	72.840	33.510	826.600	12.860	75.260	26.380
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:14	-0.016	0.026	1.267	-0.008	-0.068	0.186	0.248	-0.068	-1.833
2	02:57:21	-0.006	0.023	1.280	0.004	-0.172	0.208	0.051	-0.171	1.736
3	02:58:30	0.028	-0.014	1.259	0.105	-0.068	0.156	0.407	-0.068	-0.942
x		0.002	0.011	1.269	0.034	-0.103	0.183	0.235	-0.102	-0.346
σ		0.023	0.022	0.010	0.062	0.060	0.026	0.178	0.060	1.858
%RSD		1051.000	196.700	0.799	185.400	58.760	14.300	75.730	58.400	536.300
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:14	0.119	-0.024	0.000	0.017	-0.007	0.004	100%	-3.889	-0.007
2	02:57:21	-0.018	-0.010	0.000	0.048	0.014	0.004	100%	-2.083	-0.013
3	02:58:30	-0.076	-0.024	-0.018	0.006	-0.007	0.000	102%	-1.925	-0.016
x		0.008	-0.019	-0.006	0.024	0.000	0.003	101%	-2.632	-0.012
σ		0.100	0.008	0.011	0.022	0.012	0.002	1%	1.091	0.004
%RSD		1196.000	40.370	179.400	91.390	45400.000	86.600	1	41.450	36.440
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:56:14	1.288	-3.905	-0.009	-0.268	-0.053	-0.041	21.570	21.450	105%
2	02:57:21	0.413	-2.099	-0.007	-0.162	-0.072	-0.058	21.300	21.290	105%
3	02:58:30	0.340	-1.937	-0.003	-0.098	-0.076	-0.084	20.540	20.540	106%
x		0.680	-2.647	-0.006	-0.176	-0.067	-0.061	21.140	21.100	105%
σ		0.528	1.092	0.003	0.086	0.012	0.022	0.534	0.484	0%
%RSD		77.560	41.270	52.440	48.710	18.620	35.350	2.526	2.295	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	02:56:14	105%	0.000	-0.001	-0.020	0.013	-0.005	105%	0.089	
2	02:57:21	104%	-0.013	-0.003	-0.016	-0.020	-0.013	105%	0.101	
3	02:58:30	106%	-0.008	0.002	-0.012	0.006	0.002	107%	0.085	
x		105%	-0.007	-0.001	-0.016	-0.000	-0.005	106%	0.091	
σ		1%	0.007	0.003	0.004	0.018	0.008	1%	0.008	
%RSD		1	94.740	498.100	22.920	12270.000	149.500	1	8.849	

C4463-05 MH3888 11/18/2011 03:03:02 AM

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	03:04:10	89%	2.258	234.400	0.000	715800.000	154300.000	146800.000	142800.000	16180.000
2	03:05:19	86%	2.172	253.800	0.000	748600.000	162300.000	155900.000	150100.000	17020.000
3	03:06:27	87%	2.127	228.700	0.000	743000.000	161200.000	152500.000	148000.000	16880.000
x		87%	2.186	239.000	0.000	735800.000	159300.000	151700.000	147000.000	16690.000
σ		2%	0.067	13.170	0.000	17500.000	4321.000	4583.000	3782.000	450.700
%RSD		2	3.042	5.509	0.000	2.378	2.713	3.020	2.573	2.699
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:04:10	30720.000	2496.000	0.000	0.000	26190.000	253400.000	252000.000	96%	381.600
2	03:05:19	32250.000	2582.000	0.000	0.000	27000.000	260100.000	257700.000	96%	392.300
3	03:06:27	31730.000	2585.000	0.000	0.000	26980.000	255500.000	253200.000	98%	392.300
x		31560.000	2554.000	0.000	0.000	26730.000	256300.000	254300.000	97%	388.700
σ		778.700	50.460	0.000	0.000	459.400	3421.000	3018.000	1%	6.222
%RSD		2.467	1.975	0.000	0.000	1.719	1.335	1.187	1	1.601
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:04:10	40.630	76.900	96.540	62990.000	13110.000	66350.000	65920.000	33.790	48.910
2	03:05:19	39.180	78.240	107.300	64250.000	13290.000	67890.000	67250.000	35.120	49.920
3	03:06:27	41.410	76.950	105.200	63770.000	13200.000	67060.000	66620.000	34.350	50.040
x		40.410	77.360	103.000	63670.000	13200.000	67100.000	66600.000	34.420	49.620
σ		1.130	0.761	5.713	633.900	94.250	770.800	664.300	0.666	0.621
%RSD		2.796	0.983	5.545	0.996	0.714	1.149	0.998	1.935	1.251
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:04:10	175.200	176.300	116.600	40.640	0.312	1.093	1.290	0.314	6.984
2	03:05:19	179.000	178.300	118.800	41.560	0.470	1.054	1.621	0.472	7.170
3	03:06:27	176.400	173.500	117.700	39.510	-0.281	1.336	1.911	-0.281	9.702
x		176.900	176.000	117.700	40.570	0.167	1.161	1.607	0.168	7.952
σ		1.940	2.399	1.080	1.028	0.396	0.153	0.311	0.397	1.518
%RSD		1.097	1.363	0.918	2.534	236.800	13.170	19.320	236.200	19.090
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:04:10	55.880	11.550	14.880	12.160	11.360	0.005	88%	5.147	0.602
2	03:05:19	56.710	11.690	15.490	11.430	11.670	0.005	90%	7.779	0.501
3	03:06:27	57.720	11.290	15.880	12.010	11.480	0.018	91%	8.818	0.513
x		56.770	11.510	15.420	11.870	11.500	0.009	90%	7.248	0.538
σ		0.923	0.205	0.501	0.386	0.156	0.008	1%	1.892	0.055
%RSD		1.625	1.780	3.252	3.252	1.355	85.110	2	26.110	10.200
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:04:10	-0.717	5.097	0.597	0.938	1.112	1.518	3629.000	3595.000	101%
2	03:05:19	-0.920	7.728	0.500	1.018	1.213	1.561	3681.000	3661.000	101%
3	03:06:27	-1.306	8.762	0.494	0.870	1.140	1.606	3628.000	3655.000	103%
x		-0.981	7.196	0.530	0.942	1.155	1.562	3646.000	3637.000	102%
σ		0.299	1.890	0.058	0.074	0.052	0.044	30.440	36.450	2%
%RSD		30.510	26.260	10.960	7.874	4.534	2.832	0.835	1.002	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	03:04:10	101%	0.497	0.519	110.900	96.800	103.000	96%	8.929	
2	03:05:19	102%	0.524	0.496	113.900	99.660	105.400	96%	9.091	
3	03:06:27	104%	0.490	0.479	113.800	99.950	105.800	97%	8.946	
x		102%	0.503	0.498	112.900	98.800	104.700	97%	8.988	
σ		1%	0.018	0.020	1.672	1.740	1.480	0%	0.089	
%RSD		1	3.544	4.044	1.481	1.761	1.413	0	0.989	

C4463-05X25 MH3B88 11/18/2011 03:11:00 AM

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	03:12:08	93%	0.119	8.407	0.000	31740.000	7073.000	6758.000	6608.000	773.400
2	03:13:16	93%	0.066	14.670	0.000	31730.000	7109.000	6717.000	6558.000	763.400
3	03:14:24	91%	0.222	16.700	0.000	32160.000	7190.000	6857.000	6737.000	786.500
x		92%	0.136	13.260	0.000	31880.000	7124.000	6777.000	6634.000	774.400
σ		1%	0.079	4.325	0.000	247.500	59.840	72.000	92.170	11.600
%RSD		1	58.310	32.610	0.000	0.777	0.840	1.062	1.389	1.498
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:08	1341.000	94.570	0.000	0.000	1208.000	10960.000	11100.000	101%	16.150
2	03:13:16	1316.000	101.400	0.000	0.000	1211.000	11180.000	10940.000	101%	15.580
3	03:14:24	1354.000	100.000	0.000	0.000	1235.000	11460.000	11210.000	99%	17.390
x		1337.000	98.680	0.000	0.000	1218.000	11200.000	11090.000	100%	16.370
σ		19.320	3.632	0.000	0.000	14.900	248.500	133.400	1%	0.925
%RSD		1.445	3.680	0.000	0.000	1.223	2.219	1.203	1	5.652
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:08	1.871	3.301	37.780	2934.000	586.100	2972.000	2904.000	1.587	2.477
2	03:13:16	1.059	3.531	37.280	2892.000	578.800	2929.000	2869.000	1.544	2.088
3	03:14:24	1.363	3.320	35.550	2948.000	588.500	2951.000	2929.000	1.493	2.121
x		1.431	3.384	36.870	2925.000	584.400	2951.000	2901.000	1.542	2.228
σ		0.410	0.128	1.170	29.200	5.017	21.650	30.290	0.047	0.216
%RSD		28.660	3.775	3.173	0.999	0.858	0.734	1.044	3.053	9.691
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:08	8.462	7.984	5.067	1.870	0.612	0.223	0.643	0.608	-1.289
2	03:13:16	8.374	7.673	5.114	1.708	-0.310	0.247	1.229	-0.308	4.139
3	03:14:24	8.322	8.006	5.268	1.699	0.079	0.250	0.442	0.077	0.363
x		8.386	7.888	5.150	1.759	0.127	0.240	0.772	0.126	1.071
σ		0.071	0.186	0.105	0.096	0.463	0.015	0.409	0.460	2.783
%RSD		0.843	2.360	2.045	5.479	364.600	6.172	53.000	365.600	259.700
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:08	2.193	0.356	0.566	0.478	0.441	0.000	104%	-2.269	0.019
2	03:13:16	1.792	0.519	0.583	0.668	0.444	0.004	105%	-3.531	0.016
3	03:14:24	2.110	0.410	0.506	0.417	0.393	0.000	105%	-2.517	0.004
x		2.032	0.428	0.551	0.521	0.426	0.001	105%	-2.772	0.013
σ		0.212	0.083	0.041	0.131	0.028	0.002	1%	0.669	0.008
%RSD		10.410	19.400	7.361	25.150	6.673	173.200	1	24.130	58.700
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:12:08	0.743	-2.283	0.022	-0.178	-0.034	0.002	150.200	146.100	109%
2	03:13:16	1.124	-3.546	0.021	-0.236	0.021	-0.005	145.800	144.500	110%
3	03:14:24	0.669	-2.532	0.013	-0.184	-0.028	-0.017	146.500	144.600	110%
x		0.845	-2.787	0.019	-0.199	-0.013	-0.007	147.500	145.100	110%
σ		0.244	0.669	0.005	0.032	0.030	0.010	2.382	0.899	1%
%RSD		28.900	24.010	25.310	15.990	224.600	140.900	1.615	0.620	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	03:12:08	109%	0.022	0.019	4.482	3.903	4.206	107%	0.313	
2	03:13:16	109%	0.016	0.014	4.624	3.817	4.187	108%	0.321	
3	03:14:24	110%	0.011	0.022	4.679	3.845	4.200	108%	0.328	
x		109%	0.017	0.018	4.595	3.855	4.198	107%	0.321	
σ		1%	0.006	0.004	0.102	0.044	0.010	0%	0.008	
%RSD		1	33.610	23.270	2.209	1.133	0.236	0	2.342	

Reviewed By jaswal1 On 11/22/2011 4:16:48 PM Inst Id: P6

CCV54 11/18/2011 03:18:55 AM

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	03:20:03	89%	501.400	509.700	0.000	53630.000	50930.000	49920.000	48870.000	9479.000
2	03:21:12	91%	486.800	490.500	0.000	53020.000	50350.000	49520.000	48620.000	9358.000
3	03:22:20	87%	515.500	500.700	0.000	54640.000	51950.000	50620.000	49380.000	9653.000
x		89%	501.200	500.300	0.000	53760.000	51070.000	50020.000	48960.000	9497.000
σ		2%	14.370	9.618	0.000	819.100	808.500	559.100	386.700	148.600
%RSD		2	2.867	1.922	0.000	1.524	1.583	1.118	0.790	1.565

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:20:03	458.800	9718.000	0.000	0.000	25620.000	51280.000	51060.000	95%	495.600
2	03:21:12	457.800	9722.000	0.000	0.000	25560.000	51960.000	51250.000	94%	496.100
3	03:22:20	459.600	9879.000	0.000	0.000	25810.000	51630.000	51320.000	94%	504.100
x		458.700	9773.000	0.000	0.000	25660.000	51620.000	51210.000	94%	498.600
σ		0.914	91.840	0.000	0.000	131.400	337.400	136.100	0%	4.759
%RSD		0.199	0.940	0.000	0.000	0.512	0.654	0.266	0	0.955

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:20:03	499.400	496.700	21.470	25290.000	1015.000	25150.000	24790.000	490.300	485.100
2	03:21:12	496.600	501.300	24.010	25350.000	1019.000	25220.000	24960.000	488.400	487.000
3	03:22:20	502.300	504.500	21.560	25410.000	1019.000	25610.000	25200.000	493.100	482.300
x		499.400	500.800	22.350	25350.000	1017.000	25330.000	24980.000	490.600	484.800
σ		2.835	3.891	1.437	58.050	2.429	248.200	202.700	2.377	2.345
%RSD		0.568	0.777	6.432	0.229	0.239	0.980	0.811	0.484	0.484

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:20:03	978.900	975.000	1027.000	499.000	488.000	-1.094	492.600	484.900	4.800
2	03:21:12	989.800	979.900	1036.000	495.300	500.700	-0.413	488.000	497.400	-2.426
3	03:22:20	984.900	989.900	1032.000	502.700	501.600	-0.855	490.900	498.100	0.350
x		984.500	981.600	1032.000	499.000	496.800	-0.788	490.500	493.500	0.908
σ		5.438	7.613	4.115	3.736	7.612	0.346	2.307	7.450	3.645
%RSD		0.552	0.776	0.399	0.749	1.532	43.870	0.470	1.510	401.600

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:20:03	492.700	494.000	495.100	496.800	496.600	0.013	99%	499.000	499.700
2	03:21:12	492.500	498.100	494.200	496.000	497.900	0.013	99%	502.500	505.700
3	03:22:20	498.700	498.800	498.000	498.900	497.700	0.004	99%	503.600	505.400
x		494.600	497.000	495.800	497.300	497.400	0.010	99%	501.700	503.600
σ		3.558	2.603	1.989	1.466	0.693	0.005	0%	2.390	3.366
%RSD		0.719	0.524	0.401	0.295	0.139	49.480	0	0.476	0.668

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:20:03	15.920	498.600	502.500	503.500	502.800	507.300	2488.000	2469.000	107%
2	03:21:12	9.327	502.300	499.400	506.500	507.100	516.300	2490.000	2486.000	106%
3	03:22:20	16.010	503.400	503.400	505.400	508.900	514.400	2484.000	2488.000	106%
x		13.750	501.400	501.800	505.100	506.300	512.700	2488.000	2481.000	106%
σ		3.834	2.481	2.110	1.498	3.162	4.724	3.175	10.340	1%
%RSD		27.880	0.495	0.421	0.297	0.625	0.922	0.128	0.417	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:20:03	106%	498.000	501.000	500.200	498.300	498.800	103%	499.400
2	03:21:12	107%	500.500	501.400	499.500	503.100	499.800	103%	494.300
3	03:22:20	106%	500.300	501.900	503.000	500.600	500.400	104%	494.600
x		106%	499.600	501.400	500.900	500.700	499.600	103%	496.100
σ		0%	1.366	0.438	1.827	2.359	0.783	0%	2.855
%RSD		0	0.274	0.087	0.365	0.471	0.157	0	0.575

CCB54 11/18/2011 03:26:50 AM

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	03:27:58	93%	0.011	3.496	0.000	257.100	2.133	3.323	-0.360	7.049
2	03:29:06	92%	0.087	2.881	0.000	268.800	8.389	6.581	6.752	8.407
3	03:30:15	96%	0.090	2.738	0.000	268.200	15.100	13.620	11.680	9.081
x̄		94%	0.063	3.038	0.000	264.700	8.541	7.840	6.025	8.179
σ		2%	0.045	0.403	0.000	6.565	6.485	5.260	6.055	1.035
%RSD		2	70.910	13.250	0.000	2.480	75.930	67.100	100.500	12.660
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:58	0.758	-8.041	0.000	0.000	8.719	-6.754	-10.200	100%	0.235
2	03:29:06	0.870	-13.000	0.000	0.000	13.710	20.180	-9.557	99%	0.451
3	03:30:15	0.537	-8.004	0.000	0.000	10.460	14.450	-2.449	99%	0.065
x̄		0.721	-9.680	0.000	0.000	10.960	9.295	-7.401	99%	0.250
σ		0.169	2.872	0.000	0.000	2.532	14.190	4.300	0%	0.193
%RSD		23.450	29.660	0.000	0.000	23.100	152.700	58.100	0	77.200
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:58	-0.381	-0.050	21.790	-4.954	0.101	-8.482	-20.430	0.003	-0.092
2	03:29:06	0.315	0.074	20.560	-1.507	0.367	-5.438	-21.140	0.059	-0.056
3	03:30:15	0.398	0.103	20.610	0.774	0.553	-2.306	-18.210	0.115	-0.056
x̄		0.111	0.042	20.980	-1.896	0.340	-5.408	-19.920	0.059	-0.068
σ		0.428	0.081	0.695	2.883	0.227	3.088	1.528	0.056	0.021
%RSD		386.700	192.600	3.310	152.100	66.780	57.100	7.670	94.430	30.900
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:58	0.129	-0.025	-0.312	-0.067	0.078	0.169	1.694	0.077	0.012
2	03:29:06	0.318	0.119	-0.005	-0.254	-0.360	0.205	2.110	-0.358	2.292
3	03:30:15	0.314	0.234	-0.107	0.208	0.272	0.115	1.653	0.269	-0.025
x̄		0.254	0.109	-0.141	-0.038	-0.003	0.163	1.819	-0.004	0.759
σ		0.108	0.130	0.157	0.232	0.324	0.045	0.253	0.321	1.327
%RSD		42.730	118.700	110.800	616.400	9500.000	27.700	13.920	8243.000	174.800
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:58	0.174	0.292	0.212	0.231	0.227	0.008	105%	-3.006	0.026
2	03:29:06	0.207	0.211	0.229	0.270	0.204	0.000	105%	-1.525	0.090
3	03:30:15	0.237	0.247	0.193	0.258	0.259	0.000	106%	-2.961	0.115
x̄		0.206	0.250	0.211	0.253	0.230	0.003	105%	-2.497	0.077
σ		0.032	0.041	0.018	0.020	0.028	0.005	1%	0.842	0.046
%RSD		15.350	16.290	8.496	7.856	11.990	173.200	0	33.710	59.310
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:27:58	0.888	-3.020	0.024	-0.174	0.441	0.860	0.056	0.015	109%
2	03:29:06	0.345	-1.539	0.073	-0.101	0.384	0.578	0.338	0.258	109%
3	03:30:15	0.928	-2.973	0.094	-0.121	0.345	0.540	0.596	0.633	110%
x̄		0.720	-2.511	0.064	-0.132	0.390	0.659	0.330	0.302	109%
σ		0.325	0.842	0.036	0.038	0.049	0.175	0.270	0.312	0%
%RSD		45.160	33.540	56.990	28.810	12.470	26.540	81.960	103.100	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	03:27:58	108%	0.062	0.058	0.006	0.027	0.013	109%	0.026	
2	03:29:06	109%	0.100	0.093	0.054	0.056	0.057	110%	0.056	
3	03:30:15	109%	0.115	0.123	0.117	0.110	0.111	109%	0.111	
x̄		109%	0.092	0.092	0.059	0.064	0.060	109%	0.064	
σ		0%	0.027	0.033	0.056	0.042	0.049	1%	0.043	
%RSD		0	29.730	35.610	94.300	64.990	80.670	0	67.520	

Reviewed By/Date
11/22/2011 3:16:48 PM
Instrid: P8

C4463-02 MH3B85 11/18/2011 03:34:45 AM

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	03:35:53	100%	0.355	162.400	0.000	1155000.000	1185000.000	1138000.000	1103000.000	439.700
2	03:37:01	101%	0.346	163.000	0.000	1149000.000	1184000.000	1139000.000	1105000.000	439.700
3	03:38:09	103%	0.271	160.600	0.000	1154000.000	1189000.000	1142000.000	1114000.000	444.100
x		101%	0.324	162.000	0.000	1153000.000	1186000.000	1140000.000	1107000.000	441.100
σ		1%	0.046	1.255	0.000	3078.000	2540.000	2276.000	6038.000	2.541
%RSD		1	14.120	0.775	0.000	0.267	0.214	0.200	0.545	0.576

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:53	8536.000	4954.000	0.000	0.000	67720.000	57690.000	56650.000	107%	25.880
2	03:37:01	8508.000	4970.000	0.000	0.000	67180.000	57660.000	56460.000	108%	26.200
3	03:38:09	8660.000	4999.000	0.000	0.000	67910.000	57920.000	57810.000	106%	27.200
x		8568.000	4974.000	0.000	0.000	67600.000	57760.000	56980.000	107%	26.430
σ		80.720	22.440	0.000	0.000	376.600	142.600	732.500	1%	0.690
%RSD		0.942	0.451	0.000	0.000	0.557	0.247	1.286	1	2.612

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:53	8.689	8.756	48.780	2508.000	1178.000	2672.000	2606.000	1.082	13.840
2	03:37:01	8.749	9.087	54.250	2514.000	1174.000	2673.000	2642.000	1.025	14.550
3	03:38:09	9.159	9.248	57.110	2535.000	1190.000	2724.000	2650.000	1.160	14.710
x		8.866	9.030	53.380	2519.000	1181.000	2690.000	2633.000	1.089	14.370
σ		0.255	0.251	4.232	14.100	7.998	29.550	23.660	0.068	0.465
%RSD		2.880	2.779	7.928	0.560	0.677	1.099	0.899	6.231	3.240

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:53	6.739	5.627	8.235	27.130	1.551	0.643	2.103	1.551	1.487
2	03:37:01	6.880	5.819	7.715	26.910	0.596	0.791	2.340	0.596	4.658
3	03:38:09	6.368	6.391	8.987	27.240	-0.496	0.961	1.610	-0.495	4.952
x		6.662	5.946	8.312	27.090	0.550	0.798	2.017	0.551	3.699
σ		0.264	0.397	0.639	0.166	1.024	0.159	0.372	1.024	1.921
%RSD		3.967	6.682	7.689	0.614	186.100	19.950	18.440	185.900	51.930

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:53	81.290	0.756	7.803	0.787	0.734	0.000	103%	11.690	0.159
2	03:37:01	82.790	0.643	7.954	0.846	0.611	0.004	103%	10.980	0.151
3	03:38:09	86.190	0.564	8.066	0.594	0.731	0.004	104%	10.980	0.135
x		83.430	0.654	7.941	0.742	0.692	0.003	104%	11.220	0.148
σ		2.510	0.097	0.132	0.132	0.070	0.002	1%	0.408	0.012
%RSD		3.009	14.770	1.663	17.770	10.100	86.610	1	3.635	8.197

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:53	-3.453	11.640	0.084	0.577	0.119	0.330	1846.000	1846.000	113%
2	03:37:01	-2.576	10.940	0.086	0.383	0.116	0.270	1868.000	1866.000	114%
3	03:38:09	-3.097	10.940	0.075	0.522	0.105	0.198	1850.000	1862.000	114%
x		-3.042	11.170	0.082	0.494	0.113	0.266	1855.000	1858.000	114%
σ		0.441	0.407	0.006	0.100	0.008	0.066	11.570	10.510	0%
%RSD		14.510	3.640	7.350	20.190	6.784	24.860	0.624	0.566	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:35:53	114%	0.167	0.151	1.411	1.280	1.326	104%	2.394
2	03:37:01	114%	0.143	0.124	1.438	1.234	1.341	104%	2.330
3	03:38:09	115%	0.103	0.113	1.453	1.428	1.407	103%	2.376
x		114%	0.138	0.130	1.434	1.314	1.358	104%	2.367
σ		1%	0.032	0.020	0.021	0.101	0.043	1%	0.033
%RSD		0	23.420	15.150	1.487	7.716	3.170	1	1.395

Reviewed By jaswal 11/18/2011 1:19:18 PM
Inst-id -P6

C4463-03 MH3B86 11/18/2011 03:42:40 AM

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	03:43:48	93%	0.154	245.100	0.000	813600.000	165300.000	157800.000	153100.000	2378.000
2	03:44:56	96%	0.195	237.700	0.000	801100.000	163700.000	155600.000	152200.000	2351.000
3	03:46:04	95%	0.230	230.200	0.000	802200.000	164100.000	156800.000	152400.000	2345.000
x		95%	0.193	237.700	0.000	805600.000	164400.000	156700.000	152600.000	2358.000
σ		1%	0.038	7.448	0.000	6919.000	869.500	1139.000	477.300	17.640
%RSD		1	19.670	3.134	0.000	0.859	0.529	0.726	0.313	0.748

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:48	17480.000	2841.000	0.000	0.000	23710.000	258600.000	257500.000	98%	115.800
2	03:44:56	17410.000	2827.000	0.000	0.000	23260.000	254500.000	253400.000	100%	112.700
3	03:46:04	17410.000	2798.000	0.000	0.000	23260.000	251800.000	252700.000	100%	111.300
x		17430.000	2822.000	0.000	0.000	23410.000	255000.000	254500.000	99%	113.300
σ		43.400	21.980	0.000	0.000	257.900	3429.000	2621.000	1%	2.322
%RSD		0.249	0.779	0.000	0.000	1.102	1.345	1.030	1	2.050

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:48	13.140	18.470	131.500	4529.000	4684.000	4582.000	5145.000	2.284	16.370
2	03:44:56	12.740	18.750	135.400	4467.000	4605.000	4522.000	5085.000	2.381	16.380
3	03:46:04	11.410	18.310	140.800	4438.000	4594.000	4532.000	5049.000	2.144	15.930
x		12.430	18.510	135.900	4478.000	4628.000	4545.000	5093.000	2.270	16.220
σ		0.905	0.221	4.662	46.600	49.010	32.130	48.620	0.119	0.257
%RSD		7.279	1.196	3.430	1.040	1.059	0.707	0.955	5.255	1.585

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:48	19.960	18.770	76.820	20.790	-0.068	1.641	1.064	-0.068	4.776
2	03:44:56	19.060	18.150	80.920	20.030	-0.578	1.728	1.763	-0.578	7.131
3	03:46:04	19.570	19.780	79.250	18.870	1.098	1.983	0.852	1.099	3.312
x		19.530	18.900	79.000	19.890	0.151	1.784	1.226	0.151	5.073
σ		0.451	0.820	2.063	0.966	0.859	0.178	0.477	0.859	1.927
%RSD		2.309	4.337	2.611	4.855	570.600	9.950	38.880	569.600	37.980

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:48	27.720	1.364	3.424	1.368	1.334	0.013	97%	1.999	0.430
2	03:44:56	26.970	1.117	3.488	1.369	1.388	0.009	97%	3.003	0.388
3	03:46:04	26.570	1.236	3.287	1.336	1.224	0.013	97%	4.511	0.333
x		27.090	1.239	3.400	1.358	1.315	0.012	97%	3.171	0.384
σ		0.581	0.123	0.103	0.019	0.084	0.003	0%	1.264	0.048
%RSD		2.146	9.935	3.031	1.370	6.349	21.600	0	39.870	12.620

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:48	-0.087	1.969	0.380	0.970	1.297	0.648	1366.000	1349.000	106%
2	03:44:56	-0.267	2.970	0.346	1.009	1.043	0.498	1369.000	1362.000	106%
3	03:46:04	-1.209	4.472	0.369	1.075	1.167	0.658	1367.000	1364.000	107%
x		-0.521	3.137	0.365	1.018	1.169	0.602	1367.000	1358.000	107%
σ		0.603	1.260	0.018	0.053	0.127	0.089	1.238	8.119	1%
%RSD		115.600	40.150	4.832	5.215	10.840	14.870	0.091	0.598	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:43:48	107%	0.111	0.107	6.977	6.306	6.624	99%	2.763
2	03:44:56	106%	0.094	0.085	6.816	6.209	6.541	100%	2.717
3	03:46:04	106%	0.095	0.087	7.047	6.104	6.543	100%	2.774
x		107%	0.100	0.093	6.946	6.207	6.570	100%	2.751
σ		0%	0.010	0.012	0.119	0.101	0.047	1%	0.030
%RSD		0	9.744	13.070	1.706	1.622	0.720	1	1.101

Reviewed By Jaswal P On 11/22/2011 1:16:48 PM Inst:10 P6

C4463-04 MH3B87 11/18/2011 03:50:35 AM

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	03:51:43	91%	2.385	909.700	0.000	1827000.000	52090.000	51620.000	50440.000	7278.000
2	03:52:51	92%	2.255	896.900	0.000	1842000.000	52370.000	51910.000	50790.000	7401.000
3	03:53:59	93%	1.949	889.300	0.000	1834000.000	51970.000	51420.000	50280.000	7281.000
x		92%	2.196	898.700	0.000	1834000.000	52140.000	51650.000	50500.000	7320.000
σ		1%	0.224	10.320	0.000	7496.000	204.800	247.500	262.500	70.320
%RSD		1	10.210	1.148	0.000	0.409	0.393	0.479	0.520	0.961

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:51:43	20830.000	5196.000	0.000	0.000	46050.000	29180.000	29300.000	97%	146.000
2	03:52:51	21020.000	5250.000	0.000	0.000	46690.000	29890.000	29700.000	96%	149.400
3	03:53:59	20640.000	5103.000	0.000	0.000	45990.000	29260.000	29370.000	98%	147.100
x		20830.000	5183.000	0.000	0.000	46240.000	29440.000	29450.000	97%	147.500
σ		189.500	74.360	0.000	0.000	385.600	385.700	212.300	1%	1.715
%RSD		0.910	1.435	0.000	0.000	0.834	1.310	0.721	1	1.162

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:51:43	73.090	46.680	115.400	30550.000	1581.000	30810.000	30420.000	11.240	26.980
2	03:52:51	75.710	47.930	114.400	31050.000	1603.000	31110.000	30840.000	11.450	26.560
3	03:53:59	75.440	47.600	111.200	30680.000	1592.000	30870.000	30760.000	12.030	27.320
x		74.750	47.400	113.700	30760.000	1592.000	30930.000	30670.000	11.570	26.950
σ		1.441	0.650	2.171	259.100	10.890	161.100	223.000	0.409	0.382
%RSD		1.928	1.372	1.910	0.842	0.684	0.521	0.727	3.536	1.418

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:51:43	87.190	81.520	76.760	38.480	1.253	1.165	2.236	1.256	5.369
2	03:52:51	88.720	83.570	78.940	39.980	1.095	1.062	3.419	1.096	7.861
3	03:53:59	91.320	82.000	77.500	39.040	0.509	0.946	2.968	0.511	10.620
x		89.080	82.370	77.730	39.170	0.953	1.058	2.874	0.954	7.950
σ		2.092	1.072	1.108	0.757	0.392	0.110	0.597	0.393	2.626
%RSD		2.348	1.302	1.425	1.933	41.160	10.370	20.770	41.140	33.030

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:51:43	116.100	5.913	16.060	5.882	5.499	0.009	92%	15.620	0.337
2	03:52:51	118.500	6.093	16.080	5.680	5.828	0.032	93%	17.740	0.333
3	03:53:59	117.100	5.771	15.400	5.850	6.019	0.014	93%	15.600	0.396
x		117.200	5.926	15.850	5.804	5.782	0.018	92%	16.320	0.355
σ		1.232	0.161	0.385	0.108	0.263	0.012	0%	1.232	0.035
%RSD		1.051	2.724	2.427	1.866	4.543	66.020	0	7.550	9.967

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:51:43	-3.747	15.540	0.249	1.115	1.348	0.800	2159.000	2140.000	105%
2	03:52:51	-3.059	17.670	0.315	1.076	1.439	0.747	2165.000	2153.000	104%
3	03:53:59	-2.859	15.530	0.287	1.065	1.410	0.745	2151.000	2137.000	105%
x		-3.222	16.250	0.284	1.085	1.399	0.764	2158.000	2144.000	105%
σ		0.466	1.233	0.033	0.026	0.046	0.031	6.762	8.608	0%
%RSD		14.460	7.590	11.600	2.422	3.319	4.058	0.313	0.402	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:51:43	105%	0.102	0.110	37.820	33.660	35.590	98%	3.311
2	03:52:51	106%	0.105	0.099	38.550	34.160	36.180	97%	3.291
3	03:53:59	105%	0.073	0.091	38.190	33.900	35.920	97%	3.318
x		105%	0.093	0.100	38.190	33.910	35.900	97%	3.306
σ		0%	0.018	0.010	0.365	0.250	0.298	0%	0.014
%RSD		0	18.950	9.647	0.955	0.738	0.830	0	0.427

C4463-12 MH3B93 11/18/2011 03:58:30 AM

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	03:59:38	86%	0.215	365.500	0.000	509100.000	18060.000	17690.000	17330.000	256.400
2	04:00:46	88%	0.205	369.100	0.000	499400.000	17770.000	17430.000	16960.000	251.700
3	04:01:55	93%	0.122	334.500	0.000	485600.000	17330.000	16930.000	16440.000	245.100
x		89%	0.181	356.400	0.000	498000.000	17720.000	17350.000	16910.000	251.000
σ		4%	0.051	19.050	0.000	11840.000	370.100	384.000	448.800	5.691
%RSD		4	28.030	5.346	0.000	2.377	2.089	2.213	2.654	2.267

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:59:38	10700.000	707.800	0.000	0.000	16410.000	56410.000	56480.000	92%	59.160
2	04:00:46	10640.000	699.200	0.000	0.000	16190.000	55870.000	56060.000	93%	54.170
3	04:01:55	10480.000	694.500	0.000	0.000	16230.000	56180.000	56360.000	92%	57.440
x		10600.000	700.500	0.000	0.000	16280.000	56150.000	56300.000	92%	56.920
σ		114.800	6.729	0.000	0.000	118.300	271.200	216.800	1%	2.532
%RSD		1.082	0.961	0.000	0.000	0.727	0.483	0.385	1	4.448

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:59:38	26.940	4.008	198.500	4001.000	3305.000	4007.000	4057.000	0.569	5.271
2	04:00:46	29.230	4.237	200.500	3899.000	3278.000	3981.000	4016.000	0.572	5.508
3	04:01:55	29.210	4.233	200.300	3951.000	3311.000	4007.000	3990.000	0.532	5.574
x		28.460	4.159	199.800	3950.000	3298.000	3999.000	4021.000	0.558	5.451
σ		1.315	0.131	1.116	50.970	17.700	14.910	34.130	0.022	0.159
%RSD		4.619	3.157	0.559	1.290	0.537	0.373	0.849	3.944	2.925

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:59:38	6.265	5.270	13.290	40.800	-0.339	1.688	1.551	-0.338	5.992
2	04:00:46	6.359	5.371	13.750	41.160	-0.389	1.669	1.648	-0.388	6.868
3	04:01:55	6.411	5.814	14.170	40.720	0.146	1.718	2.146	0.145	2.555
x		6.345	5.485	13.740	40.900	-0.194	1.692	1.781	-0.194	5.138
σ		0.074	0.290	0.442	0.233	0.295	0.024	0.319	0.294	2.280
%RSD		1.169	5.279	3.220	0.570	152.100	1.440	17.920	151.900	44.370

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:59:38	26.450	0.735	3.098	0.829	0.688	0.018	92%	1.393	0.100
2	04:00:46	26.930	0.622	2.950	0.906	0.683	0.009	94%	2.268	0.072
3	04:01:55	27.650	0.717	3.168	0.871	0.761	0.014	94%	1.674	0.083
x		27.010	0.691	3.072	0.868	0.711	0.014	93%	1.778	0.085
σ		0.603	0.061	0.111	0.038	0.044	0.005	1%	0.447	0.014
%RSD		2.234	8.822	3.619	4.431	6.168	34.020	1	25.110	16.820

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:59:38	0.249	1.363	0.043	-0.080	0.408	1.400	144.400	145.200	101%
2	04:00:46	-0.848	2.237	0.042	0.104	0.394	1.424	142.500	142.200	103%
3	04:01:55	-0.036	1.644	0.074	-0.047	0.382	1.489	141.300	142.900	103%
x		-0.212	1.748	0.053	-0.008	0.395	1.438	142.700	143.400	103%
σ		0.569	0.446	0.018	0.098	0.013	0.046	1.549	1.586	1%
%RSD		268.700	25.510	34.170	1308.000	3.252	3.181	1.085	1.106	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:59:38	102%	0.001	0.008	1.983	1.737	1.865	97%	1.991
2	04:00:46	103%	0.002	0.008	1.913	1.761	1.846	97%	2.056
3	04:01:55	102%	-0.013	0.005	2.015	1.836	1.876	98%	1.970
x		103%	-0.003	0.007	1.970	1.778	1.862	98%	2.006
σ		1%	0.009	0.002	0.052	0.052	0.015	0%	0.045
%RSD		1	249.800	21.690	2.642	2.916	0.822	0	2.249

C4463-06 MH3B89 11/18/2011 04:05:27 AM

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	04:07:35	88%	0.605	314.200	0.000	789500.000	29230.000	28730.000	28170.000	789.500
2	04:08:43	87%	0.574	342.500	0.000	793800.000	29460.000	28670.000	28280.000	791.700
3	04:09:51	87%	0.344	322.000	0.000	806600.000	30030.000	29500.000	28770.000	804.800
x		87%	0.508	326.200	0.000	796600.000	29570.000	28970.000	28410.000	795.300
σ		0%	0.143	14.610	0.000	8920.000	410.900	463.500	320.800	8.260
%RSD		0	28.090	4.479	0.000	1.120	1.390	1.600	1.129	1.039
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:07:35	12800.000	2187.000	0.000	0.000	20140.000	78500.000	77020.000	92%	452.500
2	04:08:43	12850.000	2188.000	0.000	0.000	20200.000	77880.000	77130.000	93%	461.800
3	04:09:51	13010.000	2192.000	0.000	0.000	20550.000	79270.000	78560.000	93%	461.300
x		12890.000	2189.000	0.000	0.000	20300.000	78550.000	77570.000	93%	458.500
σ		109.700	2.698	0.000	0.000	222.800	696.700	859.700	1%	5.204
%RSD		0.851	0.123	0.000	0.000	1.098	0.887	1.108	1	1.135
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:07:35	148.600	32.250	198.700	6070.000	4579.000	6141.000	6194.000	1.750	18.630
2	04:08:43	150.600	32.150	198.400	6022.000	4545.000	6114.000	6117.000	1.668	18.510
3	04:09:51	152.900	32.880	200.400	6200.000	4658.000	6254.000	6172.000	1.734	18.510
x		150.700	32.430	199.200	6097.000	4594.000	6170.000	6161.000	1.718	18.550
σ		2.131	0.396	1.045	92.080	57.730	74.360	39.690	0.043	0.067
%RSD		1.414	1.220	0.525	1.510	1.257	1.205	0.644	2.517	0.359
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:07:35	7.985	6.470	9.463	98.520	0.863	1.623	1.307	0.862	5.896
2	04:08:43	7.593	6.802	9.883	99.180	1.334	1.351	1.689	1.332	6.355
3	04:09:51	8.392	6.434	10.020	99.410	0.742	1.767	1.789	0.740	3.452
x		7.990	6.569	9.788	99.040	0.979	1.580	1.595	0.978	5.234
σ		0.400	0.203	0.289	0.466	0.313	0.211	0.254	0.313	1.560
%RSD		5.002	3.092	2.956	0.471	31.950	13.370	15.950	31.950	29.810
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:07:35	98.310	2.243	10.630	2.617	2.005	0.014	90%	11.510	0.094
2	04:08:43	96.600	2.061	10.560	2.280	2.213	0.005	92%	11.940	0.108
3	04:09:51	99.090	2.017	10.290	2.255	1.991	0.023	92%	14.400	0.112
x		98.000	2.107	10.490	2.384	2.070	0.014	91%	12.620	0.105
σ		1.274	0.120	0.178	0.202	0.124	0.009	1%	1.559	0.010
%RSD		1.300	5.675	1.701	8.480	6.003	66.200	1	12.360	9.081
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:07:35	-2.754	11.460	0.080	0.364	1.295	4.456	127.800	127.900	102%
2	04:08:43	-2.229	11.880	0.083	0.294	1.505	4.450	127.100	128.700	102%
3	04:09:51	-3.481	14.340	0.073	0.522	1.395	4.485	132.000	130.300	103%
x		-2.822	12.560	0.079	0.394	1.398	4.464	129.000	129.000	102%
σ		0.628	1.559	0.005	0.117	0.105	0.018	2.675	1.211	1%
%RSD		22.270	12.410	6.164	29.650	7.532	0.414	2.074	0.939	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	04:07:35	102%	-0.001	0.005	2.701	2.419	2.487	96%	6.231	
2	04:08:43	104%	-0.004	-0.007	2.671	2.325	2.496	97%	6.180	
3	04:09:51	102%	-0.011	0.005	2.682	2.426	2.543	96%	6.320	
x		103%	-0.005	0.001	2.685	2.390	2.509	97%	6.244	
σ		1%	0.005	0.007	0.015	0.056	0.030	1%	0.071	
%RSD		1	94.320	724.300	0.569	2.343	1.195	1	1.135	

Reviewed By:aswa
On:11/22/2011 1:18:48 PM
Instid:P6

C4463-02X25 MH3B85 11/18/2011 04:14:23 AM

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	04:15:31	101%	0.051	15.220	0.000	46660.000	49040.000	48810.000	46130.000	21.320
2	04:16:39	101%	0.017	13.050	0.000	46750.000	48800.000	48510.000	45750.000	19.190
3	04:17:47	103%	-0.055	11.020	0.000	46510.000	48630.000	48090.000	45690.000	20.730
x		102%	0.004	13.100	0.000	46640.000	48820.000	48470.000	45860.000	20.410
σ		1%	0.054	2.105	0.000	122.800	204.600	358.800	241.000	1.095
%RSD		1	1264.000	16.070	0.000	0.263	0.419	0.740	0.525	5.364
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:31	362.200	198.800	0.000	0.000	2846.000	2399.000	2354.000	105%	1.288
2	04:16:39	350.800	187.300	0.000	0.000	2786.000	2233.000	2303.000	109%	0.922
3	04:17:47	349.500	188.500	0.000	0.000	2839.000	2367.000	2356.000	107%	1.269
x		354.200	191.500	0.000	0.000	2824.000	2333.000	2338.000	107%	1.160
σ		7.010	6.289	0.000	0.000	32.480	87.970	30.090	2%	0.207
%RSD		1.979	3.283	0.000	0.000	1.150	3.770	1.287	2	17.810
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:31	0.379	0.499	57.320	106.600	50.040	126.700	91.710	0.024	0.610
2	04:16:39	0.340	0.575	50.980	106.800	49.470	128.500	85.910	0.025	0.569
3	04:17:47	0.410	0.551	49.050	109.400	49.870	131.900	94.290	0.024	0.519
x		0.376	0.542	52.450	107.600	49.790	129.000	90.640	0.024	0.566
σ		0.035	0.039	4.326	1.563	0.290	2.651	4.293	0.001	0.045
%RSD		9.375	7.141	8.248	1.453	0.582	2.055	4.736	2.632	8.011
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:31	0.217	0.346	0.255	0.994	0.163	0.384	2.165	0.161	2.876
2	04:16:39	0.211	0.303	0.383	1.093	-0.295	0.354	1.295	-0.294	2.675
3	04:17:47	0.249	0.279	0.235	1.632	0.068	0.222	1.591	0.067	2.304
x		0.226	0.309	0.291	1.240	-0.022	0.320	1.684	-0.022	2.618
σ		0.021	0.034	0.080	0.344	0.242	0.086	0.442	0.240	0.290
%RSD		9.131	10.930	27.650	27.710	1124.000	26.860	26.250	1092.000	11.090
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:31	2.961	0.033	0.270	0.069	0.020	0.000	111%	-3.211	0.009
2	04:16:39	2.732	0.015	0.230	0.133	0.038	0.011	111%	-1.424	0.003
3	04:17:47	3.007	-0.003	0.254	0.013	0.030	0.008	113%	-2.467	0.014
x		2.900	0.015	0.251	0.072	0.029	0.006	111%	-2.367	0.009
σ		0.148	0.018	0.020	0.060	0.009	0.006	1%	0.898	0.005
%RSD		5.085	122.900	7.994	84.320	30.360	91.970	1	37.920	63.140
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:15:31	0.976	-3.223	-0.002	-0.223	-0.053	-0.058	71.400	72.730	114%
2	04:16:39	0.349	-1.437	-0.010	-0.161	-0.039	-0.037	71.630	73.600	115%
3	04:17:47	0.698	-2.479	-0.000	-0.190	-0.040	-0.022	71.880	72.240	116%
x		0.674	-2.379	-0.004	-0.192	-0.044	-0.039	71.640	72.860	115%
σ		0.314	0.897	0.005	0.031	0.008	0.018	0.236	0.687	1%
%RSD		46.610	37.700	133.200	16.180	18.380	46.000	0.330	0.943	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	04:15:31	114%	-0.015	-0.012	0.047	0.051	0.044	111%	0.070	
2	04:16:39	115%	-0.012	-0.009	0.071	0.077	0.054	111%	0.083	
3	04:17:47	115%	-0.009	-0.006	0.036	0.044	0.037	112%	0.081	
x		114%	-0.012	-0.009	0.051	0.057	0.045	111%	0.078	
σ		1%	0.003	0.003	0.018	0.018	0.009	1%	0.007	
%RSD		1	24.650	31.550	35.200	30.850	19.250	1	9.398	

C4463-03X25 MH3B86 11/18/2011 04:22:19 AM

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	04:23:27	95%	0.092	10.120	0.000	32740.000	6871.000	6651.000	6531.000	99.460
2	04:24:35	94%	0.079	14.490	0.000	33040.000	6930.000	6732.000	6597.000	100.300
3	04:25:43	95%	-0.032	14.580	0.000	32690.000	6854.000	6642.000	6480.000	102.000
x		95%	0.046	13.060	0.000	32820.000	6885.000	6675.000	6536.000	100.600
σ		1%	0.068	2.549	0.000	192.300	39.600	49.610	58.370	1.301
%RSD		1	146.200	19.510	0.000	0.586	0.575	0.743	0.893	1.293
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:27	692.900	103.900	0.000	0.000	1001.000	10240.000	10270.000	101%	5.041
2	04:24:35	713.700	108.100	0.000	0.000	1008.000	10300.000	10310.000	100%	4.925
3	04:25:43	699.100	106.900	0.000	0.000	993.000	10170.000	10310.000	100%	5.093
x		701.900	106.300	0.000	0.000	1001.000	10240.000	10300.000	100%	5.019
σ		10.670	2.150	0.000	0.000	7.441	65.140	23.100	0%	0.086
%RSD		1.520	2.023	0.000	0.000	0.744	0.636	0.224	0	1.708
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:27	0.416	0.913	51.930	188.100	190.900	198.800	186.000	0.077	0.554
2	04:24:35	-0.270	0.931	54.040	180.000	193.100	198.700	193.800	0.099	0.368
3	04:25:43	0.345	0.822	53.150	185.100	189.600	196.300	181.900	0.063	0.614
x		0.164	0.889	53.040	184.400	191.200	197.900	187.200	0.080	0.512
σ		0.378	0.058	1.058	4.098	1.743	1.399	6.069	0.018	0.128
%RSD		230.500	6.559	1.994	2.222	0.912	0.707	3.241	22.860	25.020
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:27	0.722	0.943	3.601	0.619	1.097	0.406	1.548	1.090	-2.924
2	04:24:35	0.781	0.878	3.136	0.833	0.225	0.346	0.828	0.224	2.054
3	04:25:43	0.810	0.829	3.424	0.879	-0.458	0.410	1.766	-0.456	2.664
x		0.771	0.883	3.387	0.777	0.288	0.387	1.380	0.286	0.598
σ		0.045	0.057	0.234	0.139	0.780	0.036	0.491	0.775	3.065
%RSD		5.778	6.468	6.918	17.890	270.800	9.194	35.570	270.900	512.400
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:27	1.161	0.075	0.126	0.045	0.057	0.012	104%	-1.373	0.021
2	04:24:35	1.173	0.019	0.145	0.115	0.069	0.000	103%	-0.686	0.025
3	04:25:43	1.066	0.050	0.086	0.055	0.015	0.000	104%	-1.958	0.005
x		1.133	0.048	0.119	0.072	0.047	0.004	104%	-1.339	0.017
σ		0.058	0.028	0.030	0.038	0.028	0.007	1%	0.637	0.011
%RSD		5.160	57.610	25.440	52.980	59.850	173.200	1	47.540	64.600
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:23:27	0.157	-1.391	0.009	-0.081	-0.018	-0.015	52.840	52.860	110%
2	04:24:35	-0.152	-0.701	0.012	-0.042	-0.058	-0.043	54.090	53.970	108%
3	04:25:43	0.480	-1.972	0.007	-0.155	-0.030	-0.056	53.610	53.360	109%
x		0.161	-1.355	0.010	-0.093	-0.036	-0.038	53.510	53.400	109%
σ		0.316	0.636	0.002	0.058	0.020	0.021	0.632	0.558	1%
%RSD		196.000	46.970	22.770	62.070	57.320	55.020	1.181	1.044	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	04:23:27	110%	-0.001	0.000	0.233	0.257	0.231	108%	0.089	
2	04:24:35	108%	-0.015	-0.013	0.260	0.226	0.236	107%	0.083	
3	04:25:43	109%	0.003	-0.008	0.268	0.213	0.243	107%	0.087	
x		109%	-0.004	-0.007	0.254	0.232	0.236	107%	0.086	
σ		1%	0.009	0.007	0.018	0.022	0.006	0%	0.003	
%RSD		1	216.000	95.760	7.205	9.643	2.507	0	3.354	

C4463-04X25 MH3B87 11/18/2011 04:30:16 AM

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	04:31:24	90%	0.299	37.450	0.000	78220.000	2235.000	2157.000	2117.000	314.100
2	04:32:32	91%	0.164	37.650	0.000	75090.000	2131.000	2063.000	2019.000	295.300
3	04:33:40	92%	0.128	44.020	0.000	76920.000	2198.000	2156.000	2081.000	305.400
x		91%	0.197	39.700	0.000	76740.000	2188.000	2125.000	2072.000	304.900
σ		1%	0.090	3.738	0.000	1568.000	52.450	53.730	49.340	9.417
%RSD		1	45.940	9.414	0.000	2.043	2.397	2.528	2.381	3.088

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:31:24	845.200	215.800	0.000	0.000	2033.000	1220.000	1223.000	95%	6.795
2	04:32:32	805.100	194.500	0.000	0.000	1935.000	1268.000	1163.000	96%	4.983
3	04:33:40	840.700	209.600	0.000	0.000	2034.000	1201.000	1238.000	93%	6.623
x		830.300	206.600	0.000	0.000	2001.000	1230.000	1208.000	95%	6.134
σ		21.970	11.000	0.000	0.000	56.670	34.230	39.330	2%	1.000
%RSD		2.646	5.322	0.000	0.000	2.833	2.784	3.255	2	16.310

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:31:24	2.323	1.836	49.280	1314.000	67.560	1369.000	1265.000	0.495	0.886
2	04:32:32	1.412	1.822	50.530	1235.000	64.120	1309.000	1207.000	0.417	0.906
3	04:33:40	3.202	2.103	49.070	1307.000	67.250	1384.000	1267.000	0.460	0.846
x		2.312	1.920	49.630	1285.000	66.310	1354.000	1246.000	0.457	0.879
σ		0.895	0.159	0.786	43.760	1.902	39.900	34.080	0.039	0.031
%RSD		38.710	8.252	1.583	3.405	2.868	2.947	2.735	8.503	3.504

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:31:24	3.763	3.435	3.383	2.203	0.188	0.268	1.951	0.186	0.920
2	04:32:32	3.515	3.496	2.775	1.100	-0.270	0.419	1.571	-0.269	3.798
3	04:33:40	3.472	3.535	3.503	1.356	0.451	0.456	1.119	0.447	-2.411
x		3.583	3.489	3.220	1.553	0.123	0.381	1.547	0.121	0.769
σ		0.157	0.050	0.390	0.577	0.365	0.099	0.417	0.362	3.107
%RSD		4.391	1.446	12.120	37.180	297.300	26.070	26.920	298.300	404.200

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:31:24	4.031	0.265	0.505	0.287	0.261	0.004	99%	-1.509	-0.007
2	04:32:32	4.388	0.202	0.503	0.251	0.233	0.004	101%	-2.985	0.007
3	04:33:40	4.357	0.254	0.669	0.174	0.211	0.004	99%	-2.956	0.002
x		4.259	0.241	0.559	0.237	0.235	0.004	100%	-2.483	0.001
σ		0.198	0.034	0.095	0.057	0.025	0.000	1%	0.844	0.007
%RSD		4.638	14.010	17.030	24.220	10.700	1.180	1	33.990	1113.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:31:24	0.220	-1.525	0.006	-0.088	-0.029	0.013	86.330	86.340	104%
2	04:32:32	0.947	-3.004	-0.002	-0.226	0.017	-0.048	82.630	83.100	107%
3	04:33:40	1.002	-2.974	0.004	-0.242	0.011	-0.045	83.760	86.790	104%
x		0.723	-2.501	0.003	-0.185	-0.000	-0.027	84.240	85.410	105%
σ		0.436	0.845	0.005	0.085	0.025	0.035	1.896	2.016	2%
%RSD		60.350	33.790	164.800	45.850	5437.000	129.900	2.250	2.360	2

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:31:24	105%	-0.008	0.001	1.462	1.320	1.388	103%	0.121
2	04:32:32	106%	-0.010	-0.004	1.427	1.248	1.311	105%	0.104
3	04:33:40	103%	-0.007	-0.003	1.453	1.303	1.362	102%	0.102
x		105%	-0.008	-0.002	1.447	1.290	1.353	103%	0.109
σ		1%	0.001	0.002	0.018	0.038	0.039	1%	0.010
%RSD		1	16.600	117.900	1.259	2.932	2.901	1	9.624

C4463-12X25 MH3B93 11/18/2011 04:38:13 AM

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	04:39:21	87%	0.072	12.190	0.000	20820.000	758.500	728.700	721.400	18.880
2	04:40:29	90%	0.119	13.580	0.000	20530.000	750.100	725.300	729.400	19.580
3	04:41:37	90%	0.153	15.890	0.000	20460.000	742.700	722.900	700.900	18.290
x		89%	0.115	13.890	0.000	20600.000	750.500	725.600	717.200	18.920
σ		1%	0.041	1.867	0.000	192.200	7.888	2.913	14.690	0.645
%RSD		2	35.370	13.440	0.000	0.933	1.051	0.402	2.048	3.412
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:39:21	423.400	26.900	0.000	0.000	726.100	2361.000	2256.000	94%	2.463
2	04:40:29	435.200	19.720	0.000	0.000	723.500	2310.000	2320.000	93%	2.221
3	04:41:37	424.700	22.350	0.000	0.000	724.000	2307.000	2313.000	93%	2.032
x		427.800	22.990	0.000	0.000	724.500	2326.000	2296.000	93%	2.239
σ		6.441	3.633	0.000	0.000	1.373	30.060	34.670	0%	0.216
%RSD		1.506	15.800	0.000	0.000	0.190	1.292	1.510	0	9.660
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:39:21	0.287	0.223	49.060	158.500	135.900	165.300	147.800	0.032	0.119
2	04:40:29	1.480	0.250	47.000	166.500	136.800	170.400	156.100	0.016	0.253
3	04:41:37	1.349	0.242	46.750	163.900	139.300	168.500	147.200	0.030	0.178
x		1.039	0.238	47.600	163.000	137.300	168.100	150.400	0.026	0.183
σ		0.654	0.014	1.267	4.099	1.783	2.597	4.989	0.009	0.067
%RSD		62.960	5.830	2.661	2.516	1.299	1.545	3.317	33.850	36.460
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:39:21	0.319	0.332	0.250	1.573	-0.844	0.379	1.458	-0.838	4.132
2	04:40:29	0.311	0.159	0.657	2.079	-0.017	0.280	1.472	-0.017	3.829
3	04:41:37	0.415	0.282	0.614	1.896	-0.172	0.314	0.782	-0.171	3.144
x		0.348	0.258	0.507	1.850	-0.344	0.325	1.238	-0.342	3.702
σ		0.058	0.089	0.223	0.256	0.440	0.050	0.394	0.436	0.506
%RSD		16.630	34.610	44.080	13.840	127.700	15.510	31.860	127.600	13.670
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:39:21	1.143	0.016	0.117	0.038	0.006	0.013	99%	-2.654	-0.009
2	04:40:29	1.017	0.003	0.123	0.070	0.050	0.009	99%	-1.904	-0.001
3	04:41:37	1.181	0.003	0.197	0.091	-0.002	0.004	99%	-2.957	-0.015
x		1.114	0.008	0.146	0.066	0.018	0.009	99%	-2.505	-0.008
σ		0.086	0.008	0.045	0.026	0.028	0.004	0%	0.542	0.007
%RSD		7.695	100.300	30.590	39.700	157.000	49.890	0	21.650	89.240
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:39:21	0.800	-2.670	-0.004	-0.221	-0.065	-0.004	4.663	5.756	104%
2	04:40:29	0.332	-1.920	-0.013	-0.141	-0.068	-0.025	5.605	5.911	104%
3	04:41:37	0.806	-2.973	-0.013	-0.213	-0.058	-0.014	6.295	5.361	104%
x		0.646	-2.521	-0.010	-0.191	-0.064	-0.014	5.521	5.676	104%
σ		0.272	0.542	0.005	0.044	0.005	0.011	0.820	0.284	0%
%RSD		42.050	21.520	49.710	22.950	7.955	74.500	14.840	4.995	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	04:39:21	104%	-0.005	-0.014	0.079	0.042	0.052	104%	0.056	
2	04:40:29	104%	-0.007	-0.007	0.082	0.048	0.068	104%	0.066	
3	04:41:37	104%	-0.006	-0.009	0.037	0.066	0.051	103%	0.062	
x		104%	-0.006	-0.010	0.066	0.052	0.057	104%	0.061	
σ		0%	0.001	0.004	0.025	0.013	0.009	0%	0.005	
%RSD		0	17.750	36.170	38.360	24.310	16.590	0	8.719	

Reviewed By jasmal
On 11/22/2011 1:16:48
PM
Inst Id: R8

C4463-06X25 MH3B89 11/18/2011 04:46:11 AM

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	04:47:19	90%	-0.031	12.880	0.000	32380.000	1244.000	1207.000	1195.000	40.160
2	04:48:27	87%	0.035	13.590	0.000	33120.000	1256.000	1212.000	1191.000	41.190
3	04:49:35	89%	0.235	15.420	0.000	31940.000	1228.000	1177.000	1163.000	39.060
x		89%	0.080	13.960	0.000	32480.000	1243.000	1199.000	1183.000	40.140
σ		1%	0.138	1.309	0.000	593.300	13.850	18.880	17.160	1.063
%RSD		1	173.700	9.377	0.000	1.826	1.115	1.575	1.451	2.649
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:47:19	507.100	85.150	0.000	0.000	888.200	3227.000	3184.000	94%	17.880
2	04:48:27	516.400	84.890	0.000	0.000	892.200	3199.000	3142.000	94%	20.120
3	04:49:35	495.000	87.420	0.000	0.000	861.200	3042.000	3068.000	95%	16.390
x		506.200	85.820	0.000	0.000	880.500	3156.000	3131.000	94%	18.130
σ		10.720	1.390	0.000	0.000	16.890	99.250	58.880	1%	1.877
%RSD		2.117	1.620	0.000	0.000	1.918	3.145	1.880	1	10.350
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:47:19	6.926	1.281	42.430	252.200	191.500	259.900	226.700	0.071	0.509
2	04:48:27	6.061	1.409	43.600	249.000	192.500	260.400	227.200	0.056	0.787
3	04:49:35	6.115	1.374	42.570	241.600	185.300	248.800	220.500	0.077	0.639
x		6.367	1.355	42.870	247.600	189.800	256.400	224.800	0.068	0.645
σ		0.485	0.066	0.639	5.435	3.896	6.561	3.713	0.010	0.139
%RSD		7.617	4.891	1.490	2.195	2.053	2.559	1.651	15.350	21.560
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:47:19	0.363	0.180	0.413	3.556	0.346	0.359	1.613	0.343	-1.050
2	04:48:27	0.308	0.265	0.360	4.293	-0.172	0.243	1.533	-0.171	1.096
3	04:49:35	0.363	0.406	0.183	3.062	0.746	0.394	1.067	0.741	0.849
x		0.345	0.284	0.319	3.637	0.307	0.332	1.404	0.304	0.298
σ		0.032	0.114	0.121	0.620	0.460	0.079	0.295	0.457	1.174
%RSD		9.149	40.210	37.780	17.030	150.100	23.760	21.010	150.300	393.800
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:47:19	3.996	0.043	0.514	0.080	0.074	0.000	99%	-3.290	0.002
2	04:48:27	3.741	0.024	0.402	0.113	0.091	0.009	98%	-2.047	-0.000
3	04:49:35	3.823	0.035	0.416	0.130	0.116	0.013	100%	-1.175	-0.005
x		3.853	0.034	0.444	0.108	0.094	0.007	99%	-2.171	-0.001
σ		0.130	0.010	0.061	0.025	0.021	0.006	1%	1.063	0.003
%RSD		3.370	28.520	13.740	23.540	22.540	91.090	1	48.980	261.100
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:47:19	1.216	-3.306	-0.002	-0.256	-0.042	0.120	5.003	5.134	104%
2	04:48:27	0.529	-2.064	-0.006	-0.180	-0.015	0.122	4.959	5.242	104%
3	04:49:35	0.070	-1.192	-0.002	-0.093	-0.034	0.072	5.297	4.641	106%
x		0.605	-2.188	-0.004	-0.176	-0.030	0.104	5.086	5.006	105%
σ		0.577	1.062	0.002	0.082	0.014	0.028	0.183	0.320	1%
%RSD		95.330	48.570	66.020	46.450	46.370	27.270	3.607	6.401	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	04:47:19	104%	-0.011	-0.001	0.068	0.074	0.076	104%	0.225	
2	04:48:27	104%	-0.014	-0.005	0.066	0.085	0.080	103%	0.217	
3	04:49:35	106%	-0.011	-0.000	0.073	0.099	0.087	105%	0.228	
x		105%	-0.012	-0.002	0.069	0.086	0.081	104%	0.223	
σ		1%	0.002	0.003	0.004	0.012	0.006	1%	0.005	
%RSD		1	15.300	111.500	5.452	14.380	7.066	1	2.358	

Reviewed By:aswal
On:11/22/2011 1:04:5
PM
Instrument:P6

CCV55 11/18/2011 04:54:07 AM

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	04:55:15	86%	499.200	507.100	0.000	53600.000	51540.000	50710.000	49560.000	9627.000
2	04:56:23	86%	501.000	510.300	0.000	53680.000	51410.000	50940.000	49900.000	9687.000
3	04:57:31	86%	506.100	487.900	0.000	54240.000	51800.000	51190.000	50250.000	9750.000
x		86%	502.100	501.800	0.000	53840.000	51580.000	50950.000	49910.000	9688.000
σ		0%	3.546	12.080	0.000	345.500	200.100	242.700	341.400	61.500
%RSD		0	0.706	2.407	0.000	0.642	0.388	0.476	0.684	0.635
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:55:15	462.900	9658.000	0.000	0.000	25500.000	51170.000	50770.000	91%	500.000
2	04:56:23	466.800	9745.000	0.000	0.000	25430.000	50760.000	49960.000	92%	504.300
3	04:57:31	462.700	9825.000	0.000	0.000	25930.000	52030.000	51520.000	91%	502.700
x		464.200	9743.000	0.000	0.000	25620.000	51320.000	50750.000	91%	502.300
σ		2.333	83.370	0.000	0.000	272.800	644.000	778.100	1%	2.210
%RSD		0.503	0.856	0.000	0.000	1.065	1.255	1.533	1	0.440
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:55:15	490.100	496.200	38.170	25150.000	1022.000	25560.000	25100.000	489.200	485.200
2	04:56:23	490.600	490.400	35.940	25040.000	1009.000	25170.000	24780.000	482.900	477.400
3	04:57:31	496.500	499.900	35.920	25730.000	1036.000	25930.000	25470.000	493.800	491.000
x		492.400	495.500	36.680	25300.000	1022.000	25550.000	25120.000	488.600	484.500
σ		3.533	4.790	1.292	369.400	13.270	384.000	343.600	5.458	6.825
%RSD		0.717	0.967	3.523	1.460	1.298	1.503	1.368	1.117	1.409
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:55:15	980.600	974.700	1032.000	504.500	496.600	-0.909	496.500	493.200	2.798
2	04:56:23	967.400	962.400	1025.000	492.800	493.700	-0.089	494.200	490.600	2.411
3	04:57:31	990.400	990.900	1055.000	509.600	494.000	-0.472	500.100	490.800	0.776
x		979.500	976.000	1037.000	502.300	494.800	-0.490	496.900	491.500	1.995
σ		11.510	14.300	15.550	8.604	1.571	0.410	2.978	1.482	1.073
%RSD		1.175	1.465	1.499	1.713	0.318	83.780	0.599	0.302	53.810
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:55:15	497.000	496.500	499.300	496.700	496.100	0.013	96%	509.200	503.100
2	04:56:23	486.900	496.500	486.800	491.600	492.600	0.013	96%	501.300	499.300
3	04:57:31	498.500	505.500	503.500	506.200	504.400	0.004	95%	516.300	507.600
x		494.100	499.500	496.600	498.200	497.700	0.010	96%	508.900	503.300
σ		6.342	5.184	8.697	7.404	6.057	0.005	1%	7.469	4.180
%RSD		1.284	1.038	1.751	1.486	1.217	49.130	1	1.468	0.831
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:55:15	7.026	508.900	501.700	512.000	507.700	513.000	2496.000	2501.000	103%
2	04:56:23	13.410	500.900	504.700	503.400	507.300	516.200	2480.000	2469.000	104%
3	04:57:31	9.649	515.900	508.500	516.500	517.700	518.000	2535.000	2517.000	102%
x		10.030	508.600	505.000	510.600	510.900	515.700	2503.000	2496.000	103%
σ		3.211	7.501	3.372	6.652	5.918	2.510	28.360	24.680	1%
%RSD		32.010	1.475	0.668	1.303	1.158	0.487	1.133	0.989	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	04:55:15	103%	496.900	504.400	501.900	503.900	502.900	101%	501.800	
2	04:56:23	104%	494.800	501.300	497.900	498.000	499.000	101%	498.100	
3	04:57:31	103%	504.900	506.700	505.400	501.000	501.600	101%	499.500	
x		103%	498.900	504.100	501.700	500.900	501.200	101%	499.800	
σ		0%	5.331	2.715	3.773	2.947	2.009	0%	1.877	
%RSD		0	1.069	0.538	0.752	0.588	0.401	0	0.376	

Reviewed By jaswal
On 11/22/2011 1:16:48
PM
Instrument P6

CCB55 11/18/2011 05:02:01 AM

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	05:03:09	87%	0.170	8.751	0.000	354.700	28.110	24.970	21.840	12.180
2	05:04:17	89%	0.216	7.870	0.000	342.400	23.690	22.460	22.310	10.890
3	05:05:25	90%	0.171	4.688	0.000	323.400	15.050	14.740	13.180	9.760
x		89%	0.186	7.103	0.000	340.100	22.280	20.720	19.110	10.940
σ		2%	0.026	2.137	0.000	15.780	6.646	5.334	5.141	1.210
%RSD		2	14.240	30.090	0.000	4.640	29.830	25.740	26.910	11.060

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:03:09	0.984	-0.811	0.000	0.000	44.360	5.103	9.296	93%	0.341
2	05:04:17	0.534	-5.943	0.000	0.000	41.100	17.080	3.502	94%	-0.111
3	05:05:25	2.192	-11.770	0.000	0.000	27.080	-1.307	-7.765	94%	0.369
x		1.237	-6.176	0.000	0.000	37.510	6.959	1.678	94%	0.200
σ		0.858	5.485	0.000	0.000	9.183	9.333	8.676	0%	0.269
%RSD		69.360	88.810	0.000	0.000	24.480	134.100	517.200	0	134.800

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:03:09	-0.079	0.215	28.690	5.336	0.538	1.041	-7.043	0.197	0.157
2	05:04:17	-0.225	0.190	28.090	3.720	0.504	-1.530	-7.062	0.235	0.163
3	05:05:25	0.138	0.093	26.790	0.291	0.331	-4.713	-18.610	0.117	0.024
x		-0.055	0.166	27.860	3.116	0.458	-1.734	-10.910	0.183	0.115
σ		0.183	0.064	0.971	2.576	0.112	2.882	6.674	0.060	0.079
%RSD		330.800	38.880	3.485	82.690	24.360	166.200	61.200	33.030	68.470

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:03:09	0.470	0.522	0.043	0.255	0.550	0.173	1.595	0.545	0.626
2	05:04:17	0.507	0.489	0.073	0.285	-0.119	0.182	1.277	-0.119	0.928
3	05:05:25	0.235	0.261	0.009	-0.343	-0.995	0.305	1.632	-0.988	4.077
x		0.404	0.424	0.042	0.066	-0.188	0.220	1.502	-0.187	1.877
σ		0.148	0.142	0.032	0.354	0.775	0.074	0.195	0.769	1.912
%RSD		36.600	33.470	77.450	537.500	412.100	33.630	13.010	410.400	101.800

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:03:09	0.696	0.435	0.498	0.513	0.591	0.004	100%	-3.336	0.250
2	05:04:17	0.429	0.466	0.448	0.408	0.374	0.004	100%	-2.097	0.234
3	05:05:25	0.272	0.213	0.244	0.339	0.342	0.000	99%	-1.826	0.109
x		0.466	0.371	0.397	0.420	0.436	0.003	100%	-2.420	0.198
σ		0.215	0.138	0.134	0.088	0.135	0.002	0%	0.805	0.077
%RSD		46.110	37.100	33.880	20.850	31.080	86.600	0	33.280	38.900

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:03:09	1.105	-3.352	0.224	-0.049	0.672	1.069	1.021	0.949	104%
2	05:04:17	0.418	-2.110	0.193	0.045	0.433	0.724	0.725	0.983	104%
3	05:05:25	0.298	-1.843	0.113	-0.036	0.331	0.570	0.714	0.476	105%
x		0.607	-2.435	0.176	-0.013	0.478	0.788	0.820	0.803	104%
σ		0.436	0.805	0.057	0.051	0.175	0.256	0.174	0.283	0%
%RSD		71.760	33.070	32.570	383.000	36.570	32.440	21.240	35.270	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:03:09	105%	0.268	0.289	0.220	0.199	0.211	104%	0.208
2	05:04:17	105%	0.214	0.233	0.144	0.220	0.182	105%	0.175
3	05:05:25	104%	0.138	0.127	0.111	0.121	0.117	104%	0.106
x		105%	0.207	0.217	0.158	0.180	0.170	104%	0.163
σ		0%	0.066	0.082	0.056	0.052	0.048	0%	0.052
%RSD		0	31.720	37.870	35.470	28.870	28.390	0	32.040

C4463-17 MH3B98 11/18/2011 05:09:55 AM

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	05:11:03	80%	0.882	244.300	0.000	698500.000	25200.000	24670.000	24280.000	7503.000
2	05:12:12	85%	0.960	222.200	0.000	658400.000	24090.000	23500.000	22890.000	7138.000
3	05:13:19	84%	1.295	231.500	0.000	668400.000	24280.000	23860.000	23230.000	7214.000
x		83%	1.045	232.600	0.000	675100.000	24520.000	24010.000	23470.000	7285.000
σ		3%	0.220	11.130	0.000	20850.000	596.800	603.400	724.100	192.400
%RSD		4	21.010	4.783	0.000	3.088	2.434	2.513	3.086	2.641

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:11:03	17970.000	3425.000	0.000	0.000	8947.000	52190.000	51840.000	88%	347.300
2	05:12:12	17190.000	3271.000	0.000	0.000	8666.000	51190.000	50590.000	90%	334.900
3	05:13:19	17260.000	3316.000	0.000	0.000	8704.000	51130.000	50260.000	91%	336.200
x		17470.000	3337.000	0.000	0.000	8773.000	51500.000	50900.000	90%	339.500
σ		432.800	79.220	0.000	0.000	152.400	592.800	832.800	1%	6.811
%RSD		2.477	2.374	0.000	0.000	1.737	1.151	1.636	2	2.006

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:11:03	95.560	130.800	205.100	27700.000	2968.000	28190.000	27640.000	8.455	39.770
2	05:12:12	93.340	127.800	217.500	27080.000	2911.000	27500.000	27100.000	8.207	39.070
3	05:13:19	90.300	130.200	225.900	27410.000	2939.000	27580.000	27220.000	8.131	39.030
x		93.060	129.600	216.200	27400.000	2939.000	27760.000	27320.000	8.264	39.290
σ		2.642	1.604	10.440	312.300	28.640	373.800	280.400	0.169	0.419
%RSD		2.839	1.238	4.829	1.140	0.974	1.347	1.026	2.049	1.067

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:11:03	90.040	89.410	53.210	130.100	-0.012	1.759	1.680	-0.012	6.328
2	05:12:12	88.970	86.130	51.620	127.200	1.093	1.411	2.445	1.090	1.173
3	05:13:19	89.930	86.910	53.200	129.500	0.153	1.570	1.430	0.153	4.961
x		89.650	87.480	52.680	128.900	0.411	1.580	1.852	0.410	4.154
σ		0.592	1.715	0.915	1.543	0.596	0.174	0.529	0.595	2.671
%RSD		0.661	1.960	1.738	1.197	144.900	11.020	28.560	144.900	64.290

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:11:03	107.700	19.280	27.070	18.410	18.760	0.005	89%	11.230	0.272
2	05:12:12	105.100	17.830	25.790	19.380	19.140	0.005	90%	13.090	0.369
3	05:13:19	107.100	19.520	27.250	19.050	19.170	0.019	89%	12.750	0.322
x		106.600	18.870	26.700	18.950	19.020	0.009	89%	12.360	0.321
σ		1.346	0.915	0.796	0.490	0.226	0.008	1%	0.993	0.049
%RSD		1.262	4.849	2.981	2.586	1.186	86.670	1	8.032	15.100

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:11:03	-1.571	11.170	0.252	0.803	2.297	2.234	909.000	911.200	100%
2	05:12:12	-3.397	13.030	0.250	0.938	2.121	1.952	891.300	888.700	101%
3	05:13:19	-2.923	12.690	0.255	0.912	2.239	2.087	917.100	909.400	100%
x		-2.630	12.300	0.252	0.884	2.219	2.091	905.800	903.100	101%
σ		0.948	0.990	0.003	0.072	0.090	0.141	13.210	12.470	1%
%RSD		36.020	8.049	1.069	8.105	4.035	6.744	1.458	1.381	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:11:03	100%	0.169	0.220	31.950	27.940	29.740	95%	5.976
2	05:12:12	102%	0.160	0.171	31.300	27.650	29.320	96%	5.679
3	05:13:19	101%	0.138	0.144	32.080	28.000	29.980	95%	5.948
x		101%	0.156	0.178	31.780	27.860	29.680	96%	5.867
σ		1%	0.016	0.039	0.415	0.187	0.331	1%	0.164
%RSD		1	10.260	21.720	1.304	0.672	1.116	1	2.796

C4463-07 MH3B90 11/18/2011 05:17:50 AM

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	05:18:59	82%	1.014	249.900	0.000	669200.000	24750.000	24080.000	23680.000	7832.000
2	05:20:07	83%	0.936	251.100	0.000	669000.000	24580.000	23930.000	23480.000	7820.000
3	05:21:15	85%	0.809	245.700	0.000	657800.000	24130.000	23640.000	23130.000	7689.000
x		83%	0.920	248.900	0.000	665300.000	24490.000	23880.000	23430.000	7780.000
σ		2%	0.104	2.827	0.000	6522.000	321.000	220.600	276.600	79.320
%RSD		2	11.290	1.136	0.000	0.980	1.311	0.924	1.180	1.019
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:18:59	18870.000	3329.000	0.000	0.000	8842.000	51160.000	50410.000	90%	353.700
2	05:20:07	18760.000	3327.000	0.000	0.000	8915.000	50180.000	50780.000	89%	362.800
3	05:21:15	18490.000	3302.000	0.000	0.000	8757.000	50520.000	50560.000	90%	359.900
x		18700.000	3319.000	0.000	0.000	8838.000	50620.000	50580.000	90%	358.800
σ		195.900	14.760	0.000	0.000	79.070	497.300	183.300	0%	4.645
%RSD		1.047	0.445	0.000	0.000	0.895	0.983	0.362	0	1.295
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:18:59	93.320	132.000	218.500	27310.000	2922.000	27640.000	27080.000	8.251	40.180
2	05:20:07	91.190	131.900	232.900	27730.000	2928.000	27820.000	27460.000	8.388	40.270
3	05:21:15	93.840	131.400	233.900	27270.000	2913.000	27640.000	27300.000	8.315	40.780
x		92.780	131.800	228.400	27440.000	2921.000	27700.000	27280.000	8.318	40.410
σ		1.407	0.354	8.628	252.800	7.676	104.700	195.400	0.069	0.320
%RSD		1.517	0.269	3.777	0.921	0.263	0.378	0.716	0.828	0.792
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:18:59	94.950	93.720	51.870	132.000	-0.794	1.565	1.576	-0.792	11.040
2	05:20:07	97.240	93.520	52.090	132.900	1.047	1.586	2.260	1.044	2.025
3	05:21:15	96.510	93.010	52.740	130.700	-0.514	1.798	1.349	-0.513	6.489
x		96.230	93.410	52.230	131.900	-0.087	1.650	1.728	-0.087	6.517
σ		1.170	0.366	0.455	1.123	0.992	0.129	0.475	0.989	4.506
%RSD		1.215	0.392	0.871	0.852	1143.000	7.803	27.460	1139.000	69.140
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:18:59	104.200	20.480	27.690	20.770	20.200	0.010	89%	12.230	0.239
2	05:20:07	105.500	21.200	26.430	20.140	20.550	0.009	89%	11.090	0.298
3	05:21:15	103.500	19.230	27.620	20.450	20.530	0.033	90%	13.480	0.228
x		104.400	20.310	27.250	20.460	20.430	0.017	89%	12.270	0.255
σ		0.999	0.996	0.707	0.314	0.197	0.014	0%	1.198	0.038
%RSD		0.956	4.904	2.594	1.537	0.965	78.490	0	9.766	14.950
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:18:59	-3.619	12.180	0.290	0.848	1.924	2.365	949.900	946.500	100%
2	05:20:07	-2.255	11.030	0.229	0.811	2.035	2.229	949.200	950.900	100%
3	05:21:15	-3.048	13.420	0.271	0.709	1.735	2.220	942.400	937.800	101%
x		-2.974	12.210	0.263	0.789	1.898	2.271	947.200	945.100	100%
σ		0.685	1.192	0.031	0.072	0.151	0.081	4.133	6.675	1%
%RSD		23.040	9.761	11.870	9.170	7.975	3.579	0.436	0.706	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	05:18:59	101%	0.141	0.131	32.790	29.300	30.860	96%	6.161	
2	05:20:07	101%	0.110	0.127	32.590	28.650	30.500	96%	6.188	
3	05:21:15	101%	0.123	0.127	32.460	28.500	30.300	97%	6.030	
x		101%	0.125	0.128	32.620	28.810	30.550	96%	6.126	
σ		0%	0.015	0.002	0.168	0.428	0.283	0%	0.084	
%RSD		0	12.340	1.711	0.515	1.486	0.925	1	1.378	

Reviewed By jaswal
On:11/22/2011 1:16:48
PM
Inst Id:PB

C4463-08 MH3B90D 11/18/2011 05:25:46 AM

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	05:26:55	84%	0.906	256.000	0.000	668900.000	24450.000	24080.000	23570.000	7724.000
2	05:28:03	82%	0.935	258.600	0.000	686800.000	25160.000	24450.000	24060.000	7936.000
3	05:29:11	84%	1.016	243.500	0.000	672100.000	24570.000	24080.000	23500.000	7764.000
x		83%	0.953	252.700	0.000	675900.000	24730.000	24210.000	23710.000	7808.000
σ		1%	0.057	8.079	0.000	9550.000	380.500	215.000	301.600	112.900
%RSD		2	5.986	3.197	0.000	1.413	1.539	0.888	1.272	1.445

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:26:55	18570.000	3278.000	0.000	0.000	8851.000	51000.000	50790.000	90%	349.200
2	05:28:03	18980.000	3366.000	0.000	0.000	9063.000	52430.000	51630.000	89%	360.300
3	05:29:11	18500.000	3315.000	0.000	0.000	8907.000	51500.000	51180.000	90%	355.500
x		18680.000	3320.000	0.000	0.000	8940.000	51640.000	51200.000	90%	355.000
σ		259.700	44.210	0.000	0.000	109.900	726.200	421.400	1%	5.596
%RSD		1.390	1.332	0.000	0.000	1.230	1.406	0.823	1	1.576

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:26:55	95.190	132.200	218.700	27570.000	2938.000	27920.000	27450.000	8.342	40.750
2	05:28:03	92.000	132.800	238.100	27960.000	3011.000	28350.000	27730.000	8.684	41.970
3	05:29:11	97.700	131.300	228.700	27540.000	2957.000	28060.000	27410.000	8.865	40.960
x		94.960	132.100	228.500	27690.000	2969.000	28110.000	27530.000	8.631	41.230
σ		2.856	0.746	9.683	237.400	38.010	215.700	173.900	0.266	0.653
%RSD		3.007	0.565	4.238	0.858	1.280	0.767	0.632	3.080	1.583

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:26:55	96.890	94.760	54.140	131.900	0.321	1.785	2.546	0.320	5.387
2	05:28:03	99.160	95.680	56.400	134.000	0.435	1.659	2.174	0.433	3.926
3	05:29:11	99.310	92.830	54.590	134.900	0.042	1.681	0.920	0.042	5.313
x		98.450	94.420	55.040	133.600	0.266	1.708	1.880	0.265	4.876
σ		1.358	1.457	1.196	1.497	0.202	0.067	0.852	0.201	0.823
%RSD		1.379	1.544	2.173	1.120	75.900	3.941	45.330	75.890	16.880

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:26:55	104.100	20.220	27.720	20.400	20.050	0.000	89%	13.340	0.334
2	05:28:03	104.900	20.400	27.020	20.260	20.270	0.009	90%	11.390	0.293
3	05:29:11	104.700	20.700	27.810	20.060	20.510	0.000	90%	8.883	0.283
x		104.600	20.440	27.510	20.240	20.280	0.003	90%	11.200	0.303
σ		0.397	0.242	0.434	0.175	0.233	0.005	0%	2.236	0.027
%RSD		0.379	1.183	1.577	0.866	1.147	173.200	0	19.960	8.964

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:26:55	-2.900	13.280	0.238	0.829	1.723	2.059	951.700	955.800	101%
2	05:28:03	-2.467	11.330	0.216	0.741	1.751	2.129	951.300	956.100	101%
3	05:29:11	-2.212	8.831	0.258	0.592	1.957	2.136	942.000	959.100	101%
x		-2.526	11.150	0.238	0.721	1.810	2.108	948.300	957.000	101%
σ		0.348	2.231	0.021	0.120	0.128	0.043	5.466	1.811	0%
%RSD		13.770	20.010	8.861	16.620	7.043	2.029	0.576	0.189	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:26:55	101%	0.117	0.123	33.070	29.230	31.020	95%	6.311
2	05:28:03	101%	0.121	0.127	32.790	29.130	30.850	96%	6.293
3	05:29:11	101%	0.134	0.125	33.050	29.290	30.910	96%	6.132
x		101%	0.124	0.125	32.970	29.220	30.930	96%	6.245
σ		0%	0.009	0.002	0.157	0.083	0.089	0%	0.099
%RSD		0	6.960	1.309	0.475	0.285	0.287	0	1.578

C4463-09 MH3B90S 11/18/2011 05:33:43 AM

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	05:34:51	85%	45.590	252.700	0.000	652800.000	24100.000	23480.000	23040.000	8974.000
2	05:35:59	86%	44.020	242.500	0.000	650800.000	23930.000	23190.000	22720.000	8883.000
3	05:37:07	86%	43.280	245.000	0.000	653700.000	24030.000	23320.000	22800.000	8924.000
x		85%	44.290	246.700	0.000	652500.000	24020.000	23330.000	22860.000	8927.000
σ		1%	1.184	5.273	0.000	1506.000	83.600	144.400	166.000	45.890
%RSD		1	2.674	2.137	0.000	0.231	0.348	0.619	0.726	0.514
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:34:51	18570.000	3192.000	0.000	0.000	8807.000	49360.000	49590.000	90%	380.300
2	05:35:59	18410.000	3216.000	0.000	0.000	8732.000	49300.000	49570.000	90%	389.000
3	05:37:07	18380.000	3211.000	0.000	0.000	8791.000	49530.000	49790.000	90%	382.800
x		18450.000	3206.000	0.000	0.000	8776.000	49400.000	49650.000	90%	384.000
σ		105.800	12.830	0.000	0.000	39.650	117.200	122.700	0%	4.520
%RSD		0.573	0.400	0.000	0.000	0.452	0.237	0.247	0	1.177
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:34:51	512.400	301.000	400.800	28360.000	3306.000	28690.000	28110.000	424.400	446.800
2	05:35:59	513.200	301.300	429.300	28180.000	3299.000	28560.000	27930.000	425.100	456.100
3	05:37:07	510.600	298.800	445.800	28480.000	3339.000	28700.000	28060.000	424.900	445.200
x		512.100	300.400	425.300	28340.000	3314.000	28650.000	28030.000	424.800	449.300
σ		1.291	1.337	22.790	152.400	21.620	75.730	88.960	0.325	5.877
%RSD		0.252	0.445	5.358	0.538	0.652	0.264	0.317	0.076	1.308
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:34:51	305.000	305.200	496.500	166.700	87.000	3.176	85.630	86.790	4.996
2	05:35:59	303.400	308.500	506.500	167.600	81.520	3.324	84.760	81.430	9.944
3	05:37:07	308.000	306.600	503.000	166.400	84.060	3.579	87.160	83.880	8.749
x		305.500	306.800	502.000	166.900	84.190	3.360	85.850	84.030	7.896
σ		2.304	1.647	5.103	0.606	2.739	0.204	1.215	2.685	2.582
%RSD		0.754	0.537	1.017	0.363	3.253	6.066	1.415	3.195	32.700
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:34:51	103.100	21.760	27.670	21.380	21.770	0.014	89%	60.860	42.460
2	05:35:59	102.400	21.700	29.120	22.340	21.520	0.024	89%	62.010	43.330
3	05:37:07	105.500	21.760	28.980	21.570	21.660	0.005	89%	56.390	42.580
x		103.700	21.740	28.590	21.760	21.650	0.014	89%	59.750	42.790
σ		1.637	0.037	0.797	0.510	0.125	0.010	0%	2.972	0.467
%RSD		1.580	0.171	2.788	2.344	0.577	66.990	0	4.973	1.090
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:34:51	-5.049	60.720	42.620	47.690	2.688	84.200	2676.000	2677.000	100%
2	05:35:59	-3.065	61.840	42.810	48.570	2.596	84.970	2694.000	2689.000	100%
3	05:37:07	-3.732	56.240	42.480	48.570	2.721	86.550	2689.000	2706.000	100%
x		-3.949	59.600	42.640	48.270	2.669	85.240	2687.000	2691.000	100%
σ		1.010	2.962	0.167	0.508	0.065	1.199	9.159	14.620	0%
%RSD		25.570	4.970	0.391	1.053	2.429	1.406	0.341	0.543	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	05:34:51	100%	44.520	45.150	52.450	46.690	48.960	96%	5.988	
2	05:35:59	100%	44.460	44.780	51.530	47.270	48.890	95%	5.995	
3	05:37:07	100%	45.430	45.090	52.290	46.780	49.120	95%	5.984	
x		100%	44.800	45.010	52.090	46.910	48.990	95%	5.989	
σ		0%	0.542	0.197	0.490	0.312	0.116	0%	0.006	
%RSD		0	1.209	0.439	0.941	0.666	0.237	0	0.094	

Reviewed By jaswal
On: 11/22/2011 1:16:48 PM
Inst ID: P8

C4463-07LX5 MH3B90L 11/18/2011 05:41:40 AM

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	05:42:48	85%	0.516	51.060	0.000	138500.000	5149.000	4940.000	4889.000	1616.000
2	05:43:56	84%	0.364	55.310	0.000	138000.000	5179.000	4940.000	4833.000	1599.000
3	05:45:04	84%	0.088	53.580	0.000	137100.000	5145.000	4970.000	4900.000	1612.000
x		85%	0.323	53.310	0.000	137900.000	5158.000	4950.000	4874.000	1609.000
σ		0%	0.217	2.138	0.000	692.900	18.530	17.190	35.810	8.695
%RSD		0	67.190	4.009	0.000	0.503	0.359	0.347	0.735	0.540

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:42:48	3847.000	660.600	0.000	0.000	1941.000	10670.000	10520.000	89%	70.370
2	05:43:56	3781.000	680.900	0.000	0.000	1919.000	10480.000	10400.000	90%	74.870
3	05:45:04	3818.000	668.700	0.000	0.000	1889.000	10450.000	10470.000	90%	72.220
x		3815.000	670.100	0.000	0.000	1916.000	10530.000	10470.000	90%	72.490
σ		32.910	10.210	0.000	0.000	26.330	118.200	60.320	1%	2.263
%RSD		0.863	1.524	0.000	0.000	1.374	1.122	0.576	1	3.122

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:42:48	19.280	29.160	141.300	5761.000	612.000	5857.000	5633.000	1.988	8.795
2	05:43:56	18.760	28.660	136.700	5659.000	610.700	5777.000	5610.000	1.982	9.031
3	05:45:04	17.970	28.300	135.000	5650.000	603.900	5745.000	5606.000	1.791	8.810
x		18.670	28.710	137.700	5690.000	608.900	5793.000	5616.000	1.920	8.879
σ		0.659	0.430	3.262	61.720	4.346	57.600	14.480	0.112	0.132
%RSD		3.532	1.498	2.370	1.085	0.714	0.994	0.258	5.829	1.484

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:42:48	20.090	20.020	11.150	26.490	0.856	0.923	1.577	0.849	3.813
2	05:43:56	19.510	19.760	10.400	26.530	-0.392	0.877	0.090	-0.389	1.902
3	05:45:04	20.040	19.840	11.240	26.810	-0.230	0.828	0.843	-0.229	2.644
x		19.880	19.870	10.930	26.610	0.078	0.876	0.837	0.077	2.786
σ		0.320	0.131	0.464	0.178	0.678	0.048	0.744	0.673	0.964
%RSD		1.609	0.658	4.242	0.669	869.100	5.455	88.890	876.300	34.590

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:42:48	20.110	4.047	5.524	4.132	4.196	0.027	94%	-0.227	0.112
2	05:43:56	20.550	3.846	5.585	4.655	4.003	0.009	95%	0.181	0.082
3	05:45:04	20.350	4.357	5.720	4.006	3.930	0.005	94%	0.221	0.067
x		20.340	4.083	5.610	4.264	4.043	0.014	94%	0.058	0.087
σ		0.217	0.258	0.100	0.344	0.137	0.012	0%	0.248	0.023
%RSD		1.065	6.309	1.789	8.068	3.396	88.360	0	423.900	26.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:42:48	0.266	-0.249	0.081	-0.025	0.322	0.473	188.500	189.500	101%
2	05:43:56	-0.260	0.158	0.055	0.035	0.341	0.345	192.000	191.500	102%
3	05:45:04	0.203	0.197	0.033	0.003	0.387	0.416	190.500	191.400	102%
x		0.070	0.035	0.056	0.004	0.350	0.411	190.400	190.800	102%
σ		0.287	0.247	0.024	0.030	0.033	0.064	1.759	1.124	0%
%RSD		413.200	695.900	42.560	712.300	9.535	15.660	0.924	0.589	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:42:48	102%	0.066	0.093	6.523	5.637	6.032	100%	1.179
2	05:43:56	102%	0.066	0.059	6.590	5.730	6.090	100%	1.217
3	05:45:04	102%	0.049	0.069	6.420	5.737	6.072	100%	1.203
x		102%	0.061	0.074	6.511	5.701	6.065	100%	1.200
σ		0%	0.010	0.018	0.085	0.056	0.030	0%	0.019
%RSD		0	16.670	24.220	1.310	0.981	0.488	0	1.602

C4463-17X25 MH3B98 11/18/2011 05:49:36 AM

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	05:50:44	87%	0.173	9.877	0.000	28670.000	1057.000	1018.000	979.100	311.100
2	05:51:53	86%	0.135	10.250	0.000	28600.000	1061.000	1010.000	987.300	309.400
3	05:53:01	84%	0.127	7.639	0.000	29050.000	1069.000	1034.000	1011.000	320.900
x		86%	0.145	9.255	0.000	28770.000	1052.000	1020.000	992.300	313.800
σ		1%	0.024	1.412	0.000	244.200	5.844	12.040	16.360	6.200
%RSD		1	16.850	15.250	0.000	0.849	0.550	1.180	1.648	1.976

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:44	728.400	130.700	0.000	0.000	446.400	2094.000	2190.000	91%	14.230
2	05:51:53	731.000	128.500	0.000	0.000	439.000	2021.000	2114.000	92%	16.030
3	05:53:01	740.700	133.300	0.000	0.000	453.100	2396.000	2177.000	90%	14.610
x		733.400	130.800	0.000	0.000	446.200	2170.000	2160.000	91%	14.960
σ		6.520	2.391	0.000	0.000	7.031	198.700	40.510	1%	0.951
%RSD		0.889	1.828	0.000	0.000	1.576	9.156	1.875	1	6.358

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:44	3.557	5.535	90.480	1191.000	128.100	1240.000	1145.000	0.389	1.879
2	05:51:53	3.659	5.867	87.070	1172.000	125.600	1222.000	1145.000	0.393	1.687
3	05:53:01	4.198	5.716	84.390	1182.000	128.000	1251.000	1160.000	0.356	1.483
x		3.805	5.706	87.310	1182.000	127.200	1238.000	1150.000	0.379	1.683
σ		0.344	0.167	3.053	9.367	1.414	14.360	9.078	0.020	0.198
%RSD		9.045	2.921	3.497	0.793	1.111	1.160	0.790	5.294	11.760

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:44	3.798	3.974	1.929	4.817	-0.385	0.655	1.243	-0.382	1.605
2	05:51:53	3.852	3.968	1.932	5.519	-0.597	0.554	1.231	-0.593	3.405
3	05:53:01	4.182	4.061	2.112	5.370	-0.650	0.549	1.150	-0.645	3.743
x		3.944	4.001	1.991	5.235	-0.544	0.586	1.208	-0.540	2.917
σ		0.208	0.052	0.105	0.370	0.140	0.060	0.051	0.139	1.149
%RSD		5.272	1.301	5.267	7.067	25.790	10.200	4.182	25.780	39.390

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:44	4.049	0.754	1.099	0.641	0.816	0.009	98%	-3.113	0.028
2	05:51:53	4.420	0.793	1.214	0.742	0.782	0.018	97%	-1.542	0.043
3	05:53:01	4.432	0.554	1.089	0.705	0.650	0.022	98%	-2.461	0.023
x		4.301	0.700	1.134	0.696	0.749	0.016	97%	-2.372	0.031
σ		0.218	0.128	0.070	0.051	0.088	0.007	1%	0.789	0.010
%RSD		5.070	18.330	6.131	7.337	11.690	41.690	1	33.280	33.360

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:44	1.140	-3.130	0.020	-0.235	0.022	0.046	37.590	36.780	103%
2	05:51:53	0.371	-1.560	0.020	-0.137	-0.010	0.018	37.890	36.300	103%
3	05:53:01	0.782	-2.479	0.002	-0.163	0.039	0.026	37.930	37.390	103%
x		0.764	-2.390	0.014	-0.178	0.017	0.030	37.800	36.820	103%
σ		0.385	0.789	0.010	0.051	0.025	0.014	0.188	0.544	0%
%RSD		50.360	33.000	71.580	28.500	149.200	47.630	0.497	1.476	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:50:44	103%	0.007	0.014	1.216	1.059	1.127	103%	0.228
2	05:51:53	103%	0.001	0.007	1.253	1.063	1.172	103%	0.218
3	05:53:01	103%	0.012	0.010	1.227	1.233	1.188	102%	0.221
x		103%	0.007	0.010	1.232	1.119	1.162	103%	0.222
σ		0%	0.006	0.004	0.019	0.100	0.031	0%	0.005
%RSD		0	85.450	34.630	1.520	8.899	2.693	0	2.365

Reviewed By jaswal
On 11/22/2011 1:16:48
PM
Dil 10 IP8

C4463-07X25 MH3B90 11/18/2011 05:57:33 AM

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	05:58:41	88%	0.072	10.800	0.000	27490.000	1026.000	980.500	969.100	327.300
2	05:59:49	86%	0.080	12.800	0.000	27810.000	1039.000	999.600	970.500	332.600
3	06:00:57	87%	0.057	11.630	0.000	27970.000	1043.000	1005.000	976.500	331.800
x		87%	0.070	11.740	0.000	27760.000	1036.000	995.000	972.100	330.600
σ		1%	0.012	1.005	0.000	243.900	8.959	12.790	3.927	2.834
%RSD		1	16.500	8.561	0.000	0.879	0.865	1.285	0.404	0.857
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:58:41	762.000	129.300	0.000	0.000	426.700	2265.000	2131.000	91%	13.440
2	05:59:49	768.100	116.400	0.000	0.000	427.700	2051.000	2079.000	92%	13.770
3	06:00:57	759.700	131.500	0.000	0.000	434.500	2137.000	2094.000	91%	14.580
x		763.200	125.700	0.000	0.000	429.700	2151.000	2101.000	91%	13.930
σ		4.358	8.161	0.000	0.000	4.251	107.800	26.560	1%	0.589
%RSD		0.571	6.492	0.000	0.000	0.989	5.010	1.264	1	4.229
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:58:41	3.459	5.650	74.000	1151.000	122.900	1215.000	1109.000	0.381	1.880
2	05:59:49	2.163	5.407	75.170	1129.000	123.600	1214.000	1093.000	0.382	1.882
3	06:00:57	3.918	5.575	72.090	1164.000	124.100	1228.000	1135.000	0.384	1.722
x		3.180	5.544	73.750	1148.000	123.600	1219.000	1113.000	0.382	1.828
σ		0.910	0.125	1.555	17.810	0.600	7.961	20.870	0.001	0.092
%RSD		28.620	2.250	2.108	1.551	0.486	0.653	1.876	0.351	5.024
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:58:41	4.192	4.067	2.169	5.813	0.143	0.434	1.037	0.142	1.287
2	05:59:49	4.166	3.960	2.238	6.040	-0.279	0.411	1.117	-0.277	1.605
3	06:00:57	4.037	4.128	2.026	4.510	-1.077	0.639	1.581	-1.068	6.988
x		4.132	4.052	2.144	5.454	-0.404	0.494	1.245	-0.401	3.293
σ		0.083	0.085	0.108	0.826	0.620	0.126	0.294	0.614	3.203
%RSD		2.003	2.099	5.021	15.140	153.300	25.390	23.580	153.200	97.270
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:58:41	4.181	0.860	0.938	1.092	0.675	0.004	97%	-3.066	-0.000
2	05:59:49	3.873	0.696	1.222	0.760	0.877	0.000	97%	-1.464	0.015
3	06:00:57	4.529	0.753	1.064	0.774	0.736	0.013	97%	-3.931	0.004
x		4.194	0.769	1.075	0.875	0.763	0.006	97%	-2.820	0.006
σ		0.328	0.083	0.142	0.188	0.104	0.007	0%	1.252	0.008
%RSD		7.822	10.810	13.240	21.450	13.600	114.600	0	44.390	123.800
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:58:41	1.189	-3.086	-0.002	-0.271	-0.017	0.044	38.310	38.550	104%
2	05:59:49	0.269	-1.484	0.009	-0.113	0.046	0.028	39.560	37.430	104%
3	06:00:57	1.576	-3.949	-0.002	-0.292	0.020	0.071	37.310	38.770	103%
x		1.011	-2.839	0.002	-0.225	0.016	0.048	38.390	38.250	103%
σ		0.671	1.251	0.006	0.098	0.032	0.022	1.131	0.720	1%
%RSD		66.380	44.050	343.500	43.400	198.200	45.030	2.945	1.883	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	05:58:41	103%	0.004	0.007	1.286	1.145	1.211	102%	0.212	
2	05:59:49	104%	-0.005	0.006	1.312	1.121	1.200	102%	0.205	
3	06:00:57	103%	0.007	0.005	1.317	1.116	1.185	102%	0.224	
x		103%	0.002	0.006	1.305	1.128	1.198	102%	0.214	
σ		1%	0.006	0.001	0.017	0.016	0.013	0%	0.010	
%RSD		1	300.300	21.710	1.283	1.381	1.068	0	4.597	

C4463-08X25 MH3B90D 11/18/2011 06:05:30 AM

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	06:06:39	85%	0.302	9.768	0.000	28540.000	1064.000	1024.000	992.600	336.900
2	06:07:47	85%	0.277	10.740	0.000	28010.000	1046.000	1024.000	994.700	330.300
3	06:08:55	82%	0.141	15.700	0.000	28920.000	1089.000	1045.000	1002.000	338.500
x		84%	0.240	12.070	0.000	28490.000	1066.000	1031.000	996.500	335.200
σ		2%	0.087	3.181	0.000	453.300	21.550	12.050	5.045	4.353
%RSD		2	36.170	26.350	0.000	1.591	2.021	1.168	0.506	1.299
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:06:39	780.900	131.100	0.000	0.000	437.900	2136.000	2130.000	91%	14.740
2	06:07:47	756.700	130.000	0.000	0.000	430.000	2193.000	2149.000	91%	13.350
3	06:08:55	783.400	134.200	0.000	0.000	444.600	2141.000	2098.000	92%	15.280
x		773.700	131.800	0.000	0.000	437.500	2157.000	2126.000	91%	14.460
σ		14.770	2.170	0.000	0.000	7.286	31.350	25.600	0%	0.995
%RSD		1.909	1.647	0.000	0.000	1.665	1.454	1.204	0	6.880
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:06:39	4.345	5.509	64.670	1153.000	125.200	1217.000	1114.000	0.382	1.894
2	06:07:47	3.124	5.609	65.360	1162.000	124.100	1214.000	1121.000	0.318	1.668
3	06:08:55	4.778	5.635	61.290	1145.000	123.900	1214.000	1108.000	0.339	1.346
x		4.082	5.585	63.770	1153.000	124.400	1215.000	1114.000	0.346	1.636
σ		0.858	0.066	2.178	8.351	0.719	1.400	6.633	0.033	0.276
%RSD		21.010	1.188	3.415	0.724	0.578	0.115	0.595	9.456	16.860
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:06:39	4.022	4.262	1.884	5.404	0.038	0.438	1.579	0.037	-0.472
2	06:07:47	4.041	4.028	2.263	5.918	0.195	0.394	1.562	0.193	3.013
3	06:08:55	4.165	4.294	2.064	5.781	0.090	0.456	1.817	0.089	1.269
x		4.076	4.195	2.071	5.701	0.108	0.429	1.653	0.107	1.270
σ		0.078	0.145	0.190	0.266	0.080	0.032	0.143	0.079	1.743
%RSD		1.909	3.455	9.155	4.673	74.280	7.435	8.628	74.590	137.200
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:06:39	4.039	0.786	1.007	0.762	0.785	0.009	97%	-3.175	0.026
2	06:07:47	3.999	0.823	1.227	0.865	0.904	0.013	97%	-1.150	-0.000
3	06:08:55	4.128	0.973	1.124	0.921	0.825	0.013	97%	-2.100	0.008
x		4.055	0.860	1.119	0.849	0.838	0.012	97%	-2.141	0.011
σ		0.066	0.099	0.110	0.080	0.061	0.003	0%	1.013	0.013
%RSD		1.618	11.520	9.832	9.451	7.243	21.530	0	47.310	117.300
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:06:39	1.170	-3.193	0.003	-0.249	-0.014	0.044	38.160	37.450	103%
2	06:07:47	0.061	-1.167	-0.006	-0.090	0.046	0.020	39.790	37.760	103%
3	06:08:55	0.688	-2.119	-0.006	-0.204	0.046	0.024	39.420	38.060	103%
x		0.640	-2.160	-0.003	-0.181	0.026	0.029	39.120	37.750	103%
σ		0.556	1.013	0.005	0.082	0.035	0.013	0.850	0.304	0%
%RSD		87.000	46.930	154.900	45.100	132.800	44.480	2.172	0.806	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	06:06:39	102%	-0.007	-0.001	1.273	1.129	1.227	102%	0.227	
2	06:07:47	103%	-0.003	-0.002	1.316	1.056	1.186	103%	0.232	
3	06:08:55	104%	-0.008	-0.006	1.308	1.115	1.187	102%	0.213	
x		103%	-0.006	-0.003	1.299	1.100	1.200	102%	0.224	
σ		1%	0.003	0.002	0.023	0.039	0.024	1%	0.010	
%RSD		1	48.010	73.710	1.773	3.528	1.966	1	4.435	

C4463-09X2S MH3B90S 11/18/2011 06:13:29 AM

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	06:14:37	86%	2.007	8.593	0.000	27370.000	1024.000	986.900	966.000	408.800
2	06:15:45	85%	2.086	10.740	0.000	27670.000	1042.000	977.600	991.500	409.800
3	06:16:53	87%	1.920	8.115	0.000	27280.000	1017.000	974.800	966.700	407.600
x		86%	2.005	9.148	0.000	27440.000	1028.000	979.800	974.700	408.700
σ		1%	0.083	1.396	0.000	206.500	13.320	6.319	14.530	1.140
%RSD		1	4.154	15.260	0.000	0.753	1.297	0.645	1.491	0.279
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:14:37	772.300	126.500	0.000	0.000	429.600	2156.000	2072.000	91%	15.450
2	06:15:45	775.300	121.200	0.000	0.000	430.700	2150.000	2044.000	91%	17.060
3	06:16:53	770.200	124.100	0.000	0.000	432.700	2160.000	2073.000	90%	15.880
x		772.600	124.000	0.000	0.000	431.000	2156.000	2063.000	91%	16.130
σ		2.574	2.647	0.000	0.000	1.540	5.014	16.570	0%	0.834
%RSD		0.333	2.136	0.000	0.000	0.357	0.233	0.803	0	5.169
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:14:37	20.540	12.320	65.440	1191.000	139.700	1255.000	1161.000	18.060	18.830
2	06:15:45	20.510	12.350	66.210	1183.000	138.900	1242.000	1153.000	17.630	18.870
3	06:16:53	19.930	12.580	66.940	1187.000	139.800	1253.000	1141.000	18.060	18.860
x		20.330	12.420	66.200	1187.000	139.500	1250.000	1152.000	17.920	18.850
σ		0.344	0.139	0.753	3.959	0.504	6.815	9.938	0.250	0.022
%RSD		1.692	1.116	1.137	0.334	0.362	0.545	0.863	1.393	0.115
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:14:37	12.990	12.600	20.370	6.510	3.316	0.431	4.779	3.287	1.988
2	06:15:45	13.000	13.270	21.420	6.497	3.878	0.509	4.863	3.843	0.161
3	06:16:53	13.370	13.480	20.950	6.539	3.419	0.434	5.210	3.386	5.137
x		13.120	13.120	20.920	6.515	3.537	0.458	4.950	3.505	2.429
σ		0.221	0.458	0.525	0.021	0.299	0.044	0.229	0.296	2.517
%RSD		1.683	3.491	2.508	0.330	8.459	9.687	4.615	8.454	103.700
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:14:37	4.338	0.777	1.105	0.920	0.787	0.004	97%	0.588	1.663
2	06:15:45	3.874	0.825	1.121	0.913	0.871	0.000	98%	-0.449	1.734
3	06:16:53	4.320	0.807	1.099	0.841	0.836	0.017	98%	-0.438	1.714
x		4.177	0.803	1.108	0.891	0.832	0.007	98%	-0.100	1.704
σ		0.263	0.024	0.012	0.043	0.042	0.009	0%	0.596	0.036
%RSD		6.294	3.009	1.046	4.880	5.047	124.700	0	595.200	2.136
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:14:37	0.408	0.571	1.651	1.866	0.029	3.291	108.200	110.400	103%
2	06:15:45	0.470	-0.467	1.714	1.701	0.012	3.215	109.300	108.800	104%
3	06:16:53	0.467	-0.457	1.622	1.722	0.008	3.366	107.700	109.300	104%
x		0.448	-0.118	1.662	1.763	0.016	3.291	108.400	109.500	103%
σ		0.035	0.597	0.047	0.089	0.011	0.075	0.818	0.791	1%
%RSD		7.732	507.300	2.842	5.073	68.890	2.284	0.755	0.723	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	06:14:37	104%	1.778	1.739	1.974	1.735	1.868	103%	0.229	
2	06:15:45	104%	1.755	1.822	2.114	1.783	1.904	102%	0.220	
3	06:16:53	103%	1.693	1.839	2.138	1.880	1.946	102%	0.207	
x		103%	1.742	1.800	2.075	1.799	1.906	102%	0.219	
σ		0%	0.044	0.053	0.089	0.074	0.039	1%	0.011	
%RSD		0	2.528	2.964	4.269	4.093	2.046	1	5.090	

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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	06:22:35	89%	-0.008	1.013	0.000	5800.000	205.600	196.100	193.400	71.100
2	06:23:43	87%	0.074	1.405	0.000	5924.000	208.400	196.700	192.200	71.830
3	06:24:51	87%	0.075	1.763	0.000	5893.000	209.100	201.200	192.600	72.170
x		88%	0.047	1.394	0.000	5872.000	207.700	198.000	192.700	71.700
σ		1%	0.047	0.375	0.000	64.870	1.886	2.768	0.617	0.545
%RSD		1	100.700	26.900	0.000	1.105	0.908	1.398	0.320	0.761
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:22:35	146.700	15.130	0.000	0.000	104.900	401.000	397.200	94%	2.773
2	06:23:43	146.900	18.520	0.000	0.000	126.200	420.900	411.300	92%	3.948
3	06:24:51	158.900	19.830	0.000	0.000	118.400	426.700	395.600	94%	2.872
x		150.800	17.830	0.000	0.000	116.500	416.200	401.400	93%	3.198
σ		6.964	2.425	0.000	0.000	10.790	13.480	8.629	1%	0.652
%RSD		4.616	13.600	0.000	0.000	9.263	3.239	2.150	1	20.390
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:22:35	1.335	1.184	46.160	223.900	24.100	233.400	197.000	0.058	0.152
2	06:23:43	0.140	1.082	47.480	227.500	25.020	239.400	198.900	0.041	0.051
3	06:24:51	0.424	1.136	45.520	220.900	23.880	235.200	204.600	0.079	0.303
x		0.633	1.134	46.380	224.100	24.330	236.000	200.200	0.059	0.169
σ		0.624	0.051	0.999	3.297	0.603	3.082	3.967	0.019	0.127
%RSD		98.620	4.528	2.153	1.471	2.476	1.306	1.982	31.820	75.270
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:22:35	0.806	0.905	0.364	0.880	-0.171	0.332	1.280	-0.170	0.972
2	06:23:43	0.780	0.768	0.443	1.061	0.399	0.337	1.352	0.395	-0.334
3	06:24:51	0.841	0.787	0.508	1.167	0.190	0.285	0.365	0.188	0.286
x		0.809	0.820	0.438	1.036	0.139	0.318	0.999	0.138	0.308
σ		0.031	0.074	0.072	0.146	0.288	0.029	0.550	0.286	0.653
%RSD		3.771	9.035	16.460	14.050	207.000	9.116	55.090	207.900	212.100
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:22:35	0.769	0.128	0.189	0.235	0.218	0.026	99%	-3.729	-0.001
2	06:23:43	0.817	0.141	0.190	0.152	0.130	0.017	99%	-4.685	-0.013
3	06:24:51	0.905	0.127	0.262	0.193	0.113	0.013	100%	-2.483	-0.005
x		0.830	0.132	0.214	0.194	0.154	0.019	99%	-3.632	-0.006
σ		0.069	0.008	0.042	0.041	0.056	0.007	0%	1.104	0.006
%RSD		8.358	5.958	19.550	21.390	36.540	35.370	0	30.410	102.400
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:22:35	1.218	-3.748	0.004	-0.284	-0.043	-0.047	7.021	7.199	106%
2	06:23:43	1.582	-4.702	-0.004	-0.339	-0.059	-0.026	7.520	7.393	104%
3	06:24:51	0.593	-2.500	-0.000	-0.190	-0.046	-0.058	7.352	7.374	105%
x		1.131	-3.650	-0.000	-0.271	-0.049	-0.044	7.298	7.322	105%
σ		0.500	1.104	0.004	0.076	0.009	0.017	0.254	0.107	1%
%RSD		44.220	30.250	13720.000	27.890	17.440	37.860	3.479	1.460	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	06:22:35	105%	-0.009	-0.001	0.216	0.208	0.198	105%	0.034	
2	06:23:43	104%	-0.013	-0.005	0.223	0.208	0.214	104%	0.030	
3	06:24:51	104%	-0.002	-0.002	0.255	0.237	0.244	104%	0.032	
x		105%	-0.008	-0.003	0.231	0.218	0.219	104%	0.032	
σ		1%	0.006	0.002	0.021	0.016	0.023	0%	0.002	
%RSD		0	70.680	74.690	8.907	7.562	10.720	0	6.403	

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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	06:30:31	85%	494.200	504.700	0.000	53630.000	50870.000	49900.000	48840.000	9461.000
2	06:31:39	84%	491.500	503.800	0.000	53590.000	50650.000	49600.000	48640.000	9421.000
3	06:32:47	83%	506.400	509.300	0.000	54290.000	51210.000	50360.000	49200.000	9516.000
x		84%	497.400	505.900	0.000	53840.000	50910.000	49950.000	48890.000	9466.000
σ		1%	7.919	2.942	0.000	390.800	281.800	379.800	286.500	47.210
%RSD		1	1.592	0.582	0.000	0.726	0.553	0.760	0.586	0.499
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:30:31	449.900	9649.000	0.000	0.000	25370.000	51050.000	50330.000	90%	491.900
2	06:31:39	452.300	9573.000	0.000	0.000	25080.000	50750.000	50310.000	91%	485.700
3	06:32:47	454.000	9630.000	0.000	0.000	25480.000	50870.000	50480.000	90%	493.000
x		452.100	9617.000	0.000	0.000	25310.000	50890.000	50370.000	90%	490.200
σ		2.064	39.740	0.000	0.000	210.900	152.600	95.520	0%	3.965
%RSD		0.457	0.413	0.000	0.000	0.833	0.300	0.190	1	0.809
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:30:31	491.200	491.900	35.220	25000.000	1010.000	25100.000	24820.000	481.200	482.100
2	06:31:39	477.900	487.800	44.090	24940.000	1004.000	25090.000	24720.000	478.900	475.600
3	06:32:47	491.600	493.700	34.100	25010.000	1012.000	25230.000	24800.000	481.700	475.900
x		486.900	491.100	37.810	24980.000	1009.000	25140.000	24780.000	480.600	477.900
σ		7.808	3.001	5.471	34.730	4.288	73.690	55.460	1.511	3.643
%RSD		1.603	0.611	14.470	0.139	0.425	0.293	0.224	0.315	0.762
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:30:31	969.500	964.700	1029.000	501.000	491.300	-1.075	486.900	487.700	-0.325
2	06:31:39	961.000	958.800	1026.000	497.500	494.400	-1.110	484.800	491.100	1.844
3	06:32:47	966.400	960.600	1027.000	498.200	488.200	-0.590	485.400	484.300	0.419
x		965.600	961.300	1027.000	498.900	491.300	-0.925	485.700	487.700	0.646
σ		4.307	3.004	1.626	1.815	3.094	0.291	1.079	3.398	1.102
%RSD		0.446	0.313	0.158	0.364	0.630	31.430	0.222	0.697	170.600
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:30:31	490.600	493.200	496.000	496.400	494.200	0.022	95%	512.800	499.000
2	06:31:39	501.100	493.400	486.700	494.600	491.900	0.000	95%	513.200	499.400
3	06:32:47	490.000	494.500	488.400	490.800	490.800	0.009	95%	487.500	497.900
x		493.900	493.700	490.300	493.900	492.300	0.010	95%	504.500	498.800
σ		6.271	0.708	4.940	2.856	1.712	0.011	0%	14.740	0.795
%RSD		1.270	0.144	1.008	0.578	0.348	107.800	0	2.922	0.159
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:30:31	8.406	512.300	499.900	508.100	502.900	514.800	2469.000	2461.000	104%
2	06:31:39	8.201	512.700	500.400	507.700	501.000	511.000	2488.000	2463.000	104%
3	06:32:47	16.420	487.200	501.100	501.600	504.600	512.300	2483.000	2476.000	103%
x		11.010	504.000	500.500	505.800	502.900	512.700	2480.000	2467.000	103%
σ		4.686	14.610	0.630	3.625	1.786	1.940	9.669	8.375	1%
%RSD		42.570	2.898	0.126	0.717	0.355	0.378	0.390	0.340	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	06:30:31	103%	490.300	497.500	493.000	494.900	492.600	101%	491.200	
2	06:31:39	103%	492.800	495.900	495.000	496.800	492.800	101%	494.200	
3	06:32:47	103%	496.900	500.800	498.300	498.600	497.000	100%	493.500	
x		103%	493.300	498.100	495.500	496.800	494.100	101%	493.000	
σ		0%	3.321	2.524	2.686	1.890	2.537	1%	1.544	
%RSD		0	0.673	0.507	0.542	0.380	0.514	1	0.313	

Reviewed By:eswi
11/22/2011 1:18:18 PM
Instrid: PE

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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	06:38:26	87%	0.056	3.864	0.000	374.600	6.561	5.503	5.030	9.006
2	06:39:34	88%	0.300	5.572	0.000	371.900	8.808	9.421	7.902	8.416
3	06:40:42	88%	0.091	4.878	0.000	373.800	7.047	7.522	4.646	8.598
x		87%	0.149	4.772	0.000	373.500	7.472	7.482	5.860	8.673
σ		0%	0.132	0.859	0.000	1.414	1.182	1.959	1.779	0.302
%RSD		0	88.620	18.010	0.000	0.379	15.820	26.180	30.370	3.487

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:38:26	0.421	-9.049	0.000	0.000	39.830	1.339	-17.670	92%	0.276
2	06:39:34	1.278	-9.062	0.000	0.000	42.120	5.561	-5.364	92%	0.394
3	06:40:42	-1.931	-8.397	0.000	0.000	36.500	-6.951	-14.990	93%	0.160
x		-0.078	-8.836	0.000	0.000	39.480	-0.017	-12.680	92%	0.276
σ		1.662	0.380	0.000	0.000	2.826	6.365	6.473	0%	0.117
%RSD		2142.000	4.302	0.000	0.000	7.157	37200.000	51.070	0	42.330

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:38:26	-0.337	-0.075	32.890	-0.138	0.192	-9.367	-22.170	0.057	-0.119
2	06:39:34	1.008	0.039	30.370	2.091	0.270	-6.227	-23.050	0.093	-0.070
3	06:40:42	-0.171	0.009	31.210	-3.006	0.111	-8.382	-16.350	0.018	-0.037
x		0.167	-0.009	31.490	-0.351	0.191	-7.992	-20.520	0.056	-0.075
σ		0.734	0.059	1.283	2.555	0.080	1.606	3.641	0.037	0.041
%RSD		440.400	673.000	4.074	728.100	41.740	20.090	17.740	67.060	55.030

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:38:26	0.174	0.258	-0.008	-0.119	-0.274	0.252	1.464	-0.272	0.633
2	06:39:34	0.217	0.330	-0.048	0.120	-0.639	0.203	1.376	-0.634	2.438
3	06:40:42	0.183	0.089	-0.162	0.004	0.344	0.222	2.252	0.340	1.287
x		0.191	0.226	-0.073	0.002	-0.190	0.226	1.697	-0.189	1.453
σ		0.023	0.124	0.080	0.120	0.497	0.025	0.483	0.492	0.914
%RSD		12.010	54.850	109.900	7243.000	261.500	11.060	28.430	260.600	62.910

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:38:26	0.269	0.394	0.291	0.285	0.347	0.021	100%	-2.732	0.062
2	06:39:34	0.272	0.207	0.190	0.370	0.305	0.009	100%	-3.742	0.098
3	06:40:42	0.314	0.269	0.290	0.202	0.183	0.000	101%	-2.647	0.083
x		0.285	0.290	0.257	0.286	0.279	0.010	100%	-3.041	0.081
σ		0.025	0.095	0.058	0.084	0.085	0.011	1%	0.609	0.018
%RSD		8.808	32.900	22.670	29.450	30.490	107.600	1	20.030	22.540

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:38:26	0.768	-2.747	0.103	-0.171	0.438	0.815	0.188	0.156	104%
2	06:39:34	1.159	-3.759	0.078	-0.166	0.274	0.650	0.370	0.334	105%
3	06:40:42	0.666	-2.662	0.043	-0.129	0.258	0.413	0.310	0.275	105%
x		0.864	-3.056	0.074	-0.155	0.323	0.626	0.289	0.255	105%
σ		0.260	0.611	0.030	0.023	0.100	0.202	0.093	0.091	1%
%RSD		30.090	19.980	40.720	14.900	30.880	32.230	32.120	35.630	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:38:26	105%	0.080	0.090	0.042	0.065	0.039	104%	0.050
2	06:39:34	105%	0.077	0.086	0.038	0.057	0.051	105%	0.064
3	06:40:42	105%	0.084	0.063	0.049	0.053	0.045	104%	0.054
x		105%	0.081	0.080	0.043	0.058	0.045	104%	0.056
σ		0%	0.004	0.015	0.006	0.006	0.006	0%	0.007
%RSD		0	4.402	18.750	13.340	10.490	13.320	0	13.080

Reviewed By:jaswal
On:11/22/2011 1:16:48 PM
Inst Id :P8

C4463-10 MH3B91 11/18/2011 06:45:14 AM

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	06:46:22	84%	1.463	242.100	0.000	539700.000	27920.000	27420.000	26560.000	11220.000
2	06:47:30	84%	0.905	245.400	0.000	542900.000	28070.000	27370.000	26840.000	11190.000
3	06:48:38	83%	1.219	247.200	0.000	554300.000	28740.000	28120.000	27360.000	11490.000
x		84%	1.196	244.900	0.000	545600.000	28240.000	27640.000	26920.000	11300.000
σ		1%	0.280	2.613	0.000	7656.000	439.300	418.000	405.000	164.500
%RSD		1	23.410	1.067	0.000	1.403	1.556	1.513	1.505	1.456

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:46:22	26520.000	2112.000	0.000	0.000	13460.000	54280.000	53790.000	92%	510.200
2	06:47:30	26600.000	2113.000	0.000	0.000	13460.000	53680.000	53510.000	93%	503.700
3	06:48:38	27250.000	2204.000	0.000	0.000	13790.000	54500.000	54380.000	92%	523.200
x		26790.000	2143.000	0.000	0.000	13570.000	54150.000	53890.000	92%	512.400
σ		400.100	53.010	0.000	0.000	189.700	419.700	442.000	1%	9.922
%RSD		1.493	2.474	0.000	0.000	1.397	0.775	0.820	1	1.936

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:46:22	61.490	166.900	180.100	41420.000	5455.000	41790.000	41060.000	13.080	54.120
2	06:47:30	60.400	165.400	200.600	41160.000	5461.000	41740.000	41060.000	13.790	52.450
3	06:48:38	61.210	168.500	215.800	42120.000	5584.000	42340.000	41540.000	13.490	53.670
x		61.030	166.900	198.800	41570.000	5500.000	41960.000	41220.000	13.450	53.410
σ		0.564	1.558	17.930	494.100	72.850	334.900	275.300	0.355	0.863
%RSD		0.923	0.933	9.020	1.189	1.325	0.798	0.668	2.641	1.616

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:46:22	111.100	111.200	76.500	102.000	-0.566	1.299	1.661	-0.566	9.384
2	06:47:30	111.200	110.900	74.650	101.700	0.529	1.389	1.403	0.529	2.467
3	06:48:38	114.600	112.400	74.870	104.700	-1.056	1.466	2.576	-1.054	11.430
x		112.300	111.500	75.340	102.800	-0.364	1.385	1.880	-0.364	7.760
σ		2.011	0.754	1.010	1.628	0.812	0.084	0.617	0.811	4.696
%RSD		1.791	0.676	1.341	1.583	222.900	6.036	32.800	223.000	60.520

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:46:22	75.310	20.200	25.300	20.030	20.320	0.009	89%	8.119	0.302
2	06:47:30	75.520	19.840	26.040	20.570	21.060	0.014	91%	8.300	0.329
3	06:48:38	75.220	20.540	26.310	21.590	20.260	0.005	90%	7.866	0.281
x		75.350	20.200	25.880	20.730	20.550	0.009	90%	8.095	0.304
σ		0.153	0.350	0.524	0.789	0.445	0.005	1%	0.218	0.024
%RSD		0.203	1.732	2.025	3.806	2.165	49.620	1	2.694	7.925

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:46:22	-2.279	8.068	0.234	0.797	2.092	1.410	1268.000	1266.000	100%
2	06:47:30	-2.537	8.259	0.275	0.907	2.007	1.298	1263.000	1267.000	100%
3	06:48:38	-2.053	7.821	0.269	0.745	1.815	1.272	1263.000	1263.000	101%
x		-2.290	8.049	0.259	0.817	1.971	1.327	1265.000	1265.000	100%
σ		0.242	0.220	0.022	0.083	0.142	0.073	2.720	1.787	0%
%RSD		10.570	2.733	8.455	10.150	7.203	5.518	0.215	0.141	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:46:22	100%	0.380	0.380	39.670	34.910	37.290	95%	3.056
2	06:47:30	101%	0.331	0.321	40.030	35.060	37.380	95%	3.064
3	06:48:38	101%	0.306	0.327	39.170	35.330	37.010	96%	2.990
x		101%	0.339	0.343	39.620	35.100	37.230	96%	3.037
σ		1%	0.038	0.032	0.433	0.209	0.192	1%	0.040
%RSD		1	11.100	9.454	1.093	0.596	0.517	1	1.333

Reviewed By: aswalsh
on 12/22/2011 1:16:48 PM
Inst: 1 JPB

C4463-11 MH3B92 11/18/2011 06:53:09 AM

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	06:54:17	80%	0.401	426.000	0.000	474700.000	19360.000	18680.000	18160.000	1738.000
2	06:55:25	81%	0.520	433.600	0.000	466100.000	18860.000	18280.000	17800.000	1689.000
3	06:56:33	80%	0.323	432.600	0.000	477600.000	19390.000	18680.000	18220.000	1738.000
x		80%	0.415	430.700	0.000	472800.000	19200.000	18550.000	18060.000	1722.000
σ		1%	0.099	4.131	0.000	6003.000	301.500	228.100	224.900	28.560
%RSD		1	23.850	0.959	0.000	1.270	1.570	1.230	1.245	1.659

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:54:17	17270.000	647.900	0.000	0.000	19050.000	62370.000	63390.000	84%	91.760
2	06:55:25	16870.000	632.600	0.000	0.000	18540.000	61730.000	61410.000	86%	91.600
3	06:56:33	17260.000	657.200	0.000	0.000	18910.000	62850.000	62730.000	85%	96.220
x		17130.000	645.900	0.000	0.000	18830.000	62320.000	62510.000	85%	93.190
σ		227.400	12.400	0.000	0.000	264.500	565.100	1007.000	1%	2.623
%RSD		1.328	1.920	0.000	0.000	1.405	0.907	1.611	1	2.814

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:54:17	32.990	50.410	218.400	41190.000	4394.000	41990.000	40790.000	2.461	12.140
2	06:55:25	31.270	48.550	228.700	40140.000	4273.000	40640.000	39660.000	2.368	11.940
3	06:56:33	30.690	50.180	238.400	40850.000	4364.000	41330.000	40700.000	2.497	11.580
x		31.650	49.710	228.500	40730.000	4344.000	41320.000	40380.000	2.442	11.890
σ		1.197	1.015	10.000	534.000	63.240	678.700	627.800	0.067	0.283
%RSD		3.782	2.042	4.378	1.311	1.456	1.642	1.555	2.736	2.377

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:54:17	39.570	38.470	11.400	50.490	-0.419	1.554	1.894	-0.417	6.488
2	06:55:25	38.420	37.660	10.520	51.120	0.906	1.314	1.653	0.902	-3.427
3	06:56:33	39.610	39.730	11.140	48.380	-0.299	1.582	2.103	-0.298	4.770
x		39.200	38.620	11.020	49.990	0.063	1.483	1.883	0.062	2.610
σ		0.675	1.045	0.449	1.436	0.733	0.147	0.225	0.729	5.298
%RSD		1.723	2.704	4.079	2.872	1168.000	9.935	11.960	1173.000	203.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:54:17	40.190	12.470	14.310	12.690	12.690	0.015	86%	2.950	0.218
2	06:55:25	40.950	12.000	14.660	12.470	12.220	0.010	88%	0.948	0.211
3	06:56:33	41.690	12.370	14.810	11.940	12.620	0.015	87%	3.671	0.186
x		40.940	12.280	14.590	12.370	12.510	0.013	87%	2.523	0.205
σ		0.748	0.249	0.255	0.386	0.251	0.003	1%	1.411	0.016
%RSD		1.826	2.025	1.756	3.118	2.007	22.320	1	55.910	7.978

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:54:17	-0.871	2.908	0.202	0.280	0.767	1.304	203.100	202.500	97%
2	06:55:25	0.300	0.911	0.155	0.048	0.624	1.182	199.900	197.900	99%
3	06:56:33	-1.425	3.630	0.161	0.361	0.671	1.133	206.300	204.400	98%
x		-0.665	2.483	0.173	0.230	0.687	1.206	203.100	201.600	98%
σ		0.881	1.409	0.026	0.163	0.073	0.088	3.197	3.365	1%
%RSD		132.400	56.730	14.980	70.900	10.640	7.296	1.574	1.669	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:54:17	97%	0.043	0.042	21.560	19.490	20.470	93%	0.485
2	06:55:25	99%	0.024	0.036	20.970	18.920	19.630	96%	0.487
3	06:56:33	99%	0.025	0.040	21.760	19.170	20.180	95%	0.498
x		98%	0.031	0.039	21.430	19.190	20.100	95%	0.490
σ		1%	0.011	0.003	0.411	0.286	0.425	1%	0.007
%RSD		1	34.060	7.957	1.915	1.488	2.115	1	1.452

C4463-10X25 MH3B91 11/18/2011 07:01:05 AM

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	07:02:13	83%	0.137	15.550	0.000	23460.000	1219.000	1162.000	1135.000	511.900
2	07:03:22	84%	0.148	19.970	0.000	23460.000	1227.000	1175.000	1146.000	512.500
3	07:04:30	86%	0.194	14.880	0.000	23200.000	1211.000	1149.000	1144.000	507.200
x		84%	0.160	16.800	0.000	23370.000	1219.000	1162.000	1142.000	510.500
σ		2%	0.031	2.763	0.000	151.000	8.034	13.040	5.694	2.882
%RSD		2	19.240	16.450	0.000	0.646	0.659	1.122	0.499	0.565

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:02:13	1094.000	83.100	0.000	0.000	661.800	2252.000	2272.000	91%	20.930
2	07:03:22	1115.000	86.260	0.000	0.000	666.500	2454.000	2299.000	90%	22.380
3	07:04:30	1106.000	74.560	0.000	0.000	656.000	2321.000	2312.000	90%	21.820
x		1105.000	81.310	0.000	0.000	661.400	2342.000	2294.000	90%	21.710
σ		10.410	6.055	0.000	0.000	5.241	103.000	20.510	0%	0.728
%RSD		0.942	7.447	0.000	0.000	0.792	4.396	0.894	0	3.351

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:02:13	1.534	7.188	74.060	1746.000	233.500	1846.000	1704.000	0.562	2.243
2	07:03:22	2.765	7.117	69.680	1784.000	236.800	1881.000	1752.000	0.525	2.097
3	07:04:30	1.954	7.535	68.880	1798.000	238.800	1884.000	1758.000	0.538	2.511
x		2.085	7.280	70.870	1776.000	236.400	1870.000	1738.000	0.542	2.284
σ		0.626	0.224	2.788	26.920	2.662	21.420	29.870	0.018	0.210
%RSD		30.020	3.076	3.935	1.515	1.126	1.145	1.719	3.384	9.185

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:02:13	4.956	4.777	2.912	4.145	-0.703	0.449	1.260	-0.697	3.393
2	07:03:22	5.135	5.093	3.331	3.304	-0.862	0.608	1.463	-0.854	5.155
3	07:04:30	4.803	4.787	3.360	4.663	-0.175	0.374	0.919	-0.174	3.798
x		4.965	4.886	3.201	4.038	-0.580	0.477	1.214	-0.575	4.115
σ		0.166	0.180	0.251	0.686	0.360	0.119	0.275	0.357	0.923
%RSD		3.347	3.676	7.837	17.000	62.080	25.040	22.650	62.000	22.430

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:02:13	2.665	0.769	0.878	1.002	0.773	0.009	98%	-2.992	0.004
2	07:03:22	3.144	0.767	1.175	0.789	0.930	0.004	98%	-1.828	0.004
3	07:04:30	2.877	0.779	1.119	0.868	0.854	0.004	97%	-1.462	0.011
x		2.895	0.772	1.057	0.886	0.853	0.006	97%	-2.094	0.006
σ		0.240	0.006	0.158	0.108	0.079	0.003	0%	0.799	0.004
%RSD		8.290	0.786	14.900	12.160	9.212	43.260	0	38.170	61.780

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:02:13	1.021	-3.011	0.011	-0.245	0.045	0.065	50.360	48.210	104%
2	07:03:22	0.365	-1.846	0.018	-0.081	0.012	-0.003	49.990	48.460	104%
3	07:04:30	0.335	-1.482	0.025	-0.142	0.086	0.011	49.880	50.940	104%
x		0.574	-2.113	0.018	-0.156	0.048	0.024	50.080	49.200	104%
σ		0.388	0.799	0.007	0.083	0.037	0.036	0.251	1.508	0%
%RSD		67.560	37.800	37.230	53.140	77.770	147.700	0.501	3.065	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:02:13	104%	0.005	0.006	1.623	1.370	1.463	103%	0.103
2	07:03:22	104%	0.010	0.019	1.468	1.387	1.412	103%	0.096
3	07:04:30	103%	-0.001	0.005	1.606	1.331	1.482	102%	0.107
x		103%	0.004	0.010	1.566	1.363	1.453	103%	0.102
σ		0%	0.005	0.007	0.085	0.029	0.037	1%	0.005
%RSD		0	123.500	74.960	5.412	2.136	2.516	1	5.289

C4463-11X25 MH3B92 11/18/2011 07:09:02 AM

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	07:10:10	86%	0.022	17.790	0.000	19380.000	788.200	760.400	733.700	76.930
2	07:11:18	86%	0.119	16.000	0.000	18970.000	779.600	753.800	718.600	75.920
3	07:12:26	86%	0.139	17.460	0.000	19350.000	789.800	756.600	745.100	78.830
x		86%	0.093	17.080	0.000	19230.000	785.900	756.900	732.500	77.220
σ		0%	0.062	0.955	0.000	224.500	5.485	3.282	13.290	1.479
%RSD		0	66.820	5.589	0.000	1.168	0.698	0.434	1.814	1.915
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:10:10	686.200	20.340	0.000	0.000	837.600	2389.000	2487.000	91%	4.298
2	07:11:18	665.100	16.370	0.000	0.000	814.100	2466.000	2491.000	92%	3.579
3	07:12:26	687.500	12.930	0.000	0.000	817.900	2429.000	2466.000	92%	3.907
x		679.600	16.550	0.000	0.000	823.200	2428.000	2481.000	91%	3.928
σ		12.550	3.707	0.000	0.000	12.600	38.410	13.640	1%	0.360
%RSD		1.847	22.400	0.000	0.000	1.531	1.582	0.550	1	9.175
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:10:10	1.143	1.974	56.400	1653.000	177.400	1736.000	1613.000	0.084	0.468
2	07:11:18	-0.452	2.197	57.390	1610.000	173.400	1709.000	1596.000	0.068	0.465
3	07:12:26	1.243	1.962	53.510	1619.000	172.800	1716.000	1592.000	0.071	0.413
x		0.645	2.045	55.770	1627.000	174.500	1720.000	1600.000	0.074	0.448
σ		0.951	0.132	2.018	22.660	2.488	13.760	11.400	0.009	0.031
%RSD		147.500	6.469	3.618	1.392	1.425	0.800	0.713	11.780	6.895
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:10:10	1.681	1.531	0.270	1.884	-0.857	0.372	1.084	-0.849	5.041
2	07:11:18	1.723	1.771	0.281	2.692	-0.224	0.246	1.654	-0.223	4.197
3	07:12:26	1.691	1.471	0.362	1.895	-0.904	0.357	1.521	-0.896	4.949
x		1.699	1.591	0.304	2.157	-0.662	0.325	1.419	-0.656	4.729
σ		0.022	0.159	0.050	0.463	0.379	0.069	0.298	0.376	0.463
%RSD		1.277	9.982	16.550	21.490	57.340	21.270	21.020	57.280	9.787
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:10:10	1.562	0.528	0.641	0.615	0.494	0.004	99%	-2.738	-0.003
2	07:11:18	1.793	0.537	0.575	0.537	0.435	0.013	99%	-1.828	-0.005
3	07:12:26	1.729	0.460	0.528	0.497	0.544	0.004	99%	-2.233	0.010
x		1.695	0.508	0.581	0.550	0.491	0.007	99%	-2.266	0.001
σ		0.119	0.042	0.057	0.060	0.055	0.005	0%	0.456	0.008
%RSD		7.030	8.357	9.795	10.860	11.200	68.980	0	20.120	973.700
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:10:10	0.773	-2.754	-0.006	-0.198	-0.052	0.018	8.434	7.287	104%
2	07:11:18	0.429	-1.845	0.013	-0.156	0.010	0.013	7.690	7.603	105%
3	07:12:26	0.546	-2.251	0.009	-0.174	-0.032	-0.015	7.939	7.886	105%
x		0.583	-2.284	0.005	-0.176	-0.025	0.006	8.021	7.592	105%
σ		0.175	0.455	0.010	0.021	0.032	0.018	0.378	0.299	1%
%RSD		29.990	19.940	200.400	12.160	127.200	320.800	4.718	3.946	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:10:10	104%	-0.007	-0.013	0.867	0.751	0.796	103%	0.011	
2	07:11:18	105%	-0.011	-0.011	0.768	0.646	0.724	104%	0.003	
3	07:12:26	105%	-0.005	-0.006	0.747	0.724	0.756	103%	0.003	
x		105%	-0.008	-0.010	0.794	0.707	0.759	104%	0.006	
σ		1%	0.003	0.004	0.064	0.055	0.036	1%	0.004	
%RSD		1	37.020	40.140	8.078	7.737	4.798	1	74.140	

Reviewed By jesvel
On 1/22/2014 1:16:48 PM
Rev Id P6

C4463-13X25 MH3B94 11/18/2011 07:16:59 AM

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	07:18:07	86%	0.097	2.492	0.000	2215.000	1095.000	1048.000	1012.000	9.889
2	07:19:15	88%	0.090	0.341	0.000	2198.000	1094.000	1034.000	1020.000	8.691
3	07:20:23	89%	0.009	1.339	0.000	2193.000	1079.000	1022.000	1007.000	8.606
x		88%	0.065	1.391	0.000	2202.000	1089.000	1035.000	1013.000	9.062
σ		1%	0.049	1.076	0.000	11.940	8.848	12.750	6.538	0.718
%RSD		2	74.950	77.400	0.000	0.542	0.812	1.232	0.646	7.918
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:07	366.300	-14.330	0.000	0.000	136.700	3101.000	2892.000	93%	0.270
2	07:19:15	364.300	-10.990	0.000	0.000	136.400	3026.000	2969.000	93%	0.272
3	07:20:23	357.900	-8.065	0.000	0.000	126.000	2895.000	2920.000	94%	0.329
x		362.800	-11.130	0.000	0.000	133.000	3007.000	2927.000	93%	0.290
σ		4.427	3.136	0.000	0.000	6.049	104.600	38.740	1%	0.033
%RSD		1.220	28.170	0.000	0.000	4.547	3.477	1.324	1	11.540
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:07	-0.528	0.002	43.090	19.730	0.554	23.690	13.570	-0.015	-0.149
2	07:19:15	-0.302	0.093	40.640	22.470	0.512	23.710	8.933	-0.001	-0.019
3	07:20:23	-0.303	0.050	39.970	26.750	0.771	25.110	2.623	0.007	-0.016
x		-0.378	0.048	41.230	22.990	0.612	24.170	8.374	-0.003	-0.061
σ		0.130	0.045	1.641	3.539	0.139	0.810	5.493	0.011	0.076
%RSD		34.530	93.470	3.981	15.390	22.710	3.351	65.600	360.600	124.200
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:07	0.164	0.035	0.522	0.399	1.169	0.201	0.886	1.158	-4.537
2	07:19:15	0.012	0.050	0.563	-0.016	-0.479	0.307	1.585	-0.474	3.282
3	07:20:23	0.011	0.047	0.486	0.110	0.900	0.235	1.453	0.892	-1.205
x		0.063	0.044	0.523	0.165	0.530	0.247	1.308	0.525	-0.820
σ		0.088	0.008	0.038	0.213	0.884	0.054	0.371	0.876	3.924
%RSD		140.700	17.440	7.322	129.200	166.700	21.870	28.360	166.700	478.700
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:07	0.086	-0.024	0.012	0.069	-0.010	0.009	100%	-3.249	-0.013
2	07:19:15	0.004	-0.030	0.042	0.058	0.001	0.000	101%	-2.175	-0.007
3	07:20:23	0.038	0.021	-0.000	0.068	0.001	0.013	101%	-4.233	-0.013
x		0.042	-0.011	0.018	0.065	-0.003	0.007	101%	-3.219	-0.011
σ		0.041	0.028	0.022	0.006	0.007	0.006	1%	1.029	0.004
%RSD		96.570	261.000	119.700	9.559	249.100	91.420	1	31.980	31.380
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:18:07	0.937	-3.267	-0.013	-0.233	-0.056	-0.031	6.144	6.322	106%
2	07:19:15	0.518	-2.191	-0.013	-0.170	-0.047	-0.061	6.172	6.146	107%
3	07:20:23	1.378	-4.249	-0.000	-0.299	-0.056	-0.054	6.693	5.779	106%
x		0.945	-3.235	-0.009	-0.234	-0.053	-0.049	6.336	6.083	106%
σ		0.430	1.029	0.007	0.065	0.005	0.016	0.309	0.277	0%
%RSD		45.550	31.810	83.720	27.790	9.959	32.770	4.882	4.555	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:18:07	106%	-0.018	-0.009	-0.024	0.001	-0.013	105%	0.046	
2	07:19:15	106%	-0.011	-0.012	0.002	0.023	-0.003	105%	0.049	
3	07:20:23	106%	-0.006	-0.009	0.012	0.017	0.006	106%	0.054	
x		106%	-0.011	-0.010	-0.003	0.014	-0.003	106%	0.050	
σ		0%	0.006	0.002	0.019	0.011	0.009	0%	0.004	
%RSD		0	52.250	20.850	551.700	81.070	303.200	0	8.752	

Reviewed By: jasmal
on 11/22/2011 7:36:48 AM
Inst Id: P6

CCV57 11/18/2011 07:24:56 AM

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	07:26:03	83%	509.500	509.900	0.000	55460.000	52070.000	50530.000	49580.000	9580.000
2	07:27:11	84%	499.700	498.400	0.000	54230.000	51230.000	50070.000	48950.000	9509.000
3	07:28:19	86%	490.400	507.800	0.000	54330.000	51020.000	49400.000	48400.000	9408.000
x		84%	499.900	505.400	0.000	54670.000	51440.000	50000.000	48980.000	9499.000
σ		2%	9.548	6.148	0.000	683.500	555.300	567.700	589.800	86.630
%RSD		2	1.910	1.217	0.000	1.250	1.080	1.135	1.204	0.912
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:26:03	456.100	9820.000	0.000	0.000	26020.000	52060.000	50870.000	89%	502.600
2	07:27:11	448.200	9799.000	0.000	0.000	25780.000	51800.000	51540.000	89%	495.900
3	07:28:19	446.100	9742.000	0.000	0.000	25890.000	52200.000	51240.000	89%	491.200
x		450.100	9787.000	0.000	0.000	25890.000	52020.000	51220.000	89%	496.600
σ		5.292	40.350	0.000	0.000	121.400	204.100	338.200	0%	5.719
%RSD		1.176	0.412	0.000	0.000	0.469	0.392	0.660	1	1.152
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:26:03	495.500	496.500	44.420	25570.000	1034.000	25780.000	25130.000	486.100	482.700
2	07:27:11	497.100	498.100	40.960	25530.000	1031.000	25720.000	25130.000	488.800	486.500
3	07:28:19	498.900	501.300	39.290	25520.000	1030.000	25760.000	25360.000	488.700	483.400
x		497.200	498.600	41.560	25540.000	1032.000	25760.000	25210.000	487.900	484.200
σ		1.723	2.451	2.618	27.940	1.932	29.570	129.300	1.549	2.015
%RSD		0.347	0.492	6.300	0.109	0.187	0.115	0.513	0.318	0.416
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:26:03	981.000	975.300	1044.000	497.900	482.400	-0.090	490.700	478.500	2.595
2	07:27:11	981.100	974.300	1055.000	508.800	502.000	-1.314	486.300	497.800	6.239
3	07:28:19	994.300	987.400	1036.000	509.500	499.600	-1.125	494.900	495.300	4.853
x		985.500	979.000	1045.000	505.400	494.700	-0.843	490.700	490.500	4.562
σ		7.618	7.258	9.477	6.533	10.730	0.659	4.275	10.520	1.839
%RSD		0.773	0.741	0.907	1.293	2.168	78.140	0.871	2.145	40.310
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:26:03	495.000	498.100	489.500	496.700	496.500	0.004	95%	508.600	504.500
2	07:27:11	498.200	501.600	496.200	499.700	494.800	0.009	95%	508.100	503.600
3	07:28:19	499.200	501.600	498.700	503.800	502.400	0.004	95%	508.700	506.300
x		497.400	500.400	494.800	500.100	497.900	0.006	95%	508.500	504.800
σ		2.204	2.019	4.719	3.583	3.962	0.003	0%	0.323	1.352
%RSD		0.443	0.404	0.954	0.717	0.796	43.260	0	0.064	0.268
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:26:03	7.137	508.100	504.600	517.100	510.300	517.500	2526.000	2519.000	104%
2	07:27:11	14.070	507.600	508.200	511.800	510.200	517.700	2517.000	2488.000	104%
3	07:28:19	14.510	508.200	505.800	516.700	515.000	522.900	2491.000	2502.000	103%
x		11.900	508.000	506.200	515.200	511.800	519.400	2511.000	2503.000	104%
σ		4.135	0.326	1.845	2.941	2.728	3.095	18.130	15.750	0%
%RSD		34.730	0.064	0.364	0.571	0.533	0.596	0.722	0.629	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:26:03	104%	504.300	510.400	507.700	504.900	504.300	101%	505.800	
2	07:27:11	103%	504.800	507.400	506.900	507.100	504.700	100%	503.500	
3	07:28:19	104%	502.500	507.900	507.300	508.300	506.400	100%	501.800	
x		104%	503.900	508.600	507.300	506.800	505.100	100%	503.700	
σ		0%	1.194	1.633	0.392	1.761	1.155	0%	2.000	
%RSD		0	0.237	0.321	0.077	0.347	0.229	0	0.397	

CCB57 11/18/2011 07:32:52 AM

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	07:34:01	88%	0.378	1.751	0.000	434.900	20.460	18.080	18.340	13.460
2	07:35:09	86%	0.349	8.513	0.000	427.900	19.130	18.870	14.750	14.540
3	07:36:17	86%	0.522	6.387	0.000	432.000	20.720	17.380	17.790	14.810
x		87%	0.416	5.551	0.000	431.600	20.100	18.110	16.960	14.270
σ		1%	0.093	3.458	0.000	3.509	0.851	0.745	1.936	0.714
%RSD		1	22.290	62.300	0.000	0.813	4.232	4.111	11.420	5.006
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:34:01	-0.444	-7.738	0.000	0.000	62.430	-0.163	6.477	91%	0.219
2	07:35:09	3.310	-4.723	0.000	0.000	48.220	19.920	-4.342	92%	0.391
3	07:36:17	1.050	-5.297	0.000	0.000	52.210	11.680	-0.526	92%	0.277
x		1.305	-5.919	0.000	0.000	54.290	10.480	0.536	92%	0.296
σ		1.890	1.601	0.000	0.000	7.331	10.100	5.487	1%	0.088
%RSD		144.800	27.040	0.000	0.000	13.500	96.340	1023.000	1	29.650
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:34:01	-0.081	0.121	31.400	9.179	0.483	-0.571	-11.700	0.157	0.029
2	07:35:09	0.589	0.112	29.350	11.980	0.482	-0.812	-15.850	0.160	-0.071
3	07:36:17	0.820	0.227	27.510	6.633	0.468	-0.001	-13.740	0.156	-0.035
x		0.442	0.153	29.420	9.265	0.478	-0.461	-13.760	0.158	-0.026
σ		0.468	0.064	1.944	2.677	0.009	0.417	2.077	0.002	0.051
%RSD		105.700	41.660	6.609	28.890	1.787	90.320	15.090	1.498	198.000
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:34:01	0.412	0.344	-0.043	0.267	-0.382	0.210	1.946	-0.379	4.245
2	07:35:09	0.428	0.413	-0.060	0.261	0.502	0.148	1.310	0.497	-1.048
3	07:36:17	0.445	0.189	0.275	0.197	0.447	0.191	2.207	0.442	3.021
x		0.428	0.316	0.057	0.242	0.189	0.183	1.821	0.187	2.073
σ		0.016	0.115	0.189	0.039	0.496	0.032	0.461	0.490	2.771
%RSD		3.802	36.330	329.200	16.040	261.900	17.390	25.340	262.500	133.700
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:34:01	0.424	0.418	0.440	0.526	0.462	0.009	100%	-3.220	0.233
2	07:35:09	0.237	0.429	0.439	0.566	0.317	0.000	100%	-2.807	0.147
3	07:36:17	0.326	0.335	0.429	0.335	0.425	0.000	101%	-2.337	0.170
x		0.329	0.394	0.436	0.476	0.401	0.003	100%	-2.788	0.183
σ		0.094	0.052	0.006	0.123	0.075	0.005	1%	0.442	0.045
%RSD		28.460	13.140	1.405	25.900	18.780	173.200	1	15.850	24.430
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:34:01	1.183	-3.237	0.237	-0.088	0.581	1.087	1.099	0.762	105%
2	07:35:09	0.933	-2.825	0.168	-0.051	0.439	0.697	0.686	0.556	105%
3	07:36:17	0.655	-2.352	0.201	-0.010	0.345	0.537	0.831	0.763	105%
x		0.924	-2.804	0.202	-0.050	0.455	0.774	0.872	0.694	105%
σ		0.264	0.443	0.035	0.039	0.119	0.283	0.209	0.120	0%
%RSD		28.600	15.780	17.170	78.630	26.070	36.530	24.010	17.230	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:34:01	105%	0.306	0.245	0.180	0.211	0.179	106%	0.137	
2	07:35:09	105%	0.182	0.186	0.120	0.157	0.145	106%	0.135	
3	07:36:17	105%	0.202	0.215	0.145	0.195	0.164	105%	0.132	
x		105%	0.230	0.215	0.148	0.188	0.163	106%	0.135	
σ		0%	0.067	0.029	0.030	0.028	0.017	0%	0.002	
%RSD		0	28.970	13.590	20.360	15.030	10.550	0	1.718	

Mass Uncorrected ICPS

S0 (S0) 11/17/2011 04:58:17 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	16:59:25	9470.326	8.333	7.813	317.191	196473.080	2054.835	260.940	321.879	13029.377
2	17:00:33	9288.957	11.979	14.063	307.816	195731.760	1976.699	264.065	320.316	13102.881
3	17:01:41	9337.426	11.979	4.688	360.942	196202.210	1745.419	204.689	268.753	12933.977
x		9365.569	10.764	8.854	328.650	196135.680	1925.651	243.231	303.649	13022.078
σ		93.903	2.105	4.774	28.356	375.112	160.901	33.415	30.231	84.688
%RSD		1.003	19.555	53.913	8.628	0.191	8.356	13.738	9.956	0.650

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	16:59:25	971.908	985.972	18411.857	149755.850	209983.560	20.313	862.526	73524.657	32.813
2	17:00:33	906.279	1053.164	18440.019	152257.080	210245.180	17.188	907.841	73562.351	31.250
3	17:01:41	1031.287	945.344	18427.502	151710.680	207938.350	40.625	881.277	73812.071	40.625
x		969.825	994.826	18426.459	151241.200	209389.030	26.042	883.882	73633.027	34.896
σ		62.530	54.453	14.110	1315.047	1263.120	12.726	22.770	156.199	5.023
%RSD		6.448	5.474	0.077	0.870	0.603	48.867	2.576	0.212	14.394

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	16:59:25	1431.322	550.011	490.633	3473.860	332.816	50373.029	2547.102	53.125	71.875
2	17:00:33	1337.563	539.073	507.822	3450.417	293.753	50136.261	2433.020	50.000	109.375
3	17:01:41	1318.811	515.634	528.135	3525.435	265.627	49651.761	2393.951	42.188	85.938
x		1362.565	534.906	508.863	3483.237	297.399	50053.684	2458.024	48.438	89.063
σ		60.279	17.563	18.772	38.378	33.743	367.657	79.579	5.634	18.944
%RSD		4.424	3.283	3.689	1.102	11.346	0.735	3.238	11.631	21.271

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	16:59:25	167.188	34.375	104.688	23.958	6.250	6.250	228.648	17.708	14.583
2	17:00:33	160.938	81.250	70.313	26.042	6.250	6.250	234.377	20.833	17.188
3	17:01:41	157.813	48.438	109.375	33.854	18.750	18.750	218.752	13.542	18.229
x		161.980	54.688	94.792	27.951	10.417	10.417	227.259	17.361	16.667
σ		4.774	24.054	21.329	5.217	7.217	7.217	7.905	3.658	1.878
%RSD		2.947	43.985	22.501	18.665	69.282	69.282	3.478	21.071	11.267

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	16:59:25	14.063	17.188	12.500	7.813	12.500	0.000	183605.160	139.063	14.063
2	17:00:33	20.313	6.250	10.938	1.563	9.375	3.125	185254.370	120.313	18.750
3	17:01:41	10.938	12.500	4.688	1.563	14.063	0.000	186664.740	137.501	10.938
x		15.104	11.979	9.375	3.646	11.979	1.042	185174.760	132.292	14.583
σ		4.774	5.487	4.134	3.608	2.387	1.804	1531.343	10.404	3.932
%RSD		31.604	45.807	44.096	98.974	19.924	173.205	0.827	7.864	26.964

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	16:59:25	1.563	1.563	20.313	7.813	60.938	109.375	14.063	40.625	433980.750
2	17:00:33	0.000	0.000	4.688	7.813	68.750	59.375	12.500	34.375	437461.080
3	17:01:41	0.000	0.000	12.500	0.000	42.188	43.750	7.813	18.750	442234.410
x		0.521	0.521	12.500	5.208	57.292	70.834	11.458	31.250	437892.080
σ		0.902	0.902	7.813	4.511	13.651	34.280	3.253	11.267	4143.677
%RSD		173.205	173.205	62.500	86.603	23.828	48.396	28.386	36.056	0.946

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	16:59:25	458228.370	37.500	126.563	85.938	51.563	190.626	448640.520	160.938
2	17:00:33	459714.040	51.563	103.125	71.875	68.750	154.688	452656.460	106.250
3	17:01:41	467335.120	31.250	54.688	76.563	57.813	148.438	459746.300	75.000
x		461759.180	40.104	94.792	78.125	59.375	164.584	453681.090	114.063
σ		4885.707	10.404	36.655	7.160	8.700	22.768	5623.346	43.499
%RSD		1.058	25.942	38.669	9.165	14.652	13.834	1.239	38.136

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:07:17	9090.391	53.125	42.188	323.441	329028.770	118443.670	16816.142	20452.130	19358.420
2	17:08:25	9059.122	40.625	31.250	385.943	330136.710	118178.990	16941.289	20192.386	19191.007
3	17:09:33	9276.448	43.750	39.063	395.318	329068.740	118440.520	16752.004	20071.903	19090.873
x̄		9141.987	45.833	37.500	368.234	329411.410	118354.400	16836.478	20238.806	19213.433
σ		117.492	6.505	5.634	39.074	628.448	151.911	96.268	194.317	135.176
%RSD		1.285	14.193	15.023	10.611	0.191	0.128	0.572	0.960	0.704

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:07:17	1306.310	926.593	18210.036	150115.840	382158.170	475.008	7475.393	72968.693	243.752
2	17:08:25	1334.437	984.409	18285.132	151729.630	383079.220	404.693	7453.506	73064.493	173.439
3	17:09:33	1325.061	962.532	18314.858	150286.370	382944.430	392.193	7405.044	73177.570	226.564
x̄		1321.936	957.845	18270.009	150710.620	382727.270	423.965	7444.648	73070.252	214.585
σ		14.322	29.192	54.022	886.604	497.448	44.644	36.002	104.557	36.656
%RSD		1.083	3.048	0.296	0.588	0.130	10.530	0.484	0.143	17.082

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:07:17	4585.111	1737.606	668.766	12741.617	1218.802	211272.670	6534.307	881.277	298.441
2	17:08:25	4397.552	1754.795	685.954	12710.339	1170.360	210923.820	6298.263	868.776	301.566
3	17:09:33	4567.918	1861.059	631.264	12954.308	1264.118	211321.830	6273.252	860.963	273.440
x̄		4516.860	1784.487	661.995	12802.088	1217.760	211172.780	6368.607	870.339	291.149
σ		103.681	66.868	27.967	132.751	46.888	216.994	144.044	10.247	15.416
%RSD		2.295	3.747	4.225	1.037	3.850	0.103	2.262	1.177	5.295

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:07:17	1068.790	517.197	381.255	79.688	32.813	32.813	366.151	65.625	14.583
2	17:08:25	1100.042	439.069	360.942	69.271	25.000	25.000	350.004	65.104	17.188
3	17:09:33	1084.416	493.759	390.630	73.438	45.313	45.313	361.984	61.979	9.375
x̄		1084.416	483.342	377.609	74.132	34.375	34.375	359.380	64.236	13.715
σ		15.626	40.092	15.176	5.243	10.246	10.246	8.382	1.972	3.978
%RSD		1.441	8.295	4.019	7.072	29.807	29.807	2.332	3.070	29.004

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:07:17	673.453	1184.424	1254.743	664.078	1803.239	0.000	182807.530	129.688	784.397
2	17:08:25	656.265	1196.925	1140.670	626.576	1903.252	1.563	183825.150	118.750	754.707
3	17:09:33	668.766	1103.168	1260.993	754.707	1867.310	0.000	183760.260	128.126	778.146
x̄		666.161	1161.506	1218.802	681.787	1857.933	0.521	183464.310	125.521	772.417
σ		8.885	50.907	67.736	65.876	50.661	0.902	569.717	5.916	15.652
%RSD		1.334	4.383	5.558	9.662	2.727	173.205	0.311	4.713	2.026

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:07:17	21.875	21.875	729.706	203.126	2240.801	1498.516	1326.624	2270.493	438859.250
2	17:08:25	18.750	18.750	703.142	179.689	2247.052	1411.007	1246.929	2468.963	438372.770
3	17:09:33	12.500	12.500	645.327	184.376	2307.999	1364.128	1325.061	2420.517	438081.220
x̄		17.708	17.708	692.725	189.064	2265.284	1424.550	1299.538	2386.658	438437.750
σ		4.774	4.774	43.143	12.402	37.124	68.210	45.567	103.477	393.063
%RSD		26.956	26.956	6.228	6.560	1.639	4.788	3.506	4.336	0.090

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:07:17	461546.730	1228.178	2837.782	1162.547	1064.102	2592.423	451913.160	5966.871
2	17:08:25	461285.370	1220.365	2870.601	1145.358	1095.355	2578.358	449947.870	5919.976
3	17:09:33	460130.250	1221.927	3078.457	1153.172	1054.726	2687.753	452164.680	6096.613
x̄		460987.450	1223.490	2928.947	1153.692	1071.394	2619.511	451341.900	5994.487
σ		753.774	4.134	130.515	8.606	21.273	59.516	1213.798	91.499
%RSD		0.164	0.338	4.456	0.746	1.986	2.272	0.269	1.526

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:15:08	9215.471	3695.791	628.139	346.879	3412880.900	2633175.700	380316.230	459584.990	708126.030
2	17:16:16	9152.931	3861.980	631.264	345.317	3463722.400	2671757.600	388857.220	470242.280	722495.970
3	17:17:24	8884.012	3873.442	626.576	359.380	3464803.900	2694236.000	387394.850	472392.760	723396.100
x̄		9084.138	3810.404	628.660	350.525	3447135.700	2666389.800	385522.770	467406.680	718006.030
σ		176.113	99.424	2.387	7.708	29670.453	30882.053	4567.897	6858.591	8568.165
%RSD		1.939	2.609	0.380	2.199	0.861	1.158	1.185	1.467	1.193

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:15:08	8468.134	38785.392	21614.777	146693.060	2288051.300	9980.047	167207.220	73044.077	5354.128
2	17:16:16	8536.925	39225.654	21979.395	146566.780	2317332.800	10214.588	169150.210	70916.208	5587.030
3	17:17:24	8690.142	39966.766	21658.593	146282.640	2340241.300	10447.569	170666.520	70203.325	5608.913
x̄		8565.067	39325.937	21750.922	146514.160	2315208.500	10214.068	169007.980	71387.870	5516.690
σ		113.648	597.038	199.073	210.212	26159.771	233.761	1734.029	1477.943	141.208
%RSD		1.327	1.518	0.915	0.143	1.130	2.289	1.026	2.070	2.560

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:15:08	81572.857	76551.431	9412.475	287771.090	216244.680	4712541.900	121662.740	96328.367	21638.250
2	17:16:16	84623.336	78320.356	9531.304	296795.110	220878.840	4845067.900	124866.770	98941.447	22068.595
3	17:17:24	83982.069	78541.880	9662.642	296275.110	222340.310	4870673.100	126455.660	99562.930	22600.676
x̄		83392.754	77804.556	9535.473	293613.770	219821.280	4809427.600	124328.390	98277.581	22102.507
σ		1608.361	1090.875	125.136	5066.585	3182.452	84876.640	2441.393	1716.432	482.108
%RSD		1.929	1.402	1.312	1.726	1.448	1.765	1.964	1.747	2.181

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:15:08	109382.790	52438.253	36601.516	15854.626	984.409	984.409	3157.120	1209.426	19.271
2	17:16:16	110166.900	53489.013	37206.200	16319.733	929.718	929.718	3151.389	1288.600	15.104
3	17:17:24	111352.610	53347.862	37668.346	16454.784	1021.912	1021.912	3222.238	1318.811	13.021
x̄		110300.770	53091.709	37158.687	16209.714	978.679	978.679	3176.916	1272.279	15.799
σ		991.708	570.293	535.000	314.842	46.363	46.363	39.355	56.489	3.182
%RSD		0.899	1.074	1.440	1.942	4.737	4.737	1.239	4.440	20.143

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:15:08	16026.172	28271.697	30189.678	17840.821	46237.205	0.000	183230.080	1837.618	89271.812
2	17:16:16	16556.464	28935.525	31157.378	18266.358	46926.948	0.000	178862.750	1890.750	90528.118
3	17:17:24	16348.412	28991.889	31138.587	18011.347	47238.912	1.563	177081.390	1836.056	90619.319
x̄		16310.349	28733.037	30828.548	18039.509	46801.022	0.521	179724.740	1854.808	90139.750
σ		267.187	400.524	553.357	214.162	512.589	0.902	3163.678	31.137	753.038
%RSD		1.638	1.394	1.795	1.187	1.095	173.205	1.760	1.679	0.835

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:15:08	1359.440	1359.440	86783.110	20619.558	55907.622	83321.970	80400.614	143372.100	442919.210
2	17:16:16	1307.872	1307.872	88292.316	20758.822	57912.460	86004.988	82025.437	146012.710	433848.700
3	17:17:24	1404.757	1404.757	88833.153	21204.788	57269.250	86937.168	82726.336	146066.380	431700.700
x̄		1357.356	1357.356	87969.526	20861.056	57029.777	85421.375	81717.462	145150.400	436156.200
σ		48.476	48.476	1062.456	305.717	1023.647	1876.930	1193.056	1540.281	5954.589
%RSD		3.571	3.571	1.208	1.465	1.795	2.197	1.460	1.061	1.365

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:15:08	468150.230	162952.220	395257.450	131461.480	124696.550	293404.260	453285.310	723923.390
2	17:16:16	456721.890	165228.140	400686.850	133346.010	126728.370	300118.150	443098.060	741926.750
3	17:17:24	453219.190	166151.260	402344.990	134230.800	126452.500	300604.780	441423.980	744622.660
x̄		459363.770	164777.210	399429.760	133012.760	125959.140	298042.400	445935.780	736824.270
σ		7808.238	1646.499	3707.223	1414.418	1102.105	4024.108	6419.678	11253.507
%RSD		1.700	0.999	0.928	1.063	0.875	1.350	1.440	1.527

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:22:59	8819.909	7549.390	1118.794	398.443	6509646.300	5118392.300	749917.240	904103.450	1371933.700
2	17:24:07	9160.749	7381.594	1146.921	342.192	6460456.700	5113603.000	746144.370	901314.950	1378242.000
3	17:25:15	8944.987	7536.883	1346.939	359.380	6461223.600	5100960.300	747185.800	902121.350	1379625.800
x		8975.215	7489.289	1204.218	366.671	6477108.800	5110985.200	747749.140	902513.250	1376600.500
σ		172.419	93.476	124.397	28.826	28180.883	9006.041	1948.500	1434.967	4100.339
%RSD		1.921	1.248	10.330	7.862	0.435	0.176	0.261	0.159	0.298

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:22:59	15586.623	75976.499	24445.898	143088.030	4276401.200	19654.136	324501.980	68912.689	10619.571
2	17:24:07	15586.623	75923.091	25123.635	142210.580	4272683.700	19680.735	325542.440	68945.660	10732.155
3	17:25:15	15768.072	75960.791	24530.418	142220.050	4236256.900	19544.611	322736.080	69218.851	10305.278
x		15647.106	75953.461	24699.984	142506.220	4261780.600	19626.494	324260.170	69025.733	10552.335
σ		104.760	27.448	369.319	503.883	22182.184	72.149	1418.720	168.056	221.238
%RSD		0.670	0.036	1.495	0.354	0.520	0.368	0.438	0.243	2.097

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:22:59	161198.120	149394.280	18277.310	564111.170	425369.660	9175759.200	238186.420	190388.400	42093.173
2	17:24:07	160782.540	150073.210	18117.732	564202.160	426938.890	9188173.500	239743.390	189930.800	41922.359
3	17:25:15	160487.050	149206.390	18186.569	563510.000	424809.610	9146189.900	237344.450	189463.730	42173.096
x		160822.570	149557.960	18193.870	563941.110	425706.050	9170040.900	238424.750	189927.640	42062.876
σ		357.218	456.003	80.039	376.112	1103.775	21568.000	1217.098	462.344	128.084
%RSD		0.222	0.305	0.440	0.067	0.259	0.235	0.510	0.243	0.305

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:22:59	211778.520	101128.560	71363.741	31676.225	1803.239	1803.239	5943.424	2481.986	15.104
2	17:24:07	212422.350	101915.370	71636.978	31519.108	1790.737	1790.737	6032.002	2473.131	17.708
3	17:25:15	210275.310	102022.380	70682.240	31242.459	1800.113	1800.113	5992.923	2426.248	13.021
x		211492.060	101688.770	71227.653	31479.264	1798.030	1798.030	5989.450	2460.455	15.278
σ		1101.812	488.099	491.702	219.611	6.506	6.506	44.391	29.953	2.349
%RSD		0.521	0.480	0.690	0.698	0.362	0.362	0.741	1.217	15.372

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:22:59	31268.558	55302.147	59291.537	35060.157	90397.608	0.000	172798.160	3614.520	173568.350
2	17:24:07	31235.674	54624.548	60038.397	35013.167	90856.757	3.125	173365.920	3602.017	173713.860
3	17:25:15	31223.146	54731.205	59506.491	34988.106	91146.092	3.125	174680.220	3580.136	174480.930
x		31242.459	54885.967	59612.142	35020.477	90800.153	2.083	173614.770	3598.891	173921.050
σ		23.454	364.347	384.475	36.578	377.439	1.804	965.391	17.404	490.302
%RSD		0.075	0.664	0.645	0.104	0.416	86.603	0.556	0.484	0.282

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:22:59	2678.376	2678.376	169630.860	39742.705	110357.430	166345.690	158993.930	282925.740	427231.830
2	17:24:07	2748.702	2748.702	169947.080	40955.498	111267.570	167687.800	158301.940	283268.360	427470.050
3	17:25:15	2629.930	2629.930	170157.370	40513.616	111229.780	167689.390	157085.490	281800.700	423610.730
x		2685.669	2685.669	169911.770	40403.940	110951.590	167240.960	158127.120	282664.930	426104.200
σ		59.721	59.721	265.029	613.790	514.909	775.328	966.155	767.804	2162.692
%RSD		2.224	2.224	0.156	1.519	0.464	0.464	0.611	0.272	0.508

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:22:59	452103.410	320809.020	784167.550	259249.970	242986.560	581518.390	437026.200	1439120.700
2	17:24:07	450473.430	320444.730	787504.760	261251.560	243735.090	582741.760	435069.370	1447808.100
3	17:25:15	448642.130	323233.070	782270.810	260358.920	244776.100	583483.640	435178.880	1459552.100
x		450406.320	321495.610	784647.710	260286.820	243832.580	582581.260	435758.150	1448827.000
σ		1731.616	1515.669	2649.804	1002.745	898.744	992.406	1099.525	10253.734
%RSD		0.384	0.471	0.338	0.385	0.369	0.170	0.252	0.708

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:30:51	8787.077	14493.807	2348.631	453.132	12468565.000	9932247.900	1454754.000	1759288.700	2503816.300
2	17:31:59	8752.681	14571.490	2323.627	404.693	12350178.000	9991808.300	1453746.200	1749586.000	2516311.600
3	17:33:07	8860.560	14452.620	2339.254	389.068	12369389.000	9967465.600	1460893.400	1767119.500	2500747.500
x		8800.105	14505.972	2337.170	415.631	12396044.000	9963840.600	1456464.600	1758664.700	2506958.500
σ		55.107	60.362	12.632	33.403	63535.436	29945.182	3868.479	8783.351	8244.106
%RSD		0.626	0.416	0.540	8.037	0.513	0.301	0.266	0.499	0.329

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:30:51	29818.588	146371.030	31353.118	139187.270	8088082.000	37981.674	630066.520	68601.823	20754.127
2	17:31:59	30422.985	146168.980	31562.954	140790.370	8032983.100	37906.475	626549.600	68504.482	20406.752
3	17:33:07	30707.969	146702.530	31312.404	141150.140	8126584.800	37956.608	631987.710	68253.284	21027.965
x		30316.514	146414.180	31409.492	140375.930	8082549.900	37948.252	629534.610	68453.196	20729.615
σ		454.150	269.381	134.452	1045.004	47045.393	38.290	2757.796	179.840	311.331
%RSD		1.498	0.184	0.428	0.744	0.582	0.101	0.438	0.263	1.502

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:30:51	312916.520	294252.700	35039.795	1100428.300	832249.990	17947156.000	464633.480	374211.270	81987.721
2	17:31:59	313012.340	291476.330	35036.662	1099697.000	830112.070	17874063.000	462939.160	370443.070	80958.439
3	17:33:07	313662.300	292115.760	34825.209	1095365.200	830406.600	17891620.000	463531.340	370402.990	81272.716
x		313197.050	292614.930	34967.222	1098496.900	830922.890	17904280.000	463701.320	371685.770	81406.292
σ		405.754	1453.937	122.997	2736.598	1158.700	38155.523	859.855	2187.233	527.482
%RSD		0.130	0.497	0.352	0.249	0.139	0.213	0.185	0.588	0.648

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:30:51	406994.250	198122.190	139084.720	61486.725	3351.956	3351.956	11474.919	4743.496	13.021
2	17:31:59	406881.740	196663.170	137667.970	61300.511	3408.219	3408.219	11445.729	4652.841	20.833
3	17:33:07	409006.770	198740.050	138013.470	62098.216	3519.183	3519.183	11600.541	4720.572	17.188
x		407627.590	197841.800	138255.380	61628.484	3426.453	3426.453	11507.063	4705.636	17.014
σ		1195.732	1066.453	738.707	417.319	85.092	85.092	82.260	47.137	3.909
%RSD		0.293	0.539	0.534	0.677	2.483	2.483	0.715	1.002	22.976

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:30:51	61610.695	107704.480	116176.730	68331.783	177393.030	1.563	168509.890	6801.619	335448.960
2	17:31:59	60957.903	108280.690	116696.570	68253.284	176019.950	0.000	169143.880	7078.316	335872.810
3	17:33:07	62210.159	108608.160	116435.070	68918.969	177211.110	1.563	168759.690	6931.369	334841.200
x		61592.919	108197.780	116436.130	68501.345	176874.700	1.042	168804.490	6937.101	335387.650
σ		626.317	457.509	259.920	363.796	745.798	0.902	319.360	138.437	518.530
%RSD		1.017	0.423	0.223	0.531	0.422	86.603	0.189	1.996	0.155

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:30:51	5144.676	5144.676	328720.230	78703.704	214920.230	328294.990	310847.070	552894.560	420133.720
2	17:31:59	5204.073	5204.073	327241.540	77627.527	215686.330	325441.750	309204.180	548927.120	415472.190
3	17:33:07	5024.321	5024.321	328207.070	78623.577	214119.270	324717.740	305727.410	550897.720	416879.500
x		5124.357	5124.357	328056.280	78318.269	214908.610	326151.490	308592.890	550906.470	417495.140
σ		91.582	91.582	750.786	599.540	783.595	1891.293	2613.997	1983.732	2390.964
%RSD		1.787	1.787	0.229	0.766	0.365	0.580	0.847	0.360	0.573

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:30:51	443836.080	629495.270	1530573.900	505409.970	475126.530	1136384.700	424902.950	2829492.900
2	17:31:59	440146.390	632199.920	1532207.800	504667.210	476999.930	1128067.400	421084.540	2810872.500
3	17:33:07	437453.030	625059.870	1525796.500	502602.550	476741.520	1124957.800	423379.010	2820917.400
x		440478.500	628918.350	1529526.100	504226.580	476289.330	1129803.300	423122.170	2820427.600
σ		3204.457	3604.819	3331.658	1454.656	1015.268	5907.900	1922.119	9319.847
%RSD		0.727	0.573	0.218	0.288	0.213	0.523	0.454	0.330

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	17:38:44	8444.683	28347.890	4688.269	468.758	24378547.000	19833965.000	2819827.400	3412148.300	4958722.800
2	17:39:52	8622.914	28885.423	4719.530	492.196	24474341.000	19840179.000	2834896.600	3401057.900	4956819.900
3	17:41:00	8693.269	28700.155	4741.412	473.445	24522478.000	19991464.000	2846290.300	3428778.500	5004436.200
x		8586.955	28644.489	4716.403	478.133	24458455.000	19888536.000	2833671.400	3413994.900	4973326.300
σ		128.135	273.056	26.709	12.402	73268.667	89192.337	13273.911	13952.206	26958.758
%RSD		1.492	0.953	0.566	2.594	0.300	0.448	0.468	0.409	0.542

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	17:38:44	59068.742	291572.000	44937.756	140004.570	15922750.000	75392.166	1260863.900	67948.713	40941.395
2	17:39:52	60094.884	292742.450	44647.786	140623.110	16029267.000	76906.455	1265695.700	67248.536	41350.383
3	17:41:00	59661.824	294700.860	44724.588	139442.870	16214382.000	77101.251	1282904.100	68859.307	41383.291
x		59608.483	293005.100	44770.043	140023.520	16055466.000	76466.624	1269821.300	68018.852	41225.023
σ		515.146	1580.876	150.234	590.345	147570.520	935.592	11584.793	807.673	246.179
%RSD		0.864	0.540	0.336	0.422	0.919	1.224	0.912	1.187	0.597

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	17:38:44	623025.390	579106.120	68901.698	2166714.900	1643217.600	35384382.000	914766.830	737725.140	162057.760
2	17:39:52	628124.360	586588.230	69815.494	2192684.800	1657855.700	35634823.000	920988.750	737767.890	162092.530
3	17:41:00	634794.050	587253.810	69923.834	2202607.900	1668352.100	35920097.000	928497.500	742097.800	164121.750
x		628647.930	584316.050	69547.009	2187335.900	1656475.100	35646434.000	921417.690	739196.940	162757.350
σ		5901.779	4524.193	561.474	18534.687	12623.970	268046.250	6875.378	2512.307	1181.736
%RSD		0.939	0.774	0.807	0.847	0.762	0.752	0.746	0.340	0.726

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	17:38:44	807844.630	389648.670	273270.170	122587.790	7062.683	7062.683	22678.925	9495.342	19.271
2	17:39:52	809092.020	391870.720	275037.990	123634.250	7070.499	7070.499	22723.266	9521.922	15.625
3	17:41:00	818570.720	394316.340	278109.090	124502.150	6973.577	6973.577	23110.866	9557.363	14.583
x		811835.790	391945.250	275472.420	123574.730	7035.586	7035.586	22837.686	9524.876	16.493
σ		5865.871	2334.729	2448.539	958.570	53.844	53.844	237.618	31.116	2.461
%RSD		0.723	0.596	0.889	0.776	0.765	0.765	1.040	0.327	14.924

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	17:38:44	122841.520	215507.100	232404.860	137458.150	356546.100	1.563	163522.750	13288.991	663297.800
2	17:39:52	123244.970	217586.700	233989.790	135970.580	353620.020	4.688	165343.530	13471.974	664652.380
3	17:41:00	125199.350	219112.890	235535.190	138246.960	356240.170	1.563	165602.760	13389.084	664987.770
x		123761.950	217402.230	233976.610	137225.230	355468.760	2.604	164823.010	13383.350	664312.650
σ		1261.070	1809.961	1565.208	1155.926	1608.352	1.804	1133.494	91.627	894.742
%RSD		1.019	0.833	0.669	0.842	0.452	69.282	0.688	0.685	0.135

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	17:38:44	9990.993	9990.993	645970.910	153479.430	426377.170	650669.280	616419.770	1103519.300	412749.640
2	17:39:52	10234.915	10234.915	650948.770	154832.980	434236.790	652871.080	618039.090	1099023.000	414606.970
3	17:41:00	10000.374	10000.374	652655.300	155944.980	433067.720	659882.460	620591.560	1108976.300	416380.900
x		10075.427	10075.427	649858.330	154752.460	431227.230	654474.270	618350.140	1103839.500	414579.170
σ		138.200	138.200	3473.050	1234.745	4240.754	4811.273	2103.219	4984.405	1815.786
%RSD		1.372	1.372	0.534	0.798	0.983	0.735	0.340	0.452	0.438

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	17:38:44	440413.820	1238189.500	2991825.900	996852.790	943449.770	2235654.400	412892.750	5573595.600
2	17:39:52	438611.180	1241472.600	3022078.700	1001683.100	948946.530	2250652.200	412358.910	5621119.700
3	17:41:00	439891.850	1248672.200	3041426.900	1009030.400	951151.810	2268147.500	419729.920	5664344.400
x		439638.950	1242778.100	3018443.800	1002522.100	947849.370	2251484.700	414993.860	5619686.600
σ		927.551	5361.908	24999.469	6131.980	3966.503	16262.535	4110.221	45391.366
%RSD		0.211	0.431	0.828	0.612	0.418	0.722	0.990	0.808

Reviewed By: [illegible] 11/22/2011 1:10:16 PM

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:14:22	8804.275	2910.192	2542.414	346.879	716541.400	258491.090	36394.739	43566.330	152817.700
2	18:15:30	8607.280	2899.253	2364.258	364.067	710851.840	255061.510	35863.711	43166.682	150744.290
3	18:16:38	8863.686	2818.507	2376.760	407.818	703743.810	253329.540	35542.597	43216.833	150186.900
x̄		8758.414	2875.984	2427.811	372.922	710379.010	255627.380	35933.682	43316.615	151249.630
σ		134.215	50.076	99.446	31.420	6411.882	2626.889	430.358	217.708	1386.295
%RSD		1.532	1.741	4.096	8.425	0.903	1.028	1.198	0.503	0.917

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:14:22	30153.665	909.404	17928.430	144997.760	870848.740	1628.218	27423.171	70661.827	20334.775
2	18:15:30	30272.666	806.273	17937.817	143965.530	864034.320	1661.034	26283.532	70000.772	19760.532
3	18:16:38	30106.691	884.402	17604.591	144461.120	860145.810	1559.460	26519.905	70476.540	19874.753
x̄		30177.674	866.693	17823.613	144474.800	865009.620	1616.237	26742.203	70379.713	19990.020
σ		85.553	53.798	189.737	516.254	5417.711	51.836	601.462	340.999	303.979
%RSD		0.283	6.207	1.065	0.357	0.626	3.207	2.249	0.485	1.521

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:14:22	64915.908	59406.074	7694.259	49505.943	85489.407	814833.050	21300.243	77575.684	17196.281
2	18:15:30	64190.768	59784.209	7462.886	48820.779	84797.804	806076.980	21037.354	76281.242	17177.509
3	18:16:38	63806.238	58803.589	7494.153	48000.820	84890.539	800615.140	20810.459	76405.340	16975.705
x̄		64304.305	59331.291	7550.433	48775.848	85059.250	807175.060	21049.352	76754.089	17116.498
σ		563.480	494.569	125.534	753.567	375.402	7172.281	245.112	714.223	122.291
%RSD		0.876	0.834	1.663	1.545	0.441	0.889	1.164	0.931	0.714

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:14:22	43453.487	21154.714	29408.364	25380.338	1431.322	1431.322	4812.790	1915.233	15.625
2	18:15:30	43978.527	20826.107	29098.355	25204.506	1362.565	1362.565	4974.303	1941.799	20.833
3	18:16:38	42220.109	20387.976	28769.565	24965.024	1421.946	1421.946	4831.025	1937.111	18.229
x̄		43217.374	20789.599	29092.094	25183.290	1405.278	1405.278	4872.706	1931.381	18.229
σ		902.674	384.671	319.445	208.468	37.286	37.286	88.457	14.180	2.604
%RSD		2.089	1.850	1.098	0.828	2.653	2.653	1.815	0.734	14.286

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:14:22	63374.636	109960.640	118596.490	69817.064	179971.860	3.125	176839.360	1548.521	70862.819
2	18:15:30	62513.040	110034.640	118108.100	69283.224	179924.390	1.563	177086.130	1518.831	70617.861
3	18:16:38	62861.438	109666.200	116261.800	68787.085	177794.860	0.000	178646.000	1464.138	70025.895
x̄		62916.371	109887.160	117655.460	69295.791	179230.370	1.563	177523.830	1510.497	70502.191
σ		433.417	194.902	1231.407	515.104	1243.419	1.563	979.630	42.805	430.285
%RSD		0.689	0.177	1.047	0.743	0.694	100.000	0.552	2.834	0.610

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:14:22	1096.917	1096.917	68962.930	16274.890	222827.500	131314.830	12815.120	22539.642	427635.840
2	18:15:30	1164.110	1164.110	69557.992	16401.598	221515.140	131705.900	12727.542	22694.575	425633.600
3	18:16:38	1218.802	1218.802	69025.732	16318.690	219112.890	130201.580	12553.951	22569.377	430060.130
x̄		1159.943	1159.943	69182.218	16331.726	221151.840	131074.100	12698.871	22601.198	427776.520
σ		61.049	61.049	326.941	64.352	1883.765	780.516	132.924	82.222	2216.615
%RSD		5.263	5.263	0.473	0.394	0.852	0.595	1.047	0.364	0.518

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:14:22	451069.940	265712.400	641590.940	216937.880	193401.910	471128.590	440644.200	110.938
2	18:15:30	451226.330	266481.210	644343.580	215626.060	191248.210	473175.860	441296.700	71.875
3	18:16:38	452948.300	263068.830	635798.200	215767.230	190462.820	467996.890	443270.480	79.688
x̄		451748.190	265087.480	640577.580	216110.390	191704.310	470767.110	441737.130	87.500
σ		1042.266	1789.964	4361.889	720.098	1521.707	2608.342	1367.412	20.670
%RSD		0.231	0.675	0.681	0.333	0.794	0.554	0.310	23.623

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:22:16	9054.431	11.979	56.250	317.191	201638.050	3139.407	440.632	418.756	13762.876
2	18:23:24	9041.923	17.708	26.563	301.566	203683.960	3008.129	439.069	443.757	13867.665
3	18:24:32	8970.003	14.063	39.063	301.566	202089.680	3184.730	443.757	496.884	13778.516
x		9022.119	14.583	40.625	306.774	202470.570	3110.756	441.153	453.132	13803.019
σ		45.565	2.900	14.905	9.021	1074.819	91.721	2.387	39.899	56.528
%RSD		0.505	19.885	36.690	2.941	0.531	2.948	0.541	8.805	0.410

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:22:16	993.785	934.406	17987.880	144871.490	208068.340	21.875	846.900	70341.502	60.938
2	18:23:24	1068.790	904.716	18493.212	145092.470	208792.860	34.375	851.588	70187.623	70.313
3	18:24:32	1018.786	953.157	18400.906	145395.520	208228.460	17.188	845.338	71189.437	67.188
x		1027.120	930.760	18293.999	145119.830	208363.220	24.479	847.942	70572.854	66.146
σ		38.191	24.425	269.095	263.086	380.594	8.885	3.253	539.491	4.774
%RSD		3.718	2.624	1.471	0.181	0.183	36.295	0.384	0.764	7.217

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:22:16	1436.010	651.577	512.509	3564.507	409.381	46883.055	2537.725	128.126	96.875
2	18:23:24	1334.437	626.576	440.632	3434.788	454.695	46915.975	2522.098	153.126	95.313
3	18:24:32	1325.061	612.513	439.069	3533.249	507.822	47107.228	2551.790	162.501	95.313
x		1365.170	630.222	464.070	3510.848	457.299	46968.753	2537.205	147.917	95.834
σ		61.528	19.786	41.957	67.699	49.272	121.048	14.853	17.770	0.902
%RSD		4.507	3.139	9.041	1.928	10.775	0.258	0.585	12.013	0.941

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:22:16	204.689	87.500	81.250	44.792	10.938	10.938	207.814	15.104	10.938
2	18:23:24	203.126	98.438	73.438	47.396	7.813	7.813	245.835	17.708	16.667
3	18:24:32	251.565	132.813	103.125	60.417	7.813	7.813	225.523	19.271	11.458
x		219.793	106.250	85.938	50.868	8.854	8.854	226.391	17.361	13.021
σ		27.526	23.645	15.389	8.371	1.804	1.804	19.026	2.105	3.168
%RSD		12.524	22.254	17.907	16.457	20.377	20.377	8.404	12.124	24.331

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:22:16	90.625	200.001	195.314	120.313	340.629	0.000	177649.310	106.250	87.500
2	18:23:24	81.250	153.126	128.126	98.438	250.002	0.000	176923.200	112.500	76.563
3	18:24:32	93.750	162.501	170.314	118.750	298.441	0.000	180126.920	101.563	159.376
x		88.542	171.876	164.584	112.500	296.357	0.000	178233.140	106.771	107.813
σ		6.505	24.804	33.959	12.204	45.349	0.000	1679.765	5.487	44.988
%RSD		7.347	14.431	20.633	10.848	15.302	0.000	0.942	5.139	41.728

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:22:16	1.563	1.563	107.813	15.625	564.074	784.397	68.750	96.875	429395.260
2	18:23:24	0.000	0.000	112.500	18.750	493.759	593.762	37.500	79.688	426777.930
3	18:24:32	1.563	1.563	114.063	21.875	507.822	565.636	59.375	79.688	434228.740
x		1.042	1.042	111.459	18.750	521.885	647.932	55.208	85.417	430133.980
σ		0.902	0.902	3.253	3.125	37.207	119.016	16.036	9.923	3779.935
%RSD		86.603	86.603	2.918	16.667	7.129	18.369	29.047	11.617	0.879

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:22:16	454994.630	264.065	739.082	296.878	259.377	628.139	444906.100	368.755
2	18:23:24	451095.730	315.628	759.395	251.565	214.064	635.952	446956.120	315.628
3	18:24:32	455891.290	460.945	948.469	379.693	323.441	756.270	446867.480	364.067
x		453993.880	346.879	815.649	309.378	265.628	673.453	446243.230	349.483
σ		2549.600	102.093	115.473	64.972	54.956	71.828	1158.840	29.413
%RSD		0.562	29.432	14.157	21.001	20.689	10.666	0.260	8.416

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:30:10	8594.772	22.396	37.500	2381.449	24065456.000	19350068.000	2739833.400	3282738.700	23685434.000
2	18:31:18	8513.474	18.750	28.125	2270.493	24130593.000	19432481.000	2740330.700	3278158.600	23590674.000
3	18:32:25	8783.950	17.708	34.375	2390.825	24473033.000	19603266.000	2762696.600	3311953.200	23831076.000
x̄		8630.732	19.618	33.333	2347.589	24223027.000	19461938.000	2747620.200	3290950.200	23702395.000
σ		138.777	2.461	4.774	66.931	218947.070	129143.890	13058.866	18332.752	121095.330
%RSD		1.608	12.546	14.321	2.851	0.904	0.664	0.475	0.557	0.511

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:30:10	2909.671	1404958.100	148446.980	301881.280	30646004.000	74388.487	1232375.400	66823.109	83001.362
2	18:31:18	2803.400	1400653.700	146355.250	302861.070	30521323.000	75145.559	1225125.800	66926.718	83840.616
3	18:32:25	2850.284	1408112.800	148464.350	305788.070	30768067.000	75736.166	1237373.100	67669.266	84997.422
x̄		2854.452	1404574.900	147755.520	303510.140	30645131.000	75090.071	1231624.800	67139.698	83946.467
σ		53.258	3744.297	1212.705	2032.661	123374.220	675.551	6158.057	461.536	1002.231
%RSD		1.866	0.267	0.821	0.670	0.403	0.900	0.500	0.687	1.194

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:30:10	14860.851	12097.307	6312.332	3944668.100	6800.056	67966479.000	1744770.400	915.654	995.347
2	18:31:18	16240.476	11948.745	6742.216	3983935.400	6756.285	67993812.000	1763089.100	920.342	1065.665
3	18:32:25	17006.992	12353.777	7031.418	4006216.500	6878.218	69117363.000	1774767.400	1010.973	1057.852
x̄		16036.106	12133.276	6695.322	3978273.300	6811.519	68359218.000	1760875.600	948.990	1039.621
σ		1087.569	204.898	361.829	31162.424	61.770	656715.300	15120.481	53.730	38.541
%RSD		6.782	1.689	5.404	0.783	0.907	0.961	0.859	5.662	3.707

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:30:10	3451.980	1725.104	1764.171	219.273	60.938	60.938	228.127	16.146	14.063
2	18:31:18	3341.016	1670.410	1900.126	247.398	68.750	68.750	230.210	14.063	18.750
3	18:32:25	3356.644	1748.545	1754.795	227.606	57.813	57.813	211.981	15.104	16.146
x̄		3383.213	1714.686	1806.364	231.425	62.500	62.500	223.439	15.104	16.319
σ		60.064	40.095	81.336	14.447	5.634	5.634	9.978	1.042	2.349
%RSD		1.775	2.338	4.503	6.242	9.014	9.014	4.466	6.897	14.391

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:30:10	243655.620	430475.490	464562.470	270596.560	706142.300	10.938	165972.640	84.375	68.750
2	18:31:18	246305.170	430100.380	464217.140	272184.100	706129.180	7.813	166276.130	93.750	65.625
3	18:32:25	246863.120	434138.560	468111.490	274448.690	711708.580	1.563	167439.610	106.250	70.313
x̄		245607.970	431571.480	465630.370	272409.780	707993.350	6.771	166562.790	94.792	68.229
σ		1713.641	2231.058	2155.640	1935.958	3217.486	4.774	774.358	10.975	2.387
%RSD		0.698	0.517	0.463	0.711	0.454	70.501	0.465	11.578	3.498

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:30:10	367.192	367.192	57.813	473.445	314.066	1081.291	157.813	292.190	423309.820
2	18:31:18	326.566	326.566	64.063	406.256	281.253	978.158	159.376	321.879	422996.040
3	18:32:25	367.192	367.192	42.188	412.506	287.503	967.220	209.377	317.191	426116.430
x̄		353.650	353.650	54.688	430.736	294.274	1008.890	175.522	310.420	424140.760
σ		23.455	23.455	11.267	37.119	17.423	62.939	29.329	15.960	1718.159
%RSD		6.632	6.632	20.603	8.618	5.921	6.238	16.710	5.142	0.405

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:30:10	444382.360	290.628	754.707	4947.732	3984.931	10061.354	418512.150	132.813
2	18:31:18	447745.910	246.877	521.885	5071.212	3895.844	10139.535	422405.510	129.688
3	18:32:25	447513.810	187.501	468.758	4921.160	3992.745	9995.683	423736.240	104.688
x̄		446547.360	241.669	581.783	4980.035	3957.840	10065.524	421551.300	122.396
σ		1878.534	51.760	152.094	80.072	53.832	72.016	2714.784	15.415
%RSD		0.421	21.418	26.143	1.608	1.360	0.715	0.644	12.595

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:38:04	8752.681	601.575	14.063	2540.851	24724654.000	19615137.000	2772868.800	3330033.700	23855341.000
2	18:39:12	8855.869	602.617	31.250	2479.903	24585905.000	19622337.000	2765323.400	3325202.800	23712514.000
3	18:40:21	8793.331	590.116	12.500	2298.622	24547363.000	19598413.000	2769117.700	3293196.600	23644098.000
x		8800.627	598.103	19.271	2439.792	24619307.000	19611962.000	2769103.300	3316144.300	23737318.000
σ		51.980	6.936	10.404	125.997	93246.158	12274.363	3772.711	20019.591	107783.650
%RSD		0.591	1.160	53.986	5.164	0.379	0.063	0.136	0.604	0.454

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:38:04	2859.661	1414250.400	148020.710	303378.120	31059336.000	75747.161	1250323.300	67992.671	85909.101
2	18:39:12	3003.441	1407306.000	147741.280	304042.010	30870697.000	74798.432	1240429.700	68923.679	84725.502
3	18:40:21	2959.682	1396921.200	147555.000	305950.870	30835827.000	75046.603	1238725.300	68309.803	84815.093
x		2940.928	1406159.200	147772.330	304457.000	30921953.000	75197.399	1243159.500	68408.718	85149.899
σ		73.702	8721.320	234.407	1335.637	120247.820	492.012	6262.341	473.320	659.013
%RSD		2.506	0.620	0.159	0.439	0.389	0.654	0.504	0.692	0.774

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:38:04	28576.991	24162.604	8596.336	4008326.500	23272.065	69172350.000	1782482.700	15387.971	4419.434
2	18:39:12	30321.207	24157.909	8876.194	4026347.800	23109.301	68699550.000	1788506.400	15844.720	4513.213
3	18:40:21	30504.408	23888.707	9046.614	3989203.800	23021.660	69078647.000	1767508.800	15226.861	4356.914
x		29800.869	24069.740	8839.714	4007959.400	23134.342	68983516.000	1779499.300	15486.517	4429.854
σ		1063.860	156.797	227.345	18574.743	127.067	250344.730	10812.031	320.501	78.669
%RSD		3.570	0.651	2.572	0.463	0.549	0.363	0.608	2.070	1.776

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:38:04	11420.188	5780.857	4539.784	2720.051	221.877	221.877	627.097	196.356	22.396
2	18:39:12	11471.792	5411.962	4499.146	2673.167	245.315	245.315	695.329	207.814	19.792
3	18:40:21	11590.638	5638.613	4658.572	2631.492	190.626	190.626	651.577	209.897	17.708
x		11494.206	5610.477	4565.834	2674.903	219.273	219.273	658.001	204.689	19.965
σ		87.407	186.050	92.844	44.305	27.437	27.437	34.567	7.292	2.349
%RSD		0.760	3.316	1.814	1.656	12.513	12.513	5.253	3.562	11.763

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:38:04	247413.130	439613.150	471120.520	276090.820	717196.510	4.688	169156.530	339.067	12946.489
2	18:39:12	247712.000	437962.020	470999.430	276791.690	715782.880	1.563	169518.600	376.567	13021.557
3	18:40:21	245513.590	435434.950	468335.850	275383.610	717253.980	7.813	169449.030	362.505	12757.256
x		246879.570	437670.040	470151.930	276088.710	716744.460	4.688	169374.720	359.380	12908.434
σ		1192.375	2104.352	1573.938	704.039	833.246	3.125	192.132	18.945	136.198
%RSD		0.483	0.481	0.335	0.255	0.116	66.667	0.113	5.272	1.055

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:38:04	531.260	531.260	12935.541	3703.605	242.190	14218.009	2679.939	4883.647	429152.180
2	18:39:12	512.509	512.509	12832.323	3520.746	226.564	13909.894	2564.293	4797.681	430467.440
3	18:40:21	567.199	567.199	12832.323	3483.237	220.314	14058.477	2625.241	4708.588	431559.020
x		536.989	536.989	12866.729	3569.196	229.689	14062.127	2623.158	4796.639	430392.880
σ		27.791	27.791	59.593	117.903	11.268	154.090	57.851	87.534	1205.150
%RSD		5.175	5.175	0.463	3.303	4.906	1.096	2.205	1.825	0.280

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:38:04	455602.610	26228.744	63655.568	26480.770	21988.785	55388.418	429139.300	135.938
2	18:39:12	457773.510	25884.366	63945.923	27030.236	23142.167	55716.252	431985.690	128.126
3	18:40:21	457965.450	25881.236	63085.862	26364.931	22597.546	55816.642	430820.020	120.313
x		457113.860	25998.115	63562.451	26625.312	22576.166	55640.437	430648.340	128.126
σ		1312.291	199.736	437.526	355.425	576.988	223.953	1430.939	7.813
%RSD		0.287	0.768	0.688	1.335	2.556	0.403	0.332	6.098

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:45:59	8840.234	9.896	23.438	540.635	2865187.600	2137878.800	306825.580	371084.390	2576049.200
2	18:47:07	9037.233	18.750	18.750	545.323	2828347.000	2108500.400	302170.110	368524.070	2557570.300
3	18:48:15	8980.947	10.417	10.938	554.698	2834049.600	2118153.900	304322.900	366102.040	2550420.700
x		8952.805	13.021	17.708	546.885	2842528.100	2121511.000	304439.530	368570.170	2561346.700
σ		101.470	4.968	6.315	7.161	19829.811	14974.148	2329.930	2491.498	13225.043
%RSD		1.133	38.158	35.660	1.309	0.698	0.706	0.765	0.676	0.516

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:45:59	1140.670	150303.740	31011.749	157210.290	3591980.700	8207.044	136284.490	71359.030	9162.312
2	18:47:07	1150.046	149408.490	31382.871	156610.000	3546887.700	8071.029	133166.220	71376.303	8827.727
3	18:48:15	1184.424	150834.290	31589.575	156388.850	3536700.800	8031.945	132997.470	71021.416	9084.137
x		1158.380	150182.170	31328.065	156736.380	3558523.100	8103.340	134149.390	71252.250	9024.725
σ		23.037	720.634	292.786	425.054	29419.417	91.913	1850.968	200.094	175.026
%RSD		1.989	0.480	0.935	0.271	0.827	1.134	1.380	0.281	1.939

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:45:59	6354.538	2092.341	2364.258	460480.320	1446.948	7628569.100	195722.260	159.376	229.689
2	18:47:07	6043.466	2075.151	2204.858	455563.910	1370.378	7424985.800	191990.880	175.001	218.752
3	18:48:15	5862.140	1978.262	2162.664	457909.000	1332.875	7529281.700	192798.520	190.626	212.502
x		6086.715	2048.584	2243.927	457984.410	1383.400	7527612.200	193503.890	175.001	220.314
σ		249.032	61.505	106.324	2459.076	58.141	101801.910	1963.145	15.625	8.700
%RSD		4.091	3.002	4.738	0.537	4.203	1.352	1.015	8.929	3.949

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:45:59	553.136	232.814	360.942	91.146	20.313	20.313	201.043	17.188	14.063
2	18:47:07	514.072	278.128	289.065	82.292	25.000	25.000	198.960	18.750	21.354
3	18:48:15	568.761	276.565	321.879	79.688	26.563	26.563	217.189	22.917	16.146
x		545.323	262.502	323.962	84.375	23.958	23.958	205.731	19.618	17.188
σ		28.169	25.722	35.984	6.007	3.253	3.253	9.978	2.962	3.756
%RSD		5.166	9.799	11.107	7.119	13.576	13.576	4.850	15.096	21.852

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:45:59	26532.429	47326.701	50446.726	29600.948	76895.459	1.563	177900.850	115.625	51.563
2	18:47:07	26305.447	46229.367	49482.425	29065.476	76133.582	0.000	180468.700	140.626	25.000
3	18:48:15	26389.978	47041.386	50194.277	29137.497	75615.215	0.000	181464.000	95.313	48.438
x		26409.284	46865.818	50041.142	29267.974	76214.752	0.521	179944.510	117.188	41.667
σ		114.716	569.345	500.057	290.604	643.970	0.902	1838.499	22.697	14.518
%RSD		0.434	1.215	0.999	0.993	0.845	173.205	1.022	19.368	34.843

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:45:59	45.313	45.313	34.375	59.375	125.001	300.003	35.938	54.688	437022.970
2	18:47:07	50.000	50.000	45.313	50.000	96.875	232.814	26.563	51.563	440549.150
3	18:48:15	54.688	54.688	25.000	60.938	93.750	209.377	48.438	50.000	443552.470
x		50.000	50.000	34.896	56.771	105.209	247.398	36.979	52.083	440374.860
σ		4.688	4.688	10.166	5.916	17.211	47.040	10.975	2.387	3268.234
%RSD		9.375	9.375	29.133	10.420	16.359	19.014	29.678	4.583	0.742

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:45:59	460491.620	112.500	265.627	653.140	512.509	1306.310	449514.230	73.438
2	18:47:07	468051.760	104.688	245.315	706.267	523.447	1243.804	453367.540	56.250
3	18:48:15	469983.990	89.063	243.752	678.141	557.823	1340.688	453867.420	48.438
x		466175.790	102.084	251.565	679.183	531.260	1296.934	452249.730	59.375
σ		5016.546	11.934	12.204	26.579	23.646	49.118	2382.164	12.790
%RSD		1.076	11.690	4.851	3.913	4.451	3.787	0.527	21.540

Reviewed By:jbswan
On:11/22/2011 7:16:48 PM
Inst Id :PE

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	18:53:54	8959.058	74.479	7.813	562.511	2810069.300	2105907.600	301287.700	366555.640	2538420.400
2	18:55:02	9070.066	79.167	25.000	521.885	2835898.000	2109582.500	302404.680	364326.250	2536506.500
3	18:56:10	9118.534	80.729	21.875	545.323	2826990.200	2117157.500	304543.140	365177.250	2541511.200
x		9049.220	78.125	18.229	543.240	2824319.100	2110882.500	302745.170	365353.050	2538812.700
σ		81.756	3.253	9.155	20.393	13119.903	5736.525	1654.217	1125.044	2525.317
%RSD		0.903	4.163	50.224	3.754	0.465	0.272	0.546	0.308	0.099

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	18:53:54	1128.170	149511.110	31977.938	154951.440	3545149.700	8097.607	133711.910	71622.845	9229.543
2	18:55:02	1034.412	151421.710	31528.503	156369.900	3529386.500	8075.720	133428.020	72123.794	8966.876
3	18:56:10	1034.412	150084.270	31501.882	155671.710	3553538.200	8164.833	132931.240	72323.236	8971.566
x		1065.665	150339.030	31669.441	155664.350	3542691.500	8112.720	133357.060	72023.291	9055.995
σ		54.131	980.442	267.498	709.256	12262.096	46.439	395.145	360.849	150.315
%RSD		5.080	0.652	0.845	0.456	0.346	0.572	0.296	0.501	1.660

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	18:53:54	6904.793	3187.856	1987.638	457705.760	2862.787	7526027.500	193634.720	1636.031	637.514
2	18:55:02	6735.963	3286.316	2006.391	452948.300	2776.832	7522210.800	194274.570	1812.615	551.573
3	18:56:10	6329.527	3056.577	2129.846	456560.600	2848.722	7491704.100	191989.300	1764.171	567.199
x		6656.761	3176.916	2041.292	455738.220	2829.447	7513314.200	193299.530	1737.606	585.429
σ		295.698	115.259	77.261	2483.060	46.105	18811.873	1178.933	91.240	45.779
%RSD		4.442	3.628	3.785	0.545	1.629	0.250	0.610	5.251	7.820

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	18:53:54	1376.629	662.515	590.637	322.399	34.375	34.375	256.252	34.375	19.271
2	18:55:02	1445.386	628.139	542.198	347.921	29.688	29.688	266.148	36.979	21.354
3	18:56:10	1421.946	687.517	609.388	300.003	53.125	53.125	259.898	32.813	15.625
x		1414.653	659.390	580.741	323.441	39.063	39.063	260.766	34.722	18.750
σ		34.954	29.812	34.671	23.976	12.402	12.402	5.005	2.105	2.900
%RSD		2.471	4.521	5.970	7.413	31.749	31.749	1.919	6.062	15.466

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	18:53:54	26307.012	46433.151	50402.821	29373.918	75619.927	0.000	181024.090	143.751	1393.818
2	18:55:02	26557.475	46969.275	49256.646	29466.295	76273.387	0.000	182870.830	140.626	1489.140
3	18:56:10	26147.345	46368.881	49240.968	28995.020	76697.524	0.000	181780.480	145.313	1518.831
x		26337.277	46590.436	49633.478	29278.411	76196.946	0.000	181891.800	143.230	1467.263
σ		206.733	329.654	666.317	249.732	542.850	0.000	928.387	2.387	65.315
%RSD		0.785	0.708	1.342	0.853	0.712	0.000	0.510	1.666	4.451

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	18:53:54	56.250	56.250	1401.631	362.505	107.813	1537.583	256.252	504.696	445942.360
2	18:55:02	56.250	56.250	1412.570	412.506	98.438	1545.396	328.129	546.885	447255.920
3	18:56:10	76.563	76.563	1456.324	378.130	73.438	1514.143	276.565	532.822	445246.140
x		63.021	63.021	1423.508	384.380	93.229	1532.374	286.982	528.135	446148.140
σ		11.727	11.727	28.941	25.580	17.770	16.265	37.053	21.482	1020.569
%RSD		18.609	18.609	2.033	6.655	19.060	1.061	12.911	4.067	0.229

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	18:53:54	472657.560	2876.852	6826.631	2901.857	2395.513	6195.093	457346.080	62.500
2	18:55:02	473715.180	2781.521	6901.667	2939.365	2520.535	6202.909	457358.980	34.375
3	18:56:10	472680.160	2789.335	6821.941	2794.023	2579.920	6026.271	457154.140	37.500
x		473017.630	2815.903	6850.080	2878.415	2498.656	6141.424	457286.400	44.792
σ		604.196	52.928	44.737	75.453	94.130	99.802	114.721	15.415
%RSD		0.128	1.880	0.653	2.621	3.767	1.625	0.025	34.416

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:01:48	8904.337	14953.134	2311.124	418.756	13059618.000	10358706.000	1506293.000	1741971.200	2568767.600
2	19:02:56	8934.043	14900.475	2440.834	398.443	13087374.000	10374327.000	1512947.300	1753399.700	2542699.100
3	19:04:04	9190.455	14627.798	2483.028	428.131	12946461.000	10271728.000	1503803.200	1786856.900	2534889.600
x		9009.612	14827.136	2411.662	415.110	13031151.000	10334920.000	1507681.100	1760742.600	2548785.400
σ		157.318	174.628	89.588	15.176	74644.981	55280.846	4727.447	23326.369	17740.165
%RSD		1.746	1.178	3.715	3.656	0.573	0.535	0.314	1.325	0.696

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:01:48	31584.878	150040.050	31926.260	137650.610	8432531.200	39949.531	659162.850	70789.017	21375.355
2	19:02:56	30739.286	149654.800	31386.003	139294.560	8461776.400	39904.092	658579.020	71503.500	21448.902
3	19:04:04	30852.029	147622.880	30938.152	139067.360	8383081.000	39996.537	652678.190	70853.397	21176.622
x		31058.731	149105.910	31416.805	138670.850	8425796.200	39950.053	656806.690	71048.638	21333.626
σ		459.130	1298.707	494.774	890.819	39777.640	46.225	3587.283	395.235	140.855
%RSD		1.478	0.871	1.575	0.642	0.472	0.116	0.546	0.556	0.660

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:01:48	326184.970	303220.130	36800.464	1143484.600	862662.860	18747053.000	483885.150	385948.670	85624.588
2	19:02:56	326651.710	305144.840	36950.851	1146489.900	867404.640	18731063.000	478786.350	386253.630	84477.162
3	19:04:04	324354.940	301199.940	36213.028	1141161.000	861908.360	18672969.000	480125.500	383055.150	84628.051
x		325730.540	303188.300	36654.781	1143711.800	863991.950	18717028.000	480932.330	385085.820	84909.934
σ		1213.945	1972.645	389.889	2671.714	2979.453	38985.043	2643.421	1765.206	623.490
%RSD		0.373	0.651	1.064	0.234	0.345	0.208	0.550	0.458	0.734

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:01:48	425617.510	206711.360	146759.360	64162.516	3747.366	3747.366	12155.690	4868.538	20.313
2	19:02:56	425189.420	206437.120	145772.780	64805.513	3628.586	3628.586	12018.074	5037.346	13.021
3	19:04:04	424148.200	204693.550	146592.030	64465.961	3569.196	3569.196	11899.746	5002.438	16.667
x		424985.040	205947.340	146374.720	64477.997	3648.383	3648.383	12024.503	4969.441	16.667
σ		755.673	1094.440	527.973	321.667	90.720	90.720	128.093	89.111	3.646
%RSD		0.178	0.531	0.361	0.499	2.487	2.487	1.065	1.793	21.875

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:01:48	64159.377	113851.880	122408.130	72731.551	186544.430	0.000	177339.240	7109.581	352223.650
2	19:02:56	66005.258	113316.400	122160.710	71644.830	186975.010	0.000	177706.260	7315.935	352329.330
3	19:04:04	63305.581	114034.580	122884.070	72214.877	186514.360	0.000	176537.220	7233.081	352231.660
x		64490.072	113734.280	122484.300	72197.086	186677.930	0.000	177194.240	7219.532	352261.550
σ		1379.885	373.252	367.643	543.579	257.714	0.000	597.861	103.842	58.842
%RSD		2.140	0.328	0.300	0.753	0.138	0.000	0.337	1.438	0.017

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:01:48	5318.177	5318.177	345906.450	82866.206	228078.140	343483.400	323672.540	580108.060	438575.740
2	19:02:56	5407.273	5407.273	346593.110	83053.225	228540.130	345439.090	323931.430	580748.960	440462.150
3	19:04:04	5308.799	5308.799	345967.270	83194.669	227198.670	344144.340	322288.650	577084.540	442435.820
x		5344.750	5344.750	346155.610	83038.033	227938.980	344355.610	323297.540	579313.850	440491.240
σ		54.350	54.350	380.103	164.758	681.470	994.817	883.263	1957.055	1930.204
%RSD		1.017	1.017	0.110	0.198	0.299	0.289	0.273	0.338	0.438

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:01:48	463455.500	660055.820	1612787.700	535972.310	503230.330	1187039.000	441994.340	3003757.800
2	19:02:56	465088.560	661866.470	1611877.400	532863.900	504743.260	1195343.600	445734.450	2989793.300
3	19:04:04	463695.930	658906.090	1614697.400	533540.010	505753.050	1187183.100	445898.840	2984560.500
x		464080.000	660276.130	1613120.800	534125.400	504575.550	1189855.200	444542.550	2992703.900
σ		881.674	1492.431	1439.184	1634.802	1269.695	4753.600	2208.342	9924.109
%RSD		0.190	0.226	0.089	0.306	0.252	0.400	0.497	0.332

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:09:40	9160.749	20.833	48.438	309.378	220675.730	4767.983	635.952	795.335	14787.337
2	19:10:49	8751.117	11.979	42.188	289.065	218832.070	4028.693	551.573	625.014	14444.799
3	19:11:57	9160.749	10.938	45.313	315.628	218108.630	4317.840	565.636	675.016	14612.157
x		9024.205	14.583	45.313	304.691	219205.480	4371.505	584.387	698.455	14614.764
σ		236.501	5.438	3.125	13.888	1323.660	372.555	45.206	87.546	171.284
%RSD		2.621	37.287	6.897	4.558	0.604	8.522	7.736	12.534	1.172

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:09:40	896.903	1006.285	18322.680	141642.480	213511.850	28.125	890.653	72257.278	32.813
2	19:10:49	940.656	896.903	18314.858	143116.430	213438.890	32.813	882.840	73216.833	46.875
3	19:11:57	850.025	889.090	18325.809	142630.360	212958.360	29.688	873.464	72609.055	34.375
x		895.861	930.760	18321.116	142463.090	213303.030	30.208	882.319	72694.388	38.021
σ		45.324	65.524	5.641	751.080	300.714	2.387	8.606	485.435	7.708
%RSD		5.059	7.040	0.031	0.527	0.141	7.901	0.975	0.668	20.272

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:09:40	2672.125	609.388	937.531	3730.174	389.068	50316.581	2440.834	121.876	82.813
2	19:10:49	2415.829	557.823	820.336	3683.287	379.693	48035.311	2393.951	95.313	96.875
3	19:11:57	2403.327	542.198	853.150	3558.256	371.880	49629.810	2315.813	104.688	110.938
x		2497.094	569.803	870.339	3657.239	380.213	49327.234	2383.532	107.292	96.875
σ		151.710	35.161	60.459	88.870	8.606	1170.347	63.158	13.471	14.063
%RSD		6.075	6.171	6.947	2.430	2.263	2.373	2.650	12.556	14.516

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:09:40	296.878	89.063	87.500	54.167	17.188	17.188	255.211	18.229	15.104
2	19:10:49	226.564	81.250	64.063	55.729	7.813	7.813	241.669	23.958	18.229
3	19:11:57	235.939	100.000	65.625	42.188	18.750	18.750	244.273	13.021	15.625
x		253.127	90.104	72.396	50.695	14.583	14.583	247.051	18.403	16.319
σ		38.178	9.418	13.104	7.409	5.916	5.916	7.186	5.471	1.674
%RSD		15.083	10.453	18.100	14.614	40.564	40.564	2.909	29.728	10.259

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:09:40	84.375	114.063	125.001	87.500	198.439	0.000	184825.430	145.313	134.376
2	19:10:49	87.500	100.000	107.813	43.750	171.876	0.000	186842.030	98.438	75.000
3	19:11:57	70.313	95.313	79.688	56.250	129.688	1.563	186530.190	117.188	79.688
x		80.729	103.125	104.167	62.500	166.668	0.521	186065.880	120.313	96.355
σ		9.155	9.758	22.875	22.535	34.670	0.902	1085.521	23.593	33.011
%RSD		11.341	9.462	21.960	36.056	20.802	173.205	0.583	19.610	34.259

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:09:40	6.250	6.250	115.625	25.000	331.254	723.456	53.125	128.126	446324.320
2	19:10:49	1.563	1.563	73.438	12.500	310.941	539.073	68.750	126.563	443106.120
3	19:11:57	3.125	3.125	79.688	29.688	203.126	459.382	67.188	101.563	448472.880
x		3.646	3.646	89.584	22.396	281.774	573.970	63.021	118.751	445967.770
σ		2.387	2.387	22.768	8.885	68.864	135.451	8.606	14.905	2701.086
%RSD		65.465	65.465	25.416	39.671	24.439	23.599	13.655	12.552	0.606

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:09:40	468050.150	246.877	548.448	179.689	182.814	404.693	460996.580	678.141
2	19:10:49	471453.100	156.251	360.942	164.063	160.938	318.754	466581.380	493.759
3	19:11:57	471630.690	168.751	379.693	139.063	140.626	337.504	467572.380	562.511
x		470377.980	190.626	429.694	160.938	161.459	353.650	465050.110	578.137
σ		2017.915	49.114	103.270	20.492	21.099	45.188	3545.262	93.179
%RSD		0.429	25.765	24.033	12.733	13.068	12.778	0.762	16.117

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:17:33	8868.377	5.208	25.000	315.628	216776.080	2286.120	310.941	348.442	13292.118
2	19:18:41	9134.169	10.417	26.563	323.441	215727.570	2222.048	293.753	342.192	13659.652
3	19:19:49	9276.448	15.625	26.563	307.816	220580.530	2236.113	345.317	320.316	13733.160
x		9092.998	10.417	26.042	315.628	217694.730	2248.094	316.670	336.983	13561.644
σ		207.128	5.208	0.902	7.813	2553.572	33.675	26.255	14.769	236.292
%RSD		2.278	50.000	3.464	2.475	1.173	1.498	8.291	4.383	1.742

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:17:33	971.908	914.092	18256.971	143580.430	211156.920	14.063	748.457	72949.847	59.375
2	19:18:41	946.906	884.402	18355.535	144397.980	212217.780	31.250	743.769	72387.623	51.563
3	19:19:49	840.650	862.526	18258.536	144031.810	213197.830	17.188	695.329	71958.903	50.000
x		919.821	887.007	18290.347	144003.410	212190.840	20.833	729.185	72432.124	53.646
σ		69.695	25.881	56.460	409.516	1020.724	9.155	29.414	496.969	5.023
%RSD		7.577	2.918	0.309	0.284	0.481	43.946	4.034	0.686	9.363

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:17:33	2154.850	470.320	718.768	3417.596	289.065	45487.930	2304.873	51.563	60.938
2	19:18:41	2048.584	468.758	742.207	3167.539	307.816	45450.311	2239.238	42.188	90.625
3	19:19:49	2103.280	476.570	765.646	3240.993	271.878	44495.750	2281.432	54.688	65.625
x		2102.238	471.883	742.207	3275.376	289.586	45144.664	2275.181	49.479	72.396
σ		53.140	4.134	23.439	128.526	17.975	562.290	33.261	6.505	15.960
%RSD		2.528	0.876	3.158	3.924	6.207	1.246	1.462	13.147	22.045

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:17:33	171.876	73.438	64.063	39.063	20.313	20.313	237.502	17.708	11.458
2	19:18:41	134.376	42.188	89.063	38.542	23.438	23.438	216.147	16.146	16.146
3	19:19:49	173.439	62.500	48.438	38.542	21.875	21.875	228.648	19.271	10.938
x		159.897	59.375	67.188	38.715	21.875	21.875	227.432	17.708	12.847
σ		22.116	15.858	20.492	0.301	1.563	1.563	10.729	1.563	2.869
%RSD		13.831	26.708	30.500	0.777	7.143	7.143	4.717	8.824	22.328

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:17:33	29.688	35.938	40.625	17.188	59.375	0.000	186705.900	93.750	32.813
2	19:18:41	31.250	29.688	48.438	28.125	45.313	0.000	186129.700	114.063	23.438
3	19:19:49	28.125	31.250	29.688	23.438	54.688	0.000	186185.100	106.250	23.438
x		29.688	32.292	39.583	22.917	53.125	0.000	186340.230	104.688	26.563
σ		1.563	3.253	9.418	5.487	7.160	0.000	317.883	10.246	5.413
%RSD		5.263	10.073	23.794	23.945	13.478	0.000	0.171	9.787	20.377

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:17:33	1.563	1.563	14.063	1.563	132.813	237.502	12.500	31.250	447176.940
2	19:18:41	0.000	0.000	26.563	0.000	137.501	207.814	9.375	15.625	451000.610
3	19:19:49	0.000	0.000	25.000	7.813	92.188	168.751	14.063	23.438	447968.350
x		0.521	0.521	21.875	3.125	120.834	204.689	11.979	23.438	448715.300
σ		0.902	0.902	6.811	4.134	24.919	34.482	2.387	7.813	2018.310
%RSD		173.205	173.205	31.135	132.288	20.622	16.846	19.924	33.333	0.450

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:17:33	467343.190	81.250	118.750	78.125	60.938	173.439	462408.310	103.125
2	19:18:41	472554.220	67.188	125.001	65.625	70.313	162.501	465948.730	109.375
3	19:19:49	472426.670	34.375	87.500	82.813	76.563	142.188	465219.270	84.375
x		470774.690	60.938	110.417	75.521	69.271	159.376	464525.440	98.959
σ		2972.456	24.054	20.091	8.885	7.864	15.858	1869.411	13.010
%RSD		0.631	39.474	18.196	11.765	11.353	9.950	0.402	13.147

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:25:25	12650.912	15.625	25.000	409.381	233117.890	2076.713	239.065	262.502	13359.369
2	19:26:33	10522.624	11.979	17.188	300.003	224717.700	1972.011	232.814	282.815	13434.439
3	19:27:41	9690.786	14.063	21.875	328.129	220263.190	1829.805	225.002	284.378	13240.508
x		10954.774	13.889	21.354	345.838	226032.930	1959.510	232.294	276.565	13344.772
σ		1526.647	1.829	3.932	56.799	6527.498	123.928	7.046	12.204	97.786
%RSD		13.936	13.170	18.414	16.423	2.888	6.324	3.033	4.413	0.733

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:25:25	1068.790	992.222	20718.138	166306.170	230921.720	17.188	737.519	82419.885	48.438
2	19:26:33	943.781	867.214	19317.740	154092.220	219920.470	21.875	721.893	76950.441	42.188
3	19:27:41	1078.166	976.596	18723.199	149519.010	217723.130	17.188	700.017	74745.028	48.438
x		1030.246	945.344	19586.359	156639.130	222855.110	18.750	719.810	78038.452	46.354
σ		75.027	68.112	1024.237	8678.551	7071.756	2.706	18.838	3951.415	3.608
%RSD		7.282	7.205	5.229	5.540	3.173	14.434	2.617	5.063	7.785

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:25:25	2137.660	521.885	779.709	3717.671	317.191	48303.400	2536.163	46.875	92.188
2	19:26:33	1948.570	592.200	767.208	3500.429	275.003	46472.341	2418.955	53.125	103.125
3	19:27:41	1922.004	559.386	671.891	3281.627	262.502	45661.921	2378.323	46.875	96.875
x		2002.745	557.823	739.603	3499.909	284.899	46812.554	2444.480	48.958	97.396
σ		117.592	35.184	58.972	218.023	28.656	1353.204	81.957	3.608	5.487
%RSD		5.872	6.307	7.974	6.229	10.058	2.891	3.353	7.370	5.634

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:25:25	159.376	57.813	46.875	41.146	10.938	10.938	266.669	19.792	16.667
2	19:26:33	157.813	51.563	57.813	34.896	7.813	7.813	268.753	17.708	13.542
3	19:27:41	153.126	54.688	65.625	39.063	12.500	12.500	250.523	17.708	16.146
x		156.772	54.688	56.771	38.368	10.417	10.417	261.982	18.403	15.451
σ		3.253	3.125	9.418	3.182	2.387	2.387	9.978	1.203	1.674
%RSD		2.075	5.714	16.590	8.294	22.913	22.913	3.809	6.536	10.836

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:25:25	42.188	29.688	25.000	17.188	42.188	0.000	214966.230	104.688	9.375
2	19:26:33	21.875	15.625	28.125	14.063	32.813	0.000	200173.930	118.750	14.063
3	19:27:41	23.438	21.875	10.938	20.313	17.188	0.000	196221.220	112.500	15.625
x		29.167	22.396	21.354	17.188	30.729	0.000	203787.120	111.980	13.021
σ		11.303	7.046	9.155	3.125	12.630	0.000	9881.054	7.046	3.253
%RSD		38.755	31.460	42.874	18.182	41.100	0.000	4.849	6.292	24.980

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:25:25	1.563	1.563	15.625	3.125	120.313	201.564	10.938	14.063	551602.260
2	19:26:33	1.563	1.563	18.750	1.563	81.250	129.688	10.938	14.063	492805.890
3	19:27:41	0.000	0.000	9.375	3.125	90.625	115.625	6.250	20.313	469775.740
x		1.042	1.042	14.583	2.604	97.396	148.959	9.375	16.146	504727.970
σ		0.902	0.902	4.774	0.902	20.393	46.096	2.706	3.608	42195.934
%RSD		86.603	86.603	32.733	34.641	20.938	30.946	28.868	22.349	8.360

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:25:25	580052.760	42.188	90.625	71.875	70.313	142.188	576912.160	71.875
2	19:26:33	524479.200	46.875	84.375	35.938	76.563	142.188	516356.820	42.188
3	19:27:41	493884.380	26.563	98.438	67.188	70.313	129.688	488588.100	57.813
x		532805.450	38.542	91.146	58.333	72.396	138.022	527285.690	57.292
σ		43683.431	10.636	7.046	19.537	3.608	7.217	45164.863	14.851
%RSD		8.199	27.595	7.730	33.491	4.984	5.229	8.566	25.921

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:33:19	9263.940	14.063	10.938	309.378	221916.610	1745.419	243.752	251.565	13766.004
2	19:34:27	9218.598	13.021	12.500	342.192	220080.720	1748.545	215.627	237.502	13758.184
3	19:35:34	9065.375	7.813	12.500	379.693	216634.900	1790.737	239.065	290.628	13195.154
x		9182.638	11.632	11.979	343.754	219544.080	1761.567	232.814	259.898	13573.114
σ		104.052	3.348	0.902	35.183	2681.437	25.310	15.068	27.526	327.347
%RSD		1.133	28.787	7.531	10.235	1.221	1.437	6.472	10.591	2.412

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:33:19	950.032	882.840	18695.037	145174.540	214231.880	35.938	751.582	73325.199	46.875
2	19:34:27	912.529	862.526	18946.931	146554.150	213984.460	21.875	635.952	74349.221	45.313
3	19:35:34	1009.411	814.086	18810.814	147362.400	215434.130	26.563	715.643	75109.432	43.750
x		957.324	853.151	18817.594	146363.700	214550.160	28.125	701.059	74261.284	45.313
σ		48.851	35.323	126.084	1106.292	775.475	7.160	59.179	895.361	1.563
%RSD		5.103	4.140	0.670	0.756	0.361	25.459	8.441	1.206	3.448

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:33:19	1812.615	501.571	573.449	3428.536	281.253	44339.014	2304.873	43.750	68.750
2	19:34:27	1765.734	467.195	592.200	3408.219	251.565	44755.936	2295.497	64.063	62.500
3	19:35:34	1721.979	512.509	631.264	3330.076	275.003	44454.999	2268.930	46.875	75.000
x		1766.776	493.759	598.971	3388.944	269.273	44516.650	2289.767	51.563	68.750
σ		45.327	23.646	29.496	51.984	15.651	215.190	18.644	10.938	6.250
%RSD		2.566	4.789	4.924	1.534	5.812	0.483	0.814	21.212	9.091

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:33:19	162.501	56.250	37.500	28.646	14.063	14.063	223.960	11.979	14.063
2	19:34:27	132.813	42.188	56.250	33.333	12.500	12.500	236.981	13.021	10.417
3	19:35:34	173.439	43.750	46.875	28.646	7.813	7.813	229.169	21.354	14.583
x		156.251	47.396	46.875	30.208	11.458	11.458	230.037	15.451	13.021
σ		21.022	7.708	9.375	2.706	3.253	3.253	6.554	5.138	2.270
%RSD		13.454	16.262	20.000	8.959	28.386	28.386	2.849	33.255	17.436

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:33:19	12.500	23.438	15.625	7.813	40.625	0.000	191552.240	128.126	12.500
2	19:34:27	6.250	18.750	25.000	9.375	35.938	1.563	190204.730	165.626	10.938
3	19:35:34	18.750	20.313	15.625	10.938	20.313	0.000	191100.940	125.001	20.313
x		12.500	20.833	18.750	9.375	32.292	0.521	190952.640	139.584	14.583
σ		6.250	2.387	5.413	1.563	10.636	0.902	685.889	22.607	5.023
%RSD		50.000	11.456	28.868	16.667	32.936	173.205	0.359	16.196	34.442

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:33:19	0.000	0.000	7.813	3.125	75.000	156.251	3.125	4.688	459018.770
2	19:34:27	1.563	1.563	6.250	1.563	87.500	103.125	9.375	7.813	459265.580
3	19:35:34	0.000	0.000	9.375	4.688	73.438	79.688	6.250	15.625	456283.200
x		0.521	0.521	7.813	3.125	78.646	113.021	6.250	9.375	458189.180
σ		0.902	0.902	1.563	1.563	7.708	39.229	3.125	5.634	1655.238
%RSD		173.205	173.205	20.000	50.000	9.800	34.710	50.000	60.093	0.361

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:33:19	483731.640	37.500	75.000	54.688	40.625	118.750	474761.570	45.313
2	19:34:27	483342.230	31.250	62.500	39.063	60.938	107.813	473689.340	46.875
3	19:35:34	478915.580	26.563	65.625	48.438	46.875	118.750	472988.560	40.625
x		481996.480	31.771	67.708	47.396	49.479	115.105	473813.160	44.271
σ		2675.239	5.487	6.505	7.864	10.404	6.315	892.965	3.253
%RSD		0.555	17.272	9.608	16.593	21.026	5.486	0.188	7.347

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	19:47:25	9479.707	78.125	51.563	340.629	513594.240	961214.870	134797.030	160365.390	25826.449
2	19:48:33	9812.744	71.875	81.250	362.505	513069.640	961059.610	134595.140	162381.720	26424.416
3	19:49:41	9878.414	75.521	68.750	345.317	513926.180	964594.120	135287.580	162889.010	26186.479
x		9723.622	75.174	67.188	349.483	513530.020	962289.530	134893.250	161878.710	26145.781
σ		213.773	3.139	14.905	11.518	431.867	1997.341	356.102	1334.893	301.054
%RSD		2.198	4.176	22.185	3.296	0.084	0.208	0.264	0.825	1.151

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	19:47:25	1668.848	935.968	18937.544	152822.440	590683.130	845.338	15328.532	76706.950	435.944
2	19:48:33	1631.343	884.402	19713.593	153728.960	586820.930	914.092	15194.013	78874.957	482.821
3	19:49:41	1637.594	903.154	19582.162	155147.300	591060.780	881.277	15170.551	77550.548	490.633
x		1645.928	907.841	19411.099	153899.570	589521.610	880.235	15231.032	77710.818	469.799
σ		20.093	26.101	415.343	1171.781	2346.467	34.389	85.248	1092.854	29.579
%RSD		1.221	2.875	2.140	0.761	0.398	3.907	0.560	1.406	6.296

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	19:47:25	8594.772	3025.320	931.280	23433.266	2334.566	397245.850	10902.596	1748.545	462.507
2	19:48:33	8633.858	3067.517	953.157	23628.900	2311.124	400645.070	10638.335	1817.303	512.509
3	19:49:41	8433.739	3109.713	859.401	23614.814	2290.809	401327.910	10811.902	1737.606	451.570
x		8554.123	3067.517	914.613	23558.994	2312.166	399739.610	10784.278	1767.818	475.529
σ		106.072	42.197	49.050	109.111	21.897	2186.481	134.279	43.203	32.490
%RSD		1.240	1.376	5.363	0.463	0.947	0.547	1.245	2.444	6.832

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	19:47:25	2000.140	1031.287	725.018	51.563	96.875	96.875	489.071	134.896	15.104
2	19:48:33	1953.259	914.092	740.644	61.979	82.813	82.813	497.925	128.126	20.833
3	19:49:41	2101.717	1025.037	634.389	58.854	62.500	62.500	498.446	128.646	15.625
x		2018.372	990.139	700.017	57.465	80.729	80.729	495.147	130.556	17.188
σ		75.890	65.933	57.370	5.345	17.282	17.282	5.269	3.768	3.168
%RSD		3.760	6.659	8.196	9.302	21.407	21.407	1.064	2.886	18.433

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	19:47:25	1425.071	2517.409	2539.288	1470.388	3988.057	1.563	198293.290	117.188	796.897
2	19:48:33	1409.445	2575.232	2573.669	1553.209	4095.900	0.000	198429.530	115.625	829.712
3	19:49:41	1453.199	2462.712	2750.265	1576.650	4002.123	0.000	199695.430	126.563	823.461
x		1429.238	2518.451	2621.074	1533.416	4028.693	0.521	198806.080	119.792	816.690
σ		22.173	56.267	113.195	55.828	58.626	0.902	773.203	5.916	17.424
%RSD		1.551	2.234	4.319	3.641	1.455	173.205	0.389	4.938	2.133

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	19:47:25	1.563	1.563	807.835	98.438	4830.504	2842.470	2833.093	5035.262	468647.380
2	19:48:33	14.063	14.063	754.707	90.625	5113.415	2989.375	2845.596	4900.841	468138.930
3	19:49:41	18.750	18.750	878.152	106.250	4986.808	2850.284	2823.717	4955.547	470098.600
x		11.458	11.458	813.565	98.438	4976.909	2894.043	2834.135	4963.883	468961.640
σ		8.885	8.885	61.921	7.813	141.715	82.652	10.977	67.597	1016.932
%RSD		77.540	77.540	7.611	7.937	2.847	2.856	0.387	1.362	0.217

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	19:47:25	495462.650	717.206	1696.976	2353.319	2356.444	5396.332	482594.130	12636.837
2	19:48:33	495585.550	729.706	1667.285	2295.497	2125.158	5408.836	483602.380	12780.715
3	19:49:41	498978.780	759.395	1753.233	2392.388	2312.687	5568.273	482051.250	12577.409
x		496675.660	735.436	1705.831	2347.068	2264.763	5457.813	482749.250	12664.987
σ		1995.508	21.671	43.653	48.747	122.865	95.864	787.112	104.535
%RSD		0.402	2.947	2.559	2.077	5.425	1.756	0.163	0.825

Reviewed By: jaswell
Date: 11/22/2011 1:16:48 PM
Inst Id: P8

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:16:51	9537.558	265.107	251.565	334.379	1336682.500	901795.460	126069.450	149435.330	60873.168
2	20:17:59	9259.250	267.190	210.939	337.504	1343844.300	903293.620	126851.330	152405.520	61682.880
3	20:19:07	9653.260	268.753	204.689	334.379	1340100.300	899557.650	126290.140	150439.540	60932.797
x		9483.356	267.016	222.398	335.421	1340209.000	901548.910	126403.640	150760.130	61162.948
σ		202.520	1.829	25.452	1.804	3582.137	1880.149	403.106	1510.827	451.260
%RSD		2.136	0.685	11.444	0.538	0.267	0.209	0.319	1.002	0.738

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:16:51	3337.890	964.095	18995.433	150286.370	1649988.600	3614.520	57059.036	76871.895	1903.252
2	20:17:59	3634.837	926.593	19140.940	152948.780	1657526.800	3328.513	56996.286	77068.261	1828.242
3	20:19:07	3434.788	929.718	19283.318	153390.990	1670036.000	3430.099	56760.977	76700.666	1832.930
x		3469.172	940.135	19139.897	152208.710	1659183.800	3457.711	56938.767	76880.274	1854.808
σ		151.430	20.809	143.945	1679.413	10125.899	144.989	157.134	183.941	42.019
%RSD		4.365	2.213	0.752	1.103	0.610	4.193	0.276	0.239	2.265

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:16:51	28421.995	10416.296	1690.725	81051.150	7944.396	1382072.800	35118.112	6643.732	1614.154
2	20:17:59	28429.823	10585.170	1715.728	81222.431	7867.791	1391404.200	35475.243	6834.447	1550.084
3	20:19:07	28517.498	10603.934	1536.020	80856.300	8103.860	1387091.700	35047.627	6754.722	1531.332
x		28456.439	10535.133	1647.491	81043.294	7972.016	1386856.200	35213.660	6744.300	1565.190
σ		53.023	103.343	97.343	183.192	120.434	4670.148	229.262	95.784	43.428
%RSD		0.186	0.981	5.909	0.226	1.511	0.337	0.651	1.420	2.775

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:16:51	7553.559	3598.891	2439.271	135.417	275.003	275.003	1202.134	457.820	17.188
2	20:17:59	7289.359	3483.237	2600.237	132.292	345.317	345.317	1232.866	414.589	23.958
3	20:19:07	7436.310	3528.561	2547.102	135.417	323.441	323.441	1257.347	427.090	10.417
x		7426.409	3536.896	2528.870	134.376	314.587	314.587	1230.782	433.166	17.188
σ		132.378	58.276	82.017	1.804	35.984	35.984	27.665	22.247	6.771
%RSD		1.783	1.648	3.243	1.343	11.438	11.438	2.248	5.136	39.394

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:16:51	5547.952	9745.511	10217.715	5965.308	15669.526	0.000	195725.420	167.188	6635.916
2	20:17:59	5601.098	9537.558	10205.206	5946.550	15655.449	0.000	195148.870	160.938	6599.962
3	20:19:07	5322.867	9606.354	10502.297	6005.950	15750.866	0.000	196572.880	171.876	6729.710
x		5490.639	9629.807	10308.406	5972.602	15691.947	0.000	195815.720	166.668	6655.196
σ		147.705	105.942	168.031	30.364	51.508	0.000	716.288	5.487	66.988
%RSD		2.690	1.100	1.630	0.508	0.328	0.000	0.366	3.292	1.007

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:16:51	26.563	26.563	6438.951	368.755	19200.394	11196.573	10994.854	19799.649	466105.280
2	20:17:59	15.625	15.625	6506.169	387.505	19522.706	11268.505	11071.476	19500.801	470381.120
3	20:19:07	45.313	45.313	6467.089	423.444	19292.706	11413.933	10929.179	19580.597	468429.470
x		29.167	29.167	6470.736	393.235	19338.602	11293.004	10998.503	19627.016	468305.290
σ		15.014	15.014	33.757	27.791	165.985	110.731	71.219	154.737	2140.624
%RSD		51.477	51.477	0.522	7.067	0.858	0.981	0.648	0.788	0.457

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:16:51	491649.880	2753.390	6554.628	9220.162	8544.742	20596.086	477802.660	49789.740
2	20:17:59	495494.990	2775.270	6709.388	9204.527	8826.163	20783.858	477035.460	49841.482
3	20:19:07	496929.490	2772.144	6762.538	9257.686	8868.377	20513.155	483704.180	50282.085
x		494691.450	2766.935	6675.518	9227.458	8746.427	20631.033	479514.100	49971.102
σ		2729.984	11.833	108.014	27.320	175.935	138.694	3648.930	270.558
%RSD		0.552	0.428	1.618	0.296	2.012	0.672	0.761	0.541

Reviewed By jeswal On 11/22/2011 1:16:48 PM Instrid -P6

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:24:00	9354.624	298.441	200.001	325.004	1325161.000	888958.430	124590.940	149918.480	61215.250
2	20:25:08	9443.745	261.461	201.564	343.754	1337872.500	893610.650	125109.510	150024.270	61205.835
3	20:26:15	9404.657	265.627	207.814	323.441	1336386.300	894308.600	125435.790	150606.910	60742.928
x		9401.009	275.176	203.126	330.733	1333139.900	892292.560	125045.410	150183.220	61054.671
σ		44.672	20.255	4.134	11.304	6949.820	2908.453	426.054	370.722	270.018
%RSD		0.475	7.361	2.035	3.418	0.521	0.326	0.341	0.247	0.442

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:24:00	3181.604	881.277	19139.375	152528.700	1648462.500	3372.273	56232.330	76791.778	1742.294
2	20:25:08	3553.567	890.653	18998.562	151786.480	1649798.000	3326.950	56218.212	76600.129	1756.358
3	20:26:15	3437.914	925.030	19228.557	152519.230	1648389.100	3525.435	56097.426	76978.718	1775.110
x		3391.028	898.987	19122.165	152278.140	1648883.200	3408.219	56182.656	76790.208	1757.921
σ		190.362	23.036	115.959	425.811	793.113	104.011	74.148	189.300	16.464
%RSD		5.614	2.562	0.606	0.280	0.048	3.052	0.132	0.247	0.937

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:24:00	28249.779	10544.515	1587.588	80878.299	7731.779	1378643.700	35371.862	6643.732	1586.026
2	20:25:08	28273.263	10592.988	1711.040	80455.610	8019.438	1387543.500	34884.729	6562.445	1501.641
3	20:26:15	28600.476	10314.660	1614.154	81090.434	7811.510	1388804.500	35633.448	6798.492	1604.778
x		28374.506	10484.054	1637.594	80808.114	7854.242	1384997.200	35296.679	6668.223	1564.148
σ		196.048	148.689	64.978	323.179	148.514	5538.314	379.980	119.915	54.938
%RSD		0.691	1.418	3.968	0.400	1.891	0.400	1.077	1.798	3.512

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:24:00	7359.708	3577.010	2648.683	137.501	326.566	326.566	1269.848	455.216	18.229
2	20:25:08	7420.677	3441.039	2589.297	131.251	315.628	315.628	1265.681	451.570	15.104
3	20:26:15	7431.620	3511.369	2704.944	125.521	337.504	337.504	1235.991	433.861	20.833
x		7404.002	3509.806	2647.641	131.424	326.566	326.566	1257.173	446.882	18.056
σ		38.748	67.999	57.830	5.992	10.938	10.938	18.462	11.423	2.869
%RSD		0.523	1.937	2.184	4.559	3.349	3.349	1.469	2.556	15.887

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:24:00	5569.836	9681.404	10317.787	5798.051	15209.655	0.000	196479.420	173.439	6417.066
2	20:25:08	5627.671	9617.299	10444.442	6090.361	15456.795	0.000	198106.340	134.376	6526.490
3	20:26:15	5347.876	9733.002	10589.861	6159.140	15824.385	0.000	197848.110	143.751	6674.997
x		5515.127	9677.235	10450.697	6015.851	15496.945	0.000	197477.960	150.522	6539.518
σ		147.703	57.964	136.145	191.729	309.325	0.000	874.347	20.393	129.458
%RSD		2.678	0.599	1.303	3.187	1.996	0.000	0.443	13.548	1.980

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:24:00	46.875	46.875	6309.205	371.880	19191.007	11374.839	10694.627	19394.406	470515.110
2	20:25:08	29.688	29.688	6382.676	398.443	19076.791	11146.534	10958.889	19577.468	468962.150
3	20:26:15	43.750	43.750	6318.584	343.754	19142.504	11393.604	10861.940	19496.107	470818.620
x		40.104	40.104	6336.822	371.359	19136.767	11304.993	10838.485	19489.327	470098.630
σ		9.155	9.155	39.986	27.348	57.323	137.549	133.684	91.719	995.846
%RSD		22.829	22.829	0.631	7.364	0.300	1.217	1.233	0.471	0.212

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:24:00	494725.240	2668.999	6640.606	9173.257	8366.512	20244.021	479390.490	49469.881
2	20:25:08	496319.770	2651.809	6487.410	9007.526	8662.000	20639.899	483466.650	50164.485
3	20:26:15	498548.520	2695.567	6689.066	9184.201	8569.757	20478.730	482241.900	49748.973
x		496531.170	2672.125	6605.694	9121.662	8532.756	20454.217	481699.680	49794.446
σ		1920.386	22.046	105.263	98.995	151.179	199.074	2091.476	349.527
%RSD		0.387	0.825	1.594	1.085	1.772	0.973	0.434	0.702

Reviewed By jaswal_m
On 11/22/2011 5:16:48 PM
Inst Id PE

PB59238BS LCS01 11/17/2011 08:30:46 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:31:55	9370.260	67.708	64.063	351.567	503070.150	230794.690	32558.936	38920.133	25928.196
2	20:33:03	9213.908	85.417	59.375	370.317	503943.900	233889.730	32522.916	38816.727	25887.497
3	20:34:11	9381.204	81.250	56.250	359.380	504498.920	232184.120	32818.905	38705.488	26031.508
x		9321.791	78.125	59.896	360.421	503837.650	232289.510	32633.586	38814.116	25949.067
σ		93.589	9.259	3.932	9.419	720.286	1550.211	161.498	107.346	74.240
%RSD		1.004	11.851	6.565	2.613	0.143	0.667	0.495	0.277	0.286

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:31:55	1612.591	900.028	18979.787	150346.370	579836.420	837.525	14788.901	75684.329	479.696
2	20:33:03	1562.586	859.401	19131.552	152048.620	581715.230	954.719	14823.312	76196.416	462.507
3	20:34:11	1384.442	860.963	18995.433	152421.310	585074.900	807.835	15092.343	76375.493	492.196
x		1519.873	873.464	19035.591	151605.440	582208.850	866.693	14901.519	76085.413	478.133
σ		119.922	23.018	83.472	1106.189	2653.894	77.665	166.152	358.703	14.906
%RSD		7.890	2.635	0.439	0.730	0.456	8.961	1.115	0.471	3.118

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:31:55	8058.522	3167.539	792.209	23037.310	2243.926	388606.800	10727.464	1743.856	412.506
2	20:33:03	8078.846	3137.845	773.458	23303.366	2151.725	388052.980	10819.721	1734.480	457.820
3	20:34:11	8050.705	3237.867	750.020	23425.441	2211.109	390631.210	10655.535	1692.288	432.819
x		8062.691	3181.083	771.896	23255.372	2202.253	389097.000	10734.240	1723.542	434.382
σ		14.526	51.368	21.138	198.466	46.734	1357.218	82.302	27.470	22.697
%RSD		0.180	1.615	2.738	0.853	2.122	0.349	0.767	1.594	5.225

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:31:55	2057.961	1032.850	789.084	308.858	79.688	79.688	500.530	132.813	17.708
2	20:33:03	1970.448	1026.599	798.460	309.378	92.188	92.188	516.155	119.271	23.438
3	20:34:11	2186.105	956.282	704.705	296.878	73.438	73.438	540.114	131.251	18.750
x		2071.505	1005.244	764.083	305.038	81.771	81.771	518.933	127.778	19.965
σ		108.464	42.517	51.636	7.071	9.547	9.547	19.938	7.409	3.052
%RSD		5.236	4.230	6.758	2.318	11.675	11.675	3.842	5.798	15.286

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:31:55	1342.251	2336.129	2576.795	1473.514	3898.970	3.125	196620.400	173.439	1628.218
2	20:33:03	1389.130	2270.493	2547.102	1548.521	3852.082	0.000	196949.890	171.876	1570.399
3	20:34:11	1361.002	2417.392	2694.004	1539.145	3853.645	0.000	197749.890	168.751	1531.332
x		1364.128	2341.338	2605.967	1520.393	3868.232	1.042	197106.730	171.355	1576.650
σ		23.595	73.588	77.674	40.869	26.631	1.804	580.850	2.387	48.744
%RSD		1.730	3.143	2.981	2.688	0.688	173.205	0.295	1.393	3.092

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:31:55	12.500	12.500	1487.577	360.942	4933.664	3055.014	2715.883	4777.361	468140.540
2	20:33:03	10.938	10.938	1507.892	400.006	4933.664	3020.632	2708.069	4977.430	470689.460
3	20:34:11	25.000	25.000	1521.956	385.943	4930.538	3058.140	2897.169	5060.271	471732.410
x		16.146	16.146	1505.809	382.297	4932.622	3044.595	2773.707	4938.354	470187.470
σ		7.708	7.708	17.284	19.785	1.805	20.812	106.992	145.446	1847.803
%RSD		47.738	47.738	1.148	5.175	0.037	0.684	3.857	2.945	0.393

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:31:55	491011.280	2954.993	6942.311	2373.635	2276.744	5324.430	481897.760	12733.798
2	20:33:03	494254.680	2940.928	6982.956	2397.076	2140.785	5472.923	484523.440	12564.898
3	20:34:11	495606.570	2950.305	7029.854	2342.380	2161.101	5290.042	486722.900	12524.238
x		493624.180	2948.742	6985.041	2371.030	2192.877	5362.465	484381.370	12607.645
σ		2361.635	7.162	43.809	27.441	73.338	97.193	2415.704	111.127
%RSD		0.478	0.243	0.627	1.157	3.344	1.812	0.499	0.881

Reviewed By:jaswal_h
On:11/22/2011 1:16:48 PM
Inst Id:IP6

C4482-02 MB9TD0 11/17/2011 08:38:42 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:39:50	8957.495	18.750	1337.563	798.460	13028932.000	5264866.400	764194.820	914731.880	32967.684
2	20:40:58	8984.074	10.417	1464.138	776.584	13057995.000	5307316.100	766847.060	921896.120	32621.578
3	20:42:06	9124.788	15.625	1329.749	845.338	13100027.000	5279855.600	762651.480	919542.060	32933.230
x̄		9022.119	14.931	1377.150	806.794	13062318.000	5284012.700	764564.450	918723.350	32840.831
σ		89.902	4.210	75.435	35.126	35744.296	21528.033	2122.073	3651.617	190.658
%RSD		0.996	28.196	5.478	4.354	0.274	0.407	0.278	0.397	0.581

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:39:50	1053205.700	2662.748	57230.031	154938.800	3960412.700	28663.101	478988.270	73392.732	154.688
2	20:40:58	1061620.700	2737.762	58292.124	157336.670	3980207.200	29596.251	483938.480	74273.830	134.376
3	20:42:06	1059661.000	2584.609	57997.178	155381.070	3985868.000	29231.439	483124.100	74116.768	148.438
x̄		1058162.500	2661.706	57839.777	155885.520	3975495.900	29163.597	482016.950	73927.777	145.834
σ		4403.057	76.582	548.263	1276.046	13365.630	470.260	2654.332	469.970	10.404
%RSD		0.416	2.877	0.948	0.819	0.336	1.612	0.551	0.636	7.134

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:39:50	3039.386	1882.937	1079.728	109348.150	466760.530	1890098.500	49447.931	10424.114	4169.358
2	20:40:58	3359.770	1779.798	1110.981	111191.990	474616.230	1915926.600	50275.813	10514.806	3920.851
3	20:42:06	3411.345	1895.438	1165.673	110621.960	471147.960	1907853.500	49661.168	10313.096	4214.684
x̄		3270.167	1852.724	1118.794	110387.370	470841.570	1904626.200	49794.971	10417.339	4101.631
σ		201.519	63.464	43.502	944.040	3936.801	13213.056	429.854	101.025	158.192
%RSD		6.162	3.425	3.888	0.855	0.836	0.694	0.863	0.970	3.857

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:39:50	1787.612	785.959	14009.991	316.149	26.563	26.563	271.357	20.313	18.229
2	20:40:58	1831.367	900.028	14643.439	345.317	15.625	15.625	239.065	23.438	19.792
3	20:42:06	1679.786	728.144	13967.763	338.025	12.500	12.500	219.273	30.208	11.979
x̄		1766.255	804.710	14207.064	333.164	18.229	18.229	243.231	24.653	16.667
σ		78.015	87.463	378.501	15.179	7.384	7.384	26.291	5.059	4.134
%RSD		4.417	10.869	2.664	4.556	40.507	40.507	10.809	20.519	24.804

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:39:50	217.189	76.563	123.438	37.500	128.126	0.000	184293.630	121.876	31.250
2	20:40:58	215.627	51.563	100.000	39.063	79.688	0.000	185210.050	115.625	17.188
3	20:42:06	179.689	65.625	95.313	40.625	112.500	0.000	185721.310	118.750	9.375
x̄		204.168	64.583	106.250	39.063	106.771	0.000	185075.000	118.750	19.271
σ		21.214	12.533	15.068	1.563	24.722	0.000	723.361	3.125	11.085
%RSD		10.391	19.405	14.182	4.000	23.154	0.000	0.391	2.632	57.524

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:39:50	0.000	0.000	9.375	29.688	250.002	604.700	22110.848	39921.327	457320.270
2	20:40:58	1.563	1.563	18.750	25.000	243.752	571.886	22160.925	39502.979	456484.800
3	20:42:06	6.250	6.250	23.438	34.375	218.752	537.510	22473.914	39662.796	458913.920
x̄		2.604	2.604	17.188	29.688	237.502	571.366	22248.562	39695.701	457573.000
σ		3.253	3.253	7.160	4.688	16.536	33.598	196.760	211.106	1234.123
%RSD		124.900	124.900	41.660	15.789	6.963	5.880	0.884	0.532	0.270

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:39:50	482665.220	87.500	173.439	3600.454	3039.386	7631.726	463897.630	393.755
2	20:40:58	483633.080	75.000	171.876	3526.998	3100.336	7573.882	466231.160	326.566
3	20:42:06	486013.410	93.750	146.876	3530.124	3215.987	7805.257	466432.900	334.379
x̄		484103.900	85.417	164.063	3552.525	3118.570	7670.288	465520.560	351.567
σ		1723.037	9.547	14.905	41.537	89.701	120.411	1409.115	36.745
%RSD		0.356	11.177	9.085	1.169	2.876	1.570	0.303	10.452

C4482-03 MB9TC2 11/17/2011 08:46:38 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:47:46	9134.169	15.104	579.699	834.399	16191326.000	4403089.600	633576.110	758249.630	29204.822
2	20:48:54	9479.707	11.458	612.513	754.707	16224903.000	4355957.800	629030.120	752835.180	28600.476
3	20:50:02	9420.292	13.542	679.704	751.582	16241224.000	4352668.500	629715.600	761482.130	29259.621
x		9344.723	13.368	623.972	780.230	16219151.000	4370572.000	630773.940	757522.310	29021.640
σ		184.749	1.829	50.977	46.938	25441.176	28209.097	2450.830	4369.118	365.766
%RSD		1.977	13.683	8.170	6.016	0.157	0.645	0.389	0.577	1.260

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:47:46	532084.060	3942.732	46842.296	163110.260	2809782.400	51426.774	848859.200	75158.125	167.188
2	20:48:54	528987.820	3855.208	46898.731	165360.920	2800271.300	51613.382	849072.910	75337.189	175.001
3	20:50:02	531121.080	3958.361	46718.454	164785.580	2816879.400	51555.361	853366.170	75670.192	165.626
x		530730.990	3918.767	46819.827	164418.920	2808977.700	51531.839	850432.760	75388.502	169.272
σ		1584.550	55.596	92.215	1169.268	8333.240	95.502	2542.656	259.862	5.023
%RSD		0.299	1.419	0.197	0.711	0.297	0.185	0.299	0.345	2.967

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:47:46	4325.655	2081.402	1251.617	29699.590	115680.540	494049.320	17446.584	439.069	1209.426
2	20:48:54	4525.717	2126.721	1332.875	29355.129	117345.600	501628.570	17745.390	457.820	1234.428
3	20:50:02	4597.615	2061.086	1359.440	29389.575	117230.600	498368.980	17623.364	440.632	1323.499
x		4482.995	2089.736	1314.644	29481.432	116752.250	498015.620	17605.113	445.840	1255.784
σ		140.923	33.602	56.175	189.714	929.904	3801.963	150.236	10.404	59.960
%RSD		3.144	1.608	4.273	0.644	0.796	0.763	0.853	2.334	4.775

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:47:46	3625.460	1809.490	4344.411	285.420	14.063	14.063	266.669	24.479	19.792
2	20:48:54	3647.341	1762.609	4283.455	285.420	34.375	34.375	286.982	21.875	20.313
3	20:50:02	3666.095	1806.364	4180.299	288.024	21.875	21.875	253.127	31.250	14.583
x		3646.299	1792.821	4269.388	286.288	23.438	23.438	268.926	25.868	18.229
σ		20.338	26.211	82.955	1.504	10.246	10.246	17.040	4.839	3.168
%RSD		0.558	1.462	1.943	0.525	43.716	43.716	6.336	18.708	17.379

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:47:46	400.006	417.194	471.883	200.001	614.076	3.125	188407.710	117.188	23.438
2	20:48:54	392.193	398.443	431.257	185.939	573.449	0.000	189865.890	146.876	23.438
3	20:50:02	375.005	362.505	446.882	234.377	651.577	1.563	190492.900	114.063	25.000
x		389.068	392.714	450.007	206.772	613.034	1.563	189588.830	126.042	23.958
σ		12.790	27.791	20.493	24.919	39.075	1.563	1069.849	18.110	0.902
%RSD		3.287	7.077	4.554	12.051	6.374	100.000	0.564	14.368	3.765

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:47:46	3.125	3.125	34.375	7.813	248.440	510.947	13287.427	23730.631	463694.320
2	20:48:54	1.563	1.563	21.875	21.875	196.876	584.387	13279.607	23749.412	467502.980
3	20:50:02	3.125	3.125	18.750	20.313	271.878	585.950	13005.918	23772.889	466612.050
x		2.604	2.604	25.000	16.667	239.065	560.428	13190.984	23750.977	465936.450
σ		0.902	0.902	8.268	7.708	38.369	42.859	160.320	21.172	1992.186
%RSD		34.641	34.641	33.072	46.246	16.050	7.648	1.215	0.089	0.428

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:47:46	488492.740	60.938	170.314	5537.010	4811.748	11678.209	466560.400	2786.209
2	20:48:54	489897.440	67.188	148.438	5566.709	4952.421	11961.255	470347.210	2739.325
3	20:50:02	490506.890	65.625	120.313	5460.418	5169.685	11972.202	470762.110	2829.968
x		489632.360	64.583	146.355	5521.379	4977.951	11870.555	469223.240	2785.167
σ		1032.913	3.253	25.065	54.842	180.329	166.667	2315.400	45.330
%RSD		0.211	5.036	17.126	0.993	3.623	1.404	0.493	1.628

C4482-03LX5 MB9TC2L 11/17/2011 08:52:18 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	20:53:26	9631.371	6.771	146.876	465.633	3523894.400	923767.650	130584.740	155426.880	17351.156
2	20:54:34	9342.116	12.500	171.876	471.883	3519548.600	928742.360	128809.360	155417.400	17416.861
3	20:55:42	9317.100	14.063	151.563	426.569	3513334.800	924135.660	129854.700	155660.650	17077.389
x		9430.195	11.111	156.772	454.695	3518925.900	925548.560	129749.600	155501.640	17281.802
σ		174.671	3.839	13.289	24.557	5307.269	2772.025	892.346	137.787	180.049
%RSD		1.852	34.552	8.477	5.401	0.151	0.300	0.688	0.089	1.042

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	20:53:26	108995.470	1520.393	24857.545	153116.190	760054.340	10674.299	175112.020	77589.823	75.000
2	20:54:34	108986.020	1543.833	25150.244	154329.130	759547.160	10741.537	174284.810	77049.410	70.313
3	20:55:42	105658.040	1490.703	25259.812	155197.840	755689.490	10649.280	172295.270	76149.291	40.625
x		107879.840	1518.310	25089.201	154214.390	758430.330	10688.372	173897.370	76929.508	61.979
σ		1924.147	26.627	207.965	1045.562	2387.143	47.711	1447.794	727.713	18.641
%RSD		1.784	1.754	0.829	0.678	0.315	0.446	0.833	0.946	30.077

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	20:53:26	2483.028	935.968	848.463	8902.773	24400.508	144950.410	5643.302	145.313	359.380
2	20:54:34	2665.874	1040.663	828.149	8782.386	24278.425	144371.150	5316.614	112.500	356.254
3	20:55:42	2461.150	967.220	885.965	8707.340	24137.562	144623.690	5408.836	143.751	312.503
x		2536.684	981.284	854.192	8797.500	24272.165	144648.420	5456.251	133.855	342.712
σ		112.415	53.746	29.331	98.589	131.585	290.420	168.426	18.510	26.208
%RSD		4.432	5.477	3.434	1.121	0.542	0.201	3.087	13.828	7.647

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	20:53:26	895.341	392.193	931.280	82.292	14.063	14.063	256.773	19.792	19.792
2	20:54:34	845.338	389.068	981.284	101.042	6.250	6.250	254.169	18.750	22.396
3	20:55:42	904.716	429.694	1021.912	91.146	9.375	9.375	268.753	27.083	14.063
x		881.798	403.652	978.159	91.493	9.896	9.896	259.898	21.875	18.750
σ		31.922	22.607	45.396	9.380	3.932	3.932	7.778	4.541	4.263
%RSD		3.620	5.601	4.641	10.252	39.736	39.736	2.993	20.757	22.737

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	20:53:26	110.938	101.563	103.125	71.875	148.438	1.563	196756.630	118.750	15.625
2	20:54:34	114.063	110.938	101.563	68.750	139.063	0.000	196614.060	84.375	23.438
3	20:55:42	103.125	104.688	110.938	39.063	168.751	0.000	197271.470	140.626	15.625
x		109.375	105.730	105.209	59.896	152.084	0.521	196880.720	114.584	18.229
σ		5.634	4.774	5.023	18.110	15.176	0.902	345.825	28.356	4.511
%RSD		5.151	4.515	4.774	30.235	9.979	173.205	0.176	24.747	24.744

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	20:53:26	1.563	1.563	10.938	4.688	104.688	184.376	2656.497	4838.319	473453.590
2	20:54:34	0.000	0.000	15.625	0.000	110.938	167.188	2712.758	4919.597	472544.530
3	20:55:42	0.000	0.000	9.375	9.375	106.250	142.188	2719.009	4792.991	474843.920
x		0.521	0.521	11.979	4.688	107.292	164.584	2696.088	4850.302	473614.020
σ		0.902	0.902	3.253	4.688	3.253	21.214	34.429	64.148	1158.059
%RSD		173.205	173.205	27.152	100.000	3.032	12.890	1.277	1.323	0.245

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	20:53:26	500554.360	37.500	82.813	1176.611	1009.411	2481.466	488111.270	642.202
2	20:54:34	499383.170	42.188	98.438	1204.738	1048.476	2514.284	488423.230	617.201
3	20:55:42	500026.990	53.125	131.251	1137.545	1082.853	2506.470	481581.100	535.948
x		499988.180	44.271	104.167	1172.965	1046.913	2500.740	486038.540	598.450
σ		586.558	8.018	24.722	33.745	36.746	17.143	3863.403	55.553
%RSD		0.117	18.112	23.733	2.877	3.510	0.686	0.795	9.283

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:00:03	8898.083	15017.264	2461.150	406.256	13389423.000	10558676.000	1535883.900	1762505.400	2594792.200
2	21:01:11	9035.669	15021.435	2492.405	453.132	13371018.000	10578047.000	1539652.700	1768830.300	2570956.500
3	21:02:19	8987.201	15045.940	2498.656	376.567	13373466.000	10559062.000	1534478.600	1761011.400	2601270.800
x		8973.651	15028.213	2484.070	411.985	13377969.000	10565262.000	1536671.700	1764115.700	2589006.500
σ		69.787	15.493	20.094	38.603	9994.970	11074.364	2675.556	4150.729	15963.845
%RSD		0.778	0.103	0.809	9.370	0.075	0.105	0.174	0.235	0.617

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:00:03	31039.935	153571.030	33107.068	143744.570	8686734.100	41192.115	683266.020	72423.743	21804.127
2	21:01:11	31634.988	153964.290	32992.742	143791.920	8663282.400	41463.210	676325.290	72665.591	21735.272
3	21:02:19	30877.083	153321.500	32668.561	145114.560	8656885.400	41246.960	673599.360	72527.392	21816.646
x		31184.002	153618.940	32922.790	144217.020	8668967.300	41300.761	677730.220	72538.909	21785.348
σ		398.963	324.065	227.469	777.660	15715.442	143.332	4984.121	121.335	43.817
%RSD		1.279	0.211	0.691	0.539	0.181	0.347	0.735	0.167	0.201

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:00:03	335692.070	311504.920	37370.691	1189993.700	898593.470	19388068.000	498008.280	395731.230	87495.247
2	21:01:11	333560.180	309593.730	37503.852	1183884.900	893170.280	19354227.000	497718.760	394370.940	87369.480
3	21:02:19	334814.010	310679.420	37580.616	1171801.700	886740.840	19236914.000	496429.740	394030.490	86108.735
x		334688.750	310592.690	37485.053	1181893.400	892834.860	19326403.000	497385.590	394710.890	86991.154
σ		1071.448	958.543	106.217	9258.065	5933.428	79325.374	840.355	899.890	766.780
%RSD		0.320	0.309	0.283	0.783	0.665	0.410	0.169	0.228	0.881

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:00:03	443641.100	212075.060	151679.100	67399.767	3906.784	3906.784	12486.183	5184.274	18.750
2	21:01:11	434156.270	210879.430	150237.430	67264.758	3936.480	3936.480	12396.001	5224.914	13.542
3	21:02:19	435972.860	210724.030	150044.790	67215.569	3652.029	3652.029	12551.345	5143.113	20.833
x		437923.410	211226.170	150653.770	67293.365	3831.764	3831.764	12477.843	5184.100	17.708
σ		5034.277	739.250	893.170	95.373	156.362	156.362	78.007	40.901	3.756
%RSD		1.150	0.350	0.593	0.142	4.081	4.081	0.625	0.789	21.209

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:00:03	67149.635	118473.610	126676.350	74185.875	194795.660	1.563	182924.640	7641.106	369417.010
2	21:01:11	67579.781	118910.020	128133.000	75217.813	195422.890	0.000	183535.520	7483.209	370040.650
3	21:02:19	67972.262	117793.010	125402.690	74311.526	192508.720	1.563	184570.610	7678.626	367081.380
x		67567.226	118392.210	126737.350	74571.738	194242.420	1.042	183676.920	7600.980	368846.350
σ		411.457	562.935	1366.181	563.033	1533.834	0.902	832.045	103.703	1559.987
%RSD		0.609	0.475	1.078	0.755	0.790	86.603	0.453	1.364	0.423

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:00:03	5744.905	5744.905	360470.900	86470.284	238011.670	363855.090	337192.410	605694.040	456083.210
2	21:01:11	5571.399	5571.399	361345.710	87444.940	239257.210	363782.970	343244.960	604424.760	458947.800
3	21:02:19	5533.884	5533.884	357558.440	85799.068	236977.500	362422.480	340532.760	603761.640	456136.440
x		5616.729	5616.729	359791.680	86571.431	238082.130	363353.510	340323.380	604626.810	457055.820
σ		112.577	112.577	1982.893	827.585	1141.490	807.105	3031.701	981.918	1638.721
%RSD		2.004	2.004	0.551	0.956	0.479	0.222	0.891	0.162	0.359

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:00:03	479705.490	681939.200	1666418.100	555950.410	522798.950	1241132.300	459628.540	3055009.600
2	21:01:11	484906.420	681557.550	1657289.000	551280.830	518297.100	1235524.500	459468.840	3057408.800
3	21:02:19	482896.270	685715.220	1662089.000	549711.110	518005.550	1233174.500	459944.730	3053186.200
x		482502.730	683070.660	1661932.000	552314.120	519700.530	1236610.500	459680.700	3055201.500
σ		2622.704	2298.196	4566.604	3245.458	2687.263	4088.520	242.195	2117.863
%RSD		0.544	0.336	0.275	0.588	0.517	0.331	0.053	0.069

Reviewed By jaswal On 11/22/2011 1:16:48 PM Inst ID: P6

CCB50 11/17/2011 09:06:48 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:07:56	9450.000	18.229	50.000	309.378	219983.940	3106.588	418.756	501.571	14454.184
2	21:09:05	9087.264	18.229	31.250	335.941	221154.930	3328.513	404.693	520.322	14297.776
3	21:10:13	9217.035	12.500	26.563	289.065	220683.670	3733.300	470.320	600.013	14404.133
x		9251.433	16.319	35.938	311.462	220607.510	3389.467	431.257	540.635	14385.364
σ		183.798	3.308	12.402	23.507	589.202	317.771	34.553	52.270	79.875
%RSD		1.987	20.269	34.510	7.547	0.267	9.375	8.012	9.668	0.555

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:07:56	953.157	926.593	18790.475	150087.420	217727.890	28.125	878.152	76169.711	53.125
2	21:09:05	1056.289	968.783	19197.265	150141.110	220009.320	37.500	793.772	75426.722	54.688
3	21:10:13	906.279	912.529	19059.581	151764.380	220161.640	39.063	775.021	75888.533	26.563
x		971.908	935.968	19015.774	150664.300	219299.620	34.896	815.648	75828.322	44.792
σ		76.743	29.275	206.903	953.069	1363.285	5.916	54.936	375.136	15.806
%RSD		7.896	3.128	1.088	0.633	0.622	16.952	6.735	0.495	35.288

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:07:56	1604.778	634.389	598.450	3689.539	378.130	48859.975	2495.530	82.813	103.125
2	21:09:05	1434.447	548.448	487.508	3423.848	442.194	49364.831	2406.453	118.750	76.563
3	21:10:13	1489.140	559.386	542.198	3681.724	410.943	49473.017	2472.089	93.750	103.125
x		1509.455	580.741	542.719	3598.370	410.423	49232.608	2458.024	98.438	94.271
σ		86.963	46.781	55.473	151.191	32.035	327.212	46.174	18.422	15.336
%RSD		5.761	8.055	10.221	4.202	7.805	0.665	1.879	18.714	16.268

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:07:56	198.439	89.063	90.625	40.625	3.125	3.125	235.419	22.396	15.625
2	21:09:05	232.814	87.500	57.813	41.667	7.813	7.813	232.814	25.521	16.667
3	21:10:13	237.502	103.125	79.688	41.146	9.375	9.375	246.877	25.000	18.750
x		222.918	93.229	76.042	41.146	6.771	6.771	238.370	24.306	17.014
σ		21.329	8.606	16.707	0.521	3.253	3.253	7.482	1.674	1.591
%RSD		9.568	9.231	21.971	1.266	48.038	48.038	3.139	6.888	9.352

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:07:56	65.625	92.188	64.063	42.188	142.188	0.000	196251.310	157.813	59.375
2	21:09:05	54.688	79.688	71.875	60.938	98.438	0.000	193324.310	110.938	73.438
3	21:10:13	37.500	43.750	50.000	35.938	109.375	0.000	193151.680	126.563	71.875
x		52.604	71.875	61.979	46.354	116.667	0.000	194242.440	131.771	68.229
σ		14.178	25.146	11.085	13.010	22.768	0.000	1741.880	23.868	7.708
%RSD		26.952	34.986	17.886	28.067	19.516	0.000	0.897	18.113	11.297

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:07:56	4.688	4.688	68.750	14.063	350.004	698.455	62.500	96.875	472781.880
2	21:09:05	0.000	0.000	85.938	14.063	298.441	470.320	50.000	109.375	464002.520
3	21:10:13	0.000	0.000	64.063	15.625	239.065	429.694	45.313	115.625	465170.860
x		1.563	1.563	72.917	14.583	295.836	532.823	52.604	107.292	467318.420
σ		2.706	2.706	11.517	0.902	55.516	144.872	8.885	9.547	4767.423
%RSD		173.205	173.205	15.795	6.186	18.766	27.190	16.890	8.898	1.020

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:07:56	495878.260	160.938	332.816	121.876	139.063	296.878	490337.150	542.198
2	21:09:05	485963.310	157.813	375.005	120.313	146.876	276.565	481309.680	420.319
3	21:10:13	485106.800	170.314	426.569	171.876	121.876	390.630	480852.470	537.510
x		488982.790	163.022	378.130	138.022	135.938	321.358	484166.430	500.009
σ		5986.988	6.505	46.954	29.329	12.790	60.845	5348.884	69.054
%RSD		1.224	3.990	12.418	21.250	9.408	18.934	1.105	13.810

Reviewed By: eswat
On: 11/22/2011 1:46:48 PM
Inst id: P8

C4482-04 MB9TC2D 11/17/2011 09:14:42 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:15:50	9246.742	14.583	539.073	675.016	16281437.000	4390500.400	630357.040	760722.930	29118.709
2	21:16:58	9324.917	18.229	507.822	625.014	16263641.000	4412882.400	637380.480	760620.830	29035.728
3	21:18:06	9445.309	12.500	581.262	671.891	16348127.000	4397539.700	636114.970	762835.940	29845.206
x		9338.989	15.104	542.719	657.307	16297735.000	4400307.500	634617.500	761393.240	29333.214
σ		100.029	2.900	36.856	28.010	44539.000	11444.834	3743.526	1250.465	445.335
%RSD		1.071	19.199	6.791	4.261	0.273	0.260	0.590	0.164	1.518

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:15:50	536235.020	3905.221	46644.777	166195.520	2836649.900	52091.676	851697.440	76345.647	156.251
2	21:16:58	536504.230	3883.340	47024.142	166473.730	2836686.100	51505.180	858275.710	76997.569	173.439
3	21:18:06	539520.960	3888.029	47099.390	166745.620	2831894.300	51922.311	859814.210	76570.282	165.626
x		537420.070	3892.197	46922.769	166471.620	2835076.700	51839.723	856595.790	76637.833	165.105
σ		1824.396	11.521	243.671	275.058	2756.112	301.844	4311.279	331.169	8.606
%RSD		0.339	0.296	0.519	0.165	0.097	0.582	0.503	0.432	5.212

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:15:50	4064.641	1562.586	1014.099	28421.995	116939.170	479947.800	17477.873	514.072	1104.730
2	21:16:58	4324.092	1590.714	1237.554	28771.131	118205.780	483683.170	17044.537	453.132	1143.796
3	21:18:06	4546.036	1542.271	1342.251	28667.798	117952.130	485855.030	16919.388	459.382	1109.418
x		4311.589	1565.190	1197.968	28620.308	117699.020	483162.000	17147.266	475.529	1119.315
σ		240.941	24.326	167.619	179.347	670.166	2987.902	293.072	33.525	21.330
%RSD		5.588	1.554	13.992	0.627	0.569	0.618	1.709	7.050	1.906

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:15:50	3150.347	1617.279	3017.506	308.858	23.438	23.438	257.294	24.479	18.750
2	21:16:58	3301.944	1571.962	3126.905	306.774	29.688	29.688	248.440	28.646	18.750
3	21:18:06	3225.364	1517.268	3050.326	301.566	31.250	31.250	255.731	23.958	19.792
x		3225.885	1568.836	3064.912	305.732	28.125	28.125	253.822	25.694	19.097
σ		75.800	50.079	56.139	3.756	4.134	4.134	4.726	2.569	0.601
%RSD		2.350	3.192	1.832	1.228	14.699	14.699	1.862	9.999	3.149

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:15:50	378.130	406.256	551.573	254.690	726.581	0.000	189014.080	156.251	31.250
2	21:16:58	410.943	367.192	481.258	285.940	695.329	0.000	192572.060	100.000	34.375
3	21:18:06	373.442	418.756	500.009	239.065	653.140	0.000	189675.890	110.938	31.250
x		387.505	397.401	510.947	259.898	691.683	0.000	190420.680	122.396	32.292
σ		20.433	26.898	36.411	23.868	36.856	0.000	1892.312	29.825	1.804
%RSD		5.273	6.769	7.126	9.184	5.328	0.000	0.994	24.367	5.587

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:15:50	3.125	3.125	29.688	21.875	228.127	698.455	12883.932	23653.942	466960.670
2	21:16:58	0.000	0.000	26.563	6.250	239.065	685.954	13421.927	23312.756	469528.750
3	21:18:06	3.125	3.125	20.313	15.625	201.564	650.015	13354.677	23633.595	472011.720
x		2.083	2.083	25.521	14.583	222.918	678.141	13220.179	23533.431	469500.380
σ		1.804	1.804	4.774	7.864	19.285	25.147	293.133	191.380	2525.648
%RSD		86.603	86.603	18.704	53.927	8.651	3.708	2.217	0.813	0.538

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:15:50	492642.590	71.875	207.814	4264.699	3608.268	9167.003	469220.430	2715.883
2	21:16:58	497138.120	53.125	160.938	4252.195	3800.506	9329.608	473592.460	2836.219
3	21:18:06	497733.320	57.813	164.063	4324.092	3744.241	9115.407	475210.500	2728.386
x		495838.010	60.938	177.605	4280.329	3717.671	9204.006	472674.460	2760.163
σ		2783.270	9.758	26.208	38.412	98.834	111.792	3098.755	66.163
%RSD		0.561	16.013	14.756	0.897	2.659	1.215	0.656	2.397

C4482-05 MB9TC2S 11/17/2011 09:22:35 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:23:43	8777.696	5096.221	534.385	629.701	16593417.000	4457035.700	645745.430	771595.920	1763954.400
2	21:24:51	9127.915	5269.201	543.760	732.831	16729591.000	4476085.600	647346.760	773059.450	1789142.900
3	21:25:59	9026.288	5206.678	531.260	731.269	16755734.000	4478699.900	646595.090	775970.450	1771917.900
x		8977.300	5190.700	536.468	697.934	16692914.000	4470607.100	646562.430	773541.940	1775005.100
σ		180.176	87.590	6.505	59.096	87152.686	11825.592	801.168	2226.821	12874.933
%RSD		2.007	1.687	1.213	8.467	0.522	0.265	0.124	0.288	0.725

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:23:43	546922.710	3856.771	46720.022	455665.510	2898230.200	52847.570	868320.330	73097.474	157.813
2	21:24:51	559560.790	3897.407	46574.235	460849.770	2877759.700	52519.802	873993.260	73323.628	165.626
3	21:25:59	552759.800	3916.162	46444.124	464018.660	2871145.500	52262.611	869762.000	72918.437	157.813
x		553081.100	3890.113	46579.460	460177.980	2882378.500	52543.328	870691.870	73113.180	160.418
σ		6325.161	30.360	138.023	4216.901	14120.734	293.188	2948.560	203.052	4.511
%RSD		1.144	0.780	0.296	0.916	0.490	0.558	0.339	0.278	2.812

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:23:43	1154563.800	425926.520	57841.862	200500.330	1618479.100	3086460.300	83741.601	1342616.200	297811.240
2	21:24:51	1159899.200	427503.850	59553.561	200864.770	1620911.100	3094066.800	84587.186	1351681.300	300194.730
3	21:25:59	1164427.600	429659.270	60319.264	202474.760	1624481.500	3090745.700	84283.838	1346720.600	299491.130
x		1159630.200	427696.550	59238.229	201279.960	1621290.600	3090424.200	84204.208	1347006.000	299165.700
σ		4937.369	1873.824	1268.446	1050.655	3019.130	3813.464	428.380	4539.319	1224.616
%RSD		0.426	0.438	2.141	0.522	0.186	0.123	0.509	0.337	0.409

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:23:43	378209.840	182828.100	261565.030	19583.727	2704.944	2704.944	8450.415	3597.849	20.313
2	21:24:51	380621.060	185570.940	262335.210	19724.024	2622.116	2622.116	8632.816	3584.304	20.833
3	21:25:59	380298.580	184507.300	261771.900	19800.692	2815.903	2815.903	8476.994	3517.621	25.521
x		379709.830	184302.110	261890.720	19702.814	2714.321	2714.321	8520.075	3566.591	22.222
σ		1308.997	1382.884	398.601	110.027	97.233	97.233	98.537	42.947	2.869
%RSD		0.345	0.750	0.152	0.558	3.582	3.582	1.157	1.204	12.908

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:23:43	428.131	457.820	532.822	342.192	735.956	3.125	181805.800	2608.051	117247.930
2	21:24:51	407.818	456.257	550.011	315.628	795.335	1.563	181900.750	2733.074	117473.210
3	21:25:59	410.943	512.509	487.508	284.378	789.084	6.250	182370.750	2595.548	117121.900
x		415.631	475.529	523.447	314.066	773.458	3.646	182025.770	2645.558	117281.010
σ		10.938	32.036	32.289	28.939	32.628	2.387	302.511	76.049	177.973
%RSD		2.632	6.737	6.168	9.214	4.218	65.465	0.166	2.875	0.152

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:23:43	1907.940	1907.940	114700.820	30139.573	339.067	250085.630	926109.070	1662512.500	450926.450
2	21:24:51	1981.387	1981.387	113738.480	29768.483	340.629	249341.540	931019.590	1659139.500	454360.860
3	21:25:59	1992.326	1992.326	114760.670	30238.218	371.880	249891.650	931384.450	1662484.500	457971.900
x		1960.551	1960.551	114399.990	30048.758	350.525	249772.940	929504.370	1661378.800	454419.740
σ		45.890	45.890	573.664	247.686	18.510	385.987	2946.068	1939.317	3523.095
%RSD		2.341	2.341	0.501	0.824	5.281	0.155	0.317	0.117	0.775

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:23:43	478083.710	234628.260	572281.370	84992.707	73945.572	180603.190	457781.570	2776.832
2	21:24:51	481749.120	236724.920	577845.650	85843.081	74707.332	181470.330	458738.100	2912.797
3	21:25:59	481164.280	235478.010	576115.320	86209.339	74872.255	181475.070	457276.720	2794.023
x		480332.370	235610.400	575414.110	85681.709	74508.386	181182.860	457932.130	2827.884
σ		1969.230	1054.584	2847.642	624.163	494.338	502.017	742.229	74.037
%RSD		0.410	0.448	0.495	0.728	0.663	0.277	0.162	2.618

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:31:37	8970.003	557.823	64.063	387.505	2035315.000	516398.930	72371.919	87048.782	223159.180
2	21:32:45	9303.028	563.553	87.500	443.757	2030694.000	513646.050	71979.318	85722.045	221978.500
3	21:33:53	9162.312	566.678	71.875	389.068	2018344.900	510958.450	71940.058	85954.687	222856.070
x̄		9145.114	562.685	74.479	406.777	2028118.000	513667.810	72097.098	86241.838	222664.580
σ		167.177	4.491	11.934	32.035	8773.412	2720.302	238.810	708.448	613.190
%RSD		1.828	0.798	16.023	7.875	0.433	0.530	0.331	0.821	0.275

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:31:37	61755.066	1264.118	21699.280	186300.660	523179.700	6027.834	97427.973	75268.076	60.938
2	21:32:45	61061.469	1209.426	21862.028	185028.030	520608.600	5780.857	96690.174	75282.213	59.375
3	21:33:53	60386.735	1185.987	21866.723	186120.200	517328.550	5968.434	96827.033	75043.462	53.125
x̄		61067.757	1219.844	21809.344	185816.300	520372.280	5925.708	96981.727	75197.917	57.813
σ		684.187	40.094	95.347	688.597	2932.727	128.913	392.473	133.949	4.134
%RSD		1.120	3.287	0.437	0.371	0.564	2.175	0.405	0.178	7.151

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:31:37	132724.640	48577.765	8321.173	25986.113	181304.180	405676.300	11662.571	151352.230	33453.186
2	21:32:45	132844.500	47630.835	8397.780	25626.089	180786.740	401875.800	11265.378	149422.700	33248.020
3	21:33:53	132563.780	47655.918	8225.805	25241.029	180096.860	403267.330	11686.028	149814.270	33110.201
x̄		132710.970	47954.839	8314.919	25617.744	180729.260	403606.480	11537.992	150196.400	33270.469
σ		140.855	539.615	86.158	372.612	605.707	1922.813	236.382	1019.945	172.591
%RSD		0.106	1.125	1.036	1.455	0.335	0.476	2.049	0.679	0.519

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:31:37	43053.842	20705.619	29381.747	2266.847	348.442	348.442	1184.945	407.297	16.146
2	21:32:45	42699.656	20323.822	29475.690	2260.595	334.379	334.379	1172.965	415.631	17.708
3	21:33:53	42307.868	20450.565	29773.181	2322.064	317.191	317.191	1182.341	390.630	14.063
x̄		42687.122	20493.335	29543.539	2283.169	333.337	333.337	1180.084	404.520	15.972
σ		373.145	194.459	204.347	33.829	15.651	15.651	6.301	12.730	1.829
%RSD		0.874	0.949	0.692	1.482	4.695	4.695	0.534	3.147	11.452

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:31:37	62.500	76.563	75.000	32.813	106.250	1.563	192757.350	384.380	12241.180
2	21:32:45	50.000	51.563	84.375	35.938	123.438	1.563	194540.650	365.630	12729.106
3	21:33:53	76.563	75.000	71.875	54.688	125.001	0.000	193972.060	395.318	12324.064
x̄		63.021	67.708	77.084	41.146	118.230	1.042	193756.690	381.776	12431.450
σ		13.289	14.005	6.505	11.831	10.404	0.902	910.952	15.014	261.088
%RSD		21.087	20.684	8.439	28.754	8.800	86.603	0.470	3.933	2.100

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:31:37	225.002	225.002	12317.808	3276.938	90.625	27606.336	103227.870	183423.160	469858.070
2	21:32:45	196.876	196.876	12098.871	3328.513	101.563	27352.723	101961.010	182142.870	471030.110
3	21:33:53	270.315	270.315	12217.722	3516.058	73.438	27499.881	102127.820	182946.790	468694.200
x̄		230.731	230.731	12211.467	3373.836	88.542	27486.313	102438.900	182837.610	469860.790
σ		37.053	37.053	109.602	125.838	14.178	127.349	688.341	647.090	1167.958
%RSD		16.059	16.059	0.898	3.730	16.013	0.463	0.672	0.354	0.249

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:31:37	493029.020	26487.032	63971.035	9590.718	8182.030	20042.174	480398.520	393.755
2	21:32:45	494670.260	25925.065	63435.844	9564.138	8153.889	20034.351	482028.630	409.381
3	21:33:53	494861.070	26380.585	63139.222	9290.520	8099.170	19727.674	482090.030	360.942
x̄		494186.790	26264.227	63515.367	9481.792	8145.030	19934.733	481505.730	388.026
σ		1007.181	298.506	421.570	166.179	42.134	179.361	959.363	24.722
%RSD		0.204	1.137	0.664	1.753	0.517	0.900	0.199	6.371

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:39:31	9537.558	14.583	654.703	825.024	15977479.000	4521342.500	649616.710	776587.010	29004.414
2	21:40:40	9399.967	10.938	646.890	870.339	15950982.000	4502099.700	653117.930	785139.110	29196.993
3	21:41:48	9345.243	10.938	700.017	898.466	16121352.000	4571356.400	656121.270	790177.710	29211.085
x̄		9427.589	12.153	667.203	864.610	16016604.000	4531599.500	652951.970	783967.940	29137.497
σ		99.088	2.105	28.685	37.055	91676.095	35749.528	3255.456	6870.627	115.469
%RSD		1.051	17.321	4.299	4.286	0.572	0.789	0.499	0.876	0.396

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:39:31	524106.510	2995.627	45790.457	168557.320	2884180.900	52083.835	856150.580	77203.363	129.688
2	21:40:40	527736.550	3161.287	46602.451	169259.300	2864205.300	52471.186	864193.530	76081.745	201.564
3	21:41:48	528537.220	3025.320	46467.638	169158.110	2895321.400	52789.543	874824.720	75670.192	175.001
x̄		526793.430	3060.745	46286.849	168991.580	2881235.900	52448.188	865056.280	76318.433	168.751
σ		2361.124	88.329	435.141	379.464	15765.697	353.416	9366.915	793.517	36.343
%RSD		0.448	2.886	0.940	0.225	0.547	0.674	1.083	1.040	21.537

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:39:31	6982.956	6112.245	2523.660	26487.032	209173.370	438042.560	16024.608	676.579	1662.597
2	21:40:40	6876.655	6170.082	2562.730	26663.923	211794.380	443302.710	16370.312	690.642	1675.098
3	21:41:48	7070.499	6206.035	2501.782	26349.278	213987.640	449860.820	16221.705	673.453	1687.600
x̄		6976.703	6162.787	2529.391	26500.078	211651.790	443735.360	16205.541	680.225	1675.098
σ		97.073	47.319	30.876	157.728	2410.299	5920.997	173.418	9.156	12.501
%RSD		1.391	0.768	1.221	0.595	1.139	1.334	1.070	1.346	0.746

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:39:31	4091.211	2007.954	4872.706	328.650	37.500	37.500	258.857	23.438	14.063
2	21:40:40	3984.931	1984.513	4893.025	310.420	43.750	43.750	232.814	29.167	18.750
3	21:41:48	4122.470	2023.581	5143.113	332.816	31.250	31.250	283.857	32.813	20.313
x̄		4066.204	2005.349	4969.615	323.962	37.500	37.500	258.509	28.472	17.708
σ		72.099	19.664	150.597	11.911	6.250	6.250	25.523	4.726	3.253
%RSD		1.773	0.981	3.030	3.677	16.667	16.667	9.873	16.598	18.368

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:39:31	356.254	401.568	384.380	256.252	625.014	0.000	190171.470	120.313	25.000
2	21:40:40	387.505	395.318	446.882	243.752	631.264	1.563	191686.840	121.876	29.688
3	21:41:48	392.193	385.943	457.820	231.252	578.137	0.000	191091.440	129.688	21.875
x̄		378.651	394.276	429.694	243.752	611.471	0.521	190983.250	123.959	25.521
σ		19.537	7.865	39.622	12.500	29.037	0.902	763.453	5.023	3.932
%RSD		5.160	1.995	9.221	5.128	4.749	173.205	0.400	4.052	15.408

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:39:31	4.688	4.688	14.063	21.875	243.752	710.955	14796.722	26408.762	475149.140
2	21:40:40	4.688	4.688	20.313	17.188	239.065	667.203	15278.478	26969.183	473327.640
3	21:41:48	0.000	0.000	26.563	18.750	207.814	646.890	15082.958	27100.681	469017.040
x̄		3.125	3.125	20.313	19.271	230.210	675.016	15052.719	26826.209	472497.940
σ		2.706	2.706	6.250	2.387	19.537	32.740	242.298	367.450	3149.123
%RSD		86.603	86.603	30.769	12.385	8.486	4.850	1.610	1.370	0.666

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:39:31	499912.140	190.626	478.133	9562.574	8713.594	20871.486	477486.090	2733.074
2	21:40:40	498464.410	176.564	495.321	9471.889	8601.026	20887.133	480571.370	2734.637
3	21:41:48	497102.540	167.188	454.695	9478.143	8608.843	20802.635	476140.720	2797.149
x̄		498493.030	178.126	476.050	9504.202	8641.154	20853.751	478066.060	2754.953
σ		1405.017	11.797	20.393	50.648	62.856	44.954	2271.552	36.551
%RSD		0.282	6.623	4.284	0.533	0.727	0.216	0.475	1.327

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:47:26	9512.541	11.979	559.386	696.892	15902795.000	4328765.100	621593.100	749609.520	25375.642
2	21:48:34	9581.337	12.500	537.510	775.021	15931741.000	4367582.700	632340.310	749074.720	25364.685
3	21:49:42	9484.397	13.542	570.324	801.585	16070137.000	4380246.900	629524.640	753885.320	25248.855
x		9526.092	12.674	555.740	757.833	15968224.000	4358864.900	627819.350	750856.520	25329.728
σ		49.870	0.796	16.708	54.422	89437.382	26825.259	5572.850	2636.611	70.251
%RSD		0.524	6.278	3.006	7.181	0.560	0.615	0.888	0.351	0.277

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:47:26	520513.020	3820.823	46215.259	166037.450	2793270.800	51607.110	840263.310	75943.512	140.626
2	21:48:34	523085.730	3773.936	46569.532	167855.380	2792184.500	51335.822	844550.690	76069.178	179.689
3	21:49:42	526433.520	3866.148	45939.371	168285.400	2808321.900	51193.124	848549.390	76045.615	168.751
x		523344.090	3820.303	46241.387	167392.740	2797925.800	51378.685	844454.470	76019.435	163.022
σ		2968.694	46.108	315.892	1193.250	9019.706	210.295	4143.877	66.799	20.152
%RSD		0.567	1.207	0.683	0.713	0.322	0.409	0.491	0.088	12.361

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:47:26	6127.877	4292.832	2245.489	27387.164	130062.830	457717.050	16271.762	476.570	1192.237
2	21:48:34	6601.525	4369.418	2112.656	27319.848	130714.040	463255.410	16986.656	470.320	1146.921
3	21:49:42	6454.583	4260.010	2197.044	28003.983	131463.060	464346.240	16617.472	485.946	1159.422
x		6394.661	4307.420	2185.063	27570.332	130746.640	461772.900	16625.296	477.612	1166.193
σ		242.443	56.144	67.222	377.058	700.684	3554.560	357.511	7.865	23.405
%RSD		3.791	1.303	3.076	1.368	0.536	0.770	2.150	1.647	2.007

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:47:26	3089.397	1598.527	4542.910	307.295	20.313	20.313	282.294	28.125	20.313
2	21:48:34	3150.347	1482.890	4563.229	302.087	32.813	32.813	268.232	25.000	10.417
3	21:49:42	3173.790	1551.647	4572.607	314.587	29.688	29.688	269.794	29.688	15.625
x		3137.845	1544.354	4559.582	307.989	27.604	27.604	273.440	27.604	15.451
σ		43.564	58.163	15.181	6.279	6.505	6.505	7.708	2.387	4.950
%RSD		1.388	3.766	0.333	2.039	23.566	23.566	2.819	8.646	32.037

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:47:26	398.443	382.818	407.818	267.190	667.203	1.563	190673.410	121.876	12.500
2	21:48:34	362.505	406.256	464.070	210.939	593.762	0.000	191594.990	110.938	20.313
3	21:49:42	362.505	375.005	453.132	300.003	617.201	0.000	192700.340	117.188	15.625
x		374.484	388.026	441.674	259.377	626.055	0.521	191656.250	116.667	16.146
σ		20.749	16.263	29.825	45.043	37.513	0.902	1014.851	5.487	3.932
%RSD		5.541	4.191	6.753	17.366	5.992	173.205	0.530	4.703	24.354

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:47:26	1.563	1.563	10.938	12.500	212.502	528.135	13320.270	24137.562	472187.710
2	21:48:34	0.000	0.000	21.875	21.875	207.814	493.759	14031.888	24409.899	477704.140
3	21:49:42	4.688	4.688	7.813	7.813	189.064	501.571	13900.510	24223.645	472778.660
x		2.083	2.083	13.542	14.063	203.126	507.822	13750.889	24257.035	474223.500
σ		2.387	2.387	7.384	7.160	12.402	18.020	378.669	139.205	3028.766
%RSD		114.564	114.564	54.529	50.918	6.106	3.549	2.754	0.574	0.639

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	21:47:26	500568.920	120.313	314.066	4447.567	4003.686	9620.426	475289.630	2719.009
2	21:48:34	500465.390	115.625	271.878	4433.500	4144.351	9739.256	478137.010	2842.470
3	21:49:42	499569.200	112.500	287.503	4641.379	4070.892	9859.651	474761.570	2769.018
x		500201.170	116.146	291.149	4507.482	4072.977	9739.778	476062.740	2776.832
σ		549.745	3.932	21.329	116.171	70.356	119.614	1815.675	62.101
%RSD		0.110	3.386	7.326	2.577	1.727	1.228	0.381	2.236

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	21:55:21	9304.592	12.500	667.203	837.525	16250594.000	4602331.200	661784.680	787875.980	45743.432
2	21:56:29	9246.742	13.542	701.580	809.398	16240712.000	4580892.100	662509.320	791600.190	45944.074
3	21:57:37	9626.680	10.417	745.332	859.401	16222808.000	4576027.800	664855.250	791624.940	45539.657
x		9392.671	12.153	704.705	835.441	16238038.000	4586417.000	663049.750	790367.030	45742.388
σ		204.711	1.591	39.158	25.066	14084.387	13995.043	1605.039	2157.356	202.210
%RSD		2.179	13.093	5.557	3.000	0.087	0.305	0.242	0.273	0.442
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	21:55:21	536017.720	3190.981	46058.504	166483.210	2882708.400	53189.460	876331.760	76081.745	195.314
2	21:56:29	531704.700	3333.201	46329.691	167536.040	2871664.500	53484.308	879670.030	76804.346	210.939
3	21:57:37	537571.370	3378.525	46436.287	167684.640	2878954.700	52571.554	881781.950	75400.019	223.439
x		535097.930	3300.902	46274.827	167234.630	2877775.800	53081.774	879261.250	76095.370	209.897
σ		3039.567	97.855	194.775	654.976	5615.531	465.808	2747.996	702.262	14.092
%RSD		0.568	2.964	0.421	0.392	0.195	0.878	0.313	0.923	6.714
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	21:55:21	6260.747	3065.954	1873.560	39122.246	222324.440	656265.160	21079.603	706.267	1301.622
2	21:56:29	6137.256	2939.365	1957.947	38683.554	221702.380	660647.900	21450.467	615.638	1225.053
3	21:57:37	6273.252	2992.501	1898.564	38457.946	220812.190	653248.710	21232.955	671.891	1239.116
x		6223.751	2999.273	1910.024	38754.582	221613.010	656720.590	21254.342	664.599	1255.264
σ		75.168	63.566	43.345	337.798	760.075	3720.559	186.355	45.753	40.759
%RSD		1.208	2.119	2.269	0.872	0.343	0.567	0.877	6.884	3.247
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	21:55:21	3581.699	1745.419	3530.124	313.024	28.125	28.125	286.982	26.042	15.104
2	21:56:29	3356.644	1615.716	3476.986	335.421	18.750	18.750	272.919	31.250	17.708
3	21:57:37	3447.291	1626.655	3594.202	311.462	39.063	39.063	252.606	27.604	18.229
x		3461.878	1662.597	3533.770	319.969	28.646	28.646	270.836	28.299	17.014
σ		113.234	71.934	58.693	13.404	10.166	10.166	17.282	2.673	1.674
%RSD		3.271	4.327	1.661	4.189	35.490	35.490	6.381	9.445	9.840
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	21:55:21	437.507	417.194	406.256	251.565	710.955	0.000	191336.880	128.126	14.063
2	21:56:29	406.256	353.129	398.443	243.752	637.514	1.563	191419.220	118.750	31.250
3	21:57:37	404.693	354.692	415.631	262.502	623.451	1.563	191574.410	121.876	15.625
x		416.152	375.005	406.777	252.606	657.307	1.042	191443.500	122.917	20.313
σ		18.510	36.545	8.606	9.418	46.990	0.902	120.610	4.774	9.504
%RSD		4.448	9.745	2.116	3.729	7.149	86.603	0.063	3.884	46.791
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	21:55:21	0.000	0.000	15.625	12.500	1568.836	703.142	15527.184	26970.748	473960.620
2	21:56:29	4.688	4.688	20.313	23.438	1584.463	651.577	15348.866	27114.770	471724.340
3	21:57:37	1.563	1.563	17.188	9.375	1611.028	643.765	15314.454	26984.837	471646.840
x		2.083	2.083	17.708	15.104	1588.109	666.161	15396.835	27023.452	472443.930
σ		2.387	2.387	2.387	7.384	21.331	32.264	114.189	79.397	1314.062
%RSD		114.564	114.564	13.478	48.888	1.343	4.843	0.742	0.294	0.278
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	21:55:21	496217.880	87.500	256.252	5921.539	5447.914	12736.925	475465.660	2901.857	
2	21:56:29	496009.260	96.875	232.814	5980.939	5358.817	13213.921	477455.400	2901.857	
3	21:57:37	496209.790	73.438	228.127	6079.418	5538.573	13168.567	473484.270	2934.676	
x		496145.640	85.938	239.065	5993.966	5448.435	13039.804	475468.440	2912.797	
σ		118.184	11.797	15.068	79.741	89.879	263.279	1985.567	18.948	
%RSD		0.024	13.727	6.303	1.330	1.650	2.019	0.418	0.651	

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:03:16	9202.963	16.146	635.952	821.899	14860197.000	3974060.200	569849.500	685379.350	41756.249
2	22:04:25	9113.844	13.542	621.889	875.027	14844967.000	3979085.100	572211.470	685518.620	41765.651
3	22:05:33	9450.000	10.417	656.265	784.397	14797469.000	3974167.300	572630.910	683462.600	40975.869
x		9255.602	13.368	638.035	827.107	14834211.000	3975770.900	571563.960	684786.850	41499.256
σ		174.150	2.869	17.283	45.539	32718.257	2870.738	1499.503	1148.954	453.291
%RSD		1.882	21.458	2.709	5.506	0.221	0.072	0.262	0.168	1.092

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:03:16	488819.250	3973.990	44701.077	163916.280	2576472.300	47246.750	777404.740	74696.337	278.128
2	22:04:25	496965.070	3884.903	44950.295	164064.850	2589507.700	47088.416	775423.150	75830.414	254.690
3	22:05:33	486200.880	3898.970	44508.289	164504.240	2572103.000	46870.514	773652.810	74699.479	232.814
x		490661.730	3919.288	44719.887	164161.790	2579361.000	47068.560	775493.570	75075.410	255.211
σ		5613.642	47.893	221.602	305.728	9054.807	188.902	1876.955	653.854	22.661
%RSD		1.144	1.222	0.496	0.186	0.351	0.401	0.242	0.871	8.879

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:03:16	6151.324	1476.639	1659.471	77382.453	759710.180	1332767.400	37774.877	1326.624	1321.936
2	22:04:25	5879.335	1582.900	1728.230	78106.691	752619.560	1336490.800	37402.023	1373.504	1295.371
3	22:05:33	6135.692	1520.393	1678.224	77957.441	755704.310	1338543.700	37475.653	1373.504	1317.248
x		6055.450	1526.644	1688.642	77815.528	756011.350	1335934.000	37550.851	1357.877	1311.519
σ		152.721	53.406	35.543	382.406	3555.265	2928.125	197.474	27.066	14.179
%RSD		2.522	3.498	2.105	0.491	0.470	0.219	0.526	1.993	1.081

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:03:16	3548.878	1629.781	4336.596	407.297	35.938	35.938	265.627	28.125	16.667
2	22:04:25	3403.530	1668.848	4370.981	383.859	25.000	25.000	282.815	29.688	18.229
3	22:05:33	3564.507	1681.349	4263.136	372.401	23.438	23.438	255.731	25.000	22.396
x		3505.639	1659.992	4323.571	387.852	28.125	28.125	268.058	27.604	19.097
σ		88.773	26.901	55.090	17.788	6.811	6.811	13.705	2.387	2.962
%RSD		2.532	1.621	1.274	4.586	24.216	24.216	5.113	8.646	15.508

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:03:16	376.567	337.504	384.380	206.251	540.635	3.125	188982.410	112.500	21.875
2	22:04:25	379.693	384.380	418.756	212.502	559.386	4.688	191167.450	112.500	14.063
3	22:05:33	384.380	304.691	395.318	170.314	584.387	0.000	189433.640	132.813	17.188
x		380.213	342.192	399.485	196.356	561.469	2.604	189861.170	119.271	17.708
σ		3.932	40.051	17.563	22.769	21.950	2.387	1153.550	11.728	3.932
%RSD		1.034	11.704	4.396	11.596	3.909	91.652	0.608	9.833	22.205

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:03:16	3.125	3.125	6.250	12.500	212.502	534.385	13689.368	24207.994	464617.340
2	22:04:25	0.000	0.000	14.063	14.063	229.689	498.446	13911.458	24480.332	467561.080
3	22:05:33	3.125	3.125	14.063	15.625	201.564	537.510	13579.889	24618.068	469703.100
x		2.083	2.083	11.458	14.063	214.585	523.447	13726.905	24435.465	467293.840
σ		1.804	1.804	4.511	1.563	14.178	21.708	168.941	208.687	2553.389
%RSD		86.603	86.603	39.365	11.111	6.607	4.147	1.231	0.854	0.546

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:03:16	493045.190	79.688	157.813	6290.447	5513.564	13476.666	473464.890	2653.371
2	22:04:25	492780.020	114.063	175.001	6137.256	5585.467	13670.600	472536.460	2722.134
3	22:05:33	495868.560	82.813	203.126	6327.964	5735.526	13651.832	473314.730	2715.883
x		493897.920	92.188	178.647	6251.889	5611.519	13599.700	473105.360	2697.130
σ		1711.762	19.009	22.875	101.032	113.251	106.963	498.369	38.024
%RSD		0.347	20.620	12.805	1.616	2.018	0.787	0.105	1.410

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:11:13	9682.968	11.458	96.875	671.891	387056.170	20974.762	2964.370	3437.914	15774.329
2	22:12:21	9834.634	10.417	84.375	701.580	380917.880	20918.429	3014.381	3508.243	15635.114
3	22:13:29	10080.118	9.375	60.938	662.515	375454.190	20783.858	2925.300	3400.405	15793.100
x		9865.907	10.417	80.729	678.662	381142.740	20892.350	2968.017	3448.854	15734.181
σ		200.413	1.042	18.244	20.393	5804.258	98.088	44.652	54.745	86.307
%RSD		2.031	10.000	22.599	3.005	1.523	0.469	1.504	1.587	0.549

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:11:13	4000.560	1017.224	19840.330	2527468.700	263504.890	609.388	12338.138	72414.320	90.625
2	22:12:21	3813.009	1021.912	19338.080	2574382.200	265265.140	623.451	12413.203	72909.014	56.250
3	22:13:29	3541.064	1070.353	20004.622	2595018.500	264308.590	642.202	12239.616	73124.172	64.063
x		3784.878	1036.496	19727.677	2565623.100	264359.540	625.014	12330.319	72815.836	70.313
σ		231.036	29.414	347.257	34616.217	881.233	16.463	87.057	363.984	18.020
%RSD		6.104	2.838	1.760	1.349	0.333	2.634	0.706	0.500	25.628

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:11:13	199313.590	2786.209	67317.610	8571.321	8006.931	117960.010	3667.658	60.938	279.690
2	22:12:21	228913.220	2761.204	76904.884	8743.300	7917.819	119300.760	3725.486	65.625	312.503
3	22:13:29	251710.670	2979.998	85497.267	8766.752	8067.903	118615.400	3655.155	54.688	225.002
x		226645.830	2842.471	76573.254	8693.791	7997.551	118625.390	3682.766	60.417	272.398
σ		26272.028	119.757	9094.364	106.708	75.480	670.432	37.521	5.487	44.204
%RSD		11.592	4.213	11.877	1.227	0.944	0.565	1.019	9.082	16.228

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:11:13	976.596	454.695	1618.842	2993.543	960.970	960.970	200.522	15.104	19.271
2	22:12:21	1009.411	493.759	1784.486	3294.130	1179.736	1179.736	229.689	14.063	17.188
3	22:13:29	934.406	489.071	1820.429	3464.483	1104.730	1104.730	216.147	22.396	16.667
x		973.471	479.175	1741.252	3250.718	1081.812	1081.812	215.453	17.188	17.708
σ		37.600	21.329	107.523	238.452	111.169	111.169	14.596	4.541	1.378
%RSD		3.862	4.451	6.175	7.335	10.276	10.276	6.775	26.418	7.782

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:11:13	54.688	10.938	25.000	7.813	21.875	1.563	183174.690	110.938	98.438
2	22:12:21	34.375	18.750	25.000	14.063	25.000	4.688	187554.400	110.938	59.375
3	22:13:29	35.938	18.750	17.188	10.938	21.875	3.125	187755.460	125.001	46.875
x		41.667	16.146	22.396	10.938	22.917	3.125	186161.520	115.625	68.229
σ		11.303	4.511	4.511	3.125	1.804	1.563	2588.623	8.119	26.898
%RSD		27.128	27.936	20.140	28.571	7.873	50.000	1.391	7.022	39.422

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:11:13	1.563	1.563	115.625	26.563	564.074	175.001	254.690	446.882	446382.350
2	22:12:21	0.000	0.000	79.688	23.438	459.382	170.314	234.377	459.382	448166.610
3	22:13:29	0.000	0.000	62.500	10.938	457.820	146.876	287.503	446.882	448771.090
x		0.521	0.521	85.938	20.313	493.759	164.053	258.857	451.049	447773.350
σ		0.902	0.902	27.109	8.268	60.900	15.068	26.807	7.217	1241.980
%RSD		173.205	173.205	31.544	40.704	12.334	9.184	10.356	1.600	0.277

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:11:13	467086.560	157.813	385.943	6923.552	6896.977	15807.178	459857.610	101.563
2	22:12:21	472512.240	140.626	303.128	7168.986	6673.433	16013.658	462689.060	96.875
3	22:13:29	473760.390	87.500	271.878	6887.598	6567.134	15921.367	463963.790	85.938
x		471119.730	128.646	320.316	6993.379	6712.515	15914.068	462170.160	94.792
σ		3548.144	36.655	58.943	153.139	168.359	103.433	2101.695	8.018
%RSD		0.753	28.493	18.402	2.190	2.508	0.650	0.455	8.459

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:19:09	9270.194	51.563	1367.253	887.528	11960456.000	4780862.300	691180.310	826338.390	1256571.900
2	22:20:17	9396.840	42.708	1381.317	892.215	12047744.000	4799055.000	688358.200	823667.120	1258538.900
3	22:21:25	9478.143	48.958	1450.074	807.835	12122733.000	4836244.100	691885.100	827880.170	1267335.000
x		9381.726	47.743	1399.548	862.526	12043644.000	4805387.100	690474.540	825961.890	1260815.300
σ		104.795	4.550	44.318	47.422	81216.490	28228.665	1866.371	2131.612	5731.308
%RSD		1.117	9.531	3.167	5.498	0.674	0.587	0.270	0.258	0.455

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:19:09	1213275.700	38746.223	57237.874	2267147.600	3783891.200	30864.556	512572.570	70514.226	3728.612
2	22:20:17	1205538.200	38722.722	57617.521	2291139.900	3789081.200	30659.427	508973.840	70187.623	3680.162
3	22:21:25	1210878.300	38799.493	57426.128	2316607.900	3817348.800	30899.005	511431.180	70057.298	3587.951
x		1209897.400	38756.146	57427.174	2291631.800	3796773.700	30807.663	510992.530	70253.049	3665.575
σ		3960.949	39.335	189.825	24733.817	18006.497	129.526	1839.031	235.385	71.456
%RSD		0.327	0.101	0.331	1.079	0.474	0.420	0.360	0.335	1.949

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:19:09	273330.690	11664.135	88292.316	1827661.200	275676.690	30010624.000	766894.830	8662.000	8687.015
2	22:20:17	310837.490	11800.184	99839.852	1840964.800	277586.580	30171554.000	773741.810	8586.955	8887.139
3	22:21:25	336376.640	12291.223	108908.880	1846609.700	276904.780	30293969.000	775556.680	8855.869	8904.337
x		306848.270	11918.514	99013.681	1838411.900	276722.680	30158716.000	772054.440	8701.608	8826.164
σ		31711.726	329.866	10333.081	9728.799	967.880	142108.250	4568.048	138.763	120.812
%RSD		10.335	2.768	10.436	0.529	0.350	0.471	0.592	1.595	1.369

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:19:09	9722.057	4855.512	40193.965	5004.001	975.033	975.033	239.585	28.646	16.667
2	22:20:17	9915.940	4882.084	40685.980	5292.647	1042.226	1042.226	233.856	23.438	15.104
3	22:21:25	10134.844	4905.530	41137.269	5315.572	1087.541	1087.541	227.606	33.854	21.875
x		9924.280	4881.042	40672.405	5204.073	1034.933	1034.933	233.682	28.646	17.882
σ		206.520	25.025	471.799	173.646	56.607	56.607	5.992	5.208	3.545
%RSD		2.081	0.513	1.160	3.337	5.470	5.470	2.564	18.182	19.826

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:19:09	357.817	160.938	275.003	120.313	279.690	4.688	173228.330	139.063	115.625
2	22:20:17	342.192	167.188	243.752	135.938	312.503	0.000	173620.550	118.750	101.563
3	22:21:25	387.505	151.563	223.439	115.625	295.316	1.563	173881.500	114.063	114.063
x		362.505	159.897	247.398	123.959	295.836	2.083	173576.790	123.959	110.417
σ		23.018	7.864	25.974	10.636	16.413	2.387	328.779	13.289	7.708
%RSD		6.350	4.918	10.499	8.580	5.548	114.564	0.189	10.721	6.981

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:19:09	15.625	15.625	82.813	179.689	982.846	1418.821	33893.284	60698.992	432014.670
2	22:20:17	23.438	23.438	106.250	140.626	898.466	1479.764	34126.651	61074.023	436369.060
3	22:21:25	32.813	32.813	118.750	184.376	979.721	1473.514	34120.386	60800.987	435715.170
x		23.958	23.958	102.605	168.230	953.678	1457.366	34046.774	60858.001	434699.630
σ		8.606	8.606	18.244	24.021	47.840	33.527	132.963	193.907	2348.119
%RSD		35.919	35.919	17.781	14.279	5.016	2.301	0.391	0.319	0.540

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:19:09	457873.510	153.126	370.317	69006.892	58234.076	145119.300	437701.080	4288.144
2	22:20:17	458167.080	159.376	409.381	68675.614	58016.004	144137.560	442310.140	4288.144
3	22:21:25	462376.040	137.501	373.442	69145.057	59294.675	145768.040	444835.190	4213.121
x		459472.210	150.001	384.380	68942.521	58514.918	145008.300	441615.470	4263.136
σ		2519.071	11.267	21.708	241.251	684.035	820.889	3617.432	43.314
%RSD		0.548	7.512	5.647	0.350	1.169	0.566	0.819	1.016

Reviewed By:rsvarg
On:11/22/2011 1:16:48 PM
Inst Id:PS

C4481-03X10 MB9TC9 11/17/2011 10:25:57 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:27:05	8829.290	15.104	181.251	379.693	1321763.700	465792.180	65328.721	78028.138	130026.560
2	22:28:13	9134.169	18.750	143.751	384.380	1318107.300	466336.060	64782.492	77160.947	130874.880
3	22:29:21	8743.300	13.021	154.688	382.818	1311350.900	463528.110	64944.161	76796.491	128965.440
x		8902.253	15.625	159.897	382.297	1317074.000	465218.790	65018.458	77328.526	129955.630
σ		205.396	2.900	19.285	2.387	5282.737	1489.207	280.591	632.693	956.692
%RSD		2.307	18.559	12.061	0.624	0.401	0.320	0.432	0.818	0.736

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:27:05	115376.540	4297.521	22991.925	361190.290	559976.620	2995.627	49552.981	70043.167	364.067
2	22:28:13	114188.930	4353.788	22477.044	355128.630	558734.040	2931.551	49847.754	70173.491	390.630
3	22:29:21	113243.950	4324.092	22455.134	352649.590	556989.750	2883.103	49336.609	70606.869	351.567
x		114269.800	4325.134	22641.368	356322.840	558566.800	2936.760	49579.115	70274.509	368.755
σ		1068.592	28.148	303.789	4393.802	1500.441	56.442	256.573	295.116	19.949
%RSD		0.935	0.651	1.342	1.233	0.269	1.922	0.518	0.420	5.410

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:27:05	66873.344	1815.740	21605.388	177086.130	26454.159	2961286.400	74770.159	931.280	981.284
2	22:28:13	64350.860	1765.734	21093.687	178146.070	26352.408	2955086.000	74781.154	926.593	912.529
3	22:29:21	61408.264	1776.673	20261.233	176497.670	26474.509	2939203.200	75459.708	884.402	909.404
x		64210.823	1786.049	20986.769	177243.290	26427.025	2951858.500	75003.674	914.092	934.406
σ		2735.230	26.289	678.426	835.360	65.416	11389.874	394.976	25.818	40.628
%RSD		4.260	1.472	3.233	0.471	0.248	0.386	0.527	2.824	4.348

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:27:05	1032.850	543.760	4092.774	890.132	214.064	214.064	214.585	22.917	17.188
2	22:28:13	1068.790	464.070	4017.752	910.446	200.001	200.001	241.148	13.542	19.271
3	22:29:21	1075.040	529.697	3842.704	909.925	212.502	212.502	227.085	14.583	20.833
x		1058.893	512.509	3984.410	903.501	208.856	208.856	227.606	17.014	19.097
σ		22.770	42.535	128.326	11.581	7.708	7.708	13.289	5.138	1.829
%RSD		2.150	8.299	3.221	1.282	3.690	3.690	5.839	30.201	9.578

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:27:05	59.375	23.438	34.375	10.938	42.188	0.000	184833.340	109.375	32.813
2	22:28:13	35.938	34.375	29.688	17.188	40.625	1.563	183711.200	95.313	25.000
3	22:29:21	57.813	26.563	20.313	20.313	26.563	1.563	184861.830	96.875	39.063
x		51.042	28.125	28.125	16.146	36.458	1.042	184468.790	100.521	32.292
σ		13.104	5.634	7.160	4.774	8.606	0.902	656.252	7.708	7.046
%RSD		25.673	20.031	25.459	29.565	23.604	86.603	0.356	7.668	21.819

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:27:05	0.000	0.000	34.375	29.688	118.750	217.189	3387.902	5916.850	444566.070
2	22:28:13	10.938	10.938	35.938	29.688	148.438	178.126	3287.878	5730.837	446686.960
3	22:29:21	1.563	1.563	46.875	15.625	112.500	134.376	3419.159	5597.972	447114.080
x		4.167	4.167	39.063	25.000	126.563	176.564	3364.980	5748.553	446122.370
σ		5.916	5.916	6.811	8.119	19.200	41.429	68.576	160.176	1364.610
%RSD		141.973	141.973	17.436	32.476	15.171	23.464	2.038	2.786	0.306

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:27:05	467569.150	50.000	146.876	6468.652	5626.108	13887.997	461374.100	456.257
2	22:28:13	471009.120	50.000	157.813	6496.789	5680.817	13847.333	460149.610	428.131
3	22:29:21	471461.170	56.250	159.376	6767.228	5563.583	13897.382	460599.710	425.006
x		470013.150	52.083	154.688	6577.556	5623.503	13877.571	460707.810	436.465
σ		2128.596	3.608	6.811	164.862	58.660	26.604	619.364	17.212
%RSD		0.453	6.928	4.403	2.506	1.043	0.192	0.134	3.943

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:35:00	8855.869	14914.552	2318.938	381.255	13019768.000	10322267.000	1497731.000	1778106.200	2520931.400
2	22:36:08	8865.250	14625.191	2387.700	418.756	13066657.000	10366881.000	1503159.100	1739681.200	2518148.500
3	22:37:16	9023.161	14775.867	2611.176	418.756	13114146.000	10376470.000	1508365.900	1796738.800	2548462.800
x		8914.760	14771.870	2439.271	406.256	13066857.000	10355206.000	1503085.300	1771508.700	2529180.900
σ		93.995	144.722	152.792	21.651	47189.152	28926.209	5317.827	29095.316	16756.489
%RSD		1.054	0.980	6.264	5.329	0.361	0.279	0.354	1.642	0.663

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:35:00	30848.897	149222.180	31868.319	156237.210	8443200.900	40222.169	665609.490	70581.745	21841.684
2	22:36:08	30163.060	149732.160	32068.766	155539.020	8511805.900	40314.617	665074.480	70905.216	21062.390
3	22:37:16	30836.370	151139.050	31938.788	154663.980	8540544.200	40502.647	665645.490	70803.149	21592.869
x		30616.109	150031.130	31958.624	155480.070	8498517.000	40346.478	665443.160	70763.370	21498.981
σ		392.402	992.790	101.685	788.270	50013.749	142.928	319.787	165.364	398.040
%RSD		1.282	0.662	0.318	0.507	0.588	0.354	0.048	0.234	1.851

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:35:00	357431.890	306206.260	46651.047	1152282.400	882411.270	18950770.000	488405.450	387972.720	85486.264
2	22:36:08	355879.790	305912.560	45600.789	1159650.500	877910.330	18885886.000	486604.920	386203.870	85571.144
3	22:37:16	351676.030	304460.150	45409.556	1167081.600	880184.700	18981545.000	488940.480	387182.970	85272.492
x		354995.900	305526.320	45887.131	1159671.500	880168.770	18939400.000	487983.620	387119.850	85443.300
σ		2977.991	934.937	668.445	7399.609	2250.512	48832.096	1223.589	886.111	153.892
%RSD		0.839	0.306	1.457	0.638	0.256	0.258	0.251	0.229	0.180

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:35:00	429100.670	206221.540	149233.230	65491.443	3720.797	3720.797	12234.925	5119.667	16.667
2	22:36:08	428125.170	206231.050	149545.850	66234.963	3861.459	3861.459	12240.659	5043.599	26.042
3	22:37:16	431940.610	207703.720	149394.280	66700.141	3886.466	3886.466	12274.542	5069.128	18.750
x		429722.150	206718.770	149391.120	66142.182	3822.908	3822.908	12250.042	5077.465	20.486
σ		1982.188	853.004	156.333	609.667	89.310	89.310	21.411	38.713	4.923
%RSD		0.461	0.413	0.105	0.922	2.336	2.336	0.175	0.762	24.030

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:35:00	66571.941	116264.950	124904.600	74173.310	190377.310	1.563	180677.560	7444.127	363807.010
2	22:36:08	66305.079	117044.710	126228.660	74162.316	189805.720	0.000	180470.280	7369.088	362957.690
3	22:37:16	66449.498	117504.720	126990.050	74118.338	191308.380	1.563	180864.280	7466.013	366336.050
x		66442.172	116938.120	126041.110	74151.322	190497.140	1.042	180670.710	7426.409	364366.920
σ		133.582	626.720	1055.302	29.088	758.461	0.902	197.089	50.834	1757.399
%RSD		0.201	0.536	0.837	0.039	0.398	86.603	0.109	0.684	0.482

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:35:00	5440.098	5440.098	356534.890	85338.509	234556.790	357896.430	333996.770	596366.790	452754.810
2	22:36:08	5582.341	5582.341	353202.050	84602.903	234181.960	356209.740	336016.760	597026.320	448492.220
3	22:37:16	5710.516	5710.516	356036.760	84719.214	237767.020	359320.580	335146.670	596244.660	450763.620
x		5577.652	5577.652	355257.900	84886.876	235501.920	357808.920	335053.400	596545.920	450670.220
σ		135.270	135.270	1797.752	395.426	1970.563	1557.267	1013.218	420.488	2132.831
%RSD		2.425	2.425	0.506	0.466	0.837	0.435	0.302	0.070	0.473

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:35:00	476660.760	680799.210	1671028.500	548449.930	516667.770	1234281.500	456292.880	3065662.200
2	22:36:08	476106.810	675693.290	1648635.500	551074.660	519476.290	1227165.200	454444.720	3054746.000
3	22:37:16	475297.710	674652.010	1667407.000	555063.790	516972.240	1228477.400	456736.400	3067821.500
x		476021.760	677048.170	1662357.000	551529.460	517705.430	1229974.700	455824.670	3062743.300
σ		685.496	3289.952	12020.324	3330.302	1541.144	3787.040	1215.472	7009.463
%RSD		0.144	0.486	0.723	0.604	0.298	0.308	0.267	0.229

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:42:53	9040.360	15.625	53.125	339.067	203462.080	2082.964	289.065	307.816	13428.183
2	22:44:01	9110.717	11.458	43.750	326.566	206622.590	3748.929	487.508	600.013	13628.373
3	22:45:09	9276.448	15.625	29.688	356.254	204403.500	3044.074	389.068	492.196	13740.980
x		9142.508	14.236	42.188	340.629	204829.390	2958.656	388.547	466.675	13599.179
σ		121.213	2.406	11.797	14.906	1622.723	836.261	99.222	147.761	158.429
%RSD		1.326	16.898	27.962	4.376	0.792	28.265	25.537	31.662	1.165

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:42:53	953.157	881.277	18408.728	155033.570	215581.650	40.625	1054.726	72960.840	42.188
2	22:44:01	962.532	848.463	18501.035	156325.670	218287.900	50.000	1056.289	73298.500	45.313
3	22:45:09	865.651	892.215	18576.132	153732.120	217210.730	32.813	996.910	73204.268	51.563
x		927.113	873.985	18495.298	155030.450	217026.760	41.146	1035.975	73154.536	46.354
σ		53.434	22.770	83.849	1296.774	1362.476	8.606	33.841	174.237	4.774
%RSD		5.763	2.605	0.453	0.836	0.628	20.915	3.267	0.238	10.298

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:42:53	20677.454	620.326	7043.924	3497.303	381.255	47041.386	2207.983	65.625	75.000
2	22:44:01	20233.068	606.263	6837.573	3531.687	475.008	49598.451	2311.124	123.438	85.938
3	22:45:09	20035.915	632.827	6442.077	3506.680	443.757	48529.163	2334.566	84.375	56.250
x		20315.479	619.805	6774.525	3511.890	433.340	48389.667	2284.558	91.146	72.396
σ		328.613	13.289	305.837	17.774	47.737	1284.227	67.343	29.495	15.014
%RSD		1.618	2.144	4.515	0.506	11.016	2.654	2.948	32.360	20.739

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:42:53	181.251	62.500	59.375	288.024	79.688	79.688	236.981	20.833	13.021
2	22:44:01	231.252	81.250	103.125	254.690	85.938	85.938	238.544	15.625	19.792
3	22:45:09	229.689	89.063	117.188	242.190	90.625	90.625	229.169	15.625	10.417
x		214.064	77.604	93.229	261.634	85.417	85.417	234.898	17.361	14.410
σ		28.428	13.651	30.150	23.693	5.487	5.487	5.023	3.007	4.839
%RSD		13.280	17.591	32.340	9.056	6.424	6.424	2.138	17.321	33.584

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:42:53	56.250	79.688	65.625	45.313	121.876	1.563	190106.560	93.750	42.188
2	22:44:01	43.750	82.813	68.750	39.063	107.813	3.125	192157.160	100.000	106.250
3	22:45:09	37.500	46.875	56.250	29.688	106.250	0.000	191433.480	121.876	73.438
x		45.833	69.792	63.542	38.021	111.980	1.563	191232.400	105.209	73.959
σ		9.547	19.908	6.505	7.864	8.606	1.563	1039.983	14.768	32.035
%RSD		20.830	28.525	10.238	20.685	7.685	100.000	0.544	14.037	43.314

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:42:53	0.000	0.000	51.563	3.125	310.941	620.326	12.500	37.500	459778.570
2	22:44:01	1.563	1.563	96.875	17.188	260.940	559.386	65.625	117.188	459384.950
3	22:45:09	1.563	1.563	39.063	6.250	178.126	426.569	32.813	81.250	460268.990
x		1.042	1.042	62.500	8.854	250.002	535.427	36.979	78.646	459810.840
σ		0.902	0.902	30.419	7.384	67.080	99.076	26.807	39.908	442.899
%RSD		86.603	86.603	48.670	83.397	26.832	18.504	72.491	50.743	0.096

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:42:53	485310.420	193.751	368.755	89.063	95.313	228.127	474561.330	243.752
2	22:44:01	487256.250	273.440	739.082	159.376	156.251	376.567	477838.200	498.446
3	22:45:09	484558.990	223.439	435.944	125.001	129.688	328.129	476609.080	404.693
x		485708.550	230.210	514.594	124.480	127.084	310.941	476336.200	382.297
σ		1392.011	40.274	197.294	35.159	30.552	75.698	1655.391	128.816
%RSD		0.287	17.494	38.340	28.245	24.041	24.345	0.348	33.695

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:50:46	9439.055	11.979	95.313	570.324	353903.470	18324.245	2639.306	3022.195	15076.702
2	22:51:54	9249.869	10.417	95.313	596.887	352025.090	17961.284	2461.150	3037.823	15082.958
3	22:53:02	9564.138	14.063	78.125	609.388	349690.680	18199.085	2598.674	2948.742	15057.932
x		9417.687	12.153	89.584	592.200	351873.080	18161.538	2566.377	3002.920	15072.530
σ		158.221	1.829	9.923	19.949	2110.508	184.370	93.366	47.566	13.024
%RSD		1.680	15.051	11.077	3.369	0.600	1.015	3.638	1.584	0.086

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:50:46	3541.064	934.406	18591.778	2300898.700	241537.290	696.892	12965.256	70481.251	65.625
2	22:51:54	3456.668	982.846	18449.406	2338648.500	243789.120	725.018	12654.039	69959.948	62.500
3	22:53:02	3469.171	1042.226	18643.407	2381087.200	244461.400	695.329	12808.865	71118.774	57.813
x		3488.968	986.492	18561.530	2340211.500	243262.610	705.747	12809.387	70519.991	61.979
σ		45.548	54.002	100.476	40117.101	1531.510	16.708	155.609	580.383	3.932
%RSD		1.305	5.474	0.541	1.714	0.630	2.367	1.215	0.823	6.344

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:50:46	200501.920	2115.782	67749.331	6191.967	1686.037	74088.497	2564.293	50.000	171.876
2	22:51:54	231725.200	2414.267	77627.527	6324.837	1765.734	73951.854	2579.920	51.563	209.377
3	22:53:02	251435.580	2542.414	84536.889	6435.824	1657.909	74569.113	2604.925	43.750	195.314
x		227887.570	2357.487	76637.916	6317.543	1703.227	74203.155	2583.046	48.438	192.189
σ		25682.777	218.910	8437.418	122.092	55.930	324.210	20.496	4.134	18.945
%RSD		11.270	9.286	11.009	1.933	3.284	0.437	0.793	8.535	9.857

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:50:46	895.341	462.507	1659.471	2366.342	756.270	756.270	218.752	19.792	22.917
2	22:51:54	978.158	453.132	1575.087	2652.851	917.217	917.217	232.294	15.104	25.000
3	22:53:02	917.217	478.133	1593.839	2914.881	903.154	903.154	211.460	15.104	18.229
x		930.239	464.591	1609.466	2644.691	858.880	858.880	220.835	16.667	22.049
σ		42.917	12.630	44.310	274.360	89.141	89.141	10.572	2.706	3.468
%RSD		4.614	2.719	2.753	10.374	10.379	10.379	4.787	16.238	15.728

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:50:46	46.875	21.875	37.500	10.938	46.875	3.125	181122.200	112.500	79.688
2	22:51:54	34.375	17.188	23.438	21.875	45.313	4.688	182207.750	89.063	42.188
3	22:53:02	56.250	20.313	23.438	28.125	32.813	0.000	185284.440	103.125	37.500
x		45.833	19.792	28.125	20.313	41.667	2.604	182871.470	101.563	53.125
σ		10.975	2.387	8.119	8.700	7.708	2.387	2159.041	11.797	23.123
%RSD		23.945	12.059	28.868	42.829	18.498	91.652	1.181	11.615	43.526

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:50:46	1.563	1.563	54.688	14.063	478.133	390.630	268.753	429.694	436531.730
2	22:51:54	0.000	0.000	57.813	18.750	353.129	310.941	226.564	464.070	440924.530
3	22:53:02	7.813	7.813	31.250	10.938	343.754	273.440	217.189	412.506	442690.400
x		3.125	3.125	47.917	14.583	391.672	325.004	237.502	435.423	440048.890
σ		4.134	4.134	14.518	3.932	75.024	59.847	27.467	26.255	3171.336
%RSD		132.288	132.288	30.299	26.964	19.155	18.414	11.565	6.030	0.721

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:50:46	462500.280	409.381	893.778	1342.251	1251.617	2936.239	452835.430	134.376
2	22:51:54	463626.540	214.064	603.138	1457.887	1217.239	2834.656	457004.140	128.126
3	22:53:02	464985.270	195.314	453.132	1320.374	1281.308	2887.792	455667.120	106.250
x		463704.030	272.920	650.016	1373.504	1250.055	2886.229	455168.900	122.917
σ		1244.309	118.550	224.032	73.892	32.063	50.810	2128.544	14.768
%RSD		0.268	43.438	34.466	5.380	2.565	1.760	0.468	12.015

C4481-05 MB9TC1 11/17/2011 10:57:31 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:58:39	9482.834	15.104	498.446	740.644	15136025.000	4072952.400	580078.780	691280.290	72541.526
2	22:59:47	9485.961	16.667	450.007	740.644	15296916.000	4105630.800	585799.000	697224.590	71853.688
3	23:00:55	9845.579	10.417	556.261	692.204	15399956.000	4102191.500	587442.590	702190.420	72070.400
x		9604.791	14.063	501.571	724.498	15277632.000	4093591.600	584440.120	696898.430	72155.204
σ		208.534	3.253	53.196	27.967	133018.050	17956.565	3865.400	5462.372	351.673
%RSD		2.171	23.130	10.606	3.860	0.871	0.439	0.661	0.784	0.487

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:58:39	487875.290	4533.532	43292.060	1951177.700	2575724.000	47314.160	772588.070	70380.757	431.257
2	22:59:47	488870.980	4644.505	43513.043	2002827.800	2618632.300	47894.213	789798.190	71465.812	445.319
3	23:00:55	486983.110	4686.706	44179.145	2016561.500	2635276.600	47638.673	786932.280	71847.406	375.005
x		487909.790	4621.581	43661.416	1990189.000	2609877.600	47615.682	783106.180	71231.325	417.194
σ		944.405	79.118	461.780	34475.543	30726.395	290.709	9220.975	760.922	37.207
%RSD		0.194	1.712	1.058	1.732	1.177	0.611	1.177	1.068	8.918

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:58:39	230254.830	4158.418	76941.016	63016.808	140945.000	1065231.400	29995.520	692.204	1120.356
2	22:59:47	255589.580	4403.804	85583.719	64809.175	143152.730	1090059.700	30559.213	634.389	1115.669
3	23:00:55	270704.830	4386.611	89749.793	64630.242	143209.550	1087801.600	30837.936	731.269	1181.299
x		252183.080	4316.277	84091.509	64152.075	142435.760	1081030.900	30464.223	685.954	1139.108
σ		20439.024	136.981	6533.469	987.232	1291.346	13729.278	429.166	48.741	36.613
%RSD		8.105	3.174	7.769	1.539	0.907	1.270	1.409	7.106	3.214

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:58:39	3653.592	1725.104	4816.437	3018.027	968.783	968.783	234.898	28.125	19.792
2	22:59:47	3850.519	1790.737	4907.093	3359.770	1004.723	1004.723	238.023	19.271	26.563
3	23:00:55	3852.082	1854.808	4838.319	3560.860	996.910	996.910	247.919	26.563	14.063
x		3785.398	1790.216	4853.950	3312.886	990.138	990.138	240.280	24.653	20.139
σ		114.150	64.853	47.306	274.437	18.903	18.903	6.798	4.726	6.257
%RSD		3.016	3.623	0.975	8.284	1.909	1.909	2.829	19.170	31.070

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:58:39	290.628	351.567	393.755	248.440	575.012	3.125	178725.110	96.875	43.750
2	22:59:47	293.753	348.442	417.194	221.877	612.513	0.000	180728.200	106.250	42.188
3	23:00:55	278.128	371.880	382.818	245.315	565.636	1.563	180962.380	120.313	45.313
x		287.503	357.296	397.922	238.544	584.387	1.563	180138.560	107.813	43.750
σ		8.268	12.726	17.563	14.518	24.805	1.563	1229.676	11.797	1.563
%RSD		2.876	3.562	4.414	6.086	4.245	100.000	0.683	10.942	3.571

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:58:39	4.688	4.688	37.500	48.438	389.068	590.637	12776.023	23004.445	441688.210
2	22:59:47	3.125	3.125	39.063	29.688	371.880	596.887	12608.687	22918.369	443502.520
3	23:00:55	4.688	4.688	40.625	54.688	359.380	593.762	13196.718	23389.444	446627.330
x		4.167	4.167	39.063	44.271	373.442	593.762	12860.476	23104.086	443939.350
σ		0.902	0.902	1.563	13.010	14.906	3.125	302.976	250.847	2498.367
%RSD		21.651	21.651	4.000	29.388	3.991	0.526	2.356	1.086	0.563

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:58:39	465884.170	134.376	296.878	9010.653	8133.565	19237.945	449843.090	2981.561
2	22:59:47	468201.880	112.500	218.752	9231.106	8266.453	19477.331	449104.770	2878.415
3	23:00:55	469725.700	125.001	220.314	9371.823	8313.356	19821.554	454002.870	2901.857
x		467937.250	123.959	245.315	9204.528	8237.791	19512.277	450983.580	2920.611
σ		1934.385	10.975	44.662	182.046	93.260	293.370	2640.718	54.070
%RSD		0.413	8.854	18.206	1.978	1.132	1.504	0.586	1.851

Reviewed By: jaswal
on 11/22/2011 1:16:48 PM
Instid: P8

C4481-06 MB9TC1D 11/17/2011 11:05:26 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:06:34	9579.773	10.417	476.570	596.887	15271992.000	4074098.800	579999.080	687765.000	70402.740
2	23:07:42	9575.083	11.458	465.633	595.325	15315066.000	4096341.500	580690.400	690605.020	71454.819
3	23:08:50	9786.163	13.542	521.885	598.450	15329322.000	4092280.900	580607.440	688595.810	70817.282
x		9647.007	11.806	488.029	596.887	15305460.000	4087573.700	580432.300	688988.610	70891.614
σ		120.536	1.591	29.825	1.563	29848.008	11844.928	377.468	1460.188	529.964
%RSD		1.249	13.478	6.111	0.262	0.195	0.290	0.065	0.212	0.748

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:06:34	482561.810	4546.036	44234.002	2550794.600	2585959.200	46361.043	777450.900	70387.038	400.006
2	23:07:42	481876.760	4514.776	43867.248	2578142.900	2596797.900	46459.800	781284.610	70424.723	412.506
3	23:08:50	478141.860	4649.194	44581.956	2599493.200	2592247.600	46997.492	774910.490	70701.083	442.194
x		480860.140	4570.002	44227.735	2576143.600	2591668.200	46606.112	777882.000	70504.281	418.235
σ		2378.892	70.341	357.395	24410.804	5442.536	342.523	3208.852	171.474	21.670
%RSD		0.495	1.539	0.808	0.948	0.210	0.735	0.413	0.243	5.181

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:06:34	328755.400	3698.916	109006.490	63916.103	141920.210	1073158.600	30505.974	693.767	910.967
2	23:07:42	358923.280	3709.857	118947.840	64404.225	141809.750	1079407.200	30427.683	684.391	931.280
3	23:08:50	378248.340	3814.572	125599.720	64390.099	142505.690	1073405.900	30026.836	625.014	920.342
x		355309.000	3741.115	117851.350	64236.809	142078.550	1075323.900	30320.164	667.724	920.863
σ		24943.636	63.850	8350.779	277.830	374.012	3538.392	257.028	37.284	10.167
%RSD		7.020	1.707	7.086	0.433	0.263	0.329	0.848	5.584	1.104

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:06:34	3311.321	1542.271	4077.144	4420.476	1426.634	1426.634	222.918	18.750	16.667
2	23:07:42	3228.490	1465.700	4460.071	4822.689	1426.634	1426.634	230.210	26.042	18.750
3	23:08:50	3409.782	1629.781	4266.262	5094.658	1584.463	1584.463	216.147	30.208	11.458
x		3316.531	1545.917	4267.826	4779.274	1479.243	1479.243	223.092	25.000	15.625
σ		90.758	82.101	191.468	339.182	91.123	91.123	7.033	5.800	3.756
%RSD		2.737	5.311	4.486	7.097	6.160	6.160	3.152	23.199	24.037

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:06:34	320.316	368.755	446.882	240.627	623.451	1.563	178608.030	85.938	43.750
2	23:07:42	317.191	362.505	428.131	229.689	606.263	0.000	180876.940	93.750	21.875
3	23:08:50	282.815	368.755	428.131	235.939	598.450	4.688	178614.360	92.188	48.438
x		306.774	366.671	434.382	235.419	609.388	2.083	179366.440	90.625	38.021
σ		20.808	3.609	10.826	5.487	12.790	2.387	1308.130	4.134	14.178
%RSD		6.783	0.984	2.492	2.331	2.099	114.564	0.729	4.562	37.290

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:06:34	9.375	9.375	43.750	25.000	328.129	559.386	12912.083	22680.490	440371.930
2	23:07:42	7.813	7.813	31.250	25.000	273.440	525.010	12959.000	22811.949	443728.110
3	23:08:50	1.563	1.563	37.500	26.563	323.441	568.761	12908.955	22880.809	442297.250
x		6.250	6.250	37.500	25.521	308.337	551.052	12926.679	22791.083	442132.430
σ		4.134	4.134	6.250	0.902	30.312	23.036	28.034	101.777	1684.149
%RSD		66.144	66.144	16.667	3.535	9.831	4.180	0.217	0.447	0.381

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:06:34	464062.230	79.688	207.814	9115.407	8005.367	19848.154	445529.780	2981.561
2	23:07:42	469036.410	78.125	218.752	9349.934	8211.735	19960.810	450212.260	2934.676
3	23:08:50	469719.240	75.000	162.501	9270.194	8127.311	19904.482	449543.240	2979.998
x		467605.960	77.604	196.356	9245.178	8114.804	19904.482	448428.430	2965.412
σ		3087.893	2.387	29.825	119.248	103.750	56.328	2532.493	26.629
%RSD		0.660	3.076	15.189	1.290	1.279	0.283	0.565	0.898

Reviewed By jaswa... On 11/22/2011 1:10:48 PM Met Id: P6...

C4481-05LX5 MB9TC1L 11/17/2011 11:13:20 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:14:29	8973.130	13.021	140.626	365.630	3186950.700	837087.920	115943.600	138792.840	24373.900
2	23:15:37	8876.194	13.542	89.063	367.192	3184128.900	831326.610	115436.390	139004.250	23952.877
3	23:16:45	8894.956	9.896	120.313	400.006	3180471.400	830768.970	114768.540	138347.930	24012.351
x		8914.760	12.153	116.667	377.609	3183850.300	833061.170	115382.850	138715.010	24113.043
σ		51.413	1.972	25.974	19.412	3248.625	3498.400	589.355	335.013	227.858
%RSD		0.577	16.225	22.263	5.141	0.102	0.420	0.511	0.242	0.945

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:14:29	94502.168	1534.457	23364.403	518818.650	701129.210	9459.381	157164.480	69875.159	118.750
2	23:15:37	96204.096	1601.652	23350.318	514442.710	698667.590	9510.978	157233.990	69666.331	96.875
3	23:16:45	95741.630	1600.090	23143.732	512532.100	698092.010	9500.033	155896.010	69963.088	128.126
x		95482.631	1578.733	23286.151	515264.490	699296.270	9490.130	156764.830	69834.859	114.584
σ		880.028	38.352	123.539	3222.836	1613.250	27.186	753.221	152.428	16.036
%RSD		0.922	2.429	0.531	0.625	0.231	0.286	0.480	0.218	13.995

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:14:29	96260.725	1496.953	32023.352	15305.069	28594.213	255856.800	7652.049	175.001	296.878
2	23:15:37	94160.863	1607.903	31285.783	15481.822	28797.747	255115.590	7608.276	182.814	262.502
3	23:16:45	92069.170	1537.583	30592.096	15459.923	28847.848	253421.780	7783.370	159.376	279.690
x		94163.586	1547.480	31300.410	15415.605	28746.603	254798.060	7681.231	172.397	279.690
σ		2095.779	56.133	715.740	96.351	134.329	1248.179	91.122	11.934	17.188
%RSD		2.226	3.627	2.287	0.625	0.467	0.490	1.186	6.922	6.145

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:14:29	864.089	428.131	1035.975	1346.418	398.443	398.443	220.835	18.750	18.750
2	23:15:37	935.968	384.380	1089.104	1228.699	396.881	396.881	219.793	21.354	16.667
3	23:16:45	818.773	435.944	1062.540	1203.176	390.630	390.630	227.606	13.021	12.500
x		872.943	416.152	1062.540	1259.431	395.318	395.318	222.745	17.708	15.972
σ		59.097	27.791	26.564	76.406	4.134	4.134	4.242	4.263	3.182
%RSD		6.770	6.678	2.500	6.067	1.046	1.046	1.904	24.075	19.924

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:14:29	79.688	71.875	107.813	50.000	135.938	1.563	180857.950	109.375	17.188
2	23:15:37	59.375	65.625	117.188	35.938	132.813	0.000	181835.870	103.125	21.875
3	23:16:45	65.625	70.313	101.563	59.375	123.438	0.000	181818.460	85.938	34.375
x		68.229	69.271	108.855	48.438	130.730	0.521	181504.090	99.480	24.479
σ		10.404	3.253	7.864	11.797	6.505	0.902	559.646	12.137	8.885
%RSD		15.248	4.695	7.225	24.354	4.976	173.205	0.308	12.200	36.295

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:14:29	0.000	0.000	21.875	15.625	98.438	160.938	2593.986	4464.760	446155.100
2	23:15:37	0.000	0.000	32.813	14.063	114.063	107.813	2654.934	4853.950	443749.060
3	23:16:45	4.688	4.688	20.313	10.938	90.625	120.313	2634.618	4624.186	441473.920
x		1.563	1.563	25.000	13.542	101.042	129.688	2627.846	4647.632	443792.690
σ		2.706	2.706	6.811	2.387	11.934	27.776	31.034	195.651	2340.891
%RSD		173.205	173.205	27.243	17.625	11.811	21.417	1.181	4.210	0.527

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:14:29	468960.540	53.125	128.126	1939.194	1707.915	4324.092	457347.690	560.949
2	23:15:37	470858.980	31.250	132.813	1875.123	1701.664	4178.736	459196.220	632.827
3	23:16:45	464927.180	39.063	78.125	1923.567	1734.480	4095.900	458110.620	665.641
x		468248.900	41.146	113.021	1912.628	1714.686	4199.576	458218.180	619.805
σ		3029.254	11.085	30.312	33.407	17.425	115.515	928.945	53.547
%RSD		0.647	26.942	26.819	1.747	1.016	2.751	0.203	8.639

Reviewed By esw1 on 11/22/2011 1:16:48 PM Insl id 'PS'

C4481-07 MB9TC1S 11/17/2011 11:21:15 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:22:23	9278.012	5252.528	537.510	557.823	16496650.000	4362000.600	619493.860	732075.010	1807807.100
2	23:23:31	9365.569	5155.618	575.012	585.950	16660589.000	4365311.300	621617.570	733246.940	1805210.600
3	23:24:39	9490.651	5230.124	581.262	604.700	16737663.000	4392493.300	622601.230	732558.230	1810365.200
x		9378.077	5212.757	564.595	582.824	16631634.000	4373268.400	621237.550	732626.730	1807794.300
σ		106.870	50.736	23.663	23.594	123087.670	16731.323	1588.158	588.960	2577.321
%RSD		1.140	0.973	4.191	4.048	0.740	0.383	0.256	0.080	0.143

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:22:23	519255.990	5069.649	45365.667	2900253.700	2771581.300	50315.013	842038.390	67017.768	417.194
2	23:23:31	515728.470	4911.782	45240.271	2956783.200	2793258.800	51147.649	841228.650	67754.041	484.383
3	23:24:39	515815.920	4971.177	45650.949	2998722.100	2780706.100	50725.837	844780.910	67239.117	571.886
x		516933.460	4984.203	45418.962	2951919.600	2781848.700	50729.500	842682.650	67336.975	491.154
σ		2011.844	79.736	210.462	49414.013	10883.796	416.330	1861.702	377.766	77.568
%RSD		0.389	1.600	0.463	1.674	0.391	0.821	0.221	0.561	15.793

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:22:23	1389598.300	400754.320	155992.360	228408.360	1572164.800	3539011.900	93976.844	1254019.300	277710.830
2	23:23:31	1448308.300	403749.410	174128.230	229859.480	1583238.800	3562394.100	93451.540	1271587.600	279705.430
3	23:24:39	1483769.700	402476.750	188141.740	230100.820	1590284.100	3575625.300	93674.871	1267762.800	280713.990
x		1440558.800	402326.830	172754.110	229456.220	1581895.900	3559010.400	93701.085	1264456.600	279376.750
σ		47561.612	1503.161	16118.676	915.463	9133.988	18539.741	263.631	9239.006	1528.321
%RSD		3.302	0.374	9.330	0.399	0.577	0.521	0.281	0.731	0.547

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:22:23	356695.060	172252.570	251594.590	22662.753	3953.672	3953.672	8076.241	3331.638	17.188
2	23:23:31	357076.290	171397.060	250157.180	23106.171	4178.736	4178.736	8075.198	3417.075	16.146
3	23:24:39	357790.710	172625.790	253345.440	23694.112	4150.603	4150.603	8279.482	3371.752	21.875
x		357187.350	172091.810	251699.070	23154.346	4094.337	4094.337	8143.640	3373.489	18.403
σ		556.202	629.941	1596.698	517.364	122.629	122.629	117.643	42.745	3.052
%RSD		0.156	0.366	0.634	2.234	2.995	2.995	1.445	1.267	16.583

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:22:23	431.257	420.319	464.070	250.002	682.829	6.250	170283.870	2590.860	116280.700
2	23:23:31	475.008	390.630	495.321	245.315	679.704	7.813	171575.750	2662.748	116969.100
3	23:24:39	484.383	446.882	520.322	282.815	693.767	4.688	172344.290	2650.246	118533.470
x		463.549	419.277	493.238	259.377	685.433	6.250	171401.300	2634.618	117261.090
σ		28.356	28.140	28.184	20.433	7.384	1.563	1041.231	38.408	1154.424
%RSD		6.117	6.712	5.714	7.878	1.077	25.000	0.607	1.458	0.984

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:22:23	1801.676	1801.676	114162.150	28583.254	375.005	239735.440	882160.540	1567796.600	424407.290
2	23:23:31	1886.062	1886.062	114103.880	28974.666	371.880	240731.680	885520.060	1576645.600	431237.010
3	23:24:39	1932.943	1932.943	114807.920	29311.289	417.194	242107.770	882620.490	1581811.700	432391.440
x		1873.561	1873.561	114357.980	28956.403	388.026	240858.300	883433.700	1575417.900	429345.250
σ		66.521	66.521	390.746	364.361	25.308	1191.218	1821.422	7087.733	4315.174
%RSD		3.550	3.550	0.342	1.258	6.522	0.495	0.206	0.450	1.005

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:22:23	449926.920	227349.480	555529.830	89370.866	76919.023	185749.800	432431.700	3212.861
2	23:23:31	457502.530	229580.040	564311.020	89608.284	76942.587	188548.610	436451.200	3330.076
3	23:24:39	456438.030	228205.150	559185.580	89694.762	77545.835	188618.270	437931.420	3319.136
x		454622.490	228378.220	559675.480	89557.971	77135.815	187638.900	435604.770	3287.358
σ		4101.172	1125.308	4411.045	167.707	355.283	1636.373	2845.886	64.747
%RSD		0.902	0.493	0.788	0.187	0.461	0.872	0.653	1.970

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:30:18	8840.234	517.197	68.750	335.941	1885750.200	468571.520	65455.864	77187.653	200371.990
2	23:31:26	8633.858	525.531	78.125	335.941	1908570.300	478007.790	66823.109	78989.651	204424.110
3	23:32:34	8535.362	535.948	68.750	370.317	1883282.300	476418.510	66612.755	78903.238	202737.830
x		8669.818	526.225	71.875	347.400	1892534.300	474332.610	66297.243	78360.181	202511.310
σ		155.585	9.395	5.413	19.847	13942.330	5052.134	736.207	1016.357	2035.534
%RSD		1.795	1.785	7.531	5.713	0.737	1.065	1.110	1.297	1.005

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:30:18	54723.362	1178.174	20253.409	446421.030	487948.020	5419.778	90763.983	69185.879	92.188
2	23:31:26	56066.054	1212.552	21010.752	445711.890	490245.000	5541.700	90468.367	67830.967	68.750
3	23:32:34	55460.572	1245.367	20592.957	445109.150	488327.870	5429.157	90782.852	68268.984	82.813
x		55416.663	1212.031	20619.039	445747.360	488840.300	5463.545	90671.734	68428.610	81.250
σ		672.422	33.600	379.344	656.655	1231.247	67.846	176.374	691.417	11.797
%RSD		1.213	2.772	1.840	0.147	0.252	1.242	0.195	1.010	14.519

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:30:18	198286.950	43743.432	34048.339	27499.881	166538.540	433101.540	11725.122	133592.040	29605.646
2	23:31:26	195953.520	44215.194	33002.138	27611.032	169479.070	438775.480	11917.469	136861.840	29990.823
3	23:32:34	195746.010	43583.570	32324.028	27440.391	170002.420	438620.840	11940.926	136025.790	30443.341
x		196662.160	43847.399	33124.835	27517.101	168673.340	436832.620	11861.172	135493.220	30013.270
σ		1410.927	328.396	868.679	86.614	1867.221	3232.139	118.405	1698.708	419.299
%RSD		0.717	0.749	2.622	0.315	1.107	0.740	0.998	1.254	1.397

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:30:18	37807.776	18646.536	27182.086	3011.255	579.699	579.699	1050.039	386.464	13.542
2	23:31:26	38619.318	18921.898	27647.039	3096.169	629.701	629.701	1064.623	380.213	15.104
3	23:32:34	38805.760	18918.769	27539.018	2957.077	581.262	581.262	1044.830	364.588	16.667
x		38410.951	18829.068	27456.048	3021.500	596.887	596.887	1053.164	377.088	15.104
σ		530.618	158.085	243.328	70.110	28.428	28.428	10.260	11.268	1.563
%RSD		1.381	0.840	0.886	2.320	4.763	4.763	0.974	2.988	10.345

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:30:18	75.000	35.938	68.750	39.063	93.750	1.563	179041.530	362.505	12137.967
2	23:31:26	56.250	53.125	71.875	40.625	95.313	1.563	178264.720	357.817	12272.457
3	23:32:34	65.625	54.688	76.563	42.188	115.625	1.563	179657.000	335.941	12374.107
x		65.625	47.917	72.396	40.625	101.563	1.563	178987.750	352.088	12261.510
σ		9.375	10.404	3.932	1.563	12.204	0.000	697.696	14.178	118.450
%RSD		14.286	21.712	5.432	3.846	12.016	0.000	0.390	4.027	0.966

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:30:18	196.876	196.876	11759.526	3203.484	79.688	25356.859	94049.193	166883.150	442068.450
2	23:31:26	178.126	178.126	12280.276	3017.506	60.938	25727.834	96023.197	171259.490	433505.710
3	23:32:34	200.001	200.001	11981.585	3050.326	95.313	25842.102	95795.111	169377.880	437271.020
x		191.668	191.668	12007.129	3090.439	78.646	25642.265	95289.167	169173.510	437615.060
σ		11.831	11.831	261.313	99.266	17.211	253.686	1079.888	2195.315	4291.728
%RSD		6.173	6.173	2.176	3.212	21.884	0.989	1.133	1.298	0.981

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:30:18	467356.100	24516.331	59498.646	9557.884	8166.396	20121.974	458650.990	403.131
2	23:31:26	461722.600	24585.199	60535.802	9737.693	8410.287	20369.199	452982.160	407.818
3	23:32:34	465332.240	24395.813	60416.548	9639.188	8191.410	20253.409	452541.980	437.507
x		464803.640	24499.114	60150.332	9644.922	8256.031	20248.194	454725.040	416.152
σ		2853.708	95.860	567.518	90.041	134.174	123.695	3407.086	18.642
%RSD		0.614	0.391	0.943	0.934	1.625	0.611	0.749	4.480

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:38:13	8996.582	11.979	454.695	553.136	14146824.000	3980810.100	563394.640	666062.720	194790.900
2	23:39:21	9116.971	15.104	490.633	543.760	14434273.000	4013809.900	564757.860	668677.600	193994.240
3	23:40:29	8957.495	15.625	462.507	556.261	14422308.000	4022145.600	565960.320	673499.500	196070.730
x		9023.683	14.236	469.279	551.052	14334468.000	4005588.500	564704.270	669413.270	194951.960
σ		83.120	1.972	18.902	6.505	162614.840	21859.741	1283.675	3772.578	1047.576
%RSD		0.921	13.851	4.028	1.181	1.134	0.546	0.227	0.564	0.537

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:38:13	493472.060	4578.859	41325.311	2025891.800	2497028.600	44707.347	744551.930	68124.547	937.531
2	23:39:21	497256.190	4635.127	41643.420	2058238.600	2498187.300	46034.991	753595.620	67958.132	925.030
3	23:40:29	501031.600	4708.588	41790.724	2075137.900	2518802.600	46130.611	756323.310	68438.542	864.089
x		497253.280	4640.858	41586.485	2053089.400	2504672.800	45624.316	751490.290	68173.741	908.883
σ		3779.772	65.054	237.873	25023.575	12250.442	795.557	6161.630	243.954	39.293
%RSD		0.760	1.402	0.572	1.219	0.489	1.744	0.820	0.358	4.323

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:38:13	230548.580	6684.376	77113.819	93460.977	189230.980	1608725.000	42611.895	950.032	1337.563
2	23:39:21	267138.630	6923.552	88795.419	94601.258	190777.920	1618313.300	43505.206	995.347	1375.066
3	23:40:29	288421.510	6920.426	95659.834	94862.356	191645.670	1611554.800	42442.642	928.155	1337.563
x		262036.240	6842.785	87189.691	94308.197	190551.520	1612864.400	42853.248	957.845	1350.064
σ		29271.913	137.195	9376.697	745.238	1223.158	4926.468	570.920	34.271	21.653
%RSD		11.171	2.005	10.754	0.790	0.642	0.305	1.332	3.578	1.604

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:38:13	3114.402	1486.015	4047.448	3248.807	990.659	990.659	242.190	22.917	20.833
2	23:39:21	3147.222	1593.839	4188.114	3695.791	1267.244	1267.244	223.960	23.958	18.229
3	23:40:29	3014.381	1556.335	4045.885	3952.109	1193.800	1193.800	224.481	23.958	22.396
x		3092.001	1545.396	4093.816	3632.236	1150.568	1150.568	230.210	23.611	20.486
σ		69.196	54.738	81.668	355.932	143.271	143.271	10.378	0.601	2.105
%RSD		2.238	3.542	1.995	9.799	12.452	12.452	4.508	2.547	10.275

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:38:13	384.380	420.319	460.945	214.064	732.831	3.125	173131.860	106.250	71.875
2	23:39:21	353.129	417.194	457.820	228.127	631.264	1.563	173718.600	101.563	39.063
3	23:40:29	384.380	396.881	432.819	215.627	668.766	6.250	174814.660	104.688	57.813
x		373.963	411.464	450.528	219.273	677.620	3.646	173888.370	104.167	56.250
σ		18.043	12.726	15.416	7.708	51.359	2.387	854.153	2.387	16.462
%RSD		4.825	3.093	3.422	3.515	7.579	65.465	0.491	2.291	29.266

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:38:13	1.563	1.563	37.500	20.313	256.252	551.573	13683.112	24218.950	433259.340
2	23:39:21	3.125	3.125	45.313	21.875	225.002	539.073	13442.259	24403.639	431385.130
3	23:40:29	6.250	6.250	32.813	31.250	253.127	604.700	13853.589	24320.685	436283.700
x		3.646	3.646	38.542	24.479	244.794	565.115	13659.653	24314.424	433642.720
σ		2.387	2.387	6.315	5.916	17.211	34.847	206.666	92.503	2471.685
%RSD		65.465	65.465	16.384	24.166	7.031	6.166	1.513	0.380	0.570

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:38:13	458270.310	317.191	687.517	7953.776	6821.941	17266.679	437924.970	3130.030
2	23:39:21	458751.000	245.315	706.267	7956.903	7051.740	17509.161	440669.980	3042.512
3	23:40:29	460559.370	251.565	593.762	8077.283	7108.018	17570.173	442674.290	2978.436
x		459193.560	271.357	662.515	7995.987	6993.900	17448.671	440423.080	3050.326
σ		1207.000	39.816	60.276	70.421	151.556	160.535	2384.264	76.099
%RSD		0.263	14.673	9.098	0.881	2.167	0.920	0.541	2.495

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:46:08	9287.393	12.500	459.382	609.388	15075735.000	3976556.600	562939.730	671610.480	73896.883
2	23:47:16	9110.717	10.417	465.633	654.703	15072038.000	3985931.500	562148.530	668839.610	73212.121
3	23:48:24	9210.781	10.938	475.008	725.018	15054989.000	4007510.000	564863.470	667766.100	73197.986
x		9202.963	11.285	466.674	663.036	15067587.000	3989999.300	563317.240	669405.400	73435.664
σ		88.597	1.084	7.865	58.264	11065.755	15872.566	1396.287	1983.662	399.490
%RSD		0.963	9.608	1.685	8.787	0.073	0.398	0.248	0.296	0.544

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:46:08	470377.890	4696.084	42610.328	1360865.200	2548759.900	46547.585	771811.810	68438.542	428.131
2	23:47:16	465151.490	4713.277	42430.105	1372105.400	2546901.200	47053.928	771887.620	68663.053	418.756
3	23:48:24	465726.020	4724.218	43024.065	1377041.900	2561131.500	46635.371	766716.910	68728.994	420.319
x		467085.130	4711.193	42688.166	1370004.200	2552264.200	46745.628	770138.780	68610.197	422.402
σ		2866.042	14.182	304.534	8290.527	7735.351	270.579	2963.674	152.269	5.023
%RSD		0.614	0.301	0.713	0.605	0.303	0.579	0.385	0.222	1.189

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:46:08	193053.500	3270.687	64443.464	58778.486	131308.520	990347.920	27780.109	582.824	929.718
2	23:47:16	208255.410	3267.561	68498.202	59526.888	132483.350	993727.150	28008.680	625.014	939.093
3	23:48:24	216092.400	3491.052	71927.495	59117.380	130964.760	1001273.000	27988.328	659.390	1018.786
x		205800.440	3343.100	68289.720	59140.918	131585.540	995116.020	27925.706	622.409	962.532
σ		11714.008	128.139	3746.369	374.756	796.297	5593.391	126.500	38.349	48.942
%RSD		5.692	3.833	5.486	0.634	0.605	0.562	0.453	6.161	5.085

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:46:08	3537.938	1718.853	5129.046	2825.800	806.273	806.273	225.002	27.083	16.667
2	23:47:16	3453.542	1771.985	5300.983	2958.119	896.903	896.903	256.773	27.604	14.063
3	23:48:24	3416.033	1651.658	5193.131	3056.056	875.027	875.027	225.523	21.875	13.542
x		3469.171	1714.165	5207.720	2946.658	859.401	859.401	235.766	25.521	14.757
σ		62.437	60.300	86.892	115.555	47.293	47.293	18.195	3.168	1.674
%RSD		1.800	3.518	1.669	3.922	5.503	5.503	7.717	12.414	11.345

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:46:08	385.943	346.879	385.943	229.689	604.700	3.125	174324.350	96.875	32.813
2	23:47:16	429.694	389.068	481.258	210.939	595.325	3.125	175777.940	71.875	39.063
3	23:48:24	400.006	334.379	392.193	237.502	607.825	4.688	176591.000	120.313	40.625
x		405.214	356.775	419.798	226.043	602.617	3.646	175564.430	96.355	37.500
σ		22.336	28.656	53.318	13.652	6.505	0.902	1148.308	24.223	4.134
%RSD		5.512	8.032	12.701	6.039	1.080	24.744	0.654	25.140	11.024

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:46:08	1.563	1.563	20.313	31.250	420.319	460.945	12679.062	22783.779	438095.720
2	23:47:16	4.688	4.688	42.188	35.938	475.008	425.006	12801.045	22990.360	443015.890
3	23:48:24	4.688	4.688	26.563	29.688	403.131	512.509	13029.377	22835.424	441307.980
x		3.646	3.646	29.688	32.292	432.819	466.153	12836.494	22869.854	440805.530
σ		1.804	1.804	11.267	3.253	37.534	43.983	177.828	107.508	2498.120
%RSD		49.487	49.487	37.953	10.073	8.672	9.435	1.385	0.470	0.567

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:46:08	464928.790	157.813	415.631	8130.438	7322.189	17473.179	443455.790	3022.195
2	23:47:16	470447.310	146.876	334.379	8153.889	6907.920	17186.895	450592.730	2995.627
3	23:48:24	468907.270	118.750	315.628	8233.622	7098.638	17321.432	450890.980	2978.436
x		468094.460	141.147	355.213	8172.650	7109.582	17327.169	448313.170	2998.752
σ		2847.630	20.152	53.157	54.090	207.351	143.228	4209.257	22.046
%RSD		0.608	14.277	14.965	0.662	2.917	0.827	0.939	0.735

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:54:03	9149.804	10.417	478.133	534.385	15584975.000	4124294.900	584191.380	691413.050	191932.290
2	23:55:11	9223.289	14.583	500.009	560.949	15629229.000	4147587.600	584513.540	694893.140	193565.040
3	23:56:19	9256.123	17.188	504.696	506.259	15680434.000	4136487.700	581344.330	689577.440	193530.190
x		9209.739	14.063	494.279	533.864	15631546.000	4136123.400	583349.750	691961.210	193009.170
σ		54.439	3.415	14.178	27.348	47771.759	11650.628	1744.203	2699.912	932.771
%RSD		0.591	24.287	2.868	5.123	0.306	0.282	0.299	0.390	0.483

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:54:03	524816.240	5205.636	43577.301	2396796.400	2590002.600	47162.096	789801.490	68564.143	962.532
2	23:55:11	524242.620	5296.294	43525.581	2441877.200	2608252.200	47406.653	787930.420	68276.834	954.719
3	23:56:19	522722.800	5260.343	44045.922	2467607.000	2606417.600	47596.345	791727.260	68391.443	950.032
x		523927.220	5254.091	43716.268	2435426.900	2601557.500	47388.365	789819.720	68410.806	955.761
σ		1081.774	45.651	286.658	35843.261	10048.762	217.701	1898.485	144.630	6.315
%RSD		0.206	0.869	0.656	1.472	0.386	0.459	0.240	0.211	0.661

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:54:03	324639.420	27931.968	111169.940	98090.295	149563.220	1636921.300	43556.926	890.653	2020.455
2	23:55:11	365250.980	28356.240	123965.220	97728.453	150471.120	1644203.200	43078.917	928.155	2106.405
3	23:56:19	389692.010	28484.620	131652.290	98014.779	150273.740	1647861.200	43498.937	931.280	2209.546
x		359860.800	28257.609	122262.480	97944.509	150102.690	1642995.200	43378.260	916.696	2112.136
σ		32859.556	289.227	10346.791	190.882	477.507	5569.059	260.855	22.608	94.675
%RSD		9.131	1.024	8.463	0.195	0.318	0.339	0.601	2.466	4.482

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:54:03	3739.552	1890.750	4327.218	4697.126	1476.639	1476.639	230.731	22.396	21.354
2	23:55:11	3650.466	1725.104	4519.465	5148.323	1571.962	1571.962	211.460	26.563	23.438
3	23:56:19	3708.294	1689.162	4536.658	5356.212	1573.524	1573.524	201.564	21.875	26.563
x		3699.437	1768.339	4461.113	5067.221	1540.708	1540.708	214.585	23.611	23.785
σ		45.198	107.524	116.275	336.945	55.491	55.491	14.833	2.569	2.621
%RSD		1.222	6.080	2.606	6.650	3.602	3.602	6.912	10.881	11.022

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:54:03	487.508	453.132	514.072	278.128	729.706	4.688	173152.420	90.625	57.813
2	23:55:11	589.075	479.696	546.885	328.129	746.895	1.563	175308.160	115.625	48.438
3	23:56:19	528.135	457.820	528.135	290.628	695.329	3.125	173971.650	90.625	40.625
x		534.906	463.549	529.697	298.961	723.977	3.125	174144.080	98.959	48.958
σ		51.121	14.178	16.463	26.021	26.256	1.563	1088.164	14.434	8.606
%RSD		9.557	3.059	3.108	8.704	3.627	50.000	0.625	14.586	17.577

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:54:03	0.000	0.000	42.188	21.875	1639.157	504.696	13493.870	24361.379	436038.890
2	23:55:11	3.125	3.125	54.688	26.563	1732.918	492.196	13881.741	23893.402	438326.060
3	23:56:19	10.938	10.938	34.375	42.188	1731.355	506.259	13612.733	24054.610	439856.410
x		4.688	4.688	43.750	30.208	1701.143	501.050	13662.781	24103.130	438073.790
σ		5.634	5.634	10.246	10.636	53.688	7.708	198.720	237.732	1921.222
%RSD		120.185	120.185	23.419	35.208	3.156	1.538	1.454	0.986	0.439

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:54:03	461753.250	121.876	292.190	7597.332	6474.905	15938.574	443162.520	3206.610
2	23:55:11	466474.860	114.063	287.503	7723.963	6579.640	16281.147	441697.880	3286.316
3	23:56:19	462782.640	121.876	264.065	7666.119	6735.963	16357.797	448174.670	3262.873
x		463670.250	119.271	281.253	7662.471	6596.836	16192.506	444345.020	3251.933
σ		2482.799	4.511	15.068	63.394	131.376	223.226	3396.462	40.963
%RSD		0.535	3.782	5.358	0.827	1.991	1.379	0.764	1.260

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:02:00	9221.725	17.188	442.194	628.139	14682680.000	3979749.400	554890.050	660327.320	341998.410
2	00:03:08	9399.967	9.896	487.508	595.325	14789741.000	3982074.400	555747.430	657301.860	341419.170
3	00:04:16	9484.397	10.938	465.633	582.824	14787843.000	3953017.400	558927.320	656258.620	340366.360
x̄		9368.696	12.674	465.112	602.096	14753421.000	3971613.700	556521.600	657962.600	341261.310
σ		134.099	3.944	22.661	23.404	61271.252	16146.780	2127.066	2113.296	827.392
%RSD		1.431	31.117	4.872	3.887	0.415	0.407	0.382	0.321	0.242
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:02:00	549772.790	5591.719	42696.522	2538155.800	2524053.000	45237.136	752831.890	67044.455	1676.661
2	00:03:08	547938.680	5637.050	42919.062	2579214.000	2520770.000	45854.725	755715.830	67655.137	1675.098
3	00:04:16	548078.260	5868.393	42511.597	2601135.500	2532827.700	45478.525	759058.100	68009.940	1820.429
x̄		548596.580	5699.054	42709.060	2572835.100	2525883.600	45523.462	755868.610	67569.844	1724.063
σ		1021.020	148.393	204.022	31970.774	6233.842	311.237	3115.917	488.361	83.459
%RSD		0.186	2.604	0.478	1.243	0.247	0.684	0.412	0.723	4.841
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:02:00	382952.450	10189.570	127664.780	141915.480	208861.030	2326739.200	62461.251	1315.686	1375.066
2	00:03:08	422827.080	10361.569	141314.250	143600.950	210045.400	2326792.700	62185.050	1364.128	1440.698
3	00:04:16	442806.410	10563.279	147240.840	141227.460	210784.290	2428497.100	62795.525	1215.677	1443.823
x̄		416195.320	10371.473	138739.960	142247.960	209896.910	2360676.400	62480.609	1298.497	1419.862
σ		30473.093	187.051	10038.716	1221.175	970.187	58734.518	305.697	75.703	38.826
%RSD		7.322	1.804	7.236	0.858	0.462	2.488	0.489	5.830	2.734
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:02:00	4211.558	2003.265	6598.399	5493.243	1690.725	1690.725	192.189	27.604	14.583
2	00:03:08	4270.951	1915.753	6423.319	5955.408	1809.490	1809.490	208.335	17.708	16.667
3	00:04:16	4197.492	2093.903	6429.572	6122.666	1945.445	1945.445	215.627	25.521	20.313
x̄		4226.667	2004.307	6483.763	5857.106	1815.220	1815.220	205.383	23.611	17.188
σ		38.991	89.080	99.327	326.022	127.457	127.457	11.994	5.217	2.900
%RSD		0.922	4.444	1.532	5.566	7.022	7.022	5.840	22.096	16.872
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:02:00	500.009	418.756	462.507	257.815	626.576	0.000	170516.300	95.313	64.063
2	00:03:08	517.197	428.131	465.633	237.502	639.077	1.563	172028.020	98.438	65.625
3	00:04:16	548.448	385.943	481.258	303.128	703.142	3.125	172499.270	92.188	68.750
x̄		521.885	410.943	469.799	266.148	656.265	1.563	171681.200	95.313	66.146
σ		24.558	22.153	10.046	33.597	41.075	1.563	1035.980	3.125	2.387
%RSD		4.706	5.391	2.138	12.624	6.259	100.000	0.603	3.279	3.608
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:02:00	6.250	6.250	75.000	50.000	356.254	651.577	13647.140	24918.589	432644.240
2	00:03:08	10.938	10.938	54.688	40.625	389.068	721.893	13886.433	24910.763	436961.770
3	00:04:16	1.563	1.563	59.375	31.250	320.316	682.829	14091.321	25021.894	434927.650
x̄		6.250	6.250	63.021	40.625	355.213	685.433	13874.965	24950.415	434844.550
σ		4.688	4.688	10.636	9.375	34.388	35.230	222.312	62.026	2159.965
%RSD		75.000	75.000	16.877	23.077	9.681	5.140	1.602	0.249	0.497
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	00:02:00	458388.060	103.125	229.689	26001.767	23212.594	56360.961	442722.630	3534.812	
2	00:03:08	462992.400	117.188	276.565	26191.175	23564.732	57093.549	445183.290	3470.734	
3	00:04:16	462847.190	84.375	268.753	26804.811	23164.077	57946.974	445246.140	3422.285	
x̄		461409.220	101.563	258.336	26332.584	23313.801	57133.828	444384.020	3475.944	
σ		2617.404	16.462	25.114	419.783	218.662	793.774	1439.150	56.444	
%RSD		0.567	16.209	9.722	1.594	0.938	1.389	0.324	1.624	

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:09:54	8272.707	13724.298	2062.649	407.818	12263784.000	9466886.500	1349688.300	1594228.600	2240909.300
2	00:11:03	8286.778	13791.029	2264.242	340.629	12228968.000	9424983.200	1350920.400	1589547.500	2230789.800
3	00:12:11	8205.481	13701.880	2253.303	357.817	12291284.000	9483911.400	1358690.900	1610526.100	2254823.500
x		8254.989	13739.069	2193.398	368.755	12261345.000	9458593.700	1353099.900	1598100.700	2242174.200
σ		43.448	46.373	113.364	34.905	31229.183	30326.741	4880.992	11012.265	12066.645
%RSD		0.526	0.338	5.168	9.466	0.255	0.321	0.361	0.689	0.538

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:09:54	26759.414	135811.260	29939.152	174167.770	7823040.300	37334.660	609478.120	64145.251	19549.304
2	00:11:03	26123.864	134267.080	29973.599	167460.160	7774628.100	37084.008	610544.090	64336.735	19419.440
3	00:12:11	27463.874	135997.390	30080.073	163751.920	7856799.600	37651.113	614833.230	65339.709	19502.365
x		26782.384	135358.580	29997.608	168459.950	7818156.000	37356.594	611618.480	64607.232	19490.370
σ		670.300	949.836	73.464	5279.413	41302.914	284.188	2834.615	641.528	65.758
%RSD		2.503	0.702	0.245	3.134	0.528	0.761	0.463	0.993	0.337

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:09:54	351059.580	280259.890	50666.251	1059634.100	810147.850	17290753.000	442179.630	348915.820	77352.604
2	00:11:03	346996.470	279025.130	49789.740	1060277.800	809303.510	17277857.000	445549.120	351455.060	76567.140
3	00:12:11	344923.740	279244.990	48869.382	1062956.900	810620.430	17272741.000	445642.590	352917.010	77118.532
x		347659.930	279510.010	49775.124	1060956.300	810023.930	17280451.000	444457.110	351095.970	77012.759
σ		3121.260	658.658	898.523	1762.254	667.147	9281.896	1972.913	2024.623	403.273
%RSD		0.898	0.236	1.805	0.166	0.082	0.054	0.444	0.577	0.524

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:09:54	388439.850	187429.340	160280.060	60687.485	3780.188	3780.188	11135.067	4683.059	20.833
2	00:11:03	388629.270	186052.140	161405.120	60957.903	3575.447	3575.447	11029.777	4688.790	20.313
3	00:12:11	389390.200	187415.090	160316.400	61068.269	3564.507	3564.507	11104.314	4533.011	19.271
x		388819.770	186965.520	160667.200	60904.552	3640.047	3640.047	11089.719	4634.953	20.139
σ		503.002	791.047	639.321	195.918	121.488	121.488	54.141	88.331	0.796
%RSD		0.129	0.423	0.398	0.322	3.338	3.338	0.488	1.906	3.950

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:09:54	61805.283	109293.040	116044.410	69572.123	177565.470	0.000	168769.180	7054.867	337560.330
2	00:11:03	61825.683	107940.630	116759.580	69385.280	177945.150	3.125	167344.750	7093.948	335664.880
3	00:12:11	61500.848	107731.250	115537.200	68738.415	176901.050	1.563	166717.170	7062.683	335557.720
x		61710.605	108321.640	116113.730	69231.939	177470.550	1.563	167610.370	7070.499	336260.970
σ		181.941	847.749	614.130	437.496	528.480	1.563	1051.474	20.680	1126.547
%RSD		0.295	0.783	0.529	0.632	0.298	100.000	0.627	0.292	0.335

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:09:54	5164.996	5164.996	332530.340	81170.575	221794.420	335583.310	313949.760	558188.320	426633.080
2	00:11:03	5141.550	5141.550	329970.430	80270.196	222635.480	338192.200	313477.050	563982.810	426410.960
3	00:12:11	4982.119	4982.119	330183.080	80274.910	220610.680	338321.770	315289.730	560395.700	427547.310
x		5096.222	5096.222	330894.620	80571.894	221680.190	337365.760	314238.850	560855.610	426863.780
σ		99.509	99.509	1420.561	518.478	1017.222	1545.008	940.282	2924.493	602.277
%RSD		1.953	1.953	0.429	0.643	0.459	0.458	0.299	0.521	0.141

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:09:54	453528.790	650988.000	1601704.200	530030.100	500104.640	1191133.100	437670.480	2995716.400
2	00:11:03	454139.940	651089.340	1587944.000	525717.230	497021.670	1182561.400	437175.990	2982246.800
3	00:12:11	450542.750	650518.900	1595705.600	524116.230	492458.270	1179164.300	436681.520	2966344.100
x		452737.160	650865.420	1595117.900	526521.190	496528.190	1184286.200	437175.990	2981435.800
σ		1924.825	304.336	6898.918	3058.807	3846.996	6167.999	494.479	14702.932
%RSD		0.425	0.047	0.433	0.581	0.775	0.521	0.113	0.493

Reviewed By:jaswal
On:11/22/2011 1:16:48 PM
Inst Id :PB

CCB52 11/18/2011 12:16:40 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:17:48	8429.049	13.021	34.375	295.316	208973.600	2736.200	437.507	428.131	12824.504
2	00:18:56	8724.538	13.542	40.625	281.253	210437.040	3653.592	485.946	543.760	13038.760
3	00:20:04	8471.261	14.063	31.250	295.316	211493.090	3555.130	471.883	489.071	13027.813
x		8541.616	13.542	35.417	290.628	210301.240	3314.974	465.112	486.988	12963.692
σ		159.815	0.521	4.774	8.119	1265.220	503.645	24.919	57.843	120.665
%RSD		1.871	3.846	13.478	2.794	0.602	15.193	5.358	11.878	0.931
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:17:48	790.647	787.522	17404.345	153817.410	206351.520	21.875	873.464	67290.923	31.250
2	00:18:56	862.526	881.277	17388.701	152806.650	208120.660	23.438	995.347	67323.890	39.063
3	00:20:04	793.772	778.146	17639.008	153198.310	207667.260	25.000	910.967	66750.898	34.375
x		815.648	815.648	17477.352	153274.120	207379.810	23.438	926.593	67121.903	34.896
σ		40.627	57.029	140.217	509.627	918.929	1.563	62.426	321.723	3.932
%RSD		4.981	6.992	0.802	0.332	0.443	6.667	6.737	0.479	11.268
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:17:48	40792.533	668.766	13679.984	3291.004	423.444	40546.522	1895.438	85.938	68.750
2	00:18:56	39772.475	665.641	13263.967	3272.250	473.445	41649.689	1972.011	123.438	81.250
3	00:20:04	39275.791	673.453	12921.466	3458.231	514.072	41521.190	1878.249	100.000	93.750
x		39946.933	669.287	13288.473	3340.495	470.320	41239.133	1915.233	103.125	81.250
σ		773.274	3.932	379.852	102.393	45.395	603.251	49.917	18.944	12.500
%RSD		1.936	0.588	2.859	3.065	9.652	1.463	2.606	18.370	15.385
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:17:48	193.751	65.625	78.125	538.552	200.001	200.001	212.502	13.021	19.792
2	00:18:56	225.002	81.250	89.063	546.365	178.126	178.126	206.251	14.063	14.063
3	00:20:04	209.377	96.875	98.438	539.073	151.563	151.563	225.523	20.833	17.708
x		209.377	81.250	88.542	541.330	176.564	176.564	214.759	15.972	17.188
σ		15.625	15.625	10.166	4.368	24.257	24.257	9.832	4.242	2.900
%RSD		7.463	19.231	11.482	0.807	13.738	13.738	4.578	26.558	16.872
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:17:48	54.688	71.875	79.688	67.188	139.063	1.563	175600.780	89.063	106.250
2	00:18:56	46.875	59.375	62.500	45.313	123.438	3.125	177298.110	100.000	126.563
3	00:20:04	39.063	51.563	64.063	35.938	89.063	0.000	177886.610	107.813	110.938
x		46.875	60.938	68.750	49.479	117.188	1.563	176928.500	98.959	114.584
σ		7.813	10.246	9.504	16.036	25.579	1.563	1186.894	9.418	10.636
%RSD		16.667	16.814	13.824	32.410	21.828	100.000	0.671	9.517	9.282
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:17:48	0.000	0.000	145.313	18.750	306.253	635.952	35.938	81.250	433471.890
2	00:18:56	1.563	1.563	123.438	3.125	243.752	468.758	39.063	120.313	437533.560
3	00:20:04	0.000	0.000	107.813	15.625	189.064	390.630	65.625	118.750	434523.440
x		0.521	0.521	125.521	12.500	246.356	498.447	46.875	106.771	435176.300
σ		0.902	0.902	18.837	8.268	58.638	125.326	16.313	22.116	2108.071
%RSD		173.205	173.205	15.007	66.144	23.802	25.143	34.801	20.713	0.484
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	00:17:48	458150.950	268.753	742.207	131.251	131.251	335.941	452530.690	506.259	
2	00:18:56	460067.330	279.690	712.518	185.939	187.501	392.193	457467.050	612.513	
3	00:20:04	459041.360	237.502	685.954	170.314	146.876	346.879	455549.390	507.822	
x		459086.550	261.982	713.560	162.501	155.209	358.338	455182.380	542.198	
σ		958.991	21.894	28.141	28.169	29.036	29.825	2488.560	60.900	
%RSD		0.209	8.357	3.944	17.334	18.708	8.323	0.547	11.232	

C4481-12 MB9TA3 11/18/2011 12:24:34 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:25:42	9115.407	13.021	75.000	581.262	338550.540	14713.823	2050.147	2362.695	15433.332
2	00:26:50	9146.677	7.813	101.563	635.952	336203.900	14687.234	2048.584	2318.938	15616.343
3	00:27:58	9185.765	11.458	96.875	571.886	337568.320	15061.060	2029.832	2400.202	15525.619
x		9149.283	10.764	91.146	596.367	337440.920	14820.706	2042.854	2360.612	15525.098
σ		35.251	2.673	14.178	34.601	1178.497	208.577	11.305	40.672	91.507
%RSD		0.385	24.830	15.555	5.802	0.349	1.407	0.553	1.723	0.589

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:25:42	3259.747	928.155	17889.319	2358285.000	238442.190	754.707	12858.910	65964.445	76.563
2	00:26:50	3287.878	926.593	18083.313	2397962.700	239215.910	737.519	12902.699	66060.198	70.313
3	00:27:58	3494.177	906.279	18363.357	2425120.700	241917.080	750.020	13243.636	66925.148	62.500
x		3347.268	920.342	18111.996	2393789.500	239858.390	747.415	13001.748	66316.597	69.792
σ		128.003	12.204	238.317	33612.700	1824.360	8.885	210.622	529.191	7.046
%RSD		3.824	1.326	1.316	1.404	0.761	1.189	1.620	0.798	10.095

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:25:42	244524.980	2490.842	82298.878	6223.230	1954.821	68309.803	2362.695	45.313	192.189
2	00:26:50	291615.060	2764.330	96430.615	6216.978	1918.879	69085.395	2303.311	62.500	189.064
3	00:27:58	322549.120	2862.787	107879.230	6664.054	1895.438	69311.486	2367.384	54.688	185.939
x		286229.720	2705.986	95536.242	6368.087	1923.046	68902.228	2344.463	54.167	189.064
σ		39289.858	192.714	12813.609	256.334	29.910	525.361	35.716	8.606	3.125
%RSD		13.727	7.122	13.412	4.025	1.555	0.762	1.523	15.887	1.653

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:25:42	865.651	385.943	1942.320	3093.043	906.279	906.279	188.022	14.583	22.396
2	00:26:50	907.841	415.631	1936.069	3582.220	1109.418	1109.418	209.897	23.438	19.271
3	00:27:58	823.461	414.069	1859.496	3885.424	1303.184	1303.184	218.752	17.708	16.667
x		865.651	405.214	1912.628	3520.229	1106.294	1106.294	205.557	18.576	19.444
σ		42.190	16.708	46.120	399.811	198.471	198.471	15.818	4.490	2.869
%RSD		4.874	4.123	2.411	11.358	17.940	17.940	7.695	24.173	14.752

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:25:42	148.438	28.125	40.625	31.250	43.750	4.688	172061.220	81.250	106.250
2	00:26:50	134.376	29.688	40.625	28.125	35.938	4.688	174145.630	117.188	46.875
3	00:27:58	106.250	20.313	59.375	25.000	40.625	1.563	176837.770	110.938	40.625
x		129.688	26.042	46.875	28.125	40.104	3.646	174348.210	103.125	64.584
σ		21.481	5.023	10.825	3.125	3.932	1.804	2394.709	19.200	36.220
%RSD		16.564	19.287	23.094	11.111	9.805	49.487	1.374	18.619	56.082

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:25:42	4.688	4.688	78.125	9.375	560.949	439.069	243.752	425.006	426485.000
2	00:26:50	0.000	0.000	71.875	7.813	489.071	273.440	260.940	448.445	432080.690
3	00:27:58	1.563	1.563	14.063	12.500	381.255	254.690	264.065	418.756	434117.630
x		2.083	2.083	54.688	9.896	477.091	322.400	256.252	430.736	430894.440
σ		2.387	2.387	35.321	2.387	90.444	101.473	10.938	15.651	3952.167
%RSD		114.564	114.564	64.587	24.119	18.957	31.474	4.268	3.634	0.917

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:25:42	453088.590	296.878	807.835	1939.194	1711.040	4178.736	444875.480	131.251
2	00:26:50	458678.410	210.939	573.449	1867.310	1792.300	4199.055	452662.910	89.063
3	00:27:58	458618.730	196.876	396.881	1857.933	1700.101	4175.610	454228.630	90.625
x		456795.240	234.898	592.722	1888.146	1734.480	4184.467	450589.010	103.646
σ		3210.197	54.135	206.154	44.457	50.371	12.730	5009.606	23.919
%RSD		0.703	23.046	34.781	2.355	2.904	0.304	1.112	23.077

Reviewed By: jaswal
On: 11/22/2011 1:16:48 PM
Inst id: P8

C4481-13 MB9TA4 11/18/2011 12:32:28 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:33:36	9099.772	13.021	71.875	564.074	686567.210	19020.466	2631.492	3100.336	17667.168
2	00:34:44	8921.535	10.938	62.500	635.952	690981.990	18802.991	2626.804	3006.566	17728.181
3	00:35:52	9229.543	13.021	70.313	617.201	685340.030	19280.189	2614.302	3084.708	17674.990
x		9083.617	12.326	68.229	605.742	687629.750	19034.549	2624.199	3063.870	17690.113
σ		154.638	1.203	5.023	37.284	2967.262	238.910	8.886	50.238	33.199
%RSD		1.702	9.758	7.362	6.155	0.432	1.255	0.339	1.640	0.188
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
1	00:33:36	3628.586	1057.852	18116.167	2126930.800	240453.610	943.781	16184.162	66411.823	57.813
2	00:34:44	3750.492	981.284	17991.009	2166846.500	241734.330	857.838	16007.401	67449.480	78.125
3	00:35:52	3847.393	1060.977	17947.204	2163680.900	243684.230	862.526	15899.468	66667.698	68.750
x		3742.157	1033.371	18018.127	2152486.100	241957.390	888.048	16030.344	66843.000	68.229
σ		109.642	45.136	87.685	22188.050	1626.618	48.323	143.727	540.584	10.166
%RSD		2.930	4.368	0.487	1.031	0.672	5.441	0.897	0.809	14.900
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
1	00:33:36	288848.760	3059.703	96661.858	7627.036	3545.753	91300.196	2956.556	59.375	270.315
2	00:34:44	318425.320	3159.724	106511.210	7470.703	3806.757	91641.433	2923.737	59.375	275.003
3	00:35:52	336018.360	3351.956	112895.900	7772.426	3759.870	91580.104	2892.480	56.250	275.003
x		314430.810	3190.461	105356.320	7623.388	3704.126	91507.244	2924.258	58.333	273.440
σ		23837.150	148.531	8178.407	150.895	139.145	181.912	32.041	1.804	2.706
%RSD		7.581	4.655	7.763	1.979	3.756	0.199	1.096	3.093	0.990
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
1	00:33:36	959.407	521.885	1606.340	3393.111	1112.543	1112.543	207.293	19.271	15.104
2	00:34:44	1078.166	493.759	1595.402	3724.444	1176.611	1176.611	202.085	12.500	22.917
3	00:35:52	1025.037	450.007	1742.294	3943.774	1279.745	1279.745	211.460	17.708	18.750
x		1020.870	488.550	1648.012	3687.110	1189.633	1189.633	206.946	16.493	18.924
σ		59.489	36.221	81.833	277.223	84.358	84.358	4.697	3.545	3.909
%RSD		5.827	7.414	4.966	7.519	7.091	7.091	2.270	21.495	20.657
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
1	00:33:36	173.439	28.125	59.375	25.000	34.375	3.125	175053.500	96.875	25.000
2	00:34:44	154.688	26.563	54.688	20.313	26.563	9.375	177067.150	76.563	17.188
3	00:35:52	182.814	14.063	48.438	32.813	25.000	4.688	175842.790	95.313	35.938
x		170.314	22.917	54.167	26.042	28.646	5.729	175987.810	89.584	26.042
σ		14.321	7.708	5.487	6.315	5.023	3.253	1014.629	11.303	9.418
%RSD		8.408	33.633	10.130	24.249	17.534	56.773	0.577	12.618	36.166
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
1	00:33:36	3.125	3.125	18.750	7.813	3925.539	215.627	404.693	637.514	428984.760
2	00:34:44	3.125	3.125	7.813	12.500	3773.936	151.563	367.192	764.083	432434.920
3	00:35:52	0.000	0.000	17.188	15.625	3794.254	162.501	325.004	696.892	433570.120
x		2.083	2.083	14.583	11.979	3831.243	176.564	365.630	699.496	431663.270
σ		1.804	1.804	5.916	3.932	82.292	34.269	39.868	63.325	2388.086
%RSD		86.603	86.603	40.564	32.825	2.148	19.409	10.904	9.053	0.553
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
1	00:33:36	453490.090	117.188	265.627	2054.835	1895.438	4400.678	446072.900	112.500	
2	00:34:44	456647.700	87.500	209.377	2092.341	1842.306	4366.292	448703.390	89.063	
3	00:35:52	458204.180	89.063	192.189	1989.201	1762.609	4375.670	453493.320	93.750	
x		456113.990	97.917	222.398	2045.459	1833.451	4380.880	449423.200	98.438	
σ		2401.934	16.707	38.412	52.205	66.856	17.775	3762.212	12.402	
%RSD		0.527	17.063	17.272	2.552	3.646	0.406	0.837	12.599	

Reviewed By:jaswal
On:11/22/2011 1:18:48 PM
Inst Id :P6

C4481-14 MB9TA0 11/18/2011 12:40:22 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:41:30	9554.757	13.542	176.564	729.706	462250.190	25986.113	3508.243	4260.010	24054.610
2	00:42:38	9634.498	9.375	135.938	632.827	464197.780	26418.155	3539.501	3959.924	24400.508
3	00:43:46	9387.458	9.375	153.126	692.204	463497.450	26400.935	3592.639	4055.263	24377.031
x̄		9525.571	10.764	155.209	684.912	463315.140	26268.401	3546.794	4091.732	24277.383
σ		126.079	2.406	20.393	48.850	986.510	244.620	42.668	153.331	193.284
%RSD		1.324	22.349	13.139	7.132	0.213	0.931	1.203	3.747	0.796

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:41:30	3400.405	1054.726	18659.053	3215533.300	239768.810	1046.913	16847.428	66531.126	96.875
2	00:42:38	3481.674	1037.538	18629.326	3309788.800	239438.340	984.409	17510.725	67441.631	85.938
3	00:43:46	3469.171	1089.104	18499.470	3320594.800	239973.770	990.659	17143.092	67264.235	120.313
x̄		3450.417	1060.456	18595.950	3281972.300	239726.970	1007.327	17167.082	67078.997	101.042
σ		43.761	26.256	84.865	57790.959	270.158	34.425	332.299	482.690	17.562
%RSD		1.268	2.476	0.456	1.761	0.113	3.417	1.936	0.720	17.381

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:41:30	478807.350	4058.389	159208.810	8299.285	1967.323	90800.149	2848.722	65.625	209.377
2	00:42:38	540072.470	4516.339	178375.460	8385.273	1947.008	91842.720	2754.953	62.500	262.502
3	00:43:46	573521.850	4685.143	190977.430	8674.508	2045.459	92067.598	2704.944	59.375	270.315
x̄		530800.560	4419.957	176187.230	8453.022	1986.597	91570.155	2769.539	62.500	247.398
σ		48033.169	324.303	15996.958	196.572	51.979	676.258	72.990	3.125	33.158
%RSD		9.049	7.337	9.080	2.325	2.616	0.739	2.635	5.000	13.403

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:41:30	903.154	393.755	2098.592	5496.370	1764.171	1764.171	204.689	14.063	15.625
2	00:42:38	857.838	400.006	2170.477	6116.413	1936.069	1936.069	216.668	16.667	14.063
3	00:43:46	834.399	368.755	2036.083	6388.928	2064.212	2064.212	214.064	22.396	19.792
x̄		865.130	387.505	2101.717	6000.570	1921.484	1921.484	211.807	17.708	16.493
σ		34.952	16.536	67.252	457.417	150.551	150.551	6.301	4.263	2.962
%RSD		4.040	4.267	3.200	7.623	7.835	7.835	2.975	24.075	17.957

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:41:30	137.501	28.125	56.250	35.938	25.000	7.813	176350.560	93.750	14.063
2	00:42:38	150.001	18.750	40.625	14.063	17.188	3.125	177568.630	82.813	28.125
3	00:43:46	131.251	23.438	35.938	18.750	32.813	1.563	177948.310	87.500	26.563
x̄		139.584	23.438	44.271	22.917	25.000	4.167	177289.170	88.021	22.917
σ		9.547	4.688	10.636	11.517	7.813	3.253	834.734	5.487	7.708
%RSD		6.840	20.000	24.024	50.258	31.250	78.062	0.471	6.234	33.633

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:41:30	0.000	0.000	32.813	6.250	350.004	140.626	301.566	606.263	431711.970
2	00:42:38	0.000	0.000	15.625	3.125	335.941	142.188	310.941	576.574	439086.380
3	00:43:46	0.000	0.000	21.875	9.375	343.754	104.688	295.316	551.573	436683.130
x̄		0.000	0.000	23.438	6.250	343.233	129.167	302.607	578.137	435827.160
σ		0.000	0.000	8.700	3.125	7.046	21.214	7.865	27.378	3760.982
%RSD		0.000	0.000	37.118	50.000	2.053	16.424	2.599	4.736	0.863

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:41:30	460975.610	75.000	204.689	2901.857	2511.158	6274.815	450591.120	237.502
2	00:42:38	461566.100	79.688	165.626	2947.179	2700.255	6399.871	451445.590	215.627
3	00:43:46	461837.150	60.938	170.314	3015.943	2706.506	6343.596	458076.750	270.315
x̄		461459.620	71.875	180.209	2954.993	2639.307	6339.427	453371.150	241.148
σ		440.530	9.758	21.329	57.443	111.024	62.632	4097.501	27.526
%RSD		0.095	13.576	11.836	1.944	4.207	0.988	0.904	11.415

Reviewed By: SWS
On: 11/22/2011 11:16:48 AM
Inst Id: P6

C4481-02 MB9TA7 11/18/2011 12:48:17 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:49:25	10261.497	1569.878	1314.123	9070.066	15556256.000	15429949.000	2118474.600	2515375.700	42991460.000
2	00:50:33	10233.351	1594.881	1361.002	9231.106	15903818.000	15775729.000	2176772.900	2565069.700	44058894.000
3	00:51:41	10583.606	1639.157	1398.506	9445.309	16151241.000	15998478.000	2197549.800	2577643.200	44398478.000
x		10359.485	1601.305	1357.877	9248.827	15870438.000	15734719.000	2164265.800	2552696.200	43816277.000
σ		194.605	35.083	42.278	188.248	298893.880	286474.400	40994.412	32926.286	734215.340
%RSD		1.879	2.191	3.114	2.035	1.883	1.821	1.894	1.290	1.676

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:49:25	6345062.100	652581.740	111226.630	2282642.700	8746105.700	105456.560	1748012.900	88554.871	49584.340
2	00:50:33	6517932.500	667375.010	113963.700	2366996.500	9018437.600	107244.800	1784558.500	90705.803	51120.992
3	00:51:41	6603169.700	676187.750	115174.920	2379992.300	9136468.600	108823.860	1805056.900	91605.265	51144.513
x		6488721.400	665381.500	113455.080	2343210.500	8967004.000	107175.070	1779209.500	90288.646	50616.615
σ		131509.860	11928.601	2022.688	52854.234	200199.550	1684.733	28895.739	1567.399	894.054
%RSD		2.027	1.793	1.783	2.256	2.233	1.572	1.624	1.736	1.766

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:49:25	764402.370	225706.550	116940.740	36125608.000	4108634.600	616421140.000	15369385.000	242830.820	181057.320
2	00:50:33	834965.850	231682.320	135828.610	36621817.000	4152421.500	623730970.000	15534782.000	249204.810	184285.710
3	00:51:41	867329.990	232932.090	145458.660	37363968.000	4279586.900	636609480.000	15815481.000	251947.610	188113.240
x		822232.740	230106.990	132742.670	36703798.000	4180214.300	625587200.000	15573216.000	247994.410	184485.430
σ		52631.958	3861.785	14507.247	623237.260	88800.371	10221369.000	225517.490	4677.366	3532.196
%RSD		6.401	1.678	10.929	1.698	2.124	1.634	1.448	1.886	1.915

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:49:25	291927.590	138360.550	1158214.200	30456.911	1420.383	1420.383	482.300	196.876	60.417
2	00:50:33	296273.510	143225.330	1181363.400	31757.134	1561.023	1561.023	503.655	194.272	58.333
3	00:51:41	302553.080	145881.690	1197726.600	32308.368	1646.970	1646.970	498.967	197.397	55.729
x		296918.060	142489.190	1179101.400	31507.471	1542.792	1542.792	494.974	196.182	58.160
σ		5341.990	3814.227	19853.111	950.643	114.388	114.388	11.224	1.674	2.349
%RSD		1.799	2.677	1.684	3.017	7.414	7.414	2.267	0.853	4.038

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:49:25	7380.031	2692.441	4144.351	1823.554	4771.109	14.063	169139.140	1245.367	2854.973
2	00:50:33	7564.502	2995.627	4238.129	1848.557	4799.244	10.938	173011.660	1207.864	2898.732
3	00:51:41	7886.551	2911.234	4239.691	1856.371	4868.017	3.125	173339.030	1348.501	2922.174
x		7610.361	2866.434	4207.390	1842.827	4812.790	9.375	171829.950	1267.244	2891.959
σ		256.355	156.479	54.599	17.142	49.854	5.634	2336.048	72.826	34.109
%RSD		3.369	5.459	1.298	0.930	1.036	60.093	1.360	5.747	1.179

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:49:25	678.141	678.141	2665.874	7910.002	17412.167	19855.977	709811.340	1271882.500	481965.620
2	00:50:33	739.082	739.082	2853.410	8268.017	17815.790	20341.034	727403.010	1296356.600	491347.550
3	00:51:41	700.017	700.017	2956.556	8246.129	18230.375	20333.210	734088.550	1304016.700	494869.160
x		705.747	705.747	2825.280	8141.383	17819.444	20176.740	723767.630	1290752.000	489394.110
σ		30.872	30.872	147.369	200.680	409.116	277.817	12540.243	16784.256	6669.879
%RSD		4.374	4.374	5.216	2.465	2.296	1.377	1.733	1.300	1.363

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:49:25	507657.920	2767.456	7237.771	2947836.800	2520879.800	6167510.700	449778.600	119105.390
2	00:50:33	516319.570	2981.561	7017.348	2990216.600	2542729.700	6286369.400	459126.850	120725.150
3	00:51:41	524038.460	3072.205	7259.657	3020055.600	2579900.500	6283754.100	460062.490	121451.580
x		516005.320	2940.407	7171.592	2986036.300	2547836.700	6245878.100	456322.650	120427.370
σ		8194.788	156.487	134.026	36290.380	29839.920	67880.743	5686.585	1201.107
%RSD		1.588	5.322	1.869	1.215	1.171	1.087	1.246	0.997

Reviewed By jaswal
on 11/22/2011 1:16:48 PM
Instr id - P6

C4481-02X25 MB9TA7 11/18/2011 12:56:12 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:57:20	8471.261	63.542	87.500	734.394	818600.480	609062.500	84319.988	100152.970	1792751.700
2	00:58:28	8360.258	64.583	85.938	685.954	820544.910	613196.330	82845.775	99602.265	1779160.500
3	00:59:36	8113.241	59.896	54.688	717.206	824121.940	618101.060	84998.994	100222.200	1808365.300
x		8314.920	62.674	76.042	712.518	821089.110	613453.300	84054.919	99992.480	1793425.900
σ		183.266	2.461	18.510	24.558	2800.670	4524.754	1100.811	339.704	14614.044
%RSD		2.204	3.927	24.342	3.447	0.341	0.738	1.310	0.340	0.815

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:57:20	262715.550	25147.114	20043.739	243339.360	555359.330	4088.085	70302.247	66625.314	1982.950
2	00:58:28	262260.420	25323.988	20301.916	236662.970	554386.680	4150.603	69148.198	66080.605	1898.564
3	00:59:36	265261.960	25399.121	20287.833	234378.900	554105.780	4236.566	70083.991	65992.700	1887.625
x		263412.640	25290.075	20211.163	238127.080	554617.260	4158.418	69844.812	66232.873	1923.046
σ		1617.640	129.382	145.164	4656.198	657.814	74.548	613.076	342.694	52.166
%RSD		0.614	0.512	0.718	1.955	0.119	1.793	0.878	0.517	2.713

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:57:20	92327.077	9684.532	24743.285	1525428.900	165028.990	25430924.000	643479.350	9623.553	7309.682
2	00:58:28	88408.657	9728.311	23974.788	1535137.800	166271.390	25233501.000	640924.500	9825.253	7526.982
3	00:59:36	86463.996	9507.850	22840.119	1541226.900	168024.540	25436910.000	650651.300	10137.971	7373.778
x		89066.577	9640.231	23852.731	1533931.200	166441.640	25367112.000	645018.380	9862.259	7403.481
σ		2986.398	116.716	957.436	7967.812	1505.016	115749.000	5042.727	259.198	111.654
%RSD		3.353	1.211	4.014	0.519	0.904	0.456	0.782	2.628	1.508

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:57:20	12349.085	5733.963	47941.245	1629.260	196.876	196.876	223.439	28.125	19.792
2	00:58:28	12094.180	5934.045	47329.837	1611.028	193.751	193.751	230.731	26.042	16.146
3	00:59:36	12383.490	5991.881	47649.647	1644.366	162.501	162.501	227.085	21.354	25.521
x		12275.585	5886.630	47640.243	1628.218	184.376	184.376	227.085	25.174	20.486
σ		158.041	135.339	305.813	16.693	19.009	19.009	3.646	3.468	4.726
%RSD		1.287	2.299	0.642	1.025	10.310	10.310	1.606	13.776	23.069

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:57:20	293.753	131.251	165.626	89.063	200.001	1.563	173264.700	142.188	140.626
2	00:58:28	276.565	129.688	182.814	92.188	185.939	4.688	174337.000	146.876	131.251
3	00:59:36	315.628	142.188	150.001	60.938	221.877	1.563	173626.870	142.188	117.188
x		295.316	134.376	166.147	80.729	202.606	2.604	173742.860	143.751	129.688
σ		19.578	6.811	16.413	17.211	18.110	1.804	545.480	2.706	11.797
%RSD		6.630	5.069	9.878	21.320	8.939	69.282	0.314	1.883	9.096

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:57:20	18.750	18.750	131.251	360.942	807.835	770.333	28894.817	50929.685	434243.230
2	00:58:28	17.188	17.188	112.500	342.192	757.833	854.713	28220.033	51196.260	437436.920
3	00:59:36	21.875	21.875	126.563	360.942	726.581	815.648	28520.629	51709.040	434946.980
x		19.271	19.271	123.438	354.692	764.083	813.565	28545.160	51278.328	435542.380
σ		2.387	2.387	9.758	10.826	40.986	42.228	338.060	396.106	1678.031
%RSD		12.385	12.385	7.905	3.052	5.364	5.191	1.184	0.772	0.385

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:57:20	455325.230	189.064	432.819	121478.370	104159.590	254533.470	451348.860	4911.782
2	00:58:28	460027.000	185.939	398.443	119363.780	101669.880	252776.110	455605.840	4727.345
3	00:59:36	458499.360	182.814	445.319	121056.060	102831.270	254484.170	450723.310	4799.244
x		457950.530	185.939	425.527	120632.740	102886.910	253931.250	452559.340	4812.790
σ		2398.455	3.125	24.274	1119.049	1245.790	1000.680	2656.822	92.962
%RSD		0.524	1.681	5.704	0.928	1.211	0.394	0.587	1.932

Reviewed By:pswal
On:11/22/2011 1:16:48 PM
Inst ID:PG

C4481-02X50 MB9TA7 11/18/2011 01:04:06 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:05:15	8042.888	47.917	40.625	440.632	520994.150	307058.640	42318.838	50060.998	903060.820
2	01:06:23	7956.903	35.938	54.688	498.446	523784.070	310837.490	42958.242	51045.723	911819.900
3	01:07:31	7827.144	33.854	32.813	564.074	524474.340	311175.990	42405.031	50686.635	913513.770
x		7942.312	39.236	42.708	501.051	523084.180	309690.710	42560.704	50597.785	909464.830
σ		108.610	7.589	11.085	61.762	1842.632	2285.714	346.965	498.339	5610.331
%RSD		1.367	19.343	25.956	12.327	0.352	0.738	0.815	0.985	0.617

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:05:15	130972.640	13029.377	18551.100	180967.130	377799.180	2145.474	35421.986	65498.245	968.783
2	01:06:23	133410.670	13206.101	18627.762	181666.550	380011.400	2128.284	35636.581	65728.988	1035.975
3	01:07:31	132874.460	13253.020	18538.583	180555.720	379629.570	2028.269	35848.047	65809.043	1023.474
x		132419.260	13162.832	18572.482	181063.130	379146.720	2100.675	35635.538	65678.759	1009.411
σ		1281.173	117.933	48.281	561.601	1182.512	63.292	213.032	161.373	35.736
%RSD		0.968	0.896	0.260	0.310	0.312	3.013	0.598	0.246	3.540

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:05:15	60684.870	5243.150	17826.741	770200.100	83375.406	12762318.000	321830.040	4957.110	3778.625
2	01:06:23	59641.427	5099.347	16894.359	776741.980	84870.106	12780370.000	325617.560	4907.093	3836.453
3	01:07:31	57427.696	5177.501	16459.477	778031.250	84499.167	12782807.000	327914.520	5047.767	3798.943
x		59251.331	5173.333	17060.192	774991.110	84248.226	12775165.000	325120.710	4970.656	3804.673
σ		1663.258	71.992	698.555	4198.914	778.306	11192.606	3072.519	71.309	29.337
%RSD		2.807	1.392	4.095	0.542	0.924	0.088	0.945	1.435	0.771

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:05:15	6246.678	3042.512	23716.545	978.158	121.876	121.876	226.564	17.708	17.708
2	01:06:23	6143.508	3178.479	24527.288	969.304	167.188	167.188	212.502	20.313	15.625
3	01:07:31	6190.403	3105.025	24182.951	953.157	114.063	114.063	217.189	17.708	14.583
x		6193.530	3108.672	24142.261	966.873	134.376	134.376	218.752	18.576	15.972
σ		51.656	68.057	406.900	12.677	28.684	28.684	7.160	1.504	1.591
%RSD		0.834	2.189	1.685	1.311	21.346	21.346	3.273	8.094	9.962

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:05:15	150.001	50.000	103.125	51.563	112.500	3.125	173489.280	117.188	65.625
2	01:06:23	106.250	71.875	85.938	50.000	117.188	4.688	172203.550	90.625	98.438
3	01:07:31	182.814	93.750	95.313	51.563	121.876	1.563	173911.550	118.750	84.375
x		146.355	71.875	94.792	51.042	117.188	3.125	173201.460	108.855	82.813
σ		38.412	21.875	8.606	0.902	4.688	1.563	889.634	15.806	16.462
%RSD		26.246	30.435	9.078	1.767	4.000	50.000	0.514	14.521	19.879

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:05:15	10.938	10.938	73.438	134.376	393.755	431.257	14621.541	24899.806	432048.480
2	01:06:23	23.438	23.438	82.813	164.063	384.380	456.257	14649.695	26220.917	430055.300
3	01:07:31	9.375	9.375	92.188	175.001	379.693	453.132	14487.029	26053.423	434204.580
x		14.583	14.583	82.813	157.813	385.943	446.882	14586.089	25724.715	432102.790
σ		7.708	7.708	9.375	21.022	7.160	13.622	86.935	719.284	2075.175
%RSD		52.852	52.852	11.321	13.320	1.855	3.048	0.596	2.796	0.480

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:05:15	456012.250	100.000	245.315	60145.094	51461.273	127767.250	451687.430	2545.539
2	01:06:23	455900.970	120.313	271.878	61100.699	51969.357	127576.490	448882.310	2443.959
3	01:07:31	456221.910	120.313	329.691	60891.998	51931.720	127661.620	449328.840	2493.968
x		456045.040	113.542	282.295	60712.597	51787.450	127668.460	449966.200	2494.489
σ		162.965	11.728	43.142	502.428	283.104	95.561	1507.263	50.792
%RSD		0.036	10.329	15.283	0.828	0.547	0.075	0.335	2.036

Reviewed By:asval
On:11/22/2011 1:16:48 PM
Instid:P6

C4463-01 MH3BA0 11/18/2011 01:12:03 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:13:11	7964.720	10.938	53.125	409.381	489966.960	6862.585	932.843	1096.917	13925.534
2	01:14:19	8135.128	7.292	48.438	390.630	489286.400	6707.825	995.347	1167.235	14721.644
3	01:15:27	8117.931	9.896	67.188	404.693	485375.060	6451.456	842.212	960.970	13953.686
x		8072.593	9.375	56.250	401.568	488209.470	6673.955	923.467	1075.041	14200.288
σ		93.816	1.878	9.758	9.758	2478.145	207.647	76.997	104.858	451.727
%RSD		1.162	20.031	17.347	2.430	0.508	3.111	8.338	9.754	3.181

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:13:11	5810.556	676.579	16645.630	136606.290	206633.680	118.750	2028.269	65196.871	43.750
2	01:14:19	5754.284	637.514	16586.185	135129.840	207920.910	93.750	1975.137	64842.137	46.875
3	01:15:27	5485.428	653.140	16550.206	134883.790	207537.260	73.438	2054.835	65270.644	45.313
x		5683.423	655.744	16594.007	135539.970	207363.950	95.313	2019.414	65103.217	45.313
σ		173.762	19.662	48.190	931.615	660.882	22.697	40.581	229.091	1.563
%RSD		3.057	2.998	0.290	0.687	0.319	23.813	2.010	0.352	3.448

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:13:11	39115.979	754.707	13127.904	4013.064	939.093	72968.693	2164.226	45.313	92.188
2	01:14:19	38124.241	637.514	12721.287	4083.396	892.215	76988.144	2372.072	60.938	93.750
3	01:15:27	37246.931	637.514	12245.871	3745.804	790.647	67196.731	2172.040	32.813	84.375
x		38162.384	676.579	12698.354	3947.421	873.985	72384.522	2236.113	46.354	90.104
σ		935.108	67.662	441.463	178.112	75.884	4921.776	117.809	14.091	5.023
%RSD		2.450	10.001	3.477	4.512	8.682	6.799	5.268	30.399	5.574

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:13:11	212.502	76.563	451.570	358.859	103.125	103.125	217.710	20.833	13.542
2	01:14:19	206.251	100.000	420.319	333.337	110.938	110.938	209.377	23.958	14.583
3	01:15:27	206.251	89.063	343.754	356.775	110.938	110.938	233.335	18.750	15.625
x		208.335	88.542	405.214	349.657	108.334	108.334	220.141	21.181	14.583
σ		3.608	11.727	55.472	14.172	4.511	4.511	12.163	2.621	1.042
%RSD		1.732	13.245	13.690	4.053	4.164	4.164	5.525	12.377	7.143

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:13:11	26.563	6.250	26.563	17.188	25.000	0.000	173525.650	106.250	23.438
2	01:14:19	14.063	26.563	9.375	20.313	23.438	1.563	172904.120	93.750	10.938
3	01:15:27	23.438	18.750	17.188	17.188	35.938	3.125	175206.930	98.438	10.938
x		21.354	17.188	17.708	18.229	28.125	1.563	173878.900	99.480	15.104
σ		6.505	10.246	8.606	1.804	6.811	1.563	1191.349	6.315	7.217
%RSD		30.463	59.613	48.596	9.897	24.216	100.000	0.685	6.348	47.781

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:13:11	0.000	0.000	10.938	3.125	42.188	35.938	256.252	512.509	429514.390
2	01:14:19	1.563	1.563	9.375	4.688	40.625	23.438	276.565	490.633	425265.060
3	01:15:27	0.000	0.000	17.188	1.563	65.625	14.063	262.502	506.259	429916.850
x		0.521	0.521	12.500	3.125	49.479	24.479	265.107	503.134	428232.100
σ		0.902	0.902	4.134	1.563	14.005	10.975	10.404	11.268	2577.402
%RSD		173.205	173.205	33.072	50.000	28.304	44.833	3.924	2.240	0.602

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:13:11	451029.630	42.188	114.063	418.756	346.879	873.464	450861.960	48.438
2	01:14:19	453156.310	40.625	78.125	401.568	326.566	868.776	447652.420	64.063
3	01:15:27	455488.110	28.125	92.188	314.066	293.753	681.266	453849.680	29.688
x		453224.680	36.979	94.792	378.130	322.399	807.836	450788.020	47.396
σ		2230.024	7.708	18.110	56.143	26.807	109.637	3099.290	17.211
%RSD		0.492	20.843	19.105	14.847	8.315	13.572	0.688	36.314

C4463-13 MH3B94 11/18/2011 01:19:59 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:21:07	8296.158	10.417	145.313	1721.979	10303011.000	4943825.500	701247.300	832471.740	14591.823
2	01:22:15	8258.637	9.375	125.001	1721.979	10346872.000	4979193.200	705259.640	837468.670	14676.285
3	01:23:23	8305.539	9.896	110.938	1773.548	10343844.000	4967396.800	706291.600	834058.850	14402.569
x		8286.778	9.896	127.084	1739.168	10331242.000	4963471.800	704266.180	834666.420	14556.892
σ		24.818	0.521	17.282	29.773	24495.638	18007.540	2664.856	2553.267	140.161
%RSD		0.299	5.263	13.599	1.712	0.237	0.363	0.378	0.306	0.963

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:21:07	535842.580	971.908	47906.755	139509.140	873143.590	55217.445	917421.390	67203.010	71.875
2	01:22:15	537678.410	1012.536	48206.197	139638.520	881976.220	56062.916	921065.330	67785.440	65.625
3	01:23:23	543833.050	960.970	48395.900	140970.250	880989.950	55029.221	908216.510	66994.220	87.500
x		539118.010	981.805	48169.617	140039.300	878703.250	55436.528	915567.740	67327.557	75.000
σ		4185.245	27.170	246.615	808.817	4839.997	550.572	6621.940	410.050	11.267
%RSD		0.776	2.767	0.512	0.578	0.551	0.993	0.723	0.609	15.023

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:21:07	33075.746	703.142	10694.627	31959.146	7304.992	560067.580	18098.958	132.813	162.501
2	01:22:15	30798.789	640.639	9955.030	32269.217	7154.916	558922.450	18285.132	140.626	167.188
3	01:23:23	29907.837	757.833	9804.926	31880.846	6926.679	557520.810	18119.296	125.001	175.001
x		31260.790	700.538	10151.528	32036.403	7128.863	558836.950	18167.795	132.813	168.230
σ		1633.706	58.640	476.288	205.388	190.498	1275.536	102.124	7.813	6.315
%RSD		5.226	8.371	4.692	0.641	2.672	0.228	0.562	5.882	3.754

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:21:07	429.694	220.314	810.961	515.634	96.875	96.875	221.356	23.438	18.750
2	01:22:15	431.257	217.189	870.339	432.298	79.688	79.688	235.419	19.271	12.500
3	01:23:23	417.194	246.877	814.086	472.404	84.375	84.375	213.543	20.313	19.792
x		426.048	228.127	831.795	473.445	86.979	86.979	223.439	21.007	17.014
σ		7.708	16.313	33.417	41.678	8.885	8.885	11.085	2.168	3.944
%RSD		1.809	7.151	4.017	8.803	10.215	10.215	4.961	10.322	23.179

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:21:07	25.000	15.625	37.500	20.313	60.938	0.000	174892.170	92.188	14.063
2	01:22:15	29.688	29.688	35.938	14.063	34.375	0.000	174229.450	96.875	15.625
3	01:23:23	23.438	34.375	21.875	25.000	48.438	3.125	174670.730	100.000	14.063
x		26.042	26.563	31.771	19.792	47.917	1.042	174597.450	96.354	14.583
σ		3.253	9.758	8.606	5.487	13.289	1.804	337.379	3.932	0.902
%RSD		12.490	36.735	27.086	27.725	27.733	173.205	0.193	4.081	6.186

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:21:07	1.563	1.563	6.250	9.375	54.688	81.250	19879.447	36125.306	433769.800
2	01:22:15	1.563	1.563	14.063	12.500	81.250	76.563	20294.092	35758.761	441752.660
3	01:23:23	1.563	1.563	6.250	3.125	42.188	68.750	19901.353	36200.496	438780.320
x		1.563	1.563	8.854	8.333	59.375	75.521	20024.964	36028.168	438100.920
σ		0.000	0.000	4.511	4.774	19.949	6.315	233.329	236.340	4034.563
%RSD		0.000	0.000	50.943	57.282	33.598	8.362	1.165	0.656	0.921

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:21:07	459088.140	71.875	142.188	353.129	373.442	953.157	443879.580	10577.352
2	01:22:15	461303.120	56.250	126.563	415.631	296.878	906.279	448340.700	10370.951
3	01:23:23	461269.230	68.750	134.376	393.755	331.254	775.021	451998.610	10399.096
x		460553.500	65.625	134.376	387.505	333.858	878.152	448072.960	10449.133
σ		1269.150	8.268	7.813	31.716	38.349	92.339	4066.129	111.929
%RSD		0.276	12.599	5.814	8.185	11.486	10.515	0.907	1.071

C4463-01X25 MH3BA0 11/18/2011 01:27:55 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:29:04	8379.019	11.979	15.625	346.879	241551.590	1845.432	231.252	270.315	12826.068
2	01:30:12	8205.481	10.938	10.938	326.566	240868.330	2029.832	215.627	303.128	12849.526
3	01:31:20	8480.641	10.417	15.625	328.129	245079.670	3697.353	454.695	506.259	12938.669
x		8355.047	11.111	14.063	333.858	242499.860	2524.206	300.524	359.901	12871.421
σ		139.138	0.796	2.706	11.304	2260.150	1020.151	133.744	127.807	59.408
%RSD		1.665	7.160	19.245	3.386	0.932	40.415	44.503	35.512	0.462

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:29:04	1481.327	770.333	17892.448	137732.650	204798.160	26.563	801.585	67677.115	43.750
2	01:30:12	1490.703	751.582	17596.768	137944.050	206091.560	25.000	739.082	67367.846	28.125
3	01:31:20	1840.744	756.270	17565.480	136981.730	206419.680	40.625	1068.790	69276.944	40.625
x		1604.258	759.395	17684.899	137552.810	205769.800	30.729	869.819	68107.302	37.500
σ		204.856	9.758	180.422	505.738	857.312	8.606	175.125	1024.675	8.268
%RSD		12.770	1.285	1.020	0.368	0.417	28.005	20.134	1.505	22.048

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:29:04	25972.025	585.950	8808.965	3031.572	379.693	47196.585	1829.805	53.125	70.313
2	01:30:12	25826.449	570.324	8314.919	3001.878	353.129	46831.323	1768.860	34.375	92.188
3	01:31:20	25247.290	601.575	8346.187	3187.856	375.005	49938.696	1881.374	39.063	78.125
x		25681.921	585.950	8490.024	3073.768	369.276	47988.868	1826.679	42.188	80.209
σ		383.375	15.626	276.653	99.912	14.178	1698.448	56.322	9.758	11.085
%RSD		1.493	2.667	3.259	3.250	3.839	3.539	3.083	23.130	13.821

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:29:04	125.001	53.125	79.688	303.128	92.188	92.188	248.961	16.667	11.458
2	01:30:12	123.438	43.750	95.313	297.920	98.438	98.438	217.710	17.708	22.396
3	01:31:20	143.751	68.750	89.063	279.169	82.813	82.813	217.710	21.354	20.313
x		130.730	55.208	88.021	293.406	91.146	91.146	228.127	18.576	18.056
σ		11.304	12.630	7.864	12.601	7.864	7.864	18.042	2.461	5.808
%RSD		8.646	22.876	8.935	4.295	8.628	8.628	7.909	13.250	32.165

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:29:04	15.625	14.063	9.375	9.375	7.813	6.250	182445.130	87.500	10.938
2	01:30:12	18.750	1.563	9.375	4.688	14.063	1.563	181949.810	106.250	6.250
3	01:31:20	10.938	12.500	9.375	6.250	6.250	6.250	184406.000	103.125	12.500
x		15.104	9.375	9.375	6.771	9.375	4.688	182933.640	98.959	9.896
σ		3.932	6.811	0.000	2.387	4.134	2.706	1298.926	10.046	3.253
%RSD		26.034	72.648	0.000	35.251	44.096	57.735	0.710	10.151	32.868

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:29:04	0.000	0.000	7.813	1.563	29.688	37.500	10.938	37.500	443799.010
2	01:30:12	0.000	0.000	15.625	0.000	21.875	17.188	15.625	26.563	447136.640
3	01:31:20	1.563	1.563	7.813	1.563	21.875	21.875	28.125	39.063	449343.350
x		0.521	0.521	10.417	1.042	24.479	25.521	18.229	34.375	446759.670
σ		0.902	0.902	4.511	0.902	4.511	10.636	8.885	6.811	2791.325
%RSD		173.205	173.205	43.301	86.603	18.426	41.675	48.739	19.813	0.625

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:29:04	469031.560	32.813	112.500	76.563	76.563	142.188	463468.410	31.250
2	01:30:12	466899.330	32.813	103.125	57.813	64.063	171.876	463261.870	35.938
3	01:31:20	474162.470	40.625	135.938	106.250	75.000	217.189	469822.550	53.125
x		470031.120	35.417	117.188	80.209	71.875	177.084	465517.610	40.104
σ		3733.311	4.511	16.901	24.424	6.811	37.771	3729.620	11.517
%RSD		0.794	12.736	14.422	30.450	9.476	21.329	0.801	28.719

C4482-01 MB9TA8 11/18/2011 01:35:53 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:37:01	7803.693	16.146	684.391	717.206	14196653.000	6352563.200	903065.810	1069889.000	34605.927
2	01:38:09	7969.410	14.063	693.767	707.830	14262783.000	6392827.200	908291.360	1068291.500	34524.480
3	01:39:17	7916.255	16.667	654.703	704.705	14383471.000	6474630.200	916437.730	1076911.800	34623.156
x		7896.453	15.625	677.620	709.913	14280969.000	6406673.500	909264.970	1071697.400	34584.521
σ		84.614	1.378	20.393	6.506	94727.654	62200.360	6738.917	4585.887	52.706
%RSD		1.072	8.819	3.010	0.916	0.663	0.971	0.741	0.428	0.152
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:37:01	983677.040	3436.351	42776.448	149076.930	3733801.300	29643.223	491231.150	64429.338	137.501
2	01:38:09	995040.580	3467.608	43666.635	151312.750	3777747.600	29917.231	493911.870	65620.680	160.938
3	01:39:17	993089.720	3717.671	43704.250	154010.090	3802020.100	30083.204	500428.180	66279.963	185.939
x		990602.450	3540.543	43382.444	151466.590	3771189.700	29881.220	495190.400	65443.327	161.459
σ		6076.382	154.191	525.145	2470.179	34578.963	222.190	4729.937	937.973	24.223
%RSD		0.613	4.355	1.211	1.631	0.917	0.744	0.955	1.433	15.003
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:37:01	25461.733	1656.346	8425.922	2041810.700	864004.470	33411424.000	856526.850	8386.836	2534.600
2	01:38:09	25662.091	1573.524	8263.327	2044715.200	867613.650	33498511.000	865031.070	8277.397	2611.176
3	01:39:17	25345.902	1637.594	7870.918	2061964.800	879761.340	33775656.000	865548.550	8413.414	2501.782
x		25489.909	1622.488	8186.722	2049496.900	870459.820	33561864.000	862368.820	8359.216	2549.186
σ		159.966	43.428	285.322	10894.743	8255.016	190201.030	5065.908	72.092	56.137
%RSD		0.628	2.677	3.485	0.532	0.948	0.567	0.587	0.862	2.202
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:37:01	918.780	428.131	4471.012	1007.327	107.813	107.813	208.856	22.396	18.750
2	01:38:09	987.534	464.070	4485.079	1012.015	92.188	92.188	231.773	25.000	14.063
3	01:39:17	993.785	457.820	4619.497	1016.182	100.000	100.000	236.981	20.833	14.583
x		966.699	450.007	4525.196	1011.841	100.000	100.000	225.870	22.743	15.799
σ		41.617	19.201	81.969	4.430	7.813	7.813	14.963	2.105	2.569
%RSD		4.305	4.267	1.811	0.438	7.813	7.813	6.625	9.255	16.262
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:37:01	234.377	75.000	118.750	51.563	100.000	0.000	165838.280	112.500	6.250
2	01:38:09	254.690	84.375	93.750	56.250	115.625	0.000	169622.950	106.250	9.375
3	01:39:17	218.752	76.563	90.625	34.375	118.750	0.000	169613.460	115.625	17.188
x		235.939	78.646	101.042	47.396	111.459	0.000	168358.230	111.459	10.938
σ		18.020	5.023	15.415	11.517	10.046	0.000	2182.349	4.774	5.634
%RSD		7.638	6.387	15.256	24.300	9.013	0.000	1.296	4.283	51.508
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:37:01	3.125	3.125	4.688	9.375	210.939	1184.424	29436.547	52124.608	422822.250
2	01:38:09	1.563	1.563	7.813	7.813	170.314	1126.607	29315.987	52166.950	430657.410
3	01:39:17	7.813	7.813	12.500	7.813	176.564	1164.110	29879.653	53031.060	433294.760
x		4.167	4.167	8.333	8.333	185.939	1158.380	29544.062	52440.873	428924.810
σ		3.253	3.253	3.932	0.902	21.875	29.331	296.816	511.556	5446.999
%RSD		78.062	78.062	47.186	10.825	11.765	2.532	1.005	0.975	1.270
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	01:37:01	451684.210	35.938	103.125	3387.902	3200.358	7290.923	433893.790	576.574	
2	01:38:09	455230.080	45.313	126.563	3461.357	2928.425	7372.214	441836.440	565.636	
3	01:39:17	457471.890	31.250	103.125	3480.111	3105.025	7408.170	441676.930	545.323	
x		454795.390	37.500	110.938	3443.123	3077.936	7357.102	439135.720	562.511	
σ		2918.220	7.160	13.532	48.734	137.976	60.067	4540.346	15.858	
%RSD		0.642	19.094	12.198	1.415	4.483	0.816	1.034	2.819	

Reviewed By: eswal
On: 11/22/2011 1:16:48 PM
Inst Id: P6

CCV53 11/18/2011 01:43:48 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:44:56	8117.931	13377.094	2222.048	360.942	12374512.000	9470797.200	1336893.100	1582982.900	2234331.600
2	01:46:05	7989.734	13562.685	2226.736	382.818	12416033.000	9516707.700	1346518.400	1591583.100	2235167.600
3	01:47:13	7980.353	13430.268	2278.307	360.942	12439865.000	9566721.600	1349703.700	1590782.100	2243945.100
x		8029.339	13456.682	2242.363	368.234	12410137.000	9518075.500	1344371.800	1588449.400	2237814.800
σ		76.866	95.574	31.216	12.630	33073.282	47976.827	6669.643	4751.002	5325.440
%RSD		0.957	0.710	1.392	3.430	0.267	0.504	0.496	0.299	0.238

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:44:56	27063.110	136114.120	29305.027	130947.410	7870559.200	38070.974	621002.610	65491.966	20037.480
2	01:46:05	27178.955	135599.890	29326.947	130890.650	7863450.100	37915.875	618520.190	65942.469	19472.637
3	01:47:13	26775.068	135912.210	29106.183	127891.790	7918826.500	37796.810	616315.400	66110.430	19765.226
x		27005.711	135875.410	29246.052	129909.950	7884278.600	37927.886	618612.730	65848.288	19758.448
σ		207.971	259.083	121.625	1748.006	30129.783	137.476	2344.971	319.808	282.482
%RSD		0.770	0.191	0.416	1.346	0.382	0.362	0.379	0.486	1.430

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:44:56	318939.740	281899.490	39089.344	1074193.100	813289.330	17555229.000	448933.900	354952.460	77968.439
2	01:46:05	319863.170	282729.720	39584.454	1074228.400	814900.820	17623488.000	450342.840	354659.370	78205.668
3	01:47:13	316444.530	281676.410	39217.820	1073738.900	822084.430	17595767.000	452161.460	355748.460	78475.893
x		318415.810	282101.880	39297.206	1074053.500	816758.190	17591495.000	450479.400	355120.100	78216.667
σ		1768.512	555.056	256.925	272.995	4682.502	34329.133	1618.107	563.562	253.906
%RSD		0.555	0.197	0.654	0.025	0.573	0.195	0.359	0.159	0.325

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:44:56	395218.900	189341.810	138870.140	60998.179	3403.530	3403.530	11264.335	4680.454	11.458
2	01:46:05	396126.330	188901.670	140096.090	61806.329	3541.064	3541.064	11150.704	4636.169	21.875
3	01:47:13	394133.270	190486.570	138909.590	61479.925	3517.621	3517.621	11356.074	4771.630	15.625
x		395159.500	189576.680	139291.940	61428.144	3487.405	3487.405	11257.038	4696.084	16.319
σ		997.860	818.138	696.693	406.556	73.577	73.577	102.879	69.070	5.243
%RSD		0.253	0.432	0.500	0.662	2.110	2.110	0.914	1.471	32.127

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:44:56	62188.189	110245.630	118081.320	69780.951	181427.600	1.563	170906.870	6978.267	343606.630
2	01:46:05	61596.572	110083.450	117952.130	69320.907	180766.170	0.000	171382.830	7215.885	345066.180
3	01:47:13	62407.894	110551.110	119893.190	70376.047	182462.530	0.000	171876.200	6800.056	345346.260
x		62064.218	110293.400	118642.210	69825.968	181552.100	0.521	171388.630	6998.069	344673.020
σ		419.628	237.457	1085.302	529.009	855.007	0.902	484.695	208.621	934.085
%RSD		0.676	0.215	0.915	0.758	0.471	173.205	0.283	2.981	0.271

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:44:56	5246.276	5246.276	337397.160	81464.428	226911.340	346245.770	320171.520	574224.240	436056.610
2	01:46:05	5224.393	5224.393	337673.900	80586.030	224552.640	346357.820	320968.800	569896.630	436765.270
3	01:47:13	5172.811	5172.811	338304.180	81208.288	228216.260	347902.490	319959.030	575157.550	436488.240
x		5214.493	5214.493	337791.750	81086.249	226560.080	346835.360	320366.450	573092.810	436436.710
σ		37.719	37.719	464.849	451.737	1856.900	925.858	532.363	2807.029	357.131
%RSD		0.723	0.723	0.138	0.557	0.820	0.267	0.166	0.490	0.082

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:44:56	458702.610	661169.660	1615412.500	533781.600	503283.720	1191258.500	442168.350	3014283.800
2	01:46:05	459528.530	662147.810	1625970.200	535203.660	505901.930	1205203.800	445884.340	3015966.200
3	01:47:13	459759.210	663768.940	1618147.600	531190.790	508578.890	1198885.200	441312.810	2995970.100
x		459330.110	662362.140	1619843.400	533392.010	505921.520	1198449.200	443121.830	3008740.000
σ		555.542	1312.829	5479.350	2034.605	2647.636	6982.876	2430.342	11091.036
%RSD		0.121	0.198	0.338	0.381	0.523	0.583	0.548	0.369

Reviewed By:jaswal F
On:11/22/2011 7:16:48 PM
Inst Id :P8

CCB53 11/18/2011 01:51:42 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:52:50	8388.400	17.708	39.063	260.940	233173.480	2336.129	260.940	368.755	13511.074
2	01:53:58	8272.707	13.021	48.438	329.691	235589.190	2679.939	368.755	375.005	13493.870
3	01:55:06	8314.919	19.271	40.625	301.566	235941.820	2859.661	360.942	431.257	13461.026
x		8325.342	16.667	42.708	297.399	234901.500	2625.243	330.212	391.672	13488.657
σ		58.546	3.253	5.023	34.565	1506.857	266.018	60.119	34.423	25.428
%RSD		0.703	19.516	11.761	11.622	0.641	10.133	18.206	8.789	0.189

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:52:50	1009.411	810.961	16478.248	135319.120	203192.660	18.750	764.083	68419.703	35.938
2	01:53:58	1037.538	779.709	16908.438	135590.430	203588.870	10.938	784.397	68334.923	40.625
3	01:55:06	1134.420	793.772	17078.953	136688.320	204924.960	17.188	759.395	68429.122	39.063
x		1060.456	794.814	16821.880	135865.960	203902.160	15.625	769.292	68394.583	38.542
σ		65.580	15.652	309.566	724.989	907.648	4.134	13.290	51.881	2.387
%RSD		6.184	1.969	1.840	0.534	0.445	26.458	1.728	0.076	6.193

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:52:50	15808.742	529.697	5376.011	3339.453	339.067	41635.585	1839.181	57.813	70.313
2	01:53:58	15642.935	589.075	5227.519	3287.878	370.317	42723.164	1767.297	82.813	73.438
3	01:55:06	15414.562	531.260	5113.415	3250.370	395.318	43293.628	1934.506	81.250	79.688
x		15622.080	550.011	5238.982	3292.567	368.234	42550.792	1846.995	73.959	74.479
σ		197.916	33.839	131.673	44.726	28.184	842.354	83.878	14.005	4.774
%RSD		1.267	6.153	2.513	1.358	7.654	1.980	4.541	18.936	6.409

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:52:50	170.314	54.688	60.938	180.730	60.938	60.938	227.606	19.271	16.146
2	01:53:58	167.188	71.875	65.625	179.689	59.375	59.375	233.856	20.313	13.542
3	01:55:06	189.064	87.500	65.625	186.460	53.125	53.125	218.231	14.063	15.625
x		175.522	71.354	64.063	182.293	57.813	57.813	226.564	17.882	15.104
σ		11.831	16.413	2.706	3.646	4.134	4.134	7.865	3.348	1.378
%RSD		6.741	23.001	4.225	2.000	7.151	7.151	3.471	18.726	9.123

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:52:50	67.188	95.313	93.750	64.063	115.625	0.000	181437.100	87.500	35.938
2	01:53:58	53.125	79.688	76.563	46.875	104.688	0.000	181639.650	85.938	50.000
3	01:55:06	29.688	40.625	70.313	37.500	96.875	0.000	182424.550	92.188	71.875
x		50.000	71.875	80.209	49.479	105.730	0.000	181833.770	88.542	52.604
σ		18.944	28.168	12.137	13.471	9.418	0.000	521.564	3.253	18.110
%RSD		37.889	39.191	15.131	27.226	8.908	0.000	0.287	3.674	34.426

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:52:50	6.250	6.250	40.625	14.063	285.940	603.138	31.250	34.375	448058.620
2	01:53:58	0.000	0.000	43.750	6.250	217.189	471.883	35.938	70.313	449544.850
3	01:55:06	3.125	3.125	37.500	10.938	192.189	414.069	28.125	89.063	448245.600
x		3.125	3.125	40.625	10.417	231.773	496.363	31.771	64.583	448616.350
σ		3.125	3.125	3.125	3.932	48.547	96.883	3.932	27.790	809.521
%RSD		100.000	100.000	7.692	37.749	20.946	19.519	12.377	43.030	0.180

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:52:50	474779.330	148.438	368.755	117.188	103.125	270.315	464794.850	367.192
2	01:53:58	471719.490	179.689	378.130	137.501	106.250	318.754	465671.140	351.567
3	01:55:06	475305.780	151.563	357.817	125.001	126.563	303.128	469738.610	381.255
x		473934.870	159.897	368.234	126.563	111.980	297.399	466734.870	366.671
σ		1936.546	17.211	10.167	10.246	12.726	24.722	2637.958	14.851
%RSD		0.409	10.764	2.761	8.096	11.365	8.313	0.565	4.050

C4463-14 MH3B9S 11/18/2011 01:59:37 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:00:45	8447.810	11.458	120.313	2503.344	6630511.500	4692009.200	663001.710	786993.330	13825.437
2	02:01:53	8202.354	11.458	87.500	2637.744	6597348.000	4705723.400	663624.980	780603.540	13725.340
3	02:03:01	8246.129	8.854	131.251	2769.018	6642899.800	4744980.300	674005.350	793791.920	14014.684
x		8298.764	10.590	113.021	2636.702	6623586.400	4714237.700	666877.350	787129.590	13855.154
σ		130.920	1.504	22.768	132.840	23552.253	27492.788	6180.894	6595.250	146.943
%RSD		1.578	14.197	20.145	5.038	0.356	0.583	0.927	0.838	1.061
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:00:45	530271.630	810.961	40836.408	136710.400	846057.940	53986.190	891965.590	70030.605	79.688
2	02:01:53	532171.610	967.220	40501.081	136546.340	841987.060	53434.121	884095.120	69641.209	75.000
3	02:03:01	535647.980	881.277	41082.424	136865.000	850245.940	54644.938	894571.180	68493.492	81.250
x		532697.070	886.486	40806.638	136707.250	846096.980	54021.750	890210.630	69388.435	78.646
σ		2726.421	78.260	291.813	159.350	4129.579	606.191	5454.070	799.124	3.253
%RSD		0.512	8.828	0.715	0.117	0.488	1.122	0.613	1.152	4.136
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:00:45	17276.065	726.581	5763.663	3581.699	2153.287	62726.472	5930.918	131.251	146.876
2	02:01:53	17568.609	668.766	5622.981	3728.612	2075.151	63409.164	6093.487	103.125	156.251
3	02:03:01	17449.713	700.017	5563.583	3661.407	1981.387	62939.908	5838.693	120.313	140.626
x		17431.462	698.455	5650.076	3657.239	2069.942	63025.181	5954.366	118.230	147.917
σ		147.123	28.939	102.755	73.545	86.068	349.243	129.005	14.178	7.864
%RSD		0.844	4.143	1.819	2.011	4.158	0.554	2.167	11.992	5.317
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:00:45	514.072	221.877	1392.255	369.796	39.063	39.063	243.752	22.917	18.750
2	02:01:53	432.819	264.065	1487.577	327.087	46.875	46.875	235.939	17.188	13.021
3	02:03:01	528.135	289.065	1436.010	354.692	57.813	57.813	216.668	18.229	17.188
x		491.675	258.336	1438.614	350.525	47.917	47.917	232.120	19.444	16.319
σ		51.454	33.959	47.714	21.657	9.418	9.418	13.940	3.052	2.962
%RSD		10.465	13.145	3.317	6.179	19.656	19.656	6.006	15.695	18.148
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:00:45	53.125	57.813	67.188	42.188	70.313	1.563	179544.660	109.375	28.125
2	02:01:53	42.188	59.375	53.125	20.313	82.813	3.125	179620.610	115.625	54.688
3	02:03:01	32.813	45.313	73.438	31.250	65.625	0.000	177486.370	89.063	40.625
x		42.708	54.167	64.583	31.250	72.917	1.563	178883.880	104.688	41.146
σ		10.166	7.708	10.404	10.938	8.885	1.563	1210.876	13.888	13.289
%RSD		23.804	14.229	16.109	35.000	12.185	100.000	0.677	13.266	32.297
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:00:45	3.125	3.125	32.813	10.938	123.438	154.688	48317.510	86449.849	452392.020
2	02:01:53	3.125	3.125	25.000	10.938	112.500	192.189	47988.278	87226.423	452311.410
3	02:03:01	0.000	0.000	35.938	14.063	112.500	175.001	49070.069	86800.402	443529.910
x		2.083	2.083	31.250	11.979	116.146	173.959	48458.619	86825.558	449411.110
σ		1.804	1.804	5.634	1.804	6.315	18.772	554.528	388.898	5093.432
%RSD		86.603	86.603	18.028	15.051	5.437	10.791	1.144	0.448	1.133
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	02:00:45	478506.910	126.563	303.128	368.755	337.504	876.589	460006.030	13115.393	
2	02:01:53	478041.710	101.563	300.003	364.067	343.754	778.146	467670.840	13007.482	
3	02:03:01	467840.320	115.625	251.565	390.630	296.878	848.463	457047.690	13428.183	
x		474796.310	114.584	284.899	374.484	326.045	834.399	461574.850	13183.686	
σ		6028.557	12.533	28.910	14.178	25.452	50.706	5482.585	218.507	
%RSD		1.270	10.938	10.148	3.786	7.806	6.077	1.188	1.657	

C4463-15 MH3B96 11/18/2011 02:07:31 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:08:39	8166.396	10.938	128.126	1673.536	8785574.700	4735316.100	665953.090	791143.070	13661.216
2	02:09:47	8368.075	15.104	98.438	1786.049	8731675.500	4720005.500	664902.700	787018.070	13981.839
3	02:10:55	8316.483	11.979	118.750	1714.165	8727221.600	4727119.700	665473.700	784734.970	13961.506
x		8283.651	12.674	115.105	1724.583	8748157.300	4727480.500	665443.160	787632.040	13868.187
σ		104.771	2.168	15.176	56.976	32480.880	7661.680	525.863	3247.865	179.530
%RSD		1.265	17.110	13.184	3.304	0.371	0.162	0.079	0.412	1.295
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:08:39	522693.630	896.903	43765.374	133981.600	852370.210	54317.129	897998.360	68057.039	57.813
2	02:09:47	521893.280	1040.663	43260.716	133022.710	848897.300	53283.560	878743.670	66857.645	75.000
3	02:10:55	517082.370	1004.723	43632.155	134981.580	845228.110	52806.794	875632.990	68567.283	48.438
x		520556.430	980.763	43552.748	133995.300	848831.870	53469.161	884125.010	67827.322	60.417
σ		3035.120	74.815	261.532	979.507	3571.502	772.084	12114.931	877.663	13.471
%RSD		0.583	7.628	0.600	0.731	0.421	1.444	1.370	1.294	22.297
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:08:39	17327.690	664.078	5491.680	83402.123	12699.392	1443474.100	38956.168	139.063	229.689
2	02:09:47	17501.339	734.394	5557.331	81888.718	12724.414	1417994.100	38935.800	167.188	220.314
3	02:10:55	17280.758	648.452	5466.671	81770.859	12832.323	1424964.100	38880.964	129.688	196.876
x		17369.929	682.308	5505.227	82353.900	12752.043	1428810.800	38924.311	145.313	215.627
σ		116.198	45.779	46.824	909.699	70.641	13168.358	38.896	19.516	16.901
%RSD		0.669	6.709	0.851	1.105	0.554	0.922	0.100	13.430	7.838
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:08:39	550.011	271.878	2979.998	373.963	62.500	62.500	221.356	14.063	18.229
2	02:09:47	489.071	210.939	2978.436	386.984	51.563	51.563	236.981	19.792	15.104
3	02:10:55	523.447	259.377	2822.154	378.130	75.000	75.000	235.939	14.583	16.667
x		520.843	247.398	2926.863	379.693	63.021	63.021	231.425	16.146	16.667
σ		30.553	32.187	90.684	6.650	11.727	11.727	8.736	3.168	1.563
%RSD		5.866	13.010	3.098	1.751	18.609	18.609	3.775	19.622	9.375
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:08:39	18.750	39.063	32.813	28.125	43.750	1.563	175478.980	104.688	18.750
2	02:09:47	23.438	26.563	40.625	10.938	32.813	3.125	177986.280	96.875	26.563
3	02:10:55	21.875	46.875	39.063	12.500	35.938	0.000	176478.690	82.813	17.188
x		21.354	37.500	37.500	17.188	37.500	1.563	176647.980	94.792	20.833
σ		2.387	10.246	4.134	9.504	5.634	1.563	1262.192	11.085	5.023
%RSD		11.177	27.323	11.024	55.298	15.023	100.000	0.715	11.694	24.109
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:08:39	0.000	0.000	10.938	12.500	60.938	96.875	25300.509	46187.043	441631.820
2	02:09:47	3.125	3.125	12.500	3.125	67.188	126.563	25582.260	45792.024	445993.930
3	02:10:55	0.000	0.000	14.063	3.125	84.375	107.813	25871.844	45959.749	444643.420
x		1.042	1.042	12.500	6.250	70.834	110.417	25584.871	45979.606	444089.720
σ		1.804	1.804	1.563	5.413	12.137	15.014	285.676	198.256	2233.146
%RSD		173.205	173.205	12.500	86.603	17.134	13.598	1.117	0.431	0.503
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	02:08:39	466447.430	75.000	146.876	371.880	357.817	784.397	454201.220	11235.667	
2	02:09:47	470996.200	62.500	143.751	401.568	273.440	860.963	456557.380	11263.814	
3	02:10:55	471598.400	71.875	137.501	326.566	315.628	854.713	459935.050	11288.834	
x		469680.680	69.792	142.709	366.671	315.629	833.358	456897.880	11262.771	
σ		2816.221	6.505	4.774	37.771	42.188	42.517	2882.041	26.599	
%RSD		0.600	9.321	3.345	10.301	13.366	5.102	0.631	0.236	

Reviewed By:aswak
On:11/22/2011 1:16:48 PM
Inst Id: P6

C4463-16 MH3B97 11/18/2011 02:15:26 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:16:34	8152.326	13.021	107.813	2023.581	4535403.900	4199669.500	590378.740	697119.650	13997.479
2	02:17:42	8289.905	13.542	114.063	2059.523	4573916.000	4231897.800	594207.690	703656.870	13565.813
3	02:18:50	8457.190	8.333	112.500	1968.886	4584986.900	4260761.900	592703.340	706273.560	13689.368
x		8299.807	11.632	111.459	2017.330	4564768.900	4230776.400	592429.920	702350.030	13750.887
σ		152.673	2.869	3.253	45.641	26026.303	30561.672	1929.061	4714.802	222.311
%RSD		1.839	24.661	2.918	2.262	0.570	0.722	0.326	0.671	1.617

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:16:34	522525.140	970.345	37843.809	131716.940	806072.030	48714.166	809515.000	68750.975	82.813
2	02:17:42	524877.820	964.095	37842.242	132644.210	808826.010	49226.857	808674.010	68287.824	64.063
3	02:18:50	522314.510	921.905	38152.441	133218.270	811737.510	48221.875	812243.200	68495.062	90.625
x		523239.160	952.115	37946.164	132526.470	808878.520	48720.966	810144.070	68511.287	79.167
σ		1423.025	26.349	178.643	757.556	2833.107	502.525	1865.896	232.001	13.651
%RSD		0.272	2.767	0.471	0.572	0.350	1.031	0.230	0.339	17.244

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:16:34	15464.616	703.142	5177.501	4739.849	1679.786	84433.153	6029.397	57.813	126.563
2	02:17:42	15564.725	664.078	4857.076	4941.480	1700.101	82423.028	6051.281	78.125	150.001
3	02:18:50	15353.559	668.766	4964.925	4803.933	1670.410	84071.656	6057.534	50.000	150.001
x		15460.966	678.662	4999.834	4828.420	1683.433	83642.612	6046.071	61.979	142.188
σ		105.630	21.330	163.040	103.022	15.178	1071.545	14.774	14.518	13.532
%RSD		0.683	3.143	3.261	2.134	0.902	1.281	0.244	23.424	9.517

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:16:34	489.071	243.752	5197.820	393.755	59.375	59.375	226.564	22.917	11.458
2	02:17:42	434.382	228.127	5036.825	369.276	67.188	67.188	220.835	19.792	16.146
3	02:18:50	500.009	251.565	5132.172	405.735	34.375	34.375	241.669	15.625	21.875
x		474.487	241.148	5122.273	389.589	53.646	53.646	229.689	19.444	16.493
σ		35.160	11.934	80.953	18.583	17.140	17.140	10.763	3.658	5.217
%RSD		7.410	4.949	1.580	4.770	31.950	31.950	4.686	18.814	31.632

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:16:34	32.813	45.313	32.813	45.313	62.500	1.563	178663.400	87.500	7.813
2	02:17:42	25.000	40.625	29.688	34.375	62.500	0.000	179655.420	121.876	14.063
3	02:18:50	37.500	34.375	56.250	21.875	57.813	0.000	180745.600	103.125	4.688
x		31.771	40.104	39.583	33.854	60.938	0.521	179688.140	104.167	8.854
σ		6.315	5.487	14.518	11.727	2.706	0.902	1041.484	17.211	4.774
%RSD		19.876	13.683	36.677	34.641	4.441	173.205	0.580	16.523	53.913

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:16:34	0.000	0.000	6.250	3.125	46.875	118.750	71522.344	127972.200	446385.570
2	02:17:42	0.000	0.000	6.250	9.375	53.125	93.750	72189.750	128237.060	450587.890
3	02:18:50	1.563	1.563	7.813	4.688	53.125	109.375	72437.877	128949.680	449594.830
x		0.521	0.521	6.771	5.729	51.042	107.292	72049.990	128386.310	448856.100
σ		0.902	0.902	0.902	3.253	3.608	12.630	473.498	505.544	2196.400
%RSD		173.205	173.205	13.323	56.773	7.070	11.771	0.657	0.394	0.489

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:16:34	470300.400	54.688	117.188	717.206	618.763	1553.209	460678.760	16745.746
2	02:17:42	474076.880	46.875	129.688	685.954	579.699	1539.145	463402.250	16895.923
3	02:18:50	478949.500	34.375	121.876	653.140	625.014	1623.530	462345.380	16867.765
x		474442.260	45.313	122.917	685.433	607.825	1571.962	462142.130	16836.478
σ		4336.111	10.246	6.315	32.036	24.558	45.210	1373.076	79.827
%RSD		0.914	22.612	5.137	4.674	4.040	2.876	0.297	0.474

C4463-18 MH3B99 11/18/2011 02:23:21 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:24:29	8399.344	13.542	96.875	1604.778	4666995.800	4292240.300	596345.630	703578.130	14604.336
2	02:25:37	8557.250	9.375	93.750	1625.092	4659592.300	4282083.200	600102.840	710774.700	14770.132
3	02:26:45	8400.907	11.458	114.063	1528.207	4658658.300	4316700.900	601847.420	716080.040	14782.644
x		8452.500	11.458	101.563	1586.026	4661748.800	4297008.100	599431.960	710144.290	14719.037
σ		90.719	2.083	10.938	51.092	4567.995	17794.505	2811.582	6274.753	99.531
%RSD		1.073	18.182	10.769	3.221	0.098	0.414	0.469	0.884	0.676

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:24:29	530813.060	965.658	38553.515	132577.980	813557.070	49157.870	817261.350	68967.640	90.625
2	02:25:37	532930.370	1059.414	38761.891	133842.810	817682.920	49698.799	822739.310	69185.879	73.438
3	02:26:45	535939.880	940.656	38765.024	134407.450	823333.030	50467.110	822823.660	68391.443	78.125
x		533227.770	988.576	38693.477	133609.410	818191.010	49774.593	820941.440	68848.321	80.729
σ		2576.312	62.608	121.220	936.804	4907.746	657.903	3187.329	410.439	8.885
%RSD		0.483	6.333	0.313	0.701	0.600	1.322	0.388	0.596	11.006

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:24:29	14668.464	645.327	4675.765	5344.750	1701.664	88569.021	6082.545	71.875	132.813
2	02:25:37	14843.645	635.952	4702.336	5091.532	1593.839	88790.703	6195.093	76.563	139.063
3	02:26:45	14354.083	662.515	4605.430	5169.685	1720.416	87951.158	6387.365	75.000	132.813
x		14622.064	647.931	4661.177	5201.989	1671.973	88436.961	6221.668	74.479	134.896
σ		248.058	13.472	50.073	129.663	68.313	435.073	154.138	2.387	3.608
%RSD		1.696	2.079	1.074	2.493	4.086	0.492	2.477	3.205	2.675

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:24:29	478.133	250.002	5449.477	418.235	56.250	56.250	234.377	21.875	20.833
2	02:25:37	476.570	217.189	5593.282	423.965	54.688	54.688	239.065	13.021	16.667
3	02:26:45	470.320	270.315	5638.613	398.964	42.188	42.188	257.294	17.188	13.542
x		475.008	245.835	5560.457	413.721	51.042	51.042	243.578	17.361	17.014
σ		4.134	26.807	98.748	13.097	7.708	7.708	12.107	4.430	3.658
%RSD		0.870	10.904	1.776	3.166	15.101	15.101	4.970	25.515	21.501

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:24:29	29.688	26.563	60.938	18.750	76.563	1.563	181008.270	93.750	7.813
2	02:25:37	37.500	32.813	39.063	28.125	59.375	1.563	179476.630	90.625	14.063
3	02:26:45	31.250	23.438	59.375	28.125	54.688	1.563	180731.360	89.063	6.250
x		32.813	27.604	53.125	25.000	63.542	1.563	180405.420	91.146	9.375
σ		4.134	4.774	12.204	5.413	11.517	0.000	816.187	2.387	4.134
%RSD		12.599	17.293	22.971	21.651	18.126	0.000	0.452	2.619	44.096

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:24:29	3.125	3.125	4.688	7.813	46.875	75.000	72535.244	129813.700	455102.670
2	02:25:37	1.563	1.563	3.125	3.125	56.250	85.938	72761.390	129053.740	453272.410
3	02:26:45	0.000	0.000	6.250	4.688	50.000	81.250	74060.226	130745.580	452867.680
x		1.563	1.563	4.688	5.208	51.042	80.729	73118.953	129871.010	453747.590
σ		1.563	1.563	1.563	2.387	4.774	5.487	822.971	847.376	1190.860
%RSD		100.000	100.000	33.333	45.826	9.352	6.797	1.126	0.652	0.262

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:24:29	474537.100	45.313	90.625	701.580	573.449	1390.693	465506.530	17221.311
2	02:25:37	474721.190	37.500	92.188	656.265	579.699	1503.204	464791.620	17179.073
3	02:26:45	480253.120	31.250	87.500	662.515	546.885	1539.145	466245.690	17208.796
x		476503.810	38.021	90.104	673.453	566.678	1477.681	465514.610	17203.060
σ		3248.308	7.046	2.387	24.558	17.423	77.448	727.065	21.696
%RSD		0.682	18.531	2.649	3.647	3.075	5.241	0.156	0.126

C4463-14X25 MH3B95 11/18/2011 02:31:17 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:32:25	8468.134	9.896	12.500	412.506	507342.310	200688.890	27269.753	32156.463	13645.576
2	02:33:33	8647.929	9.375	14.063	375.005	507890.990	198361.410	27202.437	32306.802	13503.254
3	02:34:41	8480.641	9.375	17.188	415.631	505999.030	198922.250	27182.086	32090.690	13628.373
x		8532.235	9.549	14.583	401.047	507077.450	199324.180	27218.092	32184.652	13592.401
σ		100.389	0.301	2.387	22.607	973.391	1214.683	45.882	110.779	77.681
%RSD		1.177	3.149	16.366	5.637	0.192	0.609	0.169	0.344	0.572

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:32:25	22389.406	793.772	18493.212	136275.020	229988.090	2334.566	37876.709	69479.487	40.625
2	02:33:33	22173.445	725.018	18752.925	137833.620	229343.470	2189.230	37262.597	70217.457	25.000
3	02:34:41	22323.679	818.773	18882.784	137483.390	228683.010	2161.101	37488.186	70798.439	29.688
x		22295.510	779.188	18709.641	137197.340	229338.190	2228.299	37542.497	70165.127	31.771
σ		110.702	48.549	198.360	817.724	652.554	93.098	310.637	661.031	8.018
%RSD		0.497	6.231	1.060	0.596	0.285	4.178	0.827	0.942	25.237

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:32:25	13379.700	575.012	4478.827	3089.397	371.880	46906.569	1917.316	42.188	62.500
2	02:33:33	13279.607	531.260	4497.583	3145.659	346.879	46588.343	1934.506	54.688	59.375
3	02:34:41	13226.433	579.699	4524.154	3036.260	395.318	47480.335	2065.774	39.063	50.000
x		13295.246	561.990	4500.188	3090.439	371.359	46991.749	1972.532	45.313	57.292
σ		77.822	26.716	22.775	54.707	24.224	452.055	81.206	8.268	6.505
%RSD		0.585	4.754	0.506	1.770	6.523	0.962	4.117	18.247	11.355

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:32:25	151.563	54.688	109.375	165.105	51.563	51.563	240.106	19.792	18.229
2	02:33:33	195.314	46.875	121.876	176.564	29.688	29.688	244.273	16.146	19.271
3	02:34:41	160.938	54.688	106.250	185.939	67.188	67.188	244.794	19.792	19.792
x		169.272	52.083	112.500	175.869	49.479	49.479	243.058	18.576	19.097
σ		23.035	4.511	8.268	10.434	18.837	18.837	2.569	2.105	0.796
%RSD		13.608	8.660	7.349	5.933	38.070	38.070	1.057	11.331	4.166

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:32:25	14.063	12.500	6.250	3.125	10.938	0.000	188244.640	107.813	1.563
2	02:33:33	10.938	10.938	10.938	0.000	12.500	1.563	187380.270	110.938	3.125
3	02:34:41	14.063	9.375	10.938	1.563	9.375	3.125	190211.060	117.188	4.688
x		13.021	10.938	9.375	1.563	10.938	1.563	188611.990	111.980	3.125
σ		1.804	1.563	2.706	1.563	1.563	1.563	1450.708	4.774	1.563
%RSD		13.856	14.286	28.868	100.000	14.286	100.000	0.769	4.263	50.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:32:25	3.125	3.125	3.125	3.125	54.688	62.500	2051.710	3442.602	461377.330
2	02:33:33	0.000	0.000	6.250	0.000	14.063	43.750	1932.943	3530.124	465784.110
3	02:34:41	0.000	0.000	6.250	3.125	34.375	40.625	1893.876	3508.243	461425.730
x		1.042	1.042	5.208	2.083	34.375	48.958	1959.510	3493.656	462862.390
σ		1.804	1.804	1.804	1.804	20.313	11.831	82.202	45.548	2530.401
%RSD		173.205	173.205	34.641	86.603	59.091	24.166	4.195	1.304	0.547

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:32:25	484681.800	48.438	104.688	46.875	57.813	123.438	479361.410	503.134
2	02:33:33	490429.300	32.813	106.250	54.688	40.625	115.625	478497.210	573.449
3	02:34:41	486380.270	34.375	89.063	51.563	62.500	118.750	474845.540	515.634
x		487163.790	38.542	100.000	51.042	53.646	119.271	477568.050	530.739
σ		2952.770	8.606	9.504	3.932	11.517	3.932	2397.035	37.512
%RSD		0.606	22.328	9.504	7.704	21.469	3.297	0.502	7.068

Reviewed By:Jaswal, On:11/22/2011 1:16:48 PM
Instid:P6

C4463-15X25 MH3B96 11/18/2011 02:39:12 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:40:20	8394.653	11.458	9.375	339.067	599617.460	201660.240	27294.800	32183.085	13740.980
2	02:41:29	8255.510	10.938	3.125	318.754	597477.410	201899.520	27899.091	32762.525	13781.644
3	02:42:37	8779.259	11.979	9.375	343.754	598905.700	202433.560	27689.308	32648.202	13795.721
x		8476.474	11.458	7.292	333.858	598666.860	201997.770	27627.733	32531.271	13772.782
σ		271.292	0.521	3.608	13.289	1089.834	395.913	306.815	306.908	28.426
%RSD		3.201	4.545	49.487	3.980	0.182	0.196	1.111	0.943	0.206

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:40:20	21641.380	756.270	18849.928	137189.970	230554.930	2236.113	36847.460	69303.636	43.750
2	02:41:29	21910.540	781.271	19092.437	136688.320	231256.760	2232.987	36729.970	69699.303	23.438
3	02:42:37	21729.013	781.271	18986.046	137461.300	230847.090	2201.732	36935.186	69520.309	59.375
x		21760.311	772.938	18976.137	137113.200	230886.260	2223.611	36837.538	69507.749	42.188
σ		137.282	14.435	121.558	392.171	352.552	19.012	102.967	198.133	18.020
%RSD		0.631	1.867	0.641	0.286	0.153	0.855	0.280	0.285	42.713

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:40:20	12699.392	553.136	4188.114	6352.975	729.706	102699.080	3509.806	48.438	60.938
2	02:41:29	12984.023	546.885	4283.455	6413.940	775.021	103651.230	3320.698	32.813	62.500
3	02:42:37	12569.590	500.009	4219.373	6290.447	789.084	102906.810	3265.998	26.563	67.188
x		12751.002	533.343	4230.314	6352.454	764.604	103085.710	3365.501	35.938	63.542
σ		211.982	29.037	48.603	61.748	31.030	500.650	127.930	11.267	3.253
%RSD		1.662	5.444	1.149	0.972	4.058	0.486	3.801	31.353	5.119

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:40:20	153.126	65.625	175.001	171.355	54.688	54.688	232.814	11.979	12.500
2	02:41:29	153.126	73.438	190.626	161.980	46.875	46.875	243.231	11.979	19.792
3	02:42:37	146.876	75.000	215.627	181.772	53.125	53.125	243.231	19.271	14.583
x		151.042	71.354	193.751	171.702	51.563	51.563	239.759	14.410	15.625
σ		3.608	5.023	20.492	9.901	4.134	4.134	6.014	4.210	3.756
%RSD		2.389	7.039	10.577	5.766	8.017	8.017	2.508	29.215	24.037

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:40:20	18.750	10.938	10.938	10.938	10.938	3.125	186685.320	106.250	9.375
2	02:41:29	7.813	7.813	3.125	3.125	14.063	0.000	186275.330	120.313	4.688
3	02:42:37	4.688	3.125	9.375	4.688	10.938	1.563	185928.670	95.313	1.563
x		10.417	7.292	7.813	6.250	11.979	1.563	186296.440	107.292	5.208
σ		7.384	3.932	4.134	4.134	1.804	1.563	378.765	12.533	3.932
%RSD		70.887	53.927	52.915	66.144	15.061	100.000	0.203	11.681	75.498

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:40:20	0.000	0.000	12.500	1.563	37.500	46.875	1035.975	1820.429	459110.720
2	02:41:29	3.125	3.125	4.688	0.000	42.188	34.375	1115.669	1897.001	459872.130
3	02:42:37	0.000	0.000	1.563	1.563	35.938	42.188	1062.540	1928.255	455280.070
x		1.042	1.042	6.250	1.042	38.542	41.146	1071.394	1881.895	458087.640
σ		1.804	1.804	5.634	0.902	3.253	6.315	40.578	55.478	2461.053
%RSD		173.205	173.205	90.139	86.603	8.439	15.347	3.787	2.948	0.537

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:40:20	483728.410	46.875	76.563	48.438	35.938	109.375	476449.190	425.006
2	02:41:29	481130.350	35.938	109.375	67.188	32.813	110.938	476565.480	476.570
3	02:42:37	483390.700	35.938	100.000	48.438	60.938	120.313	474149.550	404.693
x		482749.820	39.583	95.313	54.688	43.229	113.542	475721.400	435.423
σ		1412.632	6.315	16.901	10.825	15.415	5.916	1362.509	37.054
%RSD		0.293	15.953	17.732	19.795	35.659	5.210	0.286	8.510

Reviewed By/Initial
Date 11/22/2011 1:48:48 PM
Print Id: PG

C4463-16X25 MH3B97 11/18/2011 02:47:09 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:48:17	8483.768	10.417	17.188	345.317	422223.690	179057.350	24571.113	28349.977	14222.701
2	02:49:25	8444.683	15.625	9.375	337.504	423377.400	177892.940	24195.472	28799.312	14183.600
3	02:50:33	8269.580	16.146	10.938	351.567	425247.350	180036.730	24143.823	28805.575	14088.193
x		8399.344	14.063	12.500	344.796	423616.150	178995.680	24303.469	28651.622	14164.832
σ		114.065	3.168	4.134	7.046	1525.907	1073.227	233.220	261.250	69.190
%RSD		1.358	22.529	33.072	2.043	0.360	0.600	0.960	0.912	0.488

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:48:17	21694.585	818.773	18594.907	135259.180	228459.160	2023.581	33468.847	69813.924	54.688
2	02:49:25	21431.689	757.833	18741.974	136830.290	228941.790	2029.832	33672.450	68491.922	32.813
3	02:50:33	22038.862	837.525	18167.795	136988.040	229594.330	2065.774	33580.045	69184.309	37.500
x		21721.712	804.710	18501.558	136359.170	228998.430	2039.729	33573.781	69163.385	41.667
σ		304.494	41.666	298.254	955.877	569.700	22.771	101.946	661.249	11.517
%RSD		1.402	5.178	1.612	0.701	0.249	1.116	0.304	0.956	27.642

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:48:17	11879.938	518.759	3847.393	3048.763	364.067	47870.697	2061.086	35.938	54.688
2	02:49:25	11936.234	510.947	4053.700	3169.102	392.193	47439.575	2062.649	43.750	60.938
3	02:50:33	11842.406	567.199	3734.863	3051.889	354.692	47386.273	1898.564	39.063	51.563
x		11886.193	532.302	3878.652	3089.918	370.317	47565.515	2007.433	39.583	55.729
σ		47.226	30.473	161.701	68.593	19.516	265.636	94.287	3.932	4.774
%RSD		0.397	5.725	4.169	2.220	5.270	0.558	4.697	9.934	8.566

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:48:17	187.501	54.688	271.878	182.293	39.063	39.063	239.585	13.021	11.458
2	02:49:25	150.001	60.938	307.816	156.251	43.750	43.750	242.710	21.354	18.750
3	02:50:33	164.063	73.438	279.690	178.647	45.313	45.313	243.752	15.625	15.625
x		167.188	63.021	286.461	172.397	42.708	42.708	242.016	16.667	15.278
σ		18.945	9.547	18.902	14.101	3.253	3.253	2.168	4.263	3.658
%RSD		11.331	15.149	6.598	8.179	7.616	7.616	0.896	25.579	23.945

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:48:17	12.500	9.375	9.375	3.125	18.750	1.563	185274.950	96.875	12.500
2	02:49:25	21.875	4.688	7.813	6.250	6.250	0.000	185971.410	103.125	4.688
3	02:50:33	12.500	7.813	7.813	6.250	18.750	1.563	185217.970	75.000	10.938
x		15.625	7.292	8.333	5.208	14.583	1.042	185488.110	91.667	9.375
σ		5.413	2.387	0.902	1.804	7.217	0.902	419.520	14.768	4.134
%RSD		34.641	32.733	10.825	34.641	49.487	86.603	0.226	16.111	44.096

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:48:17	0.000	0.000	6.250	3.125	29.688	40.625	2898.732	5185.316	462685.830
2	02:49:25	1.563	1.563	3.125	3.125	37.500	42.188	2883.103	5077.465	457021.880
3	02:50:33	1.563	1.563	0.000	4.688	26.563	34.375	2969.059	5257.217	458317.090
x		1.042	1.042	3.125	3.646	31.250	39.063	2916.965	5173.333	459341.600
σ		0.902	0.902	3.125	0.902	5.634	4.134	45.786	90.473	2967.710
%RSD		86.603	86.603	100.000	24.744	18.028	10.583	1.570	1.749	0.646

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:48:17	487028.360	32.813	92.188	75.000	96.875	175.001	475300.940	735.956
2	02:49:25	483873.840	56.250	129.688	73.438	90.625	181.251	475512.490	737.519
3	02:50:33	485084.180	51.563	81.250	82.813	75.000	167.188	478812.200	703.142
x		485328.790	46.875	101.042	77.084	87.500	174.480	476541.880	725.539
σ		1591.425	12.402	25.404	5.023	11.267	7.046	1968.998	19.412
%RSD		0.328	26.458	25.142	6.516	12.877	4.038	0.413	2.676

Reviewed By:jaswal
on 11/22/2011 1:16:48 PM
Test ID: P6

C4463-18X25 MH3B99 11/18/2011 02:55:06 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:56:14	8207.044	10.417	9.375	320.316	425858.920	178543.160	24334.771	28666.233	13945.866
2	02:57:21	8325.863	8.333	29.688	257.815	426085.850	178432.420	24267.469	28561.335	14024.068
3	02:58:30	8636.985	12.500	14.063	326.566	424320.390	177217.430	23884.011	28108.877	13942.738
x		8389.964	10.417	17.708	301.566	425421.720	178064.340	24162.084	28445.481	13970.891
σ		222.023	2.083	10.636	38.018	960.505	735.528	243.158	296.189	46.079
%RSD		2.646	20.000	60.061	12.607	0.226	0.413	1.006	1.041	0.330

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:56:14	21306.502	753.145	18425.938	135912.210	228224.200	1997.015	33343.555	69156.048	45.313
2	02:57:21	21963.746	779.709	18648.101	136420.150	229127.550	2093.903	33716.303	67443.201	40.625
3	02:58:30	21544.358	809.398	18967.271	135871.200	228346.440	2017.330	33332.592	69504.608	43.750
x		21604.869	780.751	18680.436	136067.850	228566.060	2036.083	33464.150	68701.286	43.229
σ		332.774	28.141	272.111	305.782	490.088	51.094	218.440	1103.384	2.387
%RSD		1.540	3.604	1.457	0.225	0.214	2.509	0.653	1.606	5.521

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:56:14	11188.755	517.197	3794.254	3037.823	412.506	47836.207	1932.943	45.313	48.438
2	02:57:21	11155.917	584.387	3703.605	3205.047	395.318	47251.453	1920.442	40.625	62.500
3	02:58:30	11119.951	521.885	3667.658	3112.839	350.004	47270.265	1870.435	39.063	56.250
x		11154.874	541.156	3721.839	3118.570	385.943	47452.642	1907.940	41.667	55.729
σ		34.414	37.512	65.238	83.759	32.288	332.310	33.076	3.253	7.046
%RSD		0.309	6.932	1.753	2.686	8.366	0.700	1.734	7.806	12.643

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:56:14	148.438	57.813	275.003	157.813	53.125	53.125	227.606	13.542	13.542
2	02:57:21	150.001	56.250	271.878	171.355	56.250	56.250	219.793	17.708	18.750
3	02:58:30	168.751	50.000	276.565	154.168	46.875	46.875	234.377	15.104	15.104
x		155.730	54.688	274.482	161.112	52.083	52.083	227.259	15.451	15.799
σ		11.304	4.134	2.387	9.056	4.774	4.774	7.298	2.105	2.673
%RSD		7.258	7.559	0.870	5.621	9.165	9.165	3.211	13.623	16.917

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:56:14	31.250	6.250	9.375	6.250	9.375	1.563	185900.180	75.000	9.375
2	02:57:21	12.500	9.375	9.375	10.938	17.188	1.563	185077.100	101.563	4.688
3	02:58:30	4.688	6.250	4.688	4.688	9.375	0.000	189389.310	106.250	3.125
x		16.146	7.292	7.813	7.292	11.979	1.042	186788.860	94.271	5.729
σ		13.651	1.804	2.706	3.253	4.511	0.902	2289.349	16.853	3.253
%RSD		84.551	24.744	34.641	44.607	37.653	86.603	1.226	17.877	56.773

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:56:14	1.563	1.563	6.250	6.250	32.813	42.188	2981.561	5302.546	460031.840
2	02:57:21	0.000	0.000	7.813	1.563	23.438	29.688	2936.239	5249.402	459426.900
3	02:58:30	0.000	0.000	10.938	10.938	21.875	10.938	2872.164	5135.298	462668.080
x		0.521	0.521	8.333	6.250	26.042	27.604	2929.988	5229.082	460708.940
σ		0.902	0.902	2.387	4.688	5.916	15.729	54.966	85.456	1723.419
%RSD		173.205	173.205	28.641	75.000	22.716	56.980	1.876	1.634	0.374

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:56:14	483978.870	42.188	96.875	59.375	76.563	159.376	476042.210	689.079
2	02:57:21	481413.080	23.438	89.063	64.063	40.625	150.001	477033.850	767.208
3	02:58:30	488324.630	31.250	109.375	68.750	70.313	193.751	483232.350	676.579
x		484572.190	32.292	98.438	64.063	62.500	167.709	478769.470	710.955
σ		3493.770	9.418	10.246	4.688	19.200	23.035	3896.645	49.116
%RSD		0.721	29.166	10.409	7.317	30.721	13.735	0.814	6.908

Reviewed By/Reviewed On 11/22/2011 1:16:48 PM

C4463-05 MH3B88 11/18/2011 03:03:02 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:04:10	8372.765	72.917	1082.853	920.342	173994540.000	30713064.000	4196113.400	4928259.600	4068675.400
2	03:05:19	8011.621	67.708	1126.607	878.152	177684370.000	31580584.000	4361787.400	5080002.600	4200315.900
3	03:06:27	8158.579	67.708	1034.412	1014.099	179482900.000	31930007.000	4344177.900	5095880.300	4240023.700
x		8180.988	69.445	1081.291	937.531	177053940.000	31407885.000	4300692.900	5034714.200	4169671.700
σ		181.612	3.007	46.117	69.584	2797963.400	626582.700	90995.517	92533.579	89690.355
%RSD		2.220	4.330	4.265	7.422	1.580	1.995	2.116	1.838	2.151

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:04:10	1815493.200	37807.776	27576.591	541464.330	8722533.300	200102.630	3307544.400	70630.422	16329.640
2	03:05:19	1873197.900	38558.216	27762.889	557234.970	8958921.200	205909.270	3396090.800	71013.565	16884.973
3	03:06:27	1875358.900	39266.391	28097.918	567333.520	9106269.800	205654.070	3392643.900	72211.736	17172.815
x		1854683.400	38544.128	27812.466	555344.270	8929241.400	203888.660	3365426.400	71285.241	16795.809
σ		33956.847	729.409	264.176	13037.824	193582.280	3281.280	50156.830	824.921	428.601
%RSD		1.831	1.892	0.950	2.348	2.168	1.609	1.490	1.157	2.552

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:04:10	60050.364	46809.376	16647.194	2818018.500	11171895.000	48640142.000	1247865.500	25680.875	8236.749
2	03:05:19	62991.698	47919.297	17998.831	2893076.300	11408779.000	50108641.000	1281844.700	26879.952	8466.571
3	03:06:27	64868.820	47952.220	17989.445	2921727.300	11524444.000	50358172.000	1292223.300	26756.283	8638.549
x		62640.294	47560.298	17545.157	2877607.400	11368372.000	49702318.000	1273977.800	26439.037	8447.289
σ		2423.412	650.525	777.673	53556.890	179714.350	928294.510	23201.740	659.493	201.593
%RSD		3.869	1.368	4.432	1.861	1.581	1.868	1.821	2.494	2.386

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:04:10	72916.867	35364.030	16473.555	5834.004	242.190	242.190	237.502	28.646	25.000
2	03:05:19	75070.164	36054.816	16913.131	5979.376	237.502	237.502	247.398	30.729	25.521
3	03:06:27	75312.057	35724.300	17060.181	6009.076	296.878	296.878	258.857	27.604	29.688
x		74433.029	35714.382	16815.622	5940.819	258.857	258.857	247.919	28.993	26.736
σ		1318.594	345.500	305.227	93.689	33.011	33.011	10.687	1.591	2.569
%RSD		1.772	0.967	1.815	1.577	12.753	12.753	4.311	5.488	9.610

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:04:10	6884.471	2504.907	3464.483	1659.471	4013.064	1.563	163859.390	185.939	410.943
2	03:05:19	7067.373	2564.293	3647.341	1578.212	4170.921	1.563	165912.570	223.439	348.442
3	03:06:27	7334.695	2525.223	3813.009	1690.725	4183.425	6.250	169267.210	242.190	364.067
x		7095.513	2531.474	3641.611	1642.803	4122.470	3.125	166346.390	217.189	374.484
σ		226.427	30.182	174.334	58.079	94.955	2.706	2729.885	28.642	32.527
%RSD		3.191	1.192	4.787	3.535	2.303	86.603	1.641	13.187	8.686

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:04:10	45.313	45.313	398.443	145.313	534.385	1067.227	460830.410	817033.220	440284.940
2	03:05:19	67.188	67.188	339.067	154.688	584.387	1106.293	471055.940	838140.790	441892.830
3	03:06:27	70.313	70.313	342.192	125.001	564.074	1160.985	474567.780	855577.090	452495.220
x		60.938	60.938	359.900	141.667	560.949	1111.502	468818.040	835917.030	444891.000
σ		13.622	13.622	33.415	15.176	25.147	47.095	7136.877	19301.052	6634.340
%RSD		22.353	22.353	9.285	10.712	4.483	4.237	1.522	2.306	1.491

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:04:10	466474.860	687.517	1737.606	116668.210	96163.197	240882.630	436064.660	52620.170
2	03:05:19	471278.730	725.018	1670.410	120137.410	99317.480	245887.120	437337.060	53728.973
3	03:06:27	478413.220	685.954	1628.218	120977.270	100324.480	249211.170	440305.880	53236.510
x		472055.610	699.496	1678.745	119260.970	98601.719	245326.970	437902.530	53195.218
σ		6006.975	22.117	55.168	2284.319	2171.015	4192.432	2176.421	555.554
%RSD		1.273	3.162	3.286	1.915	2.202	1.709	0.497	1.044

Reviewed By/Initial
Date 11/22/2011 1:16:48 PM
Inst Id: PE

C4463-05X25 MH3B88 11/18/2011 03:11:00 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:12:08	8707.340	13.542	48.438	329.691	8235757.700	1471872.000	201988.260	238593.120	215292.970
2	03:13:16	8680.762	11.979	78.125	332.816	8220262.400	1477325.400	200527.270	236524.780	212439.790
3	03:14:24	8494.712	16.146	85.938	306.253	8156757.300	1463030.800	200441.710	237913.170	213962.260
x		8627.605	13.889	70.834	322.920	8204259.200	1470742.700	200985.750	237677.020	213898.340
σ		115.853	2.105	19.785	14.518	41860.998	7213.870	869.258	1054.200	1427.662
%RSD		1.343	15.155	27.932	4.496	0.510	0.490	0.432	0.444	0.667

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:12:08	83732.171	2434.582	18583.955	164001.630	620389.300	9106.026	153826.880	74159.175	762.520
2	03:13:16	82132.298	2539.288	18541.713	164311.410	621597.990	9293.647	151724.900	74226.711	737.519
3	03:14:24	82732.622	2465.838	18793.604	164023.760	617034.530	9331.172	152242.860	72734.692	803.148
x		82865.697	2479.903	18639.757	164112.270	619673.940	9243.615	152598.220	73706.859	767.729
σ		808.195	53.751	134.899	172.818	2364.338	120.623	1095.123	842.599	33.123
%RSD		0.975	2.167	0.724	0.105	0.382	1.305	0.718	1.143	4.314

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:12:08	17053.923	2658.060	5490.117	143747.720	535644.740	2387658.800	61532.233	1350.064	537.510
2	03:13:16	16359.362	2811.214	5463.545	142043.300	530354.300	2359870.700	60981.441	1318.811	468.758
3	03:14:24	15685.169	2626.804	5157.181	142164.810	529833.960	2337211.600	61166.605	1256.305	467.195
x		16366.151	2698.693	5370.281	142651.950	531944.330	2361580.400	61226.760	1308.393	491.154
σ		684.403	98.692	185.028	950.914	3215.189	25267.016	280.280	47.740	40.153
%RSD		4.182	3.657	3.445	0.667	0.604	1.070	0.458	3.649	8.175

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:12:08	3992.745	1804.802	876.589	456.257	70.313	70.313	250.002	22.396	15.104
2	03:13:16	3967.738	1743.856	887.528	453.132	68.750	68.750	266.669	21.354	23.958
3	03:14:24	3884.903	1790.737	898.466	448.965	71.875	71.875	243.752	19.271	17.708
x		3948.462	1779.798	887.528	452.785	70.313	70.313	253.474	21.007	18.924
σ		56.446	31.911	10.938	3.658	1.563	1.563	11.847	1.591	4.550
%RSD		1.430	1.793	1.232	0.808	2.222	2.222	4.674	7.575	24.047

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:12:08	328.129	101.563	162.501	79.688	193.751	0.000	193238.790	103.125	29.688
2	03:13:16	273.440	143.751	168.751	110.938	196.876	1.563	195261.320	84.375	28.125
3	03:14:24	317.191	115.625	146.876	70.313	175.001	0.000	194640.440	100.000	18.750
x		306.253	120.313	159.376	86.979	188.543	0.521	194380.180	95.834	25.521
σ		28.939	21.481	11.267	21.272	11.831	0.902	1036.080	10.046	5.916
%RSD		9.449	17.854	7.070	24.456	6.275	173.205	0.533	10.482	23.179

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:12:08	6.250	6.250	29.688	7.813	43.750	76.563	21481.764	37286.095	476927.250
2	03:13:16	1.563	1.563	29.688	7.813	71.875	71.875	21051.437	37243.798	481298.370
3	03:14:24	1.563	1.563	23.438	4.688	46.875	62.500	21120.288	37196.801	481191.740
x		3.125	3.125	27.604	6.771	54.167	70.313	21217.830	37242.231	479805.790
σ		2.706	2.706	3.608	1.804	15.415	7.160	231.152	44.668	2493.454
%RSD		86.603	86.603	13.072	26.647	28.459	10.184	1.089	0.120	0.520

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:12:08	501115.720	75.000	168.751	5310.362	4366.292	11215.338	484958.130	2170.477
2	03:13:16	505117.070	67.188	151.563	5522.942	4308.462	11143.407	489116.670	2240.801
3	03:14:24	506537.950	59.375	181.251	5576.088	4330.344	11085.549	488007.830	2282.995
x		504256.910	67.188	167.188	5469.797	4335.033	11148.098	487360.880	2231.424
σ		2811.589	7.813	14.905	140.609	29.199	65.021	2153.435	56.842
%RSD		0.558	11.628	8.915	2.571	0.674	0.583	0.442	2.547

Reviewed By: [illegible]
Oct 11/22/2011 1:16:48 PM
Inst Id :P0

CCV54 11/18/2011 03:18:55 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:20:03	8374.329	14036.580	2342.380	350.004	13125571.000	10072733.000	1417548.200	1675143.000	2370976.900
2	03:21:12	8508.783	13827.001	2286.120	353.129	13075860.000	10029779.000	1415351.900	1676952.000	2354004.800
3	03:22:20	8188.284	14126.773	2253.303	335.941	13152825.000	10112547.000	1415291.700	1667294.900	2379072.400
x		8357.132	13996.785	2293.934	346.358	13118086.000	10071686.000	1416063.900	1673130.000	2368018.000
σ		160.940	153.797	45.050	9.156	39024.764	41393.591	1285.796	5133.620	12793.039
%RSD		1.926	1.099	1.964	2.643	0.297	0.411	0.091	0.307	0.540

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:20:03	27789.503	143230.060	30631.242	136142.520	8434607.200	39965.200	661473.900	69630.218	20990.410
2	03:21:12	27870.911	143799.810	30855.160	137322.480	8411107.200	40385.128	661869.740	69375.860	20937.207
3	03:22:20	27438.826	143675.120	30526.330	136540.030	8411058.900	39894.690	659519.380	69096.385	21190.705
x		27699.747	143568.330	30670.911	136668.340	8418924.400	40081.673	660954.340	69367.488	21039.440
σ		229.601	299.509	167.966	600.355	13581.682	265.154	1258.371	267.015	133.673
%RSD		0.829	0.209	0.548	0.439	0.161	0.662	0.190	0.385	0.635

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:20:03	332888.540	299861.280	38874.697	1147218.500	871514.090	18641311.000	476295.760	377990.070	82429.314
2	03:21:12	330739.480	301566.930	39335.330	1145965.900	872172.840	18631963.000	477889.880	375282.580	82484.318
3	03:22:20	332434.390	302431.810	39169.250	1144895.900	869425.210	18860361.000	480952.640	377832.870	81469.142
x		332020.800	301286.670	39126.425	1146026.800	871037.380	18711212.000	478379.430	377035.170	82127.591
σ		1132.655	1307.982	233.284	1162.477	1434.505	129252.020	2366.720	1519.826	570.896
%RSD		0.341	0.434	0.596	0.101	0.165	0.691	0.495	0.403	0.695

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:20:03	416815.160	201089.780	148950.620	65284.771	3569.196	3569.196	12109.818	4957.110	23.438
2	03:21:12	420124.060	201489.100	149689.530	65062.929	3808.320	3808.320	11968.032	5061.313	12.500
3	03:22:20	417021.040	203070.630	148751.690	65656.783	3712.983	3712.983	12023.287	5067.565	16.667
x		417986.760	201883.170	149130.610	65334.828	3696.833	3696.833	12033.712	5028.663	17.535
σ		1853.823	1047.574	494.152	300.075	120.377	120.377	71.466	62.045	5.520
%RSD		0.444	0.519	0.331	0.459	3.256	3.256	0.594	1.234	31.481

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:20:03	66320.777	116959.650	126376.840	74515.710	193077.250	4.688	182747.390	7478.520	367549.440
2	03:21:12	66152.813	117687.460	125867.690	74247.130	193186.530	4.688	182408.730	7511.349	370989.800
3	03:22:20	67006.779	117884.390	126890.740	74707.332	193221.370	1.563	182595.470	7536.362	371190.220
x		66493.456	117510.500	126378.420	74490.057	193161.710	3.646	182583.860	7508.744	369909.820
σ		452.414	487.108	511.528	231.171	75.194	1.804	169.629	29.009	2046.603
%RSD		0.680	0.415	0.405	0.310	0.039	49.487	0.093	0.386	0.553

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:20:03	5757.410	5757.410	361839.220	86622.766	240270.890	368221.090	343403.390	608752.840	468306.800
2	03:21:12	5622.981	5622.981	358505.160	86676.214	241248.090	372840.170	341071.960	607973.820	462571.270
3	03:22:20	5801.178	5801.178	361783.140	86767.390	242439.890	371980.700	340787.160	609557.980	463586.200
x		5727.190	5727.190	360709.170	86688.790	241319.620	371013.990	341754.170	608761.550	464821.420
σ		92.862	92.862	1908.936	73.127	1086.267	2456.596	1435.347	792.115	3060.782
%RSD		1.621	1.621	0.529	0.084	0.450	0.662	0.420	0.130	0.658

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:20:03	490338.770	695939.130	1701618.200	563609.110	530610.430	1260797.500	468034.010	3152514.600
2	03:21:12	492036.290	700496.140	1705742.700	563638.360	536403.680	1262724.200	468665.140	3124645.100
3	03:22:20	490954.700	702710.380	1713679.300	569777.980	535946.360	1269922.200	470715.290	3140134.600
x		491109.920	699715.220	1707013.400	565675.150	534320.160	1264481.300	469138.150	3139098.100
σ		859.338	3452.511	6130.137	3553.185	3220.846	4809.437	1401.829	13963.656
%RSD		0.175	0.493	0.359	0.628	0.603	0.380	0.299	0.445

CCB54 11/18/2011 03:26:50 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:27:58	8718.284	10.417	25.000	290.628	252987.620	2290.809	332.816	279.690	14410.389
2	03:29:06	8640.112	12.500	21.875	242.190	254032.480	3559.819	426.569	531.260	14660.644
3	03:30:15	8948.114	13.021	21.875	285.940	258818.820	5030.573	645.327	718.768	15065.753
x		8768.837	11.979	22.917	272.919	255279.640	3627.067	468.237	509.906	14712.262
σ		160.103	1.378	1.804	26.716	3109.221	1371.120	160.368	220.316	330.717
%RSD		1.826	11.503	7.873	9.789	1.218	37.802	34.249	43.207	2.248
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:27:58	984.409	843.775	17676.554	142103.270	209471.440	20.313	740.644	73417.860	45.313
2	03:29:06	984.409	762.520	18031.685	143334.230	209920.140	42.188	745.332	73031.513	54.688
3	03:30:15	978.158	848.463	17667.168	143034.370	209598.280	37.500	840.650	72861.900	37.500
x		982.325	818.253	17791.802	142823.950	209663.280	33.333	775.542	73103.758	45.833
σ		3.609	48.322	207.798	641.887	231.307	11.517	56.434	284.934	8.606
%RSD		0.367	5.906	1.168	0.449	0.110	34.552	7.277	0.390	18.776
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:27:58	9920.631	504.696	3400.405	3264.435	390.630	43763.807	2064.212	51.563	73.438
2	03:29:06	9934.703	581.262	3258.184	3416.033	629.701	45964.452	2042.334	96.875	79.688
3	03:30:15	9998.810	598.450	3262.873	3520.746	796.897	48367.679	2100.154	142.188	79.688
x		9951.382	561.469	3307.154	3400.405	605.743	46031.979	2068.900	96.875	77.604
σ		41.673	49.912	80.792	128.868	204.190	2302.679	29.194	45.313	3.608
%RSD		0.419	8.890	2.443	3.790	33.709	5.002	1.411	46.774	4.650
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:27:58	221.877	50.000	48.438	145.834	53.125	53.125	276.565	18.750	17.188
2	03:29:06	306.253	81.250	95.313	144.792	57.813	57.813	286.982	17.708	20.833
3	03:30:15	304.691	106.250	79.688	146.355	42.188	42.188	276.044	20.833	17.188
x		277.607	79.167	74.479	145.660	51.042	51.042	279.864	19.097	18.403
σ		48.270	28.183	23.868	0.796	8.018	8.018	6.170	1.591	2.105
%RSD		17.388	35.599	32.046	0.546	15.709	15.709	2.205	8.332	11.438
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:27:58	40.625	85.938	67.188	40.625	106.250	3.125	194350.590	92.188	35.938
2	03:29:06	45.313	65.625	71.875	46.875	96.875	0.000	194881.190	115.625	85.938
3	03:30:15	50.000	75.000	62.500	45.313	120.313	0.000	196221.220	93.750	106.250
x		45.313	75.521	67.188	44.271	107.813	1.042	195151.000	100.521	76.042
σ		4.688	10.166	4.688	3.253	11.797	1.804	964.058	13.104	36.186
%RSD		10.345	13.462	6.977	7.347	10.942	173.205	0.494	13.036	47.587
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:27:58	1.563	1.563	31.250	12.500	282.815	731.269	20.313	37.500	478652.280
2	03:29:06	4.688	4.688	68.750	10.938	254.690	517.197	60.938	100.000	479199.880
3	03:30:15	3.125	3.125	85.938	23.438	235.939	490.633	98.438	196.876	479540.720
x		3.125	3.125	61.979	15.625	257.815	579.700	59.896	111.459	479130.960
σ		1.563	1.563	27.966	6.811	23.594	131.933	39.073	80.304	448.210
%RSD		50.000	50.000	45.121	43.589	9.151	22.759	65.235	72.048	0.094
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	03:27:58	500983.070	134.376	310.941	92.188	95.313	207.814	493565.840	296.878	
2	03:29:06	501853.450	192.189	440.632	150.001	128.126	340.629	497584.520	498.446	
3	03:30:15	503751.340	212.502	543.760	223.439	187.501	468.758	493344.320	865.651	
x		502195.950	179.689	431.778	155.209	136.980	339.067	494831.560	553.659	
σ		1415.563	40.535	116.662	65.781	46.728	130.479	2386.703	288.378	
%RSD		0.282	22.559	27.019	42.382	34.113	38.482	0.482	52.086	

C4463-02 MH3B85 11/18/2011 03:34:45 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:35:53	9338.989	21.875	839.087	2840.907	312608940.000	262682140.000	36220749.000	42397850.000	136218.230
2	03:37:01	9459.381	21.875	853.150	2765.893	314632280.000	265477770.000	36682855.000	42948400.000	137745.270
3	03:38:09	9614.172	19.792	851.588	2983.124	316750290.000	266988890.000	36804878.000	43311700.000	138865.410
x		9470.847	21.181	847.942	2863.308	314663840.000	265049600.000	36569494.000	42885984.000	137609.640
σ		137.949	1.203	7.708	110.334	2070855.300	2185068.400	308122.920	460111.170	1328.791
%RSD		1.457	5.679	0.909	3.853	0.658	0.824	0.843	1.073	0.966

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:35:53	562598.550	82526.749	34872.198	475938.850	24740640.000	50689.772	827666.760	78554.448	1268.806
2	03:37:01	566910.980	83678.734	34814.244	482380.850	24792372.000	51147.649	832814.300	79299.171	1295.371
3	03:38:09	576050.280	83799.753	35984.326	484830.470	24784043.000	50644.298	839786.470	78026.567	1323.499
x		568519.940	83335.079	35223.590	481050.060	24772352.000	50827.240	833422.510	78626.729	1295.892
σ		6868.683	702.644	659.454	4592.766	27776.865	278.413	6082.701	639.373	27.350
%RSD		1.208	0.843	1.872	0.955	0.112	0.548	0.730	0.813	2.111

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:35:53	26812.639	6467.089	7503.533	129414.790	1126889.000	2250084.900	57921.873	975.033	2692.441
2	03:37:01	29065.476	6745.342	8244.566	130753.460	1132013.500	2267293.700	59128.363	932.843	2845.596
3	03:38:09	30025.270	6767.228	8493.149	130244.150	1133764.800	2284417.900	58678.075	1039.100	2850.284
x		28634.461	6659.886	8080.416	130137.470	1130889.100	2267265.500	58576.104	982.326	2796.107
σ		1649.115	167.326	514.824	675.681	3573.179	17166.537	609.675	53.503	89.808
%RSD		5.759	2.512	6.371	0.519	0.316	0.757	1.041	5.447	3.212

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:35:53	3331.638	1332.875	1409.445	4391.300	179.689	179.689	292.711	37.500	19.792
2	03:37:01	3419.159	1384.442	1334.437	4485.600	207.814	207.814	300.003	32.292	25.000
3	03:38:09	3153.473	1504.767	1528.207	4647.110	239.065	239.065	280.732	20.833	25.521
x		3301.424	1407.361	1424.030	4508.003	208.856	208.856	291.149	30.208	23.438
σ		135.396	88.208	97.705	129.368	29.702	29.702	9.730	8.526	3.168
%RSD		4.101	6.268	6.861	2.870	14.221	14.221	3.342	28.225	13.517

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:35:53	11590.638	201.564	2111.093	128.126	312.503	0.000	191059.770	317.191	137.501
2	03:37:01	11815.822	173.439	2153.287	137.501	262.502	1.563	190969.520	306.253	131.251
3	03:38:09	12383.490	154.688	2200.169	98.438	314.066	1.563	193043.990	309.378	120.313
x		11929.983	176.564	2154.850	121.355	296.357	1.042	191691.090	310.941	129.688
σ		408.569	23.594	44.559	20.393	29.330	0.902	1172.514	5.634	8.700
%RSD		3.425	13.363	2.068	16.804	9.897	86.603	0.612	1.812	6.708

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:35:53	57.813	57.813	76.563	29.688	120.313	326.566	268445.600	479865.420	496475.020
2	03:37:01	71.875	71.875	78.125	18.750	118.750	281.253	271746.200	485404.150	497194.730
3	03:38:09	59.375	59.375	70.313	29.688	114.063	228.127	271163.400	487724.970	499595.080
x		63.021	63.021	75.000	26.042	117.709	278.649	270451.730	484331.510	497754.940
σ		7.708	7.708	4.134	6.315	3.253	49.271	1761.627	4038.078	1633.728
%RSD		12.230	12.230	5.512	24.249	2.763	17.682	0.651	0.834	0.328

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:35:53	526020.270	279.690	621.889	1695.413	1443.823	3514.495	473309.880	15402.048
2	03:37:01	525905.210	245.315	528.135	1723.542	1392.255	3600.454	472531.620	14968.776
3	03:38:09	529963.630	187.501	485.946	1728.230	1589.151	3656.718	468637.700	15136.139
x		527296.370	237.502	545.323	1715.728	1475.076	3590.556	471493.070	15168.988
σ		2310.634	46.588	69.582	17.749	102.101	71.626	2503.250	218.496
%RSD		0.438	19.616	12.760	1.034	6.922	1.995	0.531	1.440

Reviewed By: aswal
On: 11/22/2011 1:16:48 PM
Inst Id: P8

C4463-03 MH3B86 11/18/2011 03:42:40 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:43:48	8730.792	14.583	1178.174	2398.639	204573560.000	34028226.000	4663062.100	5460249.100	628176.580
2	03:44:56	8948.114	16.146	1170.360	2615.865	205583960.000	34372334.000	4688335.900	5535853.500	633411.220
3	03:46:04	8934.043	17.188	1132.857	2633.055	206420660.000	34553233.000	4741888.700	5561262.100	634026.700
x		8870.983	15.972	1160.464	2549.186	205526060.000	34317931.000	4697762.200	5519121.600	631871.500
σ		121.613	1.311	24.225	130.661	924912.600	266698.300	40249.804	52544.027	3214.660
%RSD		1.371	8.206	2.088	5.126	0.450	0.777	0.857	0.952	0.509

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:43:48	1066936.200	44213.626	57070.017	814494.210	8123808.700	209203.490	3461008.100	72296.538	5110.289
2	03:44:56	1082857.300	44818.632	56826.863	821189.800	8104653.900	209062.390	3456674.500	73369.174	5046.204
3	03:46:04	1087190.400	44575.686	57435.540	831329.920	8162166.700	208461.510	3475382.900	73989.548	5021.195
x		1078994.600	44535.982	57110.807	822337.980	8130209.700	208909.130	3464355.200	73218.420	5059.229
σ		10665.291	304.451	306.382	8476.377	29285.844	394.016	9792.999	856.514	45.953
%RSD		0.988	0.684	0.536	1.031	0.360	0.189	0.283	1.170	0.908

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:43:48	55294.304	12005.042	16698.817	213099.510	4137377.800	3529798.300	103374.230	1851.683	2931.551
2	03:44:56	57030.799	12331.883	17358.978	212742.690	4115491.100	3523852.300	103323.870	1948.570	2962.807
3	03:46:04	58367.431	12145.786	18052.023	212902.860	4134119.200	3556006.200	103297.110	1770.422	2901.857
x		56897.511	12160.904	17369.939	212915.020	4128996.100	3536552.200	103331.740	1856.892	2932.072
σ		1540.893	163.944	676.670	178.721	11808.553	17107.901	39.156	89.188	30.478
%RSD		2.708	1.348	3.896	0.084	0.286	0.484	0.038	4.803	1.039

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:43:48	8830.854	3995.871	11421.752	3911.473	376.567	376.567	247.398	23.438	23.438
2	03:44:56	8518.164	3900.532	12127.020	3889.071	393.755	393.755	265.627	21.875	27.083
3	03:46:04	8791.767	4267.825	11940.926	3921.372	465.633	465.633	244.273	33.333	21.354
x		8713.595	4054.743	11829.899	3907.305	411.985	411.985	252.433	26.215	23.958
σ		170.373	190.592	365.508	16.549	47.248	47.248	11.533	6.214	2.900
%RSD		1.955	4.700	3.090	0.424	11.468	11.468	4.569	23.703	12.104

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:43:48	3711.420	331.254	873.464	206.251	523.447	4.688	179538.330	157.813	325.004
2	03:44:56	3611.394	273.440	889.090	206.251	543.760	3.125	179032.040	171.876	293.753
3	03:46:04	3562.944	301.566	839.087	201.564	481.258	4.688	179047.860	193.751	254.690
x		3628.586	302.087	867.214	204.689	516.155	4.167	179206.080	174.480	291.149
σ		75.716	28.910	25.581	2.706	31.883	0.902	287.851	18.110	35.229
%RSD		2.087	9.570	2.950	1.322	6.177	21.651	0.161	10.379	12.100

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:43:48	31.250	31.250	281.253	179.689	667.203	534.385	186335.480	328806.550	465020.780
2	03:44:56	37.500	37.500	256.252	181.251	546.885	426.569	186466.870	331761.200	465277.370
3	03:46:04	31.250	31.250	273.440	168.751	606.263	542.198	187212.460	334036.750	469875.830
x		33.333	33.333	270.315	176.564	606.784	501.051	186671.600	331534.840	466724.660
σ		3.608	3.608	12.790	6.811	60.160	64.621	472.981	2622.436	2732.006
%RSD		10.825	10.825	4.731	3.857	9.915	12.897	0.253	0.791	0.585

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:43:48	493866.600	190.626	445.319	7666.119	6534.307	16232.655	450550.810	16900.616
2	03:44:56	491617.550	168.751	376.567	7559.812	6496.789	16295.226	455130.090	16789.548
3	03:46:04	491434.860	168.751	381.255	7767.736	6349.848	16059.021	452300.120	17033.586
x		492306.330	176.043	401.047	7664.556	6460.315	16195.634	452660.340	16907.917
σ		1354.312	12.630	38.412	103.971	97.488	122.377	2310.794	122.183
%RSD		0.275	7.174	9.578	1.357	1.509	0.756	0.510	0.723

Reviewed By/Initial
Date: 11/22/2011 1:16:28 PM
Method Id :P6

C4463-04 MH3B87 11/18/2011 03:50:35 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:51:43	8496.276	77.604	4241.255	2883.103	450177310.000	10518059.000	1496959.100	1766314.400	1863333.600
2	03:52:51	8576.011	74.479	4213.121	2920.611	454535880.000	10584701.000	1506059.200	1778772.700	1893878.400
3	03:53:59	8699.523	66.667	4238.129	2801.837	459327030.000	10659733.000	1513922.600	1787021.000	1891110.900
x		8590.603	72.917	4230.835	2868.517	454680080.000	10587497.000	1505647.000	1777369.300	1882774.300
σ		102.406	5.634	15.420	60.715	4576562.900	70878.443	8489.240	10424.390	16892.913
%RSD		1.192	7.726	0.364	2.117	1.007	0.669	0.564	0.587	0.897

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:51:43	1248970.100	78818.396	31147.982	399499.590	15402407.000	23392.574	390717.910	71635.408	6363.917
2	03:52:51	1259346.200	79434.293	30496.579	402719.380	15512086.000	23755.673	392533.870	70968.027	6453.020
3	03:53:59	1255112.500	78395.768	31039.935	404737.730	15514946.000	23613.249	394186.260	72057.837	6451.456
x		1254476.300	78882.819	30894.832	402318.900	15476480.000	23587.165	392479.350	71553.757	6422.798
σ		5217.255	522.252	349.103	2641.934	64164.723	182.949	1734.820	549.474	50.998
%RSD		0.416	0.662	1.130	0.657	0.415	0.776	0.442	0.768	0.794

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:51:43	88712.092	29115.577	16770.776	1393688.100	1373402.800	23046260.000	588533.000	8752.681	4678.891
2	03:52:51	89432.186	29662.012	16631.551	1406717.700	1383068.900	23124401.000	593030.570	8862.123	4581.985
3	03:53:59	89411.746	29854.600	16484.505	1407959.700	1391404.200	23221881.000	598417.110	9417.165	4763.294
x		89185.341	29544.063	16628.944	1402788.500	1382625.300	23130847.000	593326.890	9010.656	4674.723
σ		409.973	383.370	143.153	7905.612	9008.868	87987.789	4948.712	356.275	90.726
%RSD		0.460	1.298	0.861	0.564	0.652	0.380	0.834	3.954	1.941

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:51:43	37182.701	16767.647	11130.897	5765.226	271.878	271.878	266.669	36.458	23.438
2	03:52:51	37665.213	17119.627	11401.423	5884.545	248.440	248.440	294.274	38.542	27.083
3	03:53:59	39161.416	16961.626	11299.780	5726.668	220.314	220.314	285.420	36.979	31.250
x		38003.110	16949.633	11277.367	5792.146	246.877	246.877	282.121	37.326	27.257
σ		1031.726	176.296	136.648	82.309	25.817	25.817	14.095	1.084	3.909
%RSD		2.715	1.040	1.212	1.421	10.458	10.458	4.996	2.905	14.342

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:51:43	14807.670	1334.437	3877.089	834.399	2022.018	3.125	170432.500	337.504	245.315
2	03:52:51	15172.115	1379.754	3895.844	809.398	2151.725	10.938	171412.880	368.755	243.752
3	03:53:59	15009.443	1309.435	3737.989	834.399	2223.611	4.688	171322.740	339.067	287.503
x		14996.410	1341.209	3836.974	826.066	2132.451	6.250	171056.040	348.442	258.857
σ		182.572	35.645	86.235	14.435	102.169	4.134	541.878	17.609	24.821
%RSD		1.217	2.658	2.247	1.747	4.791	66.144	0.317	5.054	9.589

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:51:43	84.375	84.375	179.689	106.250	662.515	617.201	285279.670	506238.550	458470.330
2	03:52:51	121.876	121.876	225.002	117.188	706.267	582.824	286502.210	510014.670	457528.340
3	03:53:59	104.688	104.688	206.251	120.313	693.767	582.824	285711.610	508103.020	460698.120
x		103.646	103.646	203.647	114.584	687.517	594.283	285831.170	508118.750	458898.930
σ		18.772	18.772	22.769	7.384	22.536	19.847	619.977	1888.112	1627.774
%RSD		18.111	18.111	11.180	6.444	3.278	3.340	0.217	0.372	0.355

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:51:43	484922.580	175.001	446.882	40460.340	33995.088	84788.373	442372.980	19865.365
2	03:52:51	487796.090	178.126	410.943	41176.445	34441.468	85984.553	441480.370	19704.205
3	03:53:59	485606.160	135.938	384.380	40779.997	34162.674	85409.242	441369.200	19860.671
x		486108.280	163.022	414.069	40805.594	34199.743	85394.056	441740.850	19810.080
σ		1501.119	23.507	31.368	358.738	225.487	598.235	550.255	91.721
%RSD		0.309	14.420	7.576	0.879	0.659	0.701	0.125	0.463

Reviewed By: jaswal
On: 11/22/2011 1:16:48 PM
Inst Id: P6

C4463-12 MH3B93 11/18/2011 03:58:30 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:59:38	8060.086	15.104	1620.404	964.095	118950770.000	3454720.600	485867.960	574793.330	73342.475
2	04:00:46	8210.171	15.104	1665.722	932.843	118491550.000	3450263.400	485940.690	570724.010	73257.666
3	04:01:55	8694.833	13.542	1589.151	934.406	118764580.000	3462981.200	485134.280	567606.550	73388.020
x		8321.697	14.583	1625.093	943.781	118735630.000	3455988.400	485647.640	571041.300	73329.387
σ		331.744	0.902	38.500	17.610	230976.950	6452.988	446.073	3603.878	66.155
%RSD		3.987	6.186	2.369	1.866	0.195	0.187	0.092	0.631	0.090
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
1	03:59:38	607960.780	10930.743	238599.480	753291.110	5313116.300	42713.761	711137.410	67692.815	2461.150
2	04:00:46	612958.310	10958.889	237911.580	763519.490	5308143.500	42787.418	713734.100	68436.972	2281.432
3	04:01:55	617566.160	11083.986	239501.890	767245.760	5344316.800	42937.869	714853.670	68071.168	2404.890
x		612828.420	10991.206	238670.980	761352.120	5321858.800	42813.016	713241.720	68066.985	2382.491
σ		4804.003	81.573	797.561	7225.384	19607.447	114.226	1906.428	372.097	91.929
%RSD		0.784	0.742	0.334	0.949	0.368	0.267	0.267	0.547	3.859
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
1	03:59:38	81508.428	2829.968	21547.488	176918.450	2742129.200	2906446.700	77105.964	467.195	943.781
2	04:00:46	84525.887	2997.189	22020.083	174442.970	2750587.900	2920856.300	77200.221	475.008	993.785
3	04:01:55	84065.369	2981.561	21898.020	176007.300	2767831.100	2928623.600	76446.182	443.757	1001.598
x		83366.561	2936.239	21821.864	175789.570	2753516.100	2918642.200	76917.456	461.987	979.721
σ		1625.581	92.365	245.329	1252.018	13098.769	11253.043	410.847	16.264	31.369
%RSD		1.950	3.146	1.124	0.712	0.476	0.386	0.534	3.520	3.202
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
1	03:59:38	2712.758	1093.792	1934.506	6253.452	364.067	364.067	245.315	21.354	23.958
2	04:00:46	2783.084	1126.607	2022.018	6361.833	364.067	364.067	250.523	22.396	25.521
3	04:01:55	2797.149	1212.552	2076.713	6331.611	378.130	378.130	261.982	21.354	19.271
x		2764.330	1144.317	2011.079	6315.632	368.755	368.755	252.606	21.701	22.917
σ		45.213	61.329	71.732	55.930	8.119	8.119	8.527	0.601	3.253
%RSD		1.636	5.359	3.567	0.886	2.202	2.202	3.375	2.771	14.193
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
1	03:59:38	3369.147	175.001	753.145	120.313	262.502	6.250	171270.560	142.188	82.813
2	04:00:46	3473.860	151.563	726.581	132.813	264.065	3.125	173467.140	156.251	64.063
3	04:01:55	3572.322	173.439	781.271	128.126	293.753	4.688	174036.500	148.438	71.875
x		3471.776	166.668	753.666	127.084	273.440	4.688	172924.730	148.959	72.917
σ		101.603	13.104	27.349	6.315	17.609	1.563	1460.568	7.046	9.418
%RSD		2.927	7.862	3.629	4.969	6.440	33.333	0.845	4.730	12.917
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
1	03:59:38	31.250	31.250	40.625	10.938	237.502	1023.474	18813.943	33827.503	444311.450
2	04:00:46	15.625	15.625	40.625	14.063	234.377	1053.164	18809.249	33559.685	450379.920
3	04:01:55	28.125	28.125	62.500	9.375	229.689	1101.605	18723.199	33852.562	451956.690
x		25.000	25.000	47.917	11.458	233.856	1059.414	18782.131	33746.584	448882.690
σ		8.268	8.268	12.630	2.387	3.932	39.439	51.090	162.343	4036.545
%RSD		33.072	33.072	26.357	20.830	1.681	3.723	0.272	0.481	0.899
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
1	03:59:38	471617.780	40.625	118.750	2189.230	1806.364	4621.060	442245.690	11984.713	
2	04:00:46	477421.480	42.188	118.750	2115.782	1831.367	4585.111	442091.010	12372.543	
3	04:01:55	473261.440	21.875	110.938	2239.238	1920.442	4572.607	445545.900	11950.309	
x		474100.230	34.896	116.146	2181.417	1852.724	4592.926	443294.200	12102.521	
σ		2991.392	11.303	4.511	62.098	59.963	25.154	1951.559	234.477	
%RSD		0.631	32.392	3.884	2.847	3.236	0.548	0.440	1.937	

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:07:35	8196.101	26.042	1415.695	1804.802	186393430.000	5649442.500	797174.240	943281.370	203645.920
2	04:08:43	8130.438	25.000	1532.895	1903.252	187398200.000	5695374.400	796182.080	948457.810	204549.320
3	04:09:51	8128.875	18.750	1440.698	1836.056	190041260.000	5793516.600	817451.470	962585.510	207232.890
x		8151.804	23.264	1463.096	1848.036	187944300.000	5712777.900	803602.600	951441.560	205142.710
σ		38.370	3.944	61.727	50.307	1884233.900	73596.854	12003.730	9991.975	1865.657
%RSD		0.471	16.952	4.219	2.722	1.003	1.288	1.494	1.050	0.909
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
1	04:07:35	734029.370	32168.991	332260.090	800484.680	6510637.900	59652.410	972673.070	67896.905	18649.665
2	04:08:43	738573.580	32300.538	332324.060	808812.800	6578748.000	59768.519	984217.090	68636.363	19242.639
3	04:09:51	745872.920	32269.217	335626.490	818950.990	6665880.200	60576.599	998054.370	68328.643	19140.940
x		739491.960	32246.249	333403.550	809416.160	6585088.700	59999.176	984981.510	68287.304	19011.081
σ		5974.944	68.715	1925.392	9247.925	77815.156	503.422	12707.903	371.459	317.099
%RSD		0.808	0.213	0.577	1.143	1.182	0.839	1.290	0.544	1.668
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
1	04:07:35	157843.780	19294.271	23514.649	266769.330	3791454.200	4418777.700	116159.410	1339.125	3112.839
2	04:08:43	160844.160	19464.814	23755.673	267931.400	3810258.900	4453998.300	116190.910	1295.371	3134.719
3	04:09:51	162323.250	19821.554	23923.139	274781.560	3891247.700	4540255.400	116839.920	1340.688	3125.342
x		160337.060	19526.880	23731.154	269827.430	3830986.900	4471010.500	116396.750	1325.062	3124.300
σ		2282.381	269.065	205.346	4329.570	53027.582	62500.141	384.125	25.724	10.977
%RSD		1.423	1.378	0.865	1.605	1.384	1.398	0.330	1.941	0.351
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
1	04:07:35	3395.716	1321.936	1392.255	13329.132	354.692	354.692	236.460	32.292	23.438
2	04:08:43	3280.064	1406.319	1470.388	13442.259	306.253	306.253	248.961	38.021	24.479
3	04:09:51	3600.454	1329.749	1486.015	13721.170	389.068	389.068	251.044	28.125	20.313
x		3425.411	1352.668	1449.553	13497.520	350.004	350.004	245.488	32.813	22.743
σ		162.246	46.627	50.232	201.776	41.606	41.606	7.888	4.968	2.168
%RSD		4.737	3.447	3.465	1.495	11.887	11.887	3.213	15.142	9.534
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
1	04:07:35	12217.722	500.009	2504.907	364.067	726.581	4.688	166840.470	275.003	76.563
2	04:08:43	12220.850	468.758	2533.037	323.441	815.648	1.563	170048.270	285.940	87.500
3	04:09:51	12546.132	459.382	2472.089	320.316	735.956	7.813	170356.600	320.316	90.625
x		12328.235	476.050	2503.344	335.941	759.395	4.688	169081.780	293.753	84.896
σ		188.711	21.272	30.504	24.408	48.942	3.125	1947.146	23.645	7.384
%RSD		1.531	4.468	1.219	7.265	6.445	66.667	1.152	8.049	8.698
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
1	04:07:35	64.063	64.063	64.063	9.375	623.451	3053.451	16457.912	29483.518	444577.350
2	04:08:43	81.250	81.250	67.188	10.938	728.144	3098.774	16587.750	30061.283	448600.220
3	04:09:51	78.125	78.125	60.938	17.188	679.704	3126.905	17254.163	30465.263	448875.870
x		74.479	74.479	64.063	12.500	677.099	3093.043	16766.608	30003.355	447351.150
σ		9.155	9.155	3.125	4.134	52.395	37.060	427.196	493.429	2406.129
%RSD		12.293	12.293	4.878	33.072	7.738	1.198	2.548	1.645	0.538
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
1	04:07:35	471688.820	37.500	107.813	2926.862	2468.963	5885.587	437754.230	36897.589	
2	04:08:43	480038.270	34.375	70.313	2915.923	2392.388	6087.234	440602.310	36836.494	
3	04:09:51	472854.540	25.000	107.813	2895.606	2465.838	6118.498	435892.330	37265.730	
x		474860.540	32.292	95.313	2912.797	2442.396	6030.440	438082.960	36999.937	
σ		4521.765	6.505	21.651	15.861	43.337	126.416	2372.136	232.201	
%RSD		0.952	20.145	22.715	0.545	1.774	2.096	0.541	0.628	

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:15:31	9448.436	12.500	87.500	440.632	12802608.000	10847156.000	1549249.300	1766867.400	19319.304
2	04:16:39	9446.873	11.458	76.563	479.696	13043061.000	10985981.000	1568810.300	1786954.400	19120.600
3	04:17:47	9643.879	9.375	67.188	464.070	13054869.000	11004806.000	1561945.300	1790585.700	19604.067
x		9513.063	11.111	77.084	461.456	12966846.000	10945981.000	1560001.600	1781469.200	19347.990
σ		113.293	1.591	10.166	19.662	142356.360	86100.453	9924.275	12775.211	243.007
%RSD		1.191	14.321	13.189	4.261	1.098	0.787	0.636	0.717	1.256

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:15:31	24699.459	4270.951	20439.612	179666.490	1233359.900	2097.029	34637.253	77038.414	96.875
2	04:16:39	24477.202	4186.551	21078.038	181394.370	1253082.900	2028.269	35238.721	80144.494	82.813
3	04:17:47	24427.116	4202.181	21329.974	181359.560	1261959.300	2122.033	35566.093	79032.072	98.438
x		24534.592	4219.894	20949.208	180806.810	1249467.400	2082.444	35147.355	78738.326	92.709
σ		144.958	44.902	458.949	987.696	14638.512	48.554	471.112	1573.737	8.606
%RSD		0.591	1.064	2.191	0.546	1.172	2.332	1.340	1.999	9.282

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:15:31	23699.329	896.903	7795.877	8988.765	47956.923	156771.130	4546.036	71.875	209.377
2	04:16:39	22149.971	981.284	7303.429	9312.409	49019.897	163505.370	4566.355	75.000	207.814
3	04:17:47	21270.511	954.719	6995.462	9354.624	48965.022	164964.180	4711.714	73.438	196.876
x		22373.270	944.302	7364.923	9218.599	48647.280	161746.890	4608.035	73.438	204.689
σ		1229.710	43.144	403.735	200.159	598.496	4370.433	90.362	1.563	6.811
%RSD		5.496	4.569	5.482	2.171	1.230	2.702	1.961	2.128	3.327

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:15:31	275.003	137.501	142.188	469.279	109.375	109.375	303.649	25.521	22.917
2	04:16:39	279.690	131.251	167.188	470.841	100.000	100.000	285.420	20.313	22.917
3	04:17:47	296.878	125.001	142.188	452.611	70.313	70.313	294.274	23.958	22.396
x		283.857	131.251	150.522	464.244	93.229	93.229	294.447	23.264	22.743
σ		11.518	6.250	14.434	10.104	20.393	20.393	9.116	2.673	0.301
%RSD		4.058	4.762	9.589	2.176	21.874	21.874	3.096	11.489	1.322

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:15:31	462.507	21.875	87.500	15.625	21.875	0.000	204920.200	93.750	23.438
2	04:16:39	431.257	17.188	76.563	26.563	29.688	4.688	205232.450	123.438	18.750
3	04:17:47	478.133	12.500	84.375	6.250	26.563	3.125	208420.290	107.813	28.125
x		457.299	17.188	82.813	16.146	26.042	2.604	206190.980	108.334	23.438
σ		23.868	4.688	5.634	10.166	3.932	2.387	1936.943	14.851	4.688
%RSD		5.219	27.273	6.803	62.965	15.100	91.652	0.939	13.708	20.000

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:15:31	1.563	1.563	12.500	6.250	35.938	32.813	10732.155	19505.495	497375.870
2	04:16:39	6.250	6.250	6.250	0.000	43.750	50.000	10857.249	19913.870	504317.680
3	04:17:47	3.125	3.125	14.063	4.688	43.750	62.500	10997.982	19724.545	506719.210
x		3.646	3.646	10.938	3.646	41.146	48.438	10862.462	19714.637	502804.260
σ		2.387	2.387	4.134	3.253	4.511	14.905	132.990	204.368	4852.044
%RSD		65.465	65.465	37.796	89.214	10.962	30.772	1.224	1.037	0.965

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:15:31	524143.780	21.875	62.500	143.751	123.438	292.190	502084.810	598.450
2	04:16:39	529467.620	26.563	71.875	173.439	154.688	282.815	505083.090	695.329
3	04:17:47	530321.880	31.250	84.375	131.251	117.188	278.128	508619.350	684.391
x		527977.760	26.563	72.917	149.480	131.771	284.378	505262.420	659.390
σ		3347.684	4.688	10.975	21.670	20.091	7.160	3270.959	53.058
%RSD		0.634	17.647	15.051	14.497	15.247	2.518	0.647	8.047

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:23:27	8909.027	13.021	57.813	443.757	8607339.700	1448991.400	201362.330	238731.340	39145.748
2	04:24:35	8790.203	12.500	78.125	442.194	8604626.000	1448037.500	202008.860	239039.550	39039.207
3	04:25:43	8935.606	9.375	79.688	442.194	8576250.800	1441944.700	200541.530	236143.550	39687.865
x		8878.279	11.632	71.875	442.715	8596072.200	1446324.500	201304.240	237971.480	39290.940
σ		77.425	1.972	12.204	0.902	17219.354	3822.919	735.389	1590.520	347.851
%RSD		0.872	16.952	16.979	0.204	0.200	0.264	0.365	0.668	0.885

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:23:27	44221.463	2603.362	20841.755	177698.350	552410.750	8527.544	142606.690	74261.265	262.502
2	04:24:35	45149.359	2648.683	20740.044	178416.600	551758.110	8546.306	142515.150	73975.413	256.252
3	04:25:43	44447.162	2637.744	20470.907	176205.030	545718.580	8404.034	141945.460	73585.909	262.502
x		44605.995	2629.930	20684.235	177439.990	549962.480	8492.628	142355.770	73940.863	260.419
σ		483.910	23.649	191.620	1128.195	3689.784	77.296	358.270	339.001	3.609
%RSD		1.085	0.899	0.926	0.636	0.671	0.910	0.252	0.458	1.386

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:23:27	20949.725	1128.170	6915.736	12546.132	174941.200	207329.590	6282.631	112.500	190.626
2	04:24:35	21103.075	1134.420	7122.087	12100.435	176035.770	206197.760	6409.250	129.688	156.251
3	04:25:43	21146.890	1060.977	6989.209	12299.042	172366.430	203777.470	6151.324	100.000	200.001
x		21066.563	1107.856	7009.011	12315.203	174447.800	205768.270	6281.068	114.063	182.293
σ		103.530	40.718	104.591	223.287	1883.771	1814.593	128.970	14.905	23.035
%RSD		0.491	3.675	1.492	1.813	1.080	0.882	2.053	13.068	12.636

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:23:27	492.196	262.502	651.577	410.423	117.188	117.188	273.440	25.000	12.500
2	04:24:35	515.634	246.877	576.574	395.318	95.313	95.313	253.127	23.438	20.313
3	04:25:43	528.135	235.939	620.326	447.403	104.688	104.688	277.607	17.188	21.354
x		511.988	248.440	616.159	417.714	105.730	105.730	268.058	21.875	18.056
σ		18.245	13.350	37.675	26.797	10.975	10.975	13.097	4.134	4.839
%RSD		3.563	5.374	6.114	6.415	10.380	10.380	4.886	18.898	26.803

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:23:27	181.251	31.250	43.750	10.938	35.938	4.688	193365.490	117.188	31.250
2	04:24:35	181.251	17.188	48.438	21.875	40.625	0.000	191447.730	126.563	34.375
3	04:25:43	167.188	25.000	32.813	12.500	18.750	0.000	193002.820	107.813	18.750
x		176.564	24.479	41.667	15.104	31.771	1.563	192605.340	117.188	28.125
σ		8.119	7.046	8.018	5.916	11.517	2.706	1018.793	9.375	8.268
%RSD		4.598	28.782	19.244	39.165	36.251	173.205	0.529	8.000	29.397

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:23:27	1.563	1.563	20.313	9.375	51.563	64.063	7620.782	13618.989	483159.640
2	04:24:35	1.563	1.563	21.875	7.813	31.250	42.188	7692.696	13708.136	474916.590
3	04:25:43	3.125	3.125	18.750	4.688	45.313	32.813	7661.429	13618.989	476098.730
x		2.083	2.083	20.313	7.292	42.708	46.354	7658.302	13648.704	478058.320
σ		0.902	0.902	1.563	2.387	10.404	16.036	36.059	51.469	4457.237
%RSD		43.301	43.301	7.692	32.733	24.360	34.595	0.471	0.377	0.932

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:23:27	505646.240	42.188	103.125	357.817	348.442	753.145	487724.970	706.267
2	04:24:35	499648.460	21.875	56.250	385.943	312.503	776.584	484297.210	664.078
3	04:25:43	503565.260	46.875	73.438	396.881	298.441	814.086	485077.720	689.079
x		502953.320	36.979	77.604	380.213	319.795	781.271	485699.960	686.475
σ		3045.356	13.289	23.714	20.152	25.786	30.740	1796.607	21.215
%RSD		0.605	35.936	30.557	5.300	8.063	3.935	0.370	3.090

Reviewed By jaswal1 On:11/22/2011 1:18:48 PM Unit Id :P8

C4463-04X25 MH3B87 11/18/2011 04:30:16 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:31:24	8457.190	18.229	181.251	403.131	19246718.000	448026.380	62076.768	73537.222	91045.453
2	04:32:32	8561.940	14.583	184.376	412.506	18690471.000	432074.250	60032.120	70920.919	87243.715
3	04:33:40	8585.391	13.542	214.064	400.006	18915251.000	439998.180	61860.207	72035.851	88452.678
x		8534.841	15.451	193.230	405.214	18950814.000	440032.930	61323.032	72164.664	88913.949
σ		68.262	2.461	18.110	6.505	279823.590	7976.123	1123.194	1312.900	1942.390
%RSD		0.800	15.930	9.372	1.605	1.477	1.813	1.832	1.819	2.185

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:31:24	50934.389	4122.470	19394.406	154550.250	858244.210	984.409	16822.399	70306.958	323.441
2	04:32:32	49077.908	3845.830	18802.991	152708.730	834543.790	1031.287	16193.548	70957.035	248.440
3	04:33:40	50385.573	3995.871	18746.667	153274.120	844648.410	950.032	16658.144	68768.245	309.378
x		50132.624	3988.057	18981.355	153511.030	845812.140	988.576	16558.030	70010.746	293.753
σ		953.739	138.485	358.820	943.344	11892.988	40.788	326.160	1124.058	39.868
%RSD		1.902	3.472	1.890	0.615	1.406	4.126	1.970	1.606	13.572

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:31:24	20226.809	1629.781	6334.217	62914.798	58825.554	1069313.900	26753.152	431.257	237.502
2	04:32:32	20242.456	1637.594	6532.743	59936.407	56433.120	1035234.200	25918.804	375.005	243.752
3	04:33:40	20322.257	1756.358	6206.035	61354.910	57432.403	1060121.500	26307.012	396.881	226.564
x		20263.841	1674.577	6357.665	61402.038	57563.692	1054889.900	26326.323	401.047	235.939
σ		51.191	70.932	164.611	1489.754	1201.609	17631.884	417.509	28.356	8.700
%RSD		0.253	4.236	2.589	2.426	2.087	1.671	1.586	7.071	3.687

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:31:24	1771.985	767.208	585.950	507.822	73.438	73.438	269.273	20.313	17.708
2	04:32:32	1684.474	789.084	503.134	468.237	104.688	104.688	263.544	20.313	22.396
3	04:33:40	1618.842	775.021	593.762	514.072	115.625	115.625	245.835	17.708	12.500
x		1691.767	777.104	560.949	496.710	97.917	97.917	259.551	19.444	17.535
σ		76.832	11.086	50.221	24.856	21.894	21.894	12.219	1.504	4.950
%RSD		4.542	1.427	8.953	5.004	22.359	22.359	4.708	7.732	28.231

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:31:24	560.949	75.000	139.063	46.875	114.063	1.563	183815.650	109.375	9.375
2	04:32:32	618.763	60.938	140.626	42.188	104.688	1.563	186913.270	89.063	20.313
3	04:33:40	600.013	71.875	179.689	29.688	93.750	1.563	182775.880	87.500	15.625
x		593.242	69.271	153.126	39.583	104.167	1.563	184501.600	95.313	15.104
σ		29.496	7.384	23.017	8.885	10.166	0.000	2152.301	12.204	5.487
%RSD		4.972	10.660	15.032	22.446	9.760	0.000	1.167	12.804	36.330

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:31:24	1.563	1.563	17.188	9.375	43.750	81.250	11803.312	21081.168	457584.790
2	04:32:32	3.125	3.125	10.938	4.688	67.188	37.500	11548.416	20746.303	469649.820
3	04:33:40	4.688	4.688	15.625	3.125	62.500	39.063	11420.188	21135.936	457370.270
x		3.125	3.125	14.583	5.729	57.813	52.604	11590.638	20987.803	461534.960
σ		1.563	1.563	3.253	3.253	12.402	24.820	195.021	210.930	7028.495
%RSD		50.000	50.000	22.304	56.773	21.452	47.183	1.683	1.005	1.523

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:31:24	483482.800	29.688	100.000	1717.291	1457.887	3647.341	465366.130	876.589
2	04:32:32	491441.320	28.125	87.500	1715.728	1412.570	3480.111	476093.890	785.959
3	04:33:40	477754.210	31.250	87.500	1698.539	1432.884	3541.064	463478.090	754.707
x		484226.110	29.688	91.667	1710.519	1434.447	3556.172	468312.700	805.752
σ		6873.766	1.563	7.217	10.405	22.699	84.632	6804.505	63.306
%RSD		1.420	5.263	7.873	0.608	1.582	2.380	1.453	7.857

Reviewed By:jaswal
On:11/22/2011 1:16:46 PM
Inst Id :P6

C4463-12X25 MH3B93 11/18/2011 04:38:13 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:39:21	8191.410	11.458	62.500	315.628	5117902.600	149263.230	20574.180	24608.677	16436.012
2	04:40:29	8405.597	13.021	70.313	315.628	5111521.600	149339.020	20699.360	25122.070	16756.697
3	04:41:37	8446.246	14.063	81.250	318.754	5108365.600	148292.260	20685.277	24214.254	16478.248
x		8347.751	12.847	71.354	316.670	5112596.600	148964.840	20652.939	24648.334	16556.986
σ		136.912	1.311	9.418	1.804	4858.559	583.699	68.570	455.205	174.239
%RSD		1.640	10.202	13.199	0.570	0.095	0.392	0.332	1.847	1.052

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:39:21	25325.554	1296.934	27449.784	163261.980	424714.670	1843.869	29727.774	68953.510	135.938
2	04:40:29	26214.655	1200.050	27177.389	162968.030	423440.160	1796.988	30374.444	68524.892	125.001
3	04:41:37	25663.656	1240.679	27149.211	164532.690	424027.510	1795.425	30299.285	68548.442	117.188
x		25734.622	1245.888	27258.795	163587.560	424060.780	1812.094	30133.834	68575.615	126.042
σ		448.779	48.651	166.001	831.590	637.905	27.529	353.661	240.952	9.418
%RSD		1.744	3.905	0.609	0.508	0.150	1.519	1.174	0.351	7.472

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:39:21	18501.035	637.514	6087.234	10352.187	116053.870	168656.930	5133.735	70.313	104.688
2	04:40:29	18504.164	650.015	5840.256	10652.408	116263.370	171514.080	5263.470	57.813	126.563
3	04:41:37	18341.454	645.327	5813.683	10536.697	118375.930	170141.560	5094.658	68.750	114.063
x		18448.884	644.285	5913.724	10513.764	116897.720	170104.190	5163.954	65.625	115.105
σ		93.050	6.315	150.850	151.418	1284.442	1428.943	88.370	6.811	10.975
%RSD		0.504	0.980	2.551	1.440	1.099	0.840	1.711	10.378	9.535

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:39:21	289.065	120.313	126.563	493.238	89.063	89.063	254.690	14.583	22.396
2	04:40:29	284.378	84.375	184.376	492.196	73.438	73.438	254.169	22.396	21.875
3	04:41:37	328.129	109.375	178.126	490.633	79.688	79.688	237.502	19.792	20.833
x		300.524	104.688	163.022	492.022	80.729	80.729	248.787	18.924	21.701
σ		24.021	18.422	31.728	1.311	7.864	7.864	9.776	3.978	0.796
%RSD		7.993	17.597	19.463	0.266	9.742	9.742	3.930	21.021	3.666

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:39:21	168.751	15.625	39.063	9.375	14.063	4.688	183298.130	92.188	7.813
2	04:40:29	151.563	12.500	40.625	14.063	31.250	3.125	183105.050	103.125	14.063
3	04:41:37	173.439	12.500	59.375	17.188	10.938	1.563	182897.730	87.500	3.125
x		164.584	13.542	46.354	13.542	18.750	3.125	183100.300	94.271	8.333
σ		11.517	1.804	11.303	3.932	10.938	1.563	200.240	8.018	5.487
%RSD		6.998	13.323	24.385	29.038	58.333	50.000	0.109	8.505	65.848

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:39:21	3.125	3.125	9.375	1.563	26.563	68.750	646.890	1431.322	456400.930
2	04:40:29	0.000	0.000	3.125	3.125	25.000	53.125	773.458	1465.700	454888.190
3	04:41:37	0.000	0.000	3.125	3.125	29.688	60.938	865.651	1329.749	453783.570
x		1.042	1.042	5.208	2.604	27.083	60.938	762.000	1408.924	455024.230
σ		1.804	1.804	3.608	0.902	2.387	7.813	109.830	70.689	1313.976
%RSD		173.205	173.205	69.282	34.641	8.813	12.821	14.413	5.017	0.289

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:39:21	478991.500	34.375	50.000	170.314	106.250	285.940	471059.170	471.883
2	04:40:29	479873.490	31.250	73.438	173.439	112.500	350.004	470802.470	539.073
3	04:41:37	478164.470	32.813	68.750	121.876	131.251	298.441	468126.010	507.822
x		479009.820	32.813	64.063	155.209	116.667	311.462	469995.880	506.259
σ		854.658	1.563	12.402	28.910	13.011	33.959	1624.434	33.622
%RSD		0.178	4.762	19.359	18.627	11.152	10.903	0.346	6.641

Reviewed By:aswal
On:11/22/2011 1:16:48 PM
Inst Id :P6

C4463-06X25 MH3B89 11/18/2011 04:46:11 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:47:19	8414.978	8.854	67.188	329.691	7982700.900	247322.520	34407.010	41109.063	21916.799
2	04:48:27	8185.157	10.417	68.750	401.568	8044160.900	246278.150	34110.989	40480.710	21929.318
3	04:49:35	8313.356	16.146	78.125	392.193	7878599.300	244410.540	33616.067	40128.155	21714.929
x		8304.497	11.806	71.354	374.484	7968487.100	246003.740	34044.689	40572.643	21853.682
σ		115.166	3.839	5.916	39.074	83691.001	1475.256	399.618	496.874	120.327
%RSD		1.387	32.520	8.290	10.434	1.050	0.600	1.174	1.225	0.551
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:47:19	30504.408	2157.976	31119.796	164994.210	477920.570	2512.721	41604.244	68885.998	781.271
2	04:48:27	30736.154	2137.660	30947.548	164210.260	478731.430	2497.093	41201.517	69174.889	878.152
3	04:49:35	29921.928	2204.858	30767.472	164184.970	475195.970	2408.015	40779.997	70083.991	731.269
x		30387.497	2165.831	30944.938	164463.150	477282.660	2472.610	41195.253	69381.626	796.897
σ		419.514	34.463	176.177	460.091	1852.046	56.484	412.159	625.182	74.678
%RSD		1.381	1.590	0.569	0.280	0.388	2.284	1.001	0.901	9.371
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:47:19	20621.122	1268.806	5460.418	14532.388	163366.290	237889.340	6624.973	100.000	170.314
2	04:48:27	20484.989	1348.501	5604.224	14418.210	164425.210	238556.580	6642.169	89.063	217.189
3	04:49:35	20486.554	1346.939	5574.525	14299.340	160720.910	233589.570	6617.157	106.250	195.314
x		20530.888	1321.415	5546.389	14416.646	162837.470	236678.500	6628.100	98.438	194.272
σ		78.149	45.567	75.919	116.532	1907.929	2695.813	12.796	8.700	23.455
%RSD		0.381	3.448	1.369	0.808	1.172	1.139	0.193	8.838	12.073
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:47:19	307.816	89.063	150.001	740.644	93.750	93.750	258.336	18.750	14.583
2	04:48:27	284.378	106.250	142.188	757.833	64.063	64.063	255.211	16.667	17.708
3	04:49:35	312.503	137.501	118.750	709.913	106.250	106.250	248.961	26.042	17.708
x		301.566	110.938	136.980	736.130	88.021	88.021	254.169	20.486	16.667
σ		15.069	24.557	16.263	24.276	21.670	21.670	4.774	4.923	1.804
%RSD		4.997	22.136	11.873	3.298	24.619	24.619	1.878	24.030	10.825
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:47:19	553.136	21.875	140.626	15.625	40.625	0.000	183358.270	82.813	15.625
2	04:48:27	514.072	17.188	110.938	20.313	46.875	3.125	181196.570	100.000	14.063
3	04:49:35	537.510	20.313	117.188	23.438	57.813	4.688	185879.600	115.625	10.938
x		534.906	19.792	122.917	19.792	48.438	2.604	183478.150	99.480	13.542
σ		19.662	2.387	15.651	3.932	8.700	2.387	2343.815	16.413	2.387
%RSD		3.676	12.059	12.733	19.868	17.961	91.652	1.277	16.498	17.625
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:47:19	6.250	6.250	10.938	6.250	37.500	157.813	692.204	1278.182	455054.290
2	04:48:27	3.125	3.125	7.813	1.563	50.000	157.813	681.266	1295.371	453428.820
3	04:49:35	1.563	1.563	10.938	4.688	42.188	125.001	745.332	1179.736	464823.900
x		3.646	3.646	9.896	4.167	43.229	146.876	706.267	1251.097	457769.000
σ		2.387	2.387	1.804	2.387	6.315	18.944	34.270	62.395	6163.539
%RSD		65.465	65.465	18.232	57.282	14.608	12.898	4.852	4.987	1.346
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	04:47:19	480455.060	26.563	93.750	157.813	140.626	375.005	470053.400	1542.271	
2	04:48:27	480400.130	21.875	79.688	154.688	151.563	381.255	466865.440	1486.015	
3	04:49:35	489470.680	26.563	98.438	165.626	168.751	400.006	474774.490	1576.650	
x		483441.960	25.000	90.625	159.376	153.647	385.422	470564.440	1534.978	
σ		5221.102	2.706	9.758	5.634	14.178	13.011	3979.211	45.755	
%RSD		1.080	10.825	10.767	3.535	9.228	3.376	0.846	2.981	

Reviewed By jaswal On 11/22/2011 1:16:48 PM Inst Id -PB

CCV55 11/18/2011 04:54:07 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:55:15	8097.607	13514.202	2253.303	257.815	12683425.000	9855116.300	1392155.200	1642592.100	2327925.300
2	04:56:23	8030.381	13463.112	2251.740	350.004	12667978.000	9806645.100	1395558.100	1651063.700	2339188.700
3	04:57:31	8035.072	13592.401	2151.725	334.379	12727216.000	9824291.500	1393966.500	1651548.000	2338099.700
x		8054.353	13523.238	2218.922	314.066	12692873.000	9828684.300	1393893.300	1648401.300	2335071.300
σ		37.532	65.116	58.200	49.337	30728.514	24532.330	1702.668	5036.734	6212.460
%RSD		0.466	0.482	2.623	15.709	0.242	0.250	0.122	0.306	0.266

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:55:15	27100.681	137617.490	30523.198	133804.960	8114913.200	38551.949	635904.330	67308.191	20472.471
2	04:56:23	27294.800	138857.520	30404.195	135104.610	8117508.200	38409.378	628675.970	67647.287	20752.562
3	04:57:31	26862.733	138810.190	30419.853	134341.210	8179957.600	38855.896	639616.220	66722.641	20403.623
x		27086.071	138428.400	30449.082	134416.930	8137459.700	38605.741	634732.170	67226.040	20542.886
σ		216.404	702.671	64.662	653.123	36827.142	228.067	5563.518	467.765	184.820
%RSD		0.799	0.508	0.212	0.486	0.453	0.591	0.877	0.696	0.900

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:55:15	321365.060	289732.010	39278.925	1103397.900	849149.130	18324258.000	466473.250	364882.360	79783.104
2	04:56:23	322426.070	287618.050	38818.294	1103583.300	842333.150	18122429.000	462495.440	361693.410	78816.825
3	04:57:31	321740.560	289245.740	38949.901	1118550.000	852973.410	18426625.000	468970.220	364980.120	79998.365
x		321843.900	288865.260	39015.707	1108510.400	848151.900	18291104.000	465979.640	363851.960	79532.765
σ		538.000	1107.145	237.262	8695.029	5389.771	154784.530	3265.494	1870.002	629.295
%RSD		0.167	0.383	0.608	0.784	0.635	0.846	0.701	0.514	0.791

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:55:15	404146.340	194611.930	144850.970	64070.438	3562.944	3562.944	11826.769	4884.689	19.792
2	04:56:23	400227.360	192863.450	144333.270	63286.224	3727.049	3727.049	11804.354	4869.580	19.271
3	04:57:31	404393.820	196012.130	146623.610	64377.543	3602.017	3602.017	11794.971	4809.664	16.667
x		402922.510	194495.840	145269.280	63911.402	3630.670	3630.670	11808.698	4854.644	18.576
σ		2337.345	1577.543	1201.102	562.773	85.722	85.722	16.338	39.680	1.674
%RSD		0.580	0.811	0.827	0.881	2.361	2.361	0.138	0.817	9.013

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:55:15	64912.769	114070.800	123675.220	72301.250	187198.210	4.688	177435.740	7403.480	359123.530
2	04:56:23	63683.819	114239.330	120745.640	71649.541	186118.620	4.688	177589.200	7300.302	356848.830
3	04:57:31	64441.894	114941.800	123435.670	72918.437	188363.380	1.563	175567.560	7426.930	358594.870
x		64346.161	114417.310	122618.840	72289.743	187226.740	3.646	176864.170	7376.904	358189.080
σ		620.043	461.974	1626.661	634.526	1122.652	1.804	1125.511	67.367	1190.405
%RSD		0.964	0.404	1.327	0.878	0.600	49.487	0.636	0.913	0.332

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:55:15	5486.991	5486.991	350452.760	85197.043	235050.740	360603.880	332856.550	595748.010	450873.250
2	04:56:23	5560.457	5560.457	353112.380	84090.516	235584.430	364057.010	332479.170	591405.880	454938.180
3	04:57:31	5563.583	5563.583	351559.140	85146.745	237442.940	360708.020	335271.420	594772.670	447979.630
x		5537.010	5537.010	351708.090	84811.435	236026.040	361789.640	333535.710	593975.520	451263.690
σ		43.346	43.346	1336.049	624.840	1255.755	1964.293	1514.965	2278.183	3495.667
%RSD		0.783	0.783	0.380	0.737	0.532	0.543	0.454	0.384	0.775

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:55:15	475712.750	676651.120	1669922.200	551249.990	523072.760	1241047.300	456441.260	3089040.400
2	04:56:23	479322.640	678624.310	1671235.100	550706.170	520582.680	1241984.600	459631.770	3087524.100
3	04:57:31	475856.480	687607.700	1677452.900	555143.360	520121.000	1233881.900	456429.970	3075086.400
x		476963.960	680961.040	1672870.100	552366.500	521258.810	1238971.300	457501.000	3083883.600
σ		2043.945	5840.108	4022.775	2420.151	1587.798	4432.384	1845.311	7656.236
%RSD		0.429	0.858	0.240	0.438	0.305	0.358	0.403	0.248

CCB55 11/18/2011 05:02:01 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:03:09	8158.579	14.063	46.875	262.502	259852.960	7178.366	914.092	1007.848	14740.413
2	05:04:17	8325.863	15.625	43.750	295.316	260392.340	6402.997	854.713	1035.975	14594.952
3	05:05:25	8454.063	14.583	29.688	293.753	258640.630	4757.042	643.765	732.831	14457.312
x		8312.835	14.757	40.104	283.857	259628.640	6112.802	804.190	925.551	14597.559
σ		148.172	0.796	9.155	18.510	897.138	1236.472	142.069	167.492	141.569
%RSD		1.782	5.391	22.829	6.521	0.346	20.228	17.666	18.096	0.970
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:03:09	934.406	893.778	17909.657	137773.670	207375.570	28.125	942.219	68730.564	46.875
2	05:04:17	918.780	828.149	17853.336	138695.020	207673.600	37.500	871.902	68989.621	28.125
3	05:05:25	1025.037	750.020	17790.758	138029.240	204555.660	23.438	731.269	69333.467	48.438
x		959.407	823.982	17851.251	138165.980	206534.940	29.688	848.463	69017.884	41.146
σ		57.371	71.970	59.477	475.651	1720.575	7.160	107.410	302.443	11.303
%RSD		5.980	8.734	0.333	0.344	0.833	24.119	12.659	0.438	27.472
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:03:09	11712.612	631.264	3934.917	3525.435	739.082	48069.801	2192.356	196.876	110.938
2	05:04:17	11470.228	618.763	3884.903	3466.045	712.518	46357.908	2200.169	226.564	112.500
3	05:05:25	11320.108	562.511	3752.055	3320.698	565.636	44119.586	1984.513	135.938	89.063
x		11500.983	604.179	3857.292	3437.393	672.412	46182.432	2125.679	186.460	104.167
σ		198.051	36.623	94.506	105.333	93.419	1980.945	122.316	46.202	13.104
%RSD		1.722	6.062	2.450	3.064	13.893	4.289	5.754	24.779	12.580
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:03:09	353.129	159.376	96.875	182.814	54.688	54.688	258.857	23.438	17.188
2	05:04:17	370.317	153.126	101.563	193.230	51.563	51.563	252.086	17.188	17.708
3	05:05:25	254.690	106.250	92.188	192.189	71.875	71.875	259.898	13.021	22.396
x		326.045	139.584	96.875	189.411	59.375	59.375	256.947	17.882	19.097
σ		62.391	29.036	4.688	5.737	10.938	10.938	4.242	5.243	2.869
%RSD		19.136	20.802	4.839	3.029	18.421	18.421	1.651	29.320	15.021
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:03:09	109.375	115.625	137.501	81.250	243.752	1.563	184904.570	82.813	200.001
2	05:04:17	73.438	123.438	125.001	65.625	159.376	1.563	185559.860	101.563	189.064
3	05:05:25	51.563	62.500	71.875	54.688	145.313	0.000	183795.080	104.688	95.313
x		78.125	100.521	111.459	67.188	182.814	1.042	184753.170	96.354	161.459
σ		29.190	33.158	34.846	13.350	53.240	0.902	892.079	11.831	57.545
%RSD		37.363	32.986	31.263	19.870	29.123	86.603	0.483	12.279	35.641
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:03:09	3.125	3.125	175.001	39.063	379.693	848.463	151.563	264.065	457502.530
2	05:04:17	0.000	0.000	153.126	37.500	265.627	598.450	110.938	271.878	455401.020
3	05:05:25	0.000	0.000	93.750	20.313	215.627	484.383	109.375	148.438	458801.010
x		1.042	1.042	140.626	32.292	286.982	643.765	123.959	228.127	457234.850
σ		1.804	1.804	42.043	10.404	84.092	186.222	23.919	69.123	1715.724
%RSD		173.205	173.205	29.897	32.218	29.302	28.927	19.296	30.300	0.375
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	05:03:09	484326.290	418.756	1085.979	331.254	275.003	712.518	471834.120	1443.823	
2	05:04:17	483392.320	343.754	900.028	245.315	298.441	640.639	474126.940	1235.991	
3	05:05:25	481136.810	235.939	535.948	207.814	192.189	473.445	473616.680	795.335	
x		482951.810	332.817	840.652	261.461	255.211	608.867	473192.580	1158.383	
σ		1639.736	91.898	279.782	63.284	55.823	122.662	1203.805	331.137	
%RSD		0.340	27.612	33.282	24.204	21.873	20.146	0.254	28.586	

Reviewed By:mswat
On:11/22/2011 1:16:46 PM
Inst Id :P8

C4463-17 MH3B98 11/18/2011 05:09:55 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:11:03	7470.703	30.729	1009.411	1264.118	153214410.000	4531103.100	637470.300	758080.040	1713177.200
2	05:12:12	8003.804	34.896	979.721	1246.929	151805100.000	4546563.700	636539.520	748536.650	1705584.800
3	05:13:19	7874.044	43.229	1006.285	1318.811	153205170.000	4557545.800	643293.110	756678.920	1717859.800
x		7782.850	36.285	998.472	1276.620	152741560.000	4545070.900	639100.970	754431.870	1712207.300
σ		278.004	6.365	16.314	37.536	811007.070	13284.406	3660.202	5153.251	6194.715
%RSD		3.572	17.541	1.634	2.940	0.531	0.292	0.573	0.683	0.362

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:11:03	962178.140	46760.780	182372.330	735959.340	2839196.600	37745.111	624005.880	64769.935	13676.856
2	05:12:12	961580.470	46533.477	182997.440	750828.930	2841248.500	37981.674	623976.510	66278.393	13493.870
3	05:13:19	962962.830	47124.472	184026.150	763252.650	2865605.400	38213.541	624769.440	66845.087	13653.396
x		962240.480	46806.243	183131.970	750013.640	2848683.500	37980.109	624250.610	65964.472	13608.041
σ		693.287	298.109	835.077	13664.910	14690.681	234.219	449.559	1072.601	99.568
%RSD		0.072	0.637	0.456	1.822	0.516	0.617	0.072	1.626	0.732

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:11:03	121210.480	73519.946	29723.077	1156213.000	2357822.500	19307637.000	490283.800	6057.534	6306.079
2	05:12:12	126367.380	73449.271	31429.849	1155428.100	2363647.200	19257283.000	491415.460	6009.076	6329.527
3	05:13:19	127838.190	75304.204	32627.843	1175815.400	2398812.500	19403335.000	495756.970	5976.250	6345.159
x		125138.690	74091.140	31260.256	1162485.500	2373427.400	19322752.000	492485.410	6014.287	6326.922
σ		3480.503	1051.138	1459.790	11550.687	22176.214	74189.809	2889.204	40.892	19.670
%RSD		2.781	1.419	4.670	0.994	0.934	0.384	0.587	0.680	0.311

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:11:03	35434.517	17005.428	7170.549	16838.564	365.630	365.630	238.023	23.958	23.438
2	05:12:12	35758.761	16728.539	7104.891	16597.136	309.378	309.378	259.898	27.604	16.667
3	05:13:19	36231.825	16908.438	7330.005	16950.675	334.379	334.379	236.460	23.958	21.875
x		35808.368	16880.802	7201.815	16795.458	336.462	336.462	244.794	25.174	20.660
σ		400.962	140.498	115.768	180.669	28.183	28.183	13.104	2.105	3.545
%RSD		1.120	0.832	1.607	1.076	8.376	8.376	5.353	8.362	17.160

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:11:03	13123.212	4136.536	6251.368	2497.093	6593.709	1.563	164442.590	267.190	193.751
2	05:12:12	13038.760	3894.281	6060.660	2673.688	6842.263	1.563	167221.450	296.878	262.502
3	05:13:19	13174.822	4227.188	6346.722	2604.925	6789.113	6.250	165368.820	289.065	228.127
x		13112.265	4086.002	6219.583	2591.902	6741.695	3.125	165677.620	284.378	228.127
σ		68.689	172.111	145.655	89.015	130.886	2.706	1414.930	15.389	34.376
%RSD		0.524	4.212	2.342	3.434	1.941	86.603	0.854	5.412	15.069

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:11:03	85.938	85.938	175.001	104.688	1048.476	1539.145	115056.790	206322.990	436288.530
2	05:12:12	65.625	65.625	176.564	84.375	989.097	1376.629	114809.500	204828.270	444361.410
3	05:13:19	71.875	71.875	178.126	90.625	1029.725	1451.636	116877.730	207361.300	439804.860
x		74.479	74.479	176.564	93.229	1022.432	1455.804	115581.340	206170.850	440151.600
σ		10.404	10.404	1.563	10.404	30.354	81.338	1129.496	1273.348	4047.594
%RSD		13.969	13.969	0.885	11.159	2.969	5.587	0.977	0.618	0.920

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:11:03	460546.470	256.252	781.271	33285.607	27488.922	68966.070	431315.900	34870.632
2	05:12:12	469812.870	248.440	634.389	33030.328	27553.108	68920.539	436628.370	33550.288
3	05:13:19	466195.650	217.189	543.760	33525.229	27640.777	69963.088	432478.390	34800.148
x		465518.330	240.627	653.140	33280.388	27560.936	69283.232	433474.220	34407.023
σ		4670.184	20.670	119.861	247.492	76.230	589.212	2792.728	742.790
%RSD		1.003	8.590	18.351	0.744	0.277	0.850	0.644	2.159

Reviewed By:kaswal
On:11/22/2011 1:10:48 PM
Inst Id :P6

C4463-07 MH3B90 11/18/2011 05:17:50 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:18:59	7656.739	34.896	1057.852	1028.162	150425950.000	4558863.600	637377.220	757544.930	1831887.400
2	05:20:07	7770.863	33.333	1076.603	1070.353	151218190.000	4551085.100	636377.860	754086.140	1835226.400
3	05:21:15	7969.410	30.729	1078.166	1106.293	151034610.000	4534756.700	637857.320	753322.380	1828784.400
x		7799.004	32.986	1070.874	1068.269	150892920.000	4548235.100	637204.130	754984.480	1831966.100
σ		158.224	2.105	11.304	39.107	414688.100	12303.600	754.766	2250.055	3221.730
%RSD		2.029	6.381	1.056	3.661	0.275	0.271	0.118	0.298	0.176

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:18:59	1034997.600	46594.613	180264.580	718575.800	2876456.200	37901.775	621601.250	66344.323	14255.547
2	05:20:07	1031776.700	46611.857	182093.810	729220.360	2887669.100	36946.151	621828.000	65851.425	14518.311
3	05:21:15	1029908.200	46784.294	181207.650	728714.240	2857180.700	37331.526	621093.950	66009.967	14438.543
x		1032227.500	46663.588	181188.680	725503.460	2873768.600	37393.151	621507.730	66058.572	14404.134
σ		2574.489	104.889	914.763	6004.871	15420.870	480.783	375.853	251.621	134.719
%RSD		0.249	0.225	0.505	0.828	0.537	1.286	0.060	0.381	0.935

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:18:59	126531.320	75808.422	31779.058	1163835.200	2369132.400	19316877.000	489866.730	6024.708	6488.973
2	05:20:07	128850.350	75266.506	33019.366	1174909.200	2361434.100	19341679.000	494411.530	6096.613	6474.905
3	05:21:15	131101.950	75148.700	33168.147	1158374.900	2354659.000	19259935.000	492623.190	6057.534	6570.261
x		128827.870	75407.876	32655.523	1165706.400	2361741.800	19306164.000	492300.480	6059.618	6511.380
σ		2285.395	351.849	762.678	8424.510	7241.630	41911.871	2289.521	35.998	51.475
%RSD		1.774	0.467	2.336	0.723	0.307	0.217	0.465	0.594	0.791

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:18:59	38013.007	18120.861	7106.455	17166.558	325.004	325.004	238.544	23.438	30.208
2	05:20:07	38780.692	18023.863	7114.271	17272.415	342.192	342.192	253.648	28.125	17.708
3	05:21:15	38581.716	17965.978	7219.011	17168.122	375.005	375.005	233.856	19.792	23.958
x		38458.472	18036.900	7146.579	17202.365	347.400	347.400	242.016	23.785	23.958
σ		398.405	78.260	62.850	60.670	25.404	25.404	10.343	4.178	6.250
%RSD		1.036	0.434	0.879	0.353	7.313	7.313	4.274	17.564	26.087

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:18:59	12771.331	4419.434	6426.445	2829.968	7129.904	3.125	164875.670	281.253	171.876
2	05:20:07	12968.384	4586.674	6154.450	2753.390	7278.416	3.125	165620.140	267.190	212.502
3	05:21:15	12755.692	4170.921	6445.204	2801.837	7287.796	10.938	165969.470	300.003	165.626
x		12831.802	4392.343	6342.033	2795.065	7232.039	5.729	165488.430	282.815	183.335
σ		118.541	209.196	162.722	38.735	88.576	4.511	558.672	16.462	25.452
%RSD		0.924	4.763	2.566	1.386	1.225	78.730	0.338	5.821	13.883

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:18:59	51.563	51.563	200.001	64.063	889.090	1629.781	120477.760	214764.790	437011.700
2	05:20:07	70.313	70.313	160.938	90.625	940.656	1545.396	120781.880	216438.200	437979.740
3	05:21:15	76.563	76.563	189.064	56.250	814.086	1548.521	120934.720	215354.830	444055.230
x		66.146	66.146	183.335	70.313	881.277	1574.566	120731.460	215519.270	439682.220
σ		13.010	13.010	20.152	18.020	63.646	47.843	232.616	848.739	3817.941
%RSD		19.669	19.669	10.992	25.628	7.222	3.038	0.193	0.394	0.868

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:18:59	464597.970	221.877	503.134	34381.949	29012.242	72037.422	434019.390	36173.866
2	05:20:07	466741.160	182.814	492.196	34291.106	28464.267	71583.587	435534.800	36457.398
3	05:21:15	467146.280	200.001	496.884	34369.419	28498.710	71461.101	438442.040	35768.159
x		466161.810	201.564	497.404	34347.492	28658.407	71694.036	435998.740	36133.141
σ		1369.380	19.578	5.488	49.231	306.914	303.621	2247.528	346.420
%RSD		0.294	9.713	1.103	0.143	1.071	0.423	0.515	0.959

Reviewed By:jaswal
On:11/22/2011 1:16:48 PM
Inst Id :P6

C4463-08 MH3B90D 11/18/2011 05:25:46 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:26:55	7834.960	32.813	1106.293	1228.178	152307940.000	4559452.900	645065.730	762542.770	1825655.500
2	05:28:03	7653.612	32.813	1092.229	1128.170	153285980.000	4599845.500	642288.450	763254.300	1839964.600
3	05:29:11	7892.805	35.938	1059.414	1179.736	153665850.000	4599213.400	647340.220	762900.180	1841147.200
x		7793.793	33.854	1085.979	1178.695	153086590.000	4586170.600	644898.130	762899.080	1835589.100
σ		124.797	1.804	24.056	50.012	700570.050	23140.357	2530.056	355.765	8623.024
%RSD		1.601	5.329	2.215	4.243	0.458	0.505	0.392	0.047	0.470

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:26:55	1029086.400	46260.718	183143.030	710636.840	2887077.700	37785.843	625887.120	66259.556	14058.477
2	05:28:03	1031736.400	46616.560	184896.660	724754.610	2903190.900	38240.175	626464.750	65254.948	14296.212
3	05:29:11	1027781.700	46883.055	182244.150	724590.340	2906208.400	38154.008	630466.400	66218.742	14308.725
x		1029534.900	46586.778	183427.950	719993.930	2898825.600	38060.009	627606.090	65911.082	14221.138
σ		2015.148	312.235	1349.012	8103.896	10285.308	241.311	2493.883	568.595	141.008
%RSD		0.196	0.670	0.735	1.126	0.355	0.634	0.397	0.863	0.992

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:26:55	127650.590	75828.843	31788.453	1174108.200	2380768.200	19503011.000	496410.330	6088.797	6578.077
2	05:28:03	129925.650	75197.393	33346.687	1176226.900	2410981.200	19569555.000	495789.320	6270.126	6703.135
3	05:29:11	132275.190	75357.609	32742.166	1173346.100	2397509.100	19619453.000	496167.750	6476.468	6620.284
x		129950.480	75461.282	32625.769	1174560.400	2396419.500	19564006.000	496122.470	6278.464	6633.832
σ		2312.399	328.243	785.611	1492.730	15135.920	58419.145	312.975	193.970	63.620
%RSD		1.779	0.435	2.408	0.127	0.632	0.299	0.063	3.089	0.959

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:26:55	38783.825	18324.245	7414.424	17308.917	378.130	378.130	260.419	26.042	22.396
2	05:28:03	39322.795	18343.019	7656.739	17387.137	351.567	351.567	251.044	25.000	20.313
3	05:29:11	39824.182	17989.445	7492.589	17665.082	356.254	356.254	225.002	23.438	22.396
x		39310.267	18218.903	7521.251	17453.712	361.984	361.984	245.488	24.826	21.701
σ		520.291	198.938	123.674	187.183	14.178	14.178	18.351	1.311	1.203
%RSD		1.324	1.092	1.644	1.072	3.917	3.917	7.475	5.280	5.543

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:26:55	12790.098	4370.981	6448.330	2786.209	7092.385	0.000	165310.340	296.878	235.939
2	05:28:03	12896.444	4416.307	6295.137	2772.144	7187.745	3.125	165980.540	271.878	209.377
3	05:29:11	12940.233	4502.272	6509.295	2756.516	7304.992	0.000	166525.890	239.065	203.126
x		12875.592	4429.854	6417.587	2771.623	7195.041	1.042	165938.920	269.273	216.147
σ		77.209	66.685	110.339	14.853	106.491	1.804	608.847	28.995	17.423
%RSD		0.600	1.505	1.719	0.536	1.480	173.205	0.367	10.768	8.061

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:26:55	78.125	78.125	167.188	78.125	804.710	1432.884	121320.790	218018.210	440152.830
2	05:28:03	68.750	68.750	153.126	75.000	820.336	1486.015	121842.390	219106.540	442422.930
3	05:29:11	50.000	50.000	181.251	57.813	912.529	1493.828	120775.570	219982.350	442033.010
x		65.625	65.625	167.188	70.313	845.858	1470.909	121312.920	219035.700	441536.260
σ		14.321	14.321	14.063	10.938	58.265	33.161	533.451	983.986	1213.838
%RSD		21.822	21.822	8.411	15.556	6.888	2.254	0.440	0.449	0.275

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:26:55	466686.290	190.626	479.696	34612.192	28890.120	72373.489	433083.820	36971.216
2	05:28:03	465251.550	195.314	490.633	34372.552	28832.191	72142.638	433888.960	36935.186
3	05:29:11	467614.350	212.502	487.508	34707.736	29043.556	72093.956	434557.260	36048.550
x		466517.400	199.481	485.946	34564.160	28921.956	72203.361	433843.350	36651.651
σ		1190.419	11.518	5.634	172.677	109.220	149.332	737.775	522.611
%RSD		0.255	5.774	1.159	0.500	0.378	0.207	0.170	1.426

Reviewed By:jaswal
On:11/22/2011 1:18:48
Inst Id :P6

C4463-09 MH3B90S 11/18/2011 05:33:43 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:34:51	7925.635	1216.718	1103.168	1206.301	149548290.000	4518974.600	632227.670	749025.360	2129254.600
2	05:35:59	8025.691	1189.112	1071.915	1162.547	150497950.000	4529646.000	630170.970	745241.200	2126064.800
3	05:37:07	8055.396	1172.965	1085.979	1182.862	151268220.000	4550463.700	633796.510	747955.820	2135579.300
x		8002.241	1192.932	1087.021	1183.903	150438150.000	4533028.100	632065.050	747407.460	2130299.600
σ		67.984	22.126	15.652	21.895	861521.590	16014.673	1818.229	1950.766	4842.537
%RSD		0.850	1.855	1.440	1.849	0.573	0.353	0.288	0.261	0.227

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:34:51	1033460.900	45215.191	179525.680	1449747.000	2874947.500	36540.422	610240.920	66146.534	15283.171
2	05:35:59	1032870.400	45918.993	178375.460	1463636.900	2870264.400	36697.073	613393.600	66493.451	15710.196
3	05:37:07	1031021.900	45799.862	179051.020	1479482.400	2881358.600	36748.768	614009.870	66254.847	15409.869
x		1032451.100	45644.682	178984.050	1464288.800	2875526.800	36662.088	612548.130	66298.277	15467.745
σ		1272.423	376.689	578.023	14878.441	5574.752	108.490	2021.722	177.490	219.317
%RSD		0.123	0.825	0.323	1.016	0.194	0.296	0.330	0.268	1.418

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:34:51	438482.310	171866.720	61460.048	1208829.300	2675600.200	20017540.000	507792.260	307425.780	71272.663
2	05:35:59	449283.700	172630.530	64550.194	1204881.400	2677582.500	19982654.000	505874.420	308447.450	72871.323
3	05:37:07	451742.250	170845.200	65907.935	1215378.000	2705674.100	20047538.000	507439.420	308029.200	71077.946
x		446502.760	171780.820	63972.726	1209696.200	2686285.600	20015911.000	507035.370	307967.480	71740.644
σ		7053.848	895.761	2279.480	5301.750	16820.115	32472.490	1020.769	513.625	984.025
%RSD		1.580	0.521	3.563	0.438	0.626	0.162	0.201	0.167	1.372

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:34:51	121724.200	58888.312	67286.213	22446.266	1287.558	1287.558	2116.303	837.004	21.875
2	05:35:59	121216.790	59545.716	68658.343	22593.894	1275.057	1275.057	2091.299	790.647	28.646
3	05:37:07	122994.380	59195.829	68204.615	22652.842	1348.501	1348.501	2150.162	814.607	27.083
x		121978.460	59209.952	68049.724	22564.334	1303.705	1303.705	2119.254	814.086	25.868
σ		915.668	328.930	699.056	106.413	39.295	39.295	29.542	23.183	3.545
%RSD		0.751	0.556	1.027	0.472	3.014	3.014	1.394	2.848	13.705

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:34:51	12686.881	4713.277	6449.893	2925.300	7719.273	4.688	165721.310	932.843	28393.814
2	05:35:59	12517.982	4667.950	6739.089	3034.697	7573.882	7.813	164289.280	940.656	28741.383
3	05:37:07	12969.948	4708.588	6745.342	2947.179	7667.682	1.563	165460.500	871.902	28437.651
x		12724.937	4696.605	6644.775	2969.059	7653.612	4.688	165157.030	915.134	28524.283
σ		228.373	24.927	168.801	57.888	73.709	3.125	762.720	37.643	189.288
%RSD		1.795	0.531	2.540	1.950	0.963	66.667	0.462	4.113	0.664

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:34:51	495.321	495.321	27922.574	7331.568	1226.615	55992.328	340686.360	609443.890	438057.060
2	05:35:59	545.323	545.323	27841.166	7462.886	1179.736	56224.487	342262.430	611272.720	439643.760
3	05:37:07	479.696	479.696	27803.593	7492.589	1240.679	57553.200	342723.280	616957.890	439645.370
x		506.780	506.780	27855.778	7429.015	1215.677	56590.005	341890.690	612558.160	439115.400
σ		34.281	34.281	60.822	85.688	31.910	842.189	1068.133	3918.460	916.550
%RSD		6.765	6.765	0.218	1.153	2.625	1.488	0.312	0.640	0.209

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:34:51	461296.660	57768.127	142280.020	54839.431	46116.503	113443.960	433391.380	35108.714
2	05:35:59	462916.570	57655.172	141030.210	53840.329	46647.912	113393.570	432924.410	35111.846
3	05:37:07	461519.310	58712.591	141525.700	54447.310	46006.775	113683.360	431441.480	34927.019
x		461910.850	58045.297	141611.980	54375.690	46257.063	113506.960	432585.760	35049.193
σ		878.066	580.647	629.351	503.387	342.902	154.826	1018.105	105.817
%RSD		0.190	1.000	0.444	0.926	0.741	0.136	0.235	0.302

Reviewed By:bswat
On:11/22/2011 1:16:48 PM
Inst Id :P8

C4463-07LX5 MH3B90L 11/18/2011 05:41:40 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:42:48	7963.156	22.917	229.689	509.384	31803756.000	964979.850	132860.270	158681.110	391448.440
2	05:43:56	7905.312	18.750	246.877	473.445	31749945.000	972521.040	133200.920	157355.630	388908.590
3	05:45:04	7889.678	11.458	239.065	493.759	31557857.000	966895.260	134118.820	159697.020	392349.220
x		7919.382	17.708	238.544	492.196	31703853.000	968132.050	133393.340	158577.920	390902.080
σ		38.707	5.800	8.606	18.020	129267.110	3919.775	650.967	1174.102	1784.195
%RSD		0.489	32.752	3.608	3.661	0.408	0.405	0.488	0.740	0.456

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:42:48	213914.680	10003.501	50026.502	264322.920	772784.200	7839.651	128858.230	65462.142	2829.968
2	05:43:56	211145.820	10342.805	50700.748	265163.280	773855.550	7795.877	129039.550	66345.893	3048.763
3	05:45:04	213521.360	10191.134	49954.375	261121.080	766968.970	7805.257	130362.410	66620.604	2953.430
x		212860.620	10179.147	50227.209	263535.760	771202.910	7813.595	129420.060	66142.880	2944.054
σ		1498.027	169.969	411.680	2132.965	3705.616	23.047	821.118	605.326	109.698
%RSD		0.704	1.670	0.820	0.809	0.480	0.295	0.634	0.915	3.726

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:42:48	57247.287	17028.893	16963.190	247287.550	495538.650	4126767.900	103733.070	1489.140	1489.140
2	05:43:56	56221.350	16953.804	16675.352	245906.200	500447.590	4119188.100	104521.600	1501.641	1543.833
3	05:45:04	55361.752	16800.498	16522.049	246197.080	496172.600	4106880.900	104699.460	1364.128	1511.017
x		56276.796	16927.732	16720.197	246463.610	497386.280	4117612.300	104318.040	1451.636	1514.664
σ		943.989	116.408	223.964	728.225	2670.054	10036.675	514.346	76.042	27.528
%RSD		1.677	0.688	1.339	0.295	0.537	0.244	0.493	5.238	1.817

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:42:48	8219.551	3948.983	1612.591	3933.354	210.939	210.939	244.794	29.688	20.833
2	05:43:56	8074.156	3939.606	1525.081	3943.253	193.751	193.751	212.502	15.104	18.229
3	05:45:04	8302.412	3959.924	1643.845	3946.378	184.376	184.376	229.689	17.708	19.271
x		8198.707	3949.504	1593.839	3940.995	196.356	196.356	228.995	20.833	19.444
σ		115.547	10.169	61.562	6.799	13.472	13.472	16.157	7.778	1.311
%RSD		1.409	0.257	3.863	0.173	6.861	6.861	7.056	37.333	6.741

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:42:48	2590.860	923.467	1351.626	593.762	1565.711	9.375	174378.130	121.876	92.188
2	05:43:56	2661.185	882.840	1373.504	671.891	1501.641	3.125	175093.040	128.126	71.875
3	05:45:04	2626.804	995.347	1401.631	576.574	1468.826	1.563	174276.900	128.126	60.938
x		2626.283	933.885	1375.587	614.076	1512.059	4.688	174582.690	126.042	75.000
σ		35.166	56.973	25.067	50.802	49.276	4.134	444.866	3.608	15.858
%RSD		1.339	6.101	1.822	8.273	3.259	88.192	0.255	2.863	21.144

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:42:48	15.625	15.625	67.188	20.313	201.564	395.318	24727.632	44404.843	443320.430
2	05:43:56	7.813	7.813	50.000	17.188	210.939	307.816	25295.813	45067.852	445308.990
3	05:45:04	18.750	18.750	34.375	23.438	231.252	356.254	25056.329	44972.239	445615.190
x		14.063	14.063	50.521	20.313	214.585	353.129	25026.592	44814.978	444748.200
σ		5.634	5.634	16.413	3.125	15.176	43.835	285.255	358.390	1245.932
%RSD		40.062	40.062	32.487	15.385	7.072	12.413	1.140	0.800	0.280

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:42:48	469233.340	129.688	401.568	7181.492	5862.140	14799.850	452791.900	7315.935
2	05:43:56	470678.160	129.688	287.503	7239.334	5944.987	14859.286	451697.110	7530.109
3	05:45:04	470862.210	106.250	320.316	7072.063	5966.871	14989.109	452832.210	7461.323
x		470257.900	121.876	336.462	7164.296	5924.666	14882.749	452440.400	7435.789
σ		892.055	13.532	58.722	84.951	55.243	96.787	644.029	109.346
%RSD		0.190	11.103	17.453	1.186	0.932	0.650	0.142	1.471

Reviewed By Jaswal
On 11/22/2011 1:16:48 PM
Last Id: 28

C4463-17X25 MH3B98 11/18/2011 05:49:36 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:50:44	8124.184	14.063	51.563	346.879	6854229.500	203481.100	28099.483	32638.805	86225.059
2	05:51:53	8099.170	13.021	53.125	335.941	6855438.800	204839.370	27967.975	33024.064	86160.609
3	05:53:01	7908.438	12.500	40.625	320.316	6830229.500	202438.320	28096.352	33191.639	87352.188
x		8043.931	13.194	48.438	334.379	6846632.600	203585.260	28054.604	32951.503	86579.285
σ		118.005	0.796	6.811	13.350	14218.369	1203.975	75.038	283.470	670.128
%RSD		1.467	6.030	14.061	3.993	0.208	0.591	0.267	0.860	0.774

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:50:44	42024.220	2731.511	24045.219	164564.300	326523.830	1589.151	27993.024	66785.434	609.388
2	05:51:53	42347.047	2714.320	24319.120	163170.320	326819.540	1548.521	27312.021	67458.899	689.079
3	05:53:01	42155.857	2736.200	24696.328	163653.930	326531.830	1807.927	27739.405	66633.163	623.451
x		42175.708	2727.344	24353.556	163796.180	326625.070	1648.533	27681.484	66959.165	640.639
σ		162.326	11.520	326.918	707.793	168.469	139.526	344.177	439.428	42.535
%RSD		0.385	0.422	1.342	0.432	0.052	8.464	1.243	0.656	6.639

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:50:44	32906.606	3700.479	10514.806	54797.082	106330.180	930639.750	23383.184	334.379	390.630
2	05:51:53	32145.501	3923.976	10264.624	54379.867	104992.220	923884.220	23527.170	339.067	360.942
3	05:53:01	31340.590	3797.380	9883.105	54334.382	106065.730	936245.060	23624.205	309.378	325.004
x		32130.899	3807.278	10220.845	54503.777	105796.040	930256.340	23511.520	327.608	358.859
σ		783.110	112.077	318.118	255.026	708.580	6189.333	121.270	15.960	32.863
%RSD		2.437	2.944	3.112	0.468	0.670	0.665	0.516	4.872	9.158

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:50:44	1715.728	845.338	359.380	1080.249	150.001	150.001	244.273	15.104	18.229
2	05:51:53	1745.419	846.900	360.942	1104.730	126.563	126.563	243.752	15.625	20.833
3	05:53:01	1870.435	860.963	384.380	1080.770	125.001	125.001	241.669	15.625	21.354
x		1777.194	851.067	368.234	1088.583	133.855	133.855	243.231	15.451	20.139
σ		82.102	8.606	14.005	13.986	14.005	14.005	1.378	0.301	1.674
%RSD		4.620	1.011	3.803	1.285	10.463	10.463	0.567	1.946	8.313

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:50:44	551.573	187.501	285.940	98.438	325.004	3.125	181041.500	84.375	34.375
2	05:51:53	596.887	195.314	312.503	112.500	309.378	6.250	179259.870	106.250	45.313
3	05:53:01	601.575	140.626	282.815	107.813	260.940	7.813	180813.640	93.750	31.250
x		583.345	174.480	293.753	106.250	298.441	5.729	180371.670	94.792	36.979
σ		27.615	29.578	16.313	7.160	33.403	2.387	969.565	10.975	7.384
%RSD		4.734	16.952	5.553	6.739	11.193	41.660	0.538	11.578	19.968

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:50:44	6.250	6.250	26.563	7.813	67.188	103.125	5075.902	8876.194	451930.890
2	05:51:53	4.688	4.688	26.563	4.688	51.563	82.813	5088.406	8716.721	451039.310
3	05:53:01	4.688	4.688	14.063	10.938	75.000	89.063	5118.104	9015.344	451680.990
x		5.208	5.208	22.396	7.813	64.583	91.667	5094.137	8869.420	451550.400
σ		0.902	0.902	7.217	3.125	11.934	10.404	21.677	149.427	459.915
%RSD		17.321	17.321	32.224	40.000	18.478	11.349	0.426	1.685	0.102

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:50:44	477040.310	51.563	145.313	1440.698	1181.299	2978.436	465437.140	1546.959
2	05:51:53	476305.450	42.188	121.876	1484.452	1187.549	3148.785	466468.410	1486.015
3	05:53:01	477731.590	57.813	129.688	1450.074	1362.565	3058.140	464347.850	1498.516
x		477025.790	50.521	132.292	1458.408	1243.804	3061.787	465417.800	1510.497
σ		713.182	7.864	11.934	23.037	102.897	85.233	1060.411	32.190
%RSD		0.150	15.567	9.021	1.580	8.273	2.784	0.228	2.131

Reviewed By lbswift On 11/22/2011 1:10:48 PM Inst Id :P8

C4463-07X25 MH3B90 11/18/2011 05:57:33 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:58:41	8216.425	11.458	56.250	328.129	6643735.600	199367.460	27330.807	32609.050	90952.677
2	05:59:49	8050.705	11.458	64.063	295.316	6649290.600	199910.910	27607.901	32380.406	91506.195
3	06:00:57	8128.875	10.938	59.375	281.253	6693387.300	200802.980	27744.102	32555.804	91199.556
x		8132.002	11.285	59.896	301.566	6662137.800	200027.110	27560.937	32515.086	91219.476
σ		82.904	0.301	3.932	24.055	27204.998	724.782	210.612	119.637	277.296
%RSD		1.019	2.665	6.565	7.977	0.408	0.362	0.764	0.368	0.304

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:58:41	44321.773	2734.637	24117.215	157159.740	322978.980	1729.792	27451.350	67268.944	581.262
2	05:59:49	44349.986	2537.725	24073.391	158145.530	323172.340	1571.962	26881.518	67502.856	596.887
3	06:00:57	43795.153	2742.451	24212.689	158679.530	322777.630	1620.404	26786.026	66757.177	623.451
x		44155.637	2671.604	24134.432	157994.930	322976.320	1640.719	27039.631	67176.326	600.533
σ		312.507	116.008	71.227	771.004	197.370	80.853	359.741	381.370	21.330
%RSD		0.708	4.342	0.295	0.488	0.061	4.926	1.330	0.568	3.552

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:58:41	27853.690	3788.002	8882.448	53330.610	102541.700	916371.160	22826.034	329.691	392.193
2	05:59:49	27503.012	3658.281	9016.907	52559.008	103437.190	918777.980	22605.371	331.254	393.755
3	06:00:57	27363.682	3719.234	8624.478	53573.704	102883.210	920182.980	23156.252	329.691	364.067
x		27573.461	3721.839	8841.278	53154.441	102954.030	918441.040	22862.552	330.212	383.338
σ		252.486	64.900	199.428	529.791	451.923	1927.727	277.250	0.902	16.708
%RSD		0.916	1.744	2.256	0.997	0.439	0.210	1.213	0.273	4.358

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:58:41	1882.937	865.651	393.755	1063.581	106.250	106.250	239.065	19.792	17.708
2	05:59:49	1878.249	846.900	404.693	1081.291	98.438	98.438	241.669	16.146	18.229
3	06:00:57	1809.490	873.464	371.880	1025.558	140.626	140.626	251.044	16.146	26.042
x		1856.892	862.005	390.110	1056.810	115.105	115.105	243.926	17.361	20.660
σ		41.118	13.652	16.708	28.477	22.444	22.444	6.301	2.105	4.668
%RSD		2.214	1.584	4.283	2.695	19.499	19.499	2.583	12.124	22.596

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:58:41	565.636	210.939	243.752	164.063	268.753	1.563	179482.960	84.375	14.063
2	05:59:49	526.572	173.439	315.628	115.625	346.879	0.000	179951.290	107.813	25.000
3	06:00:57	610.951	185.939	275.003	117.188	292.190	4.688	179533.590	71.875	17.188
x		567.720	190.105	278.128	132.292	302.607	2.083	179655.940	88.021	18.750
σ		42.228	19.094	36.040	27.526	40.092	2.387	257.028	18.244	5.634
%RSD		7.438	10.044	12.958	20.807	13.249	114.564	0.143	20.727	30.046

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:58:41	7.813	7.813	10.938	3.125	48.438	101.563	5163.433	9290.520	453517.500
2	05:59:49	3.125	3.125	18.750	6.250	78.125	90.625	5346.313	9043.487	454730.150
3	06:00:57	7.813	7.813	10.938	9.375	65.625	120.313	5008.690	9301.465	450167.120
x		6.250	6.250	13.542	6.250	64.063	104.167	5172.812	9211.824	452804.930
σ		2.706	2.706	4.511	3.125	14.905	15.014	169.005	145.887	2363.501
%RSD		43.301	43.301	33.309	50.000	23.267	14.414	3.267	1.584	0.522

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:58:41	476518.640	46.875	121.876	1511.017	1265.681	3181.604	462877.840	1442.260
2	05:59:49	480631.150	34.375	118.750	1540.708	1240.679	3125.342	462814.910	1393.818
3	06:00:57	473584.380	50.000	112.500	1539.145	1229.740	3045.637	460948.180	1509.455
x		476911.390	43.750	117.709	1530.290	1245.367	3117.528	462213.650	1448.511
σ		3539.762	8.268	4.774	16.709	18.423	68.320	1096.377	58.071
%RSD		0.742	18.898	4.055	1.092	1.479	2.191	0.237	4.009

Reviewed By tasweil
On 11/22/2011 1:16:48 PM
Inst Id :P6

C4463-08X25 MH3B90D 11/18/2011 06:05:30 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:06:39	7930.326	17.188	50.000	318.754	6743874.800	202522.310	27974.238	32760.959	91580.104
2	06:07:47	7999.114	16.667	54.688	301.566	6664176.300	200307.020	28149.582	33024.064	90529.691
3	06:08:55	7656.739	12.500	73.438	318.754	6702983.400	203531.810	28069.737	32560.502	90617.747
x		7862.059	15.451	59.375	313.024	6703678.200	202120.380	28064.519	32781.842	90909.181
σ		181.109	2.569	12.402	9.923	39853.765	1649.537	87.788	232.486	582.703
%RSD		2.304	16.628	20.886	3.170	0.595	0.816	0.313	0.709	0.641

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:06:39	44619.573	2720.572	24387.987	155494.800	323870.700	1625.092	27343.331	67089.981	632.827
2	06:07:47	43506.774	2719.009	24145.388	157257.690	322769.640	1673.536	27675.219	67308.191	578.137
3	06:08:55	44152.500	2734.637	24675.981	157504.130	325289.910	1632.906	27044.325	67400.814	657.828
x		44092.949	2724.739	24403.118	156752.200	323976.750	1643.845	27354.291	67266.329	622.930
σ		558.785	8.607	265.620	1095.896	1263.477	26.008	315.590	159.589	40.757
%RSD		1.267	0.316	1.088	0.699	0.390	1.582	1.154	0.237	6.543

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:06:39	25430.427	3697.353	7895.932	53327.473	104200.520	915763.690	22860.464	329.691	393.755
2	06:07:47	24967.111	3767.684	8000.677	53877.971	103604.010	917153.420	23068.611	282.815	357.817
3	06:08:55	24747.980	3786.439	7589.516	53189.460	103511.160	917611.140	22833.859	298.441	304.691
x		25048.506	3750.492	7828.708	53464.968	103771.890	916842.750	22920.978	303.649	352.088
σ		348.428	46.965	213.665	364.267	374.089	962.110	128.544	23.868	44.808
%RSD		1.391	1.252	2.729	0.681	0.360	0.105	0.561	7.860	12.726

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:06:39	1809.490	903.154	353.129	1012.536	106.250	106.250	251.565	16.146	15.104
2	06:07:47	1823.554	859.401	407.818	1054.206	98.438	98.438	252.086	22.917	20.313
3	06:08:55	1875.123	912.529	379.693	1076.082	110.938	110.938	257.815	19.271	17.708
x		1836.056	891.695	380.213	1047.608	105.209	105.209	253.822	19.444	17.708
σ		34.557	28.357	27.348	32.283	6.315	6.315	3.468	3.389	2.604
%RSD		1.882	3.180	7.193	3.082	6.002	6.002	1.366	17.428	14.706

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:06:39	546.885	193.751	260.940	115.625	310.941	3.125	179554.150	82.813	32.813
2	06:07:47	543.760	203.126	317.191	131.251	357.817	4.688	180267.740	112.500	14.063
3	06:08:55	559.386	237.502	290.628	139.063	326.566	4.688	179707.630	98.438	20.313
x		550.011	211.460	289.586	128.646	331.775	4.167	179843.180	97.917	22.396
σ		8.268	23.035	28.140	11.934	23.868	0.902	375.610	14.851	9.547
%RSD		1.503	10.893	9.717	9.277	7.194	21.651	0.209	15.167	42.629

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:06:39	6.250	6.250	14.063	6.250	50.000	101.563	5127.483	8993.455	450766.840
2	06:07:47	1.563	1.563	7.813	4.688	78.125	84.375	5355.691	9085.701	450984.490
3	06:08:55	6.250	6.250	7.813	1.563	78.125	87.500	5305.673	9157.622	452042.140
x		4.688	4.688	9.896	4.167	68.750	91.146	5262.949	9078.926	451264.490
σ		2.706	2.706	3.608	2.387	16.238	9.155	119.953	82.293	682.201
%RSD		57.735	57.735	36.464	57.282	23.619	10.045	2.279	0.906	0.151

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:06:39	472378.230	31.250	92.188	1493.828	1246.929	3289.441	462506.730	1532.895
2	06:07:47	474958.580	37.500	90.625	1556.335	1181.299	3155.036	466988.100	1578.212
3	06:08:55	478605.440	29.688	78.125	1536.020	1234.428	3080.020	462977.880	1445.386
x		475314.080	32.813	86.979	1528.728	1220.886	3174.832	464157.570	1518.831
σ		3128.788	4.134	7.708	31.885	34.848	106.105	2462.605	67.521
%RSD		0.658	12.599	8.861	2.086	2.854	3.342	0.531	4.446

Reviewed By jaswal On 11/22/2011 1:18:48 PM Inst Id -PE

C4463-09X25 MH3B90S 11/18/2011 06:13:29 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:14:37	8013.184	63.021	45.313	326.566	6508014.200	195956.690	27095.985	32034.314	109143.470
2	06:15:45	8006.931	65.104	54.688	300.003	6581793.800	199538.570	26858.036	32894.077	109466.240
3	06:16:53	8127.311	61.458	43.750	332.816	6525829.800	195559.110	26894.041	32195.614	109255.260
x		8049.142	63.195	47.917	319.795	6538545.900	197018.120	26949.354	32374.668	109288.320
σ		67.769	1.829	5.916	17.423	38498.445	2191.807	128.256	456.994	163.905
%RSD		0.842	2.894	12.345	5.448	0.589	1.112	0.476	1.412	0.150
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:14:37	44309.234	2664.311	23732.196	180365.850	321491.290	1639.157	26599.741	66998.930	660.953
2	06:15:45	44512.991	2592.423	23747.847	183549.770	322320.610	1637.594	26294.489	67132.367	728.144
3	06:16:53	44334.312	2634.618	23821.407	185480.720	321625.510	1634.469	26466.682	66619.035	675.016
x		44385.513	2630.450	23767.150	183132.110	321812.470	1637.073	26453.637	66916.777	688.037
σ		111.110	36.125	47.635	2582.886	445.146	2.387	153.043	266.344	35.438
%RSD		0.250	1.373	0.200	1.410	0.138	0.146	0.579	0.398	5.151
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:14:37	35763.460	7655.176	8439.992	55038.632	116143.650	942741.150	23718.110	13515.766	3175.353
2	06:15:45	36083.012	7694.259	8544.742	54850.411	115817.580	936386.720	23650.811	13234.252	3192.544
3	06:16:53	35699.237	7769.300	8576.011	54635.527	115819.160	937681.720	23275.195	13470.410	3172.227
x		35848.570	7706.245	8520.248	54841.523	115926.800	938936.530	23548.039	13406.809	3180.041
σ		205.557	57.998	71.241	201.700	187.803	3357.917	238.674	151.150	10.940
%RSD		0.573	0.753	0.836	0.368	0.162	0.358	1.014	1.127	0.344
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:14:37	5507.311	2570.544	2951.867	1151.088	129.688	129.688	327.087	52.083	18.750
2	06:15:45	5530.758	2714.320	3111.276	1206.301	151.563	151.563	330.733	55.208	16.146
3	06:16:53	5654.244	2740.888	3028.446	1157.339	131.251	131.251	337.504	57.813	23.438
x		5564.104	2675.251	3030.530	1171.576	137.501	137.501	331.775	55.035	19.444
σ		78.938	91.647	79.725	30.235	12.204	12.204	5.286	2.869	3.695
%RSD		1.419	3.426	2.631	2.581	8.875	8.875	1.593	5.212	19.003
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:14:37	587.512	192.189	285.940	139.063	312.503	1.563	180035.150	137.501	1217.239
2	06:15:45	529.697	204.689	292.190	139.063	346.879	0.000	181407.030	123.438	1278.182
3	06:16:53	587.512	200.001	285.940	128.126	332.816	6.250	181141.190	123.438	1262.556
x		568.240	198.960	288.024	135.417	330.733	2.604	180861.120	128.126	1252.659
σ		33.379	6.315	3.609	6.315	17.282	3.253	727.558	8.119	31.654
%RSD		5.874	3.174	1.253	4.663	5.225	124.900	0.402	6.337	2.527
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:14:37	28.125	28.125	1179.736	342.192	70.313	2403.327	14504.234	26408.762	448904.880
2	06:15:45	18.750	18.750	1234.428	318.754	62.500	2370.509	14795.157	26300.751	454135.100
3	06:16:53	18.750	18.750	1167.235	321.879	60.938	2476.777	14582.439	26422.851	454876.900
x		21.875	21.875	1193.800	327.608	64.583	2416.871	14627.277	26377.455	452638.960
σ		5.413	5.413	35.736	12.726	5.023	54.413	150.555	66.800	3255.009
%RSD		24.744	24.744	2.993	3.885	7.777	2.251	1.029	0.253	0.719
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	06:14:37	478771.810	2515.847	5987.192	2298.622	1904.815	4911.782	467591.750	1561.023	
2	06:15:45	479248.340	2464.275	6213.851	2434.582	1937.631	4828.941	463111.810	1492.265	
3	06:16:53	475320.320	2365.821	6238.862	2448.647	2029.832	4871.143	460962.700	1401.631	
x		477780.160	2448.648	6146.635	2393.951	1957.426	4870.622	463888.750	1484.973	
σ		2143.565	76.224	138.647	82.856	64.817	41.423	3382.131	79.946	
%RSD		0.449	3.113	2.256	3.461	3.311	0.850	0.729	5.384	

Reviewed By:aswal :)
On:11/22/2011 1:16:48 PM
Inst Id :P8

C4463-07LX125 MH3B90L 11/18/2011 06:21:27 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:22:35	8291.468	9.375	12.500	300.003	1569017.200	42143.321	5754.284	6865.712	29514.833
2	06:23:43	8174.213	11.458	14.063	273.440	1570848.300	41941.164	5668.312	6700.008	29150.023
3	06:24:51	8138.255	11.458	15.625	234.377	1569457.100	42268.690	5819.935	6751.595	29403.667
x		8201.312	10.764	14.063	269.273	1569774.200	42117.725	5747.510	6772.438	29356.174
σ		80.121	1.203	1.563	33.011	955.839	165.256	76.038	84.795	186.985
%RSD		0.977	11.175	11.111	12.259	0.061	0.392	1.323	1.252	0.637

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:22:35	9440.618	1137.545	18488.519	136562.120	229189.470	335.941	5959.055	69471.636	150.001
2	06:23:43	9278.012	1164.110	18710.683	139281.940	231077.330	343.754	6005.950	67925.163	195.314
3	06:24:51	10025.392	1192.237	19009.514	136808.210	231431.430	353.129	5894.966	68975.491	153.126
x		9581.341	1164.631	18736.239	137550.750	230566.080	344.275	5953.324	68790.763	166.147
σ		393.060	27.350	261.436	1504.290	1205.252	8.606	55.713	789.612	25.308
%RSD		4.102	2.348	1.395	1.094	0.523	2.500	0.936	1.148	15.232

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:22:35	18368.051	1220.365	5890.277	13371.880	20959.114	220066.440	6105.992	90.625	110.938
2	06:23:43	17676.554	1135.983	5907.471	13279.607	21344.058	220467.870	6034.087	76.563	92.188
3	06:24:51	17471.615	1184.424	5785.546	13165.439	20655.547	220215.590	6220.104	106.250	135.938
x		17838.740	1180.257	5861.098	13272.309	20986.240	220249.970	6120.061	91.146	113.021
σ		469.710	42.345	65.992	103.414	345.056	202.912	93.803	14.851	21.949
%RSD		2.633	3.588	1.126	0.779	1.644	0.092	1.533	16.293	19.421

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:22:35	498.446	239.065	143.751	372.401	84.375	84.375	251.565	16.667	17.708
2	06:23:43	479.696	207.814	153.126	395.839	89.063	89.063	251.044	20.313	15.625
3	06:24:51	510.947	214.064	164.063	378.130	76.563	76.563	229.169	19.271	16.667
x		496.363	220.314	153.647	382.123	83.334	83.334	243.926	18.750	16.667
σ		15.729	16.536	10.166	12.219	6.315	6.315	12.783	1.878	1.042
%RSD		3.169	7.506	6.617	3.198	7.578	7.578	5.240	10.015	6.250

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:22:35	118.750	42.188	57.813	39.063	96.875	9.375	183746.010	76.563	14.063
2	06:23:43	125.001	45.313	57.813	26.563	62.500	6.250	184114.780	62.500	4.688
3	06:24:51	137.501	42.188	76.563	32.813	56.250	4.688	184423.410	95.313	10.938
x		127.084	43.229	64.063	32.813	71.875	6.771	184094.730	78.125	9.896
σ		9.547	1.804	10.825	6.250	21.875	2.387	339.142	16.462	4.774
%RSD		7.512	4.174	16.898	19.048	30.435	35.251	0.184	21.071	48.238

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:22:35	1.563	1.563	15.625	1.563	37.500	37.500	976.596	1798.551	462671.310
2	06:23:43	0.000	0.000	9.375	1.563	29.688	53.125	1039.100	1834.493	457136.400
3	06:24:51	0.000	0.000	12.500	1.563	35.938	29.688	1021.912	1840.744	461195.020
x		0.521	0.521	12.500	1.563	34.375	40.104	1012.536	1824.596	460334.240
σ		0.902	0.902	3.125	0.000	4.134	11.934	32.290	22.771	2866.098
%RSD		173.205	173.205	25.000	0.000	12.026	29.757	3.189	1.248	0.623

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:22:35	485672.420	29.688	95.313	328.129	285.940	650.015	474123.710	334.379
2	06:23:43	481949.460	23.438	81.250	332.816	284.378	709.393	470637.800	306.253
3	06:24:51	481340.370	39.063	92.188	370.317	315.628	792.209	472318.490	320.316
x		482987.420	30.729	89.584	343.754	295.316	717.206	472360.000	320.316
σ		2345.136	7.864	7.384	23.123	17.609	71.419	1743.325	14.063
%RSD		0.486	25.593	8.243	6.727	5.963	9.958	0.369	4.390

Reviewed By:aswal
On:11/22/2011 4:16:48 PM
Inst Id :P6

CCV56 11/18/2011 06:29:23 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:30:31	7942.833	13129.468	2201.732	350.004	12489144.000	9576225.100	1348708.100	1593911.600	2253657.500
2	06:31:39	7905.312	13005.918	2189.230	342.192	12466264.000	9527196.900	1340031.800	1586767.100	2243923.100
3	06:32:47	7783.370	13196.196	2179.854	303.128	12455833.000	9503389.900	1342321.600	1584089.900	2236663.500
x		7877.171	13110.527	2190.272	331.775	12470414.000	9535604.000	1343687.200	1588256.200	2244748.100
σ		83.373	96.543	10.976	25.114	17038.655	37138.297	4496.483	5077.357	8526.999
%RSD		1.058	0.736	0.501	7.570	0.137	0.389	0.335	0.320	0.380

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:30:31	25970.460	135533.640	29532.056	128068.370	7974903.000	38009.874	623038.440	66546.824	19916.999
2	06:31:39	26108.211	134576.220	29073.304	130212.620	7905103.100	37922.141	625286.660	66821.539	19741.756
3	06:32:47	25864.017	133677.210	29315.987	127365.250	7937715.800	37590.015	620545.890	66097.872	19834.072
x		25980.896	134595.690	29307.116	128548.740	7939240.700	37840.677	622957.000	66488.745	19830.942
σ		122.431	928.369	229.505	1483.224	34924.927	221.467	2371.436	365.313	87.663
%RSD		0.471	0.690	0.783	1.154	0.440	0.585	0.381	0.549	0.442

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:30:31	317655.340	284146.480	38263.675	1085321.700	830219.620	17814563.000	456629.960	355346.450	78479.036
2	06:31:39	313184.810	282670.760	39004.738	1086040.500	827698.190	17853882.000	455794.530	354396.730	77588.252
3	06:32:47	315655.490	283456.410	38042.774	1079590.600	827653.520	17802939.000	453696.490	353893.860	77085.542
x		315498.540	283424.550	38437.062	1083650.900	828523.780	17823795.000	455373.660	354545.680	77717.610
σ		2239.395	738.376	503.876	3534.678	1468.813	26696.525	1511.341	737.659	705.696
%RSD		0.710	0.261	1.311	0.326	0.177	0.150	0.332	0.208	0.908

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:30:31	395708.750	190777.920	143106.960	62964.495	3458.231	3458.231	11506.194	4787.781	15.104
2	06:31:39	392861.450	189869.050	142865.500	62497.869	3472.297	3472.297	11450.942	4818.521	18.229
3	06:32:47	392591.680	189120.160	142115.890	62722.810	3526.998	3526.998	11438.432	4744.017	16.146
x		393720.630	189922.380	142696.120	62728.392	3485.842	3485.842	11465.189	4783.440	16.493
σ		1727.040	830.166	516.791	233.363	36.329	36.329	36.058	37.441	1.591
%RSD		0.439	0.437	0.362	0.372	1.042	1.042	0.315	0.783	9.648

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:30:31	63643.013	112552.580	122034.640	71779.880	185303.440	7.813	176393.270	7415.987	354391.920
2	06:31:39	64818.593	112245.490	119363.780	71278.944	183791.910	0.000	175635.580	7390.974	353227.680
3	06:32:47	63501.761	112757.310	120085.420	70930.340	183964.420	3.125	176424.900	7053.303	353394.220
x		63987.789	112518.460	120494.610	71329.722	184353.260	3.646	176151.250	7286.755	353671.270
σ		722.955	257.610	1381.650	427.040	827.389	3.932	446.864	202.561	629.631
%RSD		1.130	0.229	1.147	0.599	0.449	107.855	0.254	2.780	0.178

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:30:31	5527.632	5527.632	347588.740	84230.399	232282.580	361230.350	329799.360	587545.120	454302.810
2	06:31:39	5504.185	5504.185	346538.690	83834.330	230594.620	357348.600	331423.810	586353.890	453757.770
3	06:32:47	5447.914	5447.914	348136.210	83254.390	232450.910	358327.350	329693.840	587416.550	449396.550
x		5493.244	5493.244	347421.210	83773.040	231776.040	358968.760	330305.670	587105.190	452485.710
σ		40.970	40.970	811.829	490.882	1026.590	2018.803	969.775	653.808	2689.138
%RSD		0.746	0.746	0.234	0.586	0.443	0.562	0.294	0.111	0.594

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:30:31	476781.890	672564.780	1659519.100	545700.730	517767.460	1222221.900	460138.310	3048525.200
2	06:31:39	477405.330	672681.000	1645375.800	544908.840	516845.920	1211645.700	457404.140	3048630.500
3	06:32:47	475770.890	672185.020	1646578.200	543472.850	513893.790	1213873.500	452961.200	3014763.100
x		476652.700	672476.940	1650491.100	544694.140	516169.060	1215913.700	456834.550	3037306.200
σ		824.844	259.399	7841.618	1129.348	2023.595	5575.459	3622.300	19523.033
%RSD		0.173	0.039	0.475	0.207	0.392	0.459	0.793	0.643

Reviewed By jaswal
On:11/22/2011 1:18:48 PM
Inst Id 3P6

CCB56 11/18/2011 06:37:18 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:38:26	8152.326	10.938	25.000	239.065	263371.200	2987.812	370.317	440.632	13889.561
2	06:39:34	8208.608	17.708	32.813	226.564	263358.470	3428.536	479.696	537.510	13764.440
3	06:40:42	8199.227	11.979	29.688	296.878	264402.490	3095.648	428.131	429.694	13850.461
x		8186.720	13.542	29.167	254.169	263710.720	3170.666	426.048	469.279	13834.821
σ		30.154	3.646	3.932	37.512	599.124	229.739	54.719	59.343	64.010
%RSD		0.368	26.923	13.482	14.759	0.227	7.246	12.843	12.646	0.463

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:38:26	896.903	770.333	16874.022	131940.870	204233.920	25.000	592.200	68061.749	43.750
2	06:39:34	946.906	770.333	17143.092	132978.550	204546.150	28.125	745.332	67810.558	48.438
3	06:40:42	765.646	782.834	17233.826	134565.180	203904.260	18.750	628.139	68272.124	39.063
x		869.818	774.500	17083.647	133161.530	204228.110	23.958	655.224	68048.144	43.750
σ		93.617	7.217	187.123	1321.689	320.985	4.774	80.078	231.083	4.688
%RSD		10.763	0.932	1.095	0.993	0.157	19.924	12.222	0.340	10.714

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:38:26	12788.534	454.695	4320.966	3251.933	440.632	40150.092	1892.313	89.063	64.063
2	06:39:34	12788.534	520.322	4049.011	3337.890	504.696	42246.750	1867.310	115.625	71.875
3	06:40:42	12399.129	506.259	4164.670	3136.282	373.442	40989.972	2007.954	59.375	78.125
x		12658.732	493.759	4178.216	3242.035	439.590	41128.938	1922.525	88.021	71.354
σ		224.823	34.553	136.482	101.168	65.633	1055.215	75.032	28.140	7.046
%RSD		1.776	6.998	3.267	3.121	14.931	2.566	3.903	31.969	9.874

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:38:26	226.564	104.688	89.063	185.939	65.625	65.625	255.211	15.104	17.188
2	06:39:34	243.752	118.750	82.813	183.335	51.563	51.563	251.565	14.063	19.792
3	06:40:42	231.252	70.313	67.188	182.814	64.063	64.063	275.003	22.396	18.229
x		233.856	97.917	79.688	184.029	60.417	60.417	260.593	17.188	18.403
σ		8.885	24.919	11.267	1.674	7.708	7.708	12.612	4.541	1.311
%RSD		3.799	25.449	14.139	0.910	12.757	12.757	4.840	26.418	7.122

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:38:26	51.563	106.250	84.375	46.875	148.438	7.813	185752.970	92.188	60.938
2	06:39:34	51.563	60.938	57.813	59.375	131.251	3.125	184296.790	76.563	87.500
3	06:40:42	57.813	76.563	84.375	34.375	84.375	0.000	186257.920	93.750	76.563
x		53.646	81.250	75.521	46.875	121.355	3.646	185435.890	87.500	75.000
σ		3.608	23.017	15.336	12.500	33.158	3.932	1018.287	9.504	13.350
%RSD		6.726	28.329	20.307	26.667	27.323	107.855	0.549	10.862	17.800

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:38:26	1.563	1.563	87.500	9.375	268.753	665.641	37.500	70.313	457099.300
2	06:39:34	0.000	0.000	68.750	20.313	189.064	543.760	62.500	114.063	460248.010
3	06:40:42	0.000	0.000	43.750	14.063	182.814	375.005	54.688	100.000	461353.130
x		0.521	0.521	66.667	14.583	213.543	528.135	51.563	94.792	459566.820
σ		0.902	0.902	21.949	5.487	47.915	145.946	12.790	22.335	2207.213
%RSD		173.205	173.205	32.924	37.627	22.438	27.634	24.804	23.562	0.480

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:38:26	483448.870	154.688	407.818	129.688	131.251	239.065	472542.920	437.507
2	06:39:34	484769.060	151.563	396.881	125.001	123.438	312.503	475880.710	532.822
3	06:40:42	485058.320	160.938	314.066	137.501	118.750	276.565	473708.720	467.195
x		484425.420	155.730	372.922	130.730	124.480	276.044	474044.110	479.175
σ		857.992	4.774	51.263	6.315	6.315	36.722	1693.981	48.774
%RSD		0.177	3.065	13.746	4.830	5.073	13.303	0.357	10.179

C4463-10 MH3B91 11/18/2011 06:45:14 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:46:22	7910.002	47.917	1057.852	935.968	124804490.000	5287816.200	746093.370	873301.240	2690255.700
2	06:47:30	7820.890	32.813	1062.540	1015.661	125376820.000	5311933.900	744828.290	882683.590	2686735.900
3	06:48:38	7745.849	40.625	1059.414	954.719	126344720.000	5368526.400	754897.670	887774.010	2720031.000
x		7825.581	40.451	1059.935	968.783	125503680.000	5322758.900	748606.440	881252.950	2699007.600
σ		82.177	7.554	2.387	41.666	778538.480	41429.686	5484.957	7341.685	18291.720
%RSD		1.050	18.673	0.225	4.301	0.620	0.778	0.733	0.833	0.678

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:46:22	1494109.300	30662.559	42688.686	676087.880	4385452.200	41123.166	678087.180	67810.558	20990.410
2	06:47:30	1501118.200	30784.696	42495.925	686695.020	4423279.100	41148.238	682861.410	68692.884	20993.539
3	06:48:38	1516389.800	31611.499	43256.014	699431.780	4453320.900	41051.085	681803.250	67479.308	21431.689
x		1503872.400	31019.585	42813.542	687404.890	4420684.100	41107.497	680917.280	67994.250	21138.546
σ		11392.793	516.238	395.127	11688.132	34008.701	50.437	2507.391	627.295	253.874
%RSD		0.758	1.664	0.923	1.700	0.769	0.123	0.368	0.923	1.201

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:46:22	97097.611	97578.999	30877.083	1795865.000	4502839.200	29705249.000	754654.040	9686.095	8854.306
2	06:47:30	104213.110	97970.729	33315.364	1809066.600	4570087.700	30078186.000	765250.720	10352.187	8705.777
3	06:48:38	107811.540	98233.461	34565.203	1822813.700	4603216.500	30066093.000	762933.120	9989.429	8783.950
x		103040.750	97927.730	32919.217	1809248.500	4558714.500	29949843.000	760945.960	10009.237	8781.344
σ		5452.327	329.343	1875.702	13475.253	51146.011	211910.610	5570.816	333.487	74.299
%RSD		5.291	0.336	5.698	0.745	1.122	0.708	0.732	3.332	0.846

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:46:22	45118.010	21805.692	10586.734	13470.410	275.003	275.003	242.710	23.438	28.125
2	06:47:30	45835.915	22067.030	10485.096	13698.231	306.253	306.253	240.627	24.479	18.750
3	06:48:38	46629.101	22076.420	10389.714	13983.924	307.816	307.816	265.107	21.875	31.250
x		45861.008	21983.047	10487.181	13717.522	296.357	296.357	249.481	23.264	26.042
σ		755.858	153.666	98.526	257.300	18.510	18.510	13.572	1.311	6.505
%RSD		1.648	0.699	0.939	1.876	6.246	6.246	5.440	5.634	24.980

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:46:22	9268.631	4372.544	5888.713	2736.200	7186.182	3.125	164902.540	226.564	214.064
2	06:47:30	9451.563	4367.855	6163.830	2858.098	7577.009	4.688	167815.860	232.814	235.939
3	06:48:38	9371.823	4502.272	6204.472	2987.812	7265.910	1.563	167461.740	226.564	203.126
x		9364.006	4414.224	6085.672	2860.703	7343.034	3.125	166726.710	228.648	217.710
σ		91.716	76.288	171.777	125.827	206.513	1.563	1589.672	3.608	16.708
%RSD		0.979	1.728	2.823	4.398	2.812	50.000	0.953	1.578	7.674

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:46:22	40.625	40.625	164.063	87.500	962.532	998.472	160959.510	287565.450	437812.220
2	06:47:30	37.500	37.500	193.751	100.000	937.531	935.968	161602.650	289696.930	437446.590
3	06:48:38	43.750	43.750	189.064	85.938	853.150	918.780	162032.480	289897.820	440647.420
x		40.625	40.625	182.293	91.146	917.738	951.073	161531.550	289053.400	438635.410
σ		3.125	3.125	15.960	7.708	57.314	41.939	540.005	1292.513	1752.019
%RSD		7.692	7.692	8.755	8.456	6.245	4.410	0.334	0.447	0.399

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:46:22	462430.900	529.697	1282.870	41361.353	34377.251	87017.341	431739.340	17904.964
2	06:47:30	467983.970	467.195	1098.480	41764.084	34540.143	86869.571	431766.720	17951.897
3	06:48:38	466968.740	439.069	1131.295	41312.775	35193.297	86929.307	436873.180	17729.745
x		465794.540	478.654	1170.882	41479.404	34703.563	86938.740	433459.750	17862.202
σ		2956.893	46.388	98.363	247.734	431.871	74.335	2956.153	117.087
%RSD		0.635	9.691	8.401	0.597	1.244	0.086	0.682	0.656

Reviewed By (sw) 06/11/22/2011 1:16:46 PM Inst Id: P8

C4463-11 MH3B92 11/18/2011 06:53:09 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:54:17	7517.603	18.750	1757.921	589.075	102827480.000	3431277.800	475220.190	557759.550	397979.920
2	06:55:25	7562.939	21.875	1801.676	640.639	102003170.000	3377578.200	470269.720	552878.320	391482.160
3	06:56:33	7448.816	16.667	1771.985	625.014	103285760.000	3433549.300	474940.820	559383.740	398277.100
x		7509.786	19.097	1777.194	618.243	102705470.000	3414135.100	473476.910	556673.870	395913.060
σ		57.461	2.621	22.338	26.441	649940.720	31679.581	2781.016	3385.874	3840.148
%RSD		0.765	13.727	1.257	4.277	0.633	0.928	0.587	0.608	0.970

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:54:17	907020.560	9317.100	206302.380	690437.850	5651397.800	43436.247	733633.220	62211.729	3494.177
2	06:55:25	896495.760	9231.106	203403.440	691549.090	5586172.300	43669.770	722256.170	63234.957	3545.753
3	06:56:33	907213.500	9459.381	204484.330	700514.180	5647704.400	44122.721	732213.070	62773.553	3695.791
x		903576.600	9335.862	204730.050	694167.040	5628424.800	43742.913	729367.480	62740.079	3578.573
σ		6132.955	115.288	1465.007	5524.793	36638.307	349.033	6199.383	512.435	104.737
%RSD		0.679	1.235	0.716	0.796	0.651	0.798	0.850	0.817	2.927

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:54:17	84291.697	27531.191	24699.459	1650824.200	3360034.100	27678590.000	695858.800	1728.230	1907.940
2	06:55:25	87707.480	26977.010	25982.983	1636035.800	3322411.300	27238801.000	688122.230	1692.288	1909.503
3	06:56:33	89543.819	27662.694	26822.031	1652366.300	3368139.800	27491653.000	700765.110	1768.860	1840.744
x		87180.998	27390.298	25834.824	1646408.800	3350195.100	27469681.000	694915.380	1729.792	1886.062
σ		2665.349	363.908	1069.014	9016.275	24400.388	220716.320	6374.021	38.310	39.255
%RSD		3.057	1.329	4.138	0.548	0.728	0.803	0.917	2.215	2.081

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:54:17	15095.471	7086.132	1545.396	6850.079	310.941	310.941	234.898	19.792	22.917
2	06:55:25	14912.467	7057.993	1457.887	6902.709	278.128	278.128	233.856	18.750	9.896
3	06:56:33	15250.323	7386.284	1526.644	6683.855	320.316	320.316	241.669	18.750	20.833
x		15086.087	7176.803	1509.976	6812.214	303.128	303.128	236.808	19.097	17.882
σ		169.124	181.961	46.074	114.235	22.153	22.153	4.242	0.601	6.994
%RSD		1.121	2.535	3.051	1.677	7.308	7.308	1.791	3.149	39.113

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:54:17	4764.857	2603.362	3214.424	1673.536	4339.722	4.688	160028.830	153.126	153.126
2	06:55:25	4944.606	2551.790	3355.081	1675.098	4258.447	3.125	163073.910	129.688	151.563
3	06:56:33	4991.497	2608.051	3359.770	1590.714	4356.914	4.688	161675.340	164.063	134.376
x		4900.320	2587.734	3309.759	1646.449	4318.361	4.167	161592.690	148.959	146.355
σ		119.634	31.217	82.595	48.275	52.594	0.902	1524.223	17.562	10.404
%RSD		2.441	1.206	2.496	2.932	1.218	21.651	0.943	11.790	7.109

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:54:17	20.313	20.313	139.063	39.063	375.005	901.591	25064.156	44721.453	425781.670
2	06:55:25	26.563	26.563	110.938	31.250	320.316	839.087	25128.331	44505.154	433576.560
3	06:56:33	15.625	15.625	114.063	39.063	337.504	798.460	25641.742	45451.878	427782.310
x		20.833	20.833	121.355	36.458	344.275	846.379	25278.076	44892.829	429046.850
σ		5.487	5.487	15.415	4.511	27.966	51.951	316.574	496.083	4048.379
%RSD		26.339	26.339	12.703	12.372	8.123	6.138	1.252	1.105	0.944

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:54:17	448908.110	92.188	217.189	22093.634	18862.444	46923.813	424111.190	2883.103
2	06:55:25	458794.550	70.313	203.126	21985.655	18729.457	45500.470	433789.120	2956.556
3	06:56:33	455433.280	70.313	214.064	22553.727	18763.877	46248.178	428748.130	2989.375
x		454378.650	77.604	211.460	22211.005	18785.260	46224.154	428882.810	2943.012
σ		5026.892	12.630	7.384	301.676	69.024	711.976	4840.370	54.415
%RSD		1.106	16.274	3.492	1.358	0.367	1.540	1.129	1.849

Reviewed By jaswal
On 11/22/2011 1:16:48 PM
Inst Id :P6

C4463-10X25 MH3B91 11/18/2011 07:01:05 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	07:02:13	7736.469	12.500	73.438	304.691	5482405.500	228068.620	31218.448	36878.790	131288.020
2	07:03:22	7884.988	13.021	93.750	314.066	5532047.400	231498.120	31832.301	37499.152	132333.540
3	07:04:30	8085.100	14.583	73.438	270.315	5555064.200	231769.660	31558.256	37940.941	132729.370
x		7902.186	13.368	80.209	296.357	5523172.400	230445.470	31536.335	37439.628	132116.980
σ		174.950	1.084	11.727	23.035	37133.501	2062.884	307.513	533.571	744.680
%RSD		2.214	8.110	14.621	7.773	0.672	0.895	0.975	1.425	0.564

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	07:02:13	61306.264	2022.018	18199.085	158603.690	389852.560	1701.664	28952.747	66761.887	881.277
2	07:03:22	62850.453	2075.151	18134.941	157722.140	391083.970	1846.994	29187.599	66473.044	935.968
3	07:04:30	63073.307	1931.381	18504.164	158278.240	389746.600	1751.670	29386.444	66532.696	914.092
x		62410.008	2009.516	18279.397	158201.360	390227.710	1766.776	29175.597	66589.209	910.446
σ		962.343	72.696	197.279	445.778	743.437	73.834	217.097	152.489	27.527
%RSD		1.542	3.618	1.079	0.282	0.191	4.179	0.744	0.229	3.023

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	07:02:13	26512.078	4657.009	8943.424	78813.683	193481.100	1361396.800	33674.016	462.507	450.007
2	07:03:22	25826.449	4599.178	8461.880	80186.918	195598.710	1382347.600	34466.528	434.382	425.006
3	07:04:30	25073.547	4841.445	8408.724	80788.732	197151.080	1384097.700	34557.372	443.757	492.196
x		25804.025	4699.211	8604.676	79929.778	195410.290	1375947.400	34232.639	446.882	455.736
σ		719.528	126.527	294.566	1012.322	1842.230	12631.482	485.909	14.321	33.959
%RSD		2.788	2.693	3.423	1.267	0.943	0.918	1.419	3.205	7.452

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	07:02:13	2190.793	1004.723	496.884	858.359	103.125	103.125	244.273	14.583	20.833
2	07:03:22	2259.554	1065.665	554.698	852.630	135.938	135.938	248.961	15.625	23.438
3	07:04:30	2120.470	1003.160	557.823	872.943	90.625	90.625	235.419	20.313	21.354
x		2190.272	1024.516	536.468	861.311	109.896	109.896	242.884	16.840	21.875
σ		69.543	35.644	34.317	10.474	23.403	23.403	6.877	3.052	1.378
%RSD		3.175	3.479	6.397	1.216	21.295	21.295	2.831	18.122	6.299

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	07:02:13	367.192	190.626	229.689	151.563	307.816	3.125	180555.720	85.938	17.188
2	07:03:22	431.257	190.626	304.691	120.313	368.755	1.563	181057.320	103.125	17.188
3	07:04:30	393.755	192.189	289.065	131.251	337.504	1.563	179892.750	107.813	21.875
x		397.401	191.147	274.482	134.376	338.025	2.083	180501.930	98.959	18.750
σ		32.187	0.902	39.570	15.858	30.473	0.902	584.147	11.517	2.706
%RSD		8.099	0.472	14.416	11.801	9.015	43.301	0.324	11.639	14.434

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	07:02:13	4.688	4.688	20.313	3.125	78.125	117.188	6812.562	11657.880	454789.820
2	07:03:22	1.563	1.563	25.000	14.063	62.500	68.750	6767.228	11723.558	454357.640
3	07:04:30	4.688	4.688	29.688	3.125	96.875	78.125	6740.652	12303.734	455236.530
x		3.646	3.646	25.000	6.771	79.167	88.021	6773.481	11895.057	454794.660
σ		1.804	1.804	4.688	6.315	17.211	25.691	36.360	355.444	439.464
%RSD		49.487	49.487	18.750	93.264	21.740	29.187	0.537	2.988	0.097

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	07:02:13	479101.340	48.438	118.750	1897.001	1511.017	3773.936	465722.790	765.646
2	07:03:22	478419.680	54.688	160.938	1729.792	1534.457	3698.916	467352.870	723.456
3	07:04:30	475061.930	39.063	114.063	1864.184	1457.887	3892.718	462111.430	781.271
x		477527.650	47.396	131.251	1830.326	1501.121	3788.523	465062.360	756.791
σ		2162.403	7.864	25.817	88.597	39.233	97.721	2682.404	29.908
%RSD		0.453	16.593	19.670	4.841	2.614	2.579	0.577	3.952

Reviewed By:jaswal
On:11/22/2011 1:10:48 PM
Inst Id :P6

C4463-11X25 MH3B92 11/18/2011 07:09:02 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	07:10:10	8046.015	9.896	85.938	296.878	4662306.000	151314.330	20935.642	24403.639	29887.481
2	07:11:18	8042.888	12.500	78.125	226.564	4597276.900	150677.970	20902.781	24084.347	29878.087
3	07:12:26	8028.818	13.021	84.375	268.753	4668637.800	152107.050	20905.911	24871.632	30465.263
x		8039.241	11.806	82.813	264.065	4642740.200	151366.450	20914.778	24453.206	30076.944
σ		9.161	1.674	4.134	35.390	39499.463	715.968	18.136	395.976	336.327
%RSD		0.114	14.182	4.992	13.402	0.851	0.473	0.087	1.619	1.118
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	07:10:10	39463.809	1170.360	25192.506	152904.560	446578.970	1807.927	31663.176	66765.026	206.251
2	07:11:18	38592.684	1125.044	24829.371	156496.270	444946.390	1892.313	32179.953	67790.149	179.689
3	07:12:26	39708.234	1071.915	25236.333	156142.430	443960.160	1854.808	31689.797	67414.943	192.189
x		39254.909	1122.440	25086.070	155181.090	445161.840	1851.683	31844.309	67323.373	192.710
σ		586.381	49.274	223.385	1979.450	1322.637	42.280	290.981	518.660	13.289
%RSD		1.494	4.390	0.890	1.276	0.297	2.283	0.914	0.770	6.896
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	07:10:10	20804.200	1636.031	6789.113	74821.992	147308.720	1285666.300	32075.030	107.813	159.376
2	07:11:18	20402.058	1790.737	7003.279	73991.119	146017.440	1284093.200	32181.519	96.875	160.938
3	07:12:26	20142.315	1643.845	6549.939	73995.831	144767.320	1282779.600	31951.316	98.438	151.563
x		20449.524	1690.204	6780.777	74269.647	146031.160	1284179.700	32069.289	101.042	157.293
σ		333.486	87.152	226.785	478.351	1270.759	1445.319	115.209	5.916	5.023
%RSD		1.631	5.156	3.345	0.644	0.870	0.113	0.359	5.855	3.193
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	07:10:10	845.338	357.817	126.563	520.322	85.938	85.938	241.669	15.625	23.438
2	07:11:18	873.464	410.943	129.688	547.927	64.063	64.063	257.815	20.833	22.396
3	07:12:26	856.276	348.442	140.626	515.113	82.813	82.813	253.648	15.104	23.438
x		858.359	372.401	132.292	527.788	77.604	77.604	251.044	17.188	23.090
σ		14.179	33.707	7.384	17.635	11.831	11.831	8.382	3.168	0.601
%RSD		1.652	9.051	5.582	3.341	15.245	15.245	3.339	18.433	2.605
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	07:10:10	223.439	135.938	171.876	95.313	203.126	1.563	182657.180	90.625	12.500
2	07:11:18	256.252	139.063	156.251	84.375	181.251	4.688	183806.160	104.688	10.938
3	07:12:26	246.877	120.313	143.751	78.125	223.439	1.563	183331.360	98.438	21.875
x		242.190	131.771	157.293	85.938	202.606	2.604	183264.900	97.917	15.104
σ		16.901	10.046	14.092	8.700	21.099	1.804	577.362	7.046	5.916
%RSD		6.979	7.623	8.959	10.123	10.414	69.282	0.315	7.196	39.165
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	07:10:10	1.563	1.563	7.813	4.688	32.813	84.375	1156.297	1796.988	454675.320
2	07:11:18	3.125	3.125	21.875	3.125	62.500	81.250	1065.665	1892.313	460330.290
3	07:12:26	1.563	1.563	18.750	3.125	42.188	60.938	1096.917	1956.384	459189.760
x		2.083	2.083	16.146	3.646	45.833	75.521	1106.293	1881.895	458065.130
σ		0.902	0.902	7.384	0.902	15.176	12.726	46.038	80.207	2990.531
%RSD		43.301	43.301	45.734	24.744	33.111	16.851	4.161	4.262	0.653
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	07:10:10	479552.030	31.250	53.125	1056.289	860.963	2154.850	468324.550	185.939	
2	07:11:18	486747.140	26.563	62.500	954.719	756.270	2054.835	472861.000	140.626	
3	07:12:26	484075.830	34.375	79.688	923.467	834.399	2131.409	469396.380	139.063	
x		483458.330	30.729	65.104	978.159	817.211	2113.698	470193.980	155.209	
σ		3637.088	3.932	13.471	69.444	54.422	52.307	2371.068	26.624	
%RSD		0.752	12.796	20.692	7.099	6.659	2.475	0.504	17.154	

Reviewed By esr at 1
On: 11/22/2011 1:10:48
PM
Inst Id: P6

C4463-13X25 MH3B94 11/18/2011 07:16:59 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	07:18:07	8085.100	11.979	18.750	296.878	695109.550	212481.020	29190.731	34070.267	14092.885
2	07:19:15	8235.185	11.979	9.375	281.253	697542.700	214155.750	29054.516	34594.963	13903.638
3	07:20:23	8347.751	9.896	14.063	289.065	706929.850	214536.400	29168.811	34685.808	14099.142
x		8222.679	11.285	14.063	289.065	699860.700	213724.390	29138.019	34450.346	14031.888
σ		131.771	1.203	4.688	7.813	6241.775	1093.480	73.142	332.277	111.112
%RSD		1.603	10.659	33.333	2.703	0.892	0.512	0.251	0.965	0.792

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	07:18:07	21816.646	695.329	18408.728	132779.840	235544.720	2397.076	37604.115	68479.362	43.750
2	07:19:15	21847.944	746.895	18532.325	133511.610	235590.780	2336.129	38492.414	68287.824	43.750
3	07:20:23	21813.516	801.585	18638.714	132994.320	236224.560	2273.618	38528.448	69470.066	46.875
x		21826.035	747.936	18526.589	133095.260	235786.690	2335.608	38208.325	68745.751	44.792
σ		19.038	53.135	115.100	376.184	379.906	61.730	523.572	634.544	1.804
%RSD		0.087	7.104	0.621	0.283	0.161	2.643	1.370	0.923	4.028

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	07:18:07	15990.194	503.134	5418.215	4150.603	750.020	64509.386	2576.795	34.375	59.375
2	07:19:15	15339.481	556.261	5163.433	4270.951	714.080	64512.525	2489.279	45.313	81.250
3	07:20:23	15347.302	539.073	5164.996	4524.154	946.906	66432.230	2401.764	51.563	82.813
x		15558.992	532.822	5248.881	4315.236	803.669	65151.380	2489.280	43.750	74.479
σ		373.452	27.109	146.649	190.672	125.342	1109.250	87.515	8.700	13.104
%RSD		2.400	5.088	2.794	4.419	15.596	1.703	3.516	19.885	17.594

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	07:18:07	223.439	59.375	165.626	220.314	65.625	65.625	241.669	21.875	9.375
2	07:19:15	159.376	62.500	171.876	237.502	76.563	76.563	259.898	17.188	21.354
3	07:20:23	160.938	62.500	162.501	207.293	71.875	71.875	258.336	24.479	14.583
x		181.251	61.458	166.668	221.703	71.354	71.354	253.301	21.181	15.104
σ		36.544	1.804	4.774	15.152	5.487	5.487	10.104	3.695	6.007
%RSD		20.162	2.936	2.864	6.834	7.690	7.690	3.989	17.446	39.767

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	07:18:07	26.563	6.250	12.500	14.063	7.813	3.125	185365.170	84.375	4.688
2	07:19:15	15.625	4.688	20.313	12.500	12.500	0.000	187587.650	101.563	9.375
3	07:20:23	20.313	17.188	9.375	14.063	12.500	4.688	187120.650	70.313	4.688
x		20.833	9.375	14.063	13.542	10.938	2.604	186691.150	85.417	6.250
σ		5.487	6.811	5.634	0.902	2.706	2.387	1171.837	15.651	2.706
%RSD		26.339	72.648	40.062	6.662	24.744	91.652	0.628	18.323	43.301

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	07:18:07	0.000	0.000	3.125	3.125	31.250	50.000	860.963	1592.276	464260.710
2	07:19:15	1.563	1.563	3.125	3.125	35.938	28.125	871.902	1561.023	466553.950
3	07:20:23	0.000	0.000	12.500	3.125	31.250	32.813	939.093	1461.012	462726.170
x		0.521	0.521	6.250	3.125	32.813	36.979	890.653	1538.104	464513.610
σ		0.902	0.902	5.413	0.000	2.706	11.517	42.306	68.568	1926.379
%RSD		173.205	173.205	86.603	0.000	8.248	31.146	4.750	4.458	0.415

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	07:18:07	490285.420	17.188	70.313	54.688	64.063	139.063	478090.170	415.631
2	07:19:15	489124.760	26.563	57.813	84.375	87.500	132.813	478183.850	437.507
3	07:20:23	490186.810	34.375	70.313	96.875	81.250	171.876	480201.430	473.445
x		489865.660	26.042	66.146	78.646	77.604	147.917	478825.150	442.194
σ		643.533	8.606	7.217	21.670	12.137	20.983	1192.811	29.191
%RSD		0.131	33.045	10.911	27.553	15.639	14.185	0.249	6.601

Reviewed By:jaswal
On:11/22/2011 1:46:48 PM
Inst Id:P6

CCV57 11/18/2011 07:24:56 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	07:26:03	7731.779	13193.068	2168.915	285.940	12655374.000	9612921.300	1340141.400	1588297.400	2240964.300
2	07:27:11	7889.678	13179.514	2157.976	318.754	12499507.000	9544039.600	1339377.600	1580717.000	2240326.300
3	07:28:19	8056.959	13183.163	2239.238	359.380	12643054.000	9590967.900	1332315.500	1574596.400	2232021.800
x		7892.805	13185.249	2188.709	321.358	12599312.000	9582643.000	1337278.200	1581203.600	2237770.800
σ		162.612	7.014	44.100	36.789	86652.834	35187.372	4314.716	6863.471	4988.994
%RSD		2.060	0.053	2.015	11.448	0.688	0.367	0.323	0.434	0.223

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	07:26:03	25857.756	135688.220	29182.902	126904.930	8071039.300	38340.443	623237.470	65892.238	20156.397
2	07:27:11	25588.522	136027.360	29212.650	128080.980	7991969.800	38020.841	628924.040	65578.298	19796.520
3	07:28:19	25632.350	135798.640	29267.450	126857.640	8012814.400	38152.441	622074.320	65204.719	19499.236
x		25692.876	135838.080	29221.001	127281.180	8025274.500	38171.242	624745.270	65558.418	19817.384
σ		144.462	172.975	42.888	693.049	40980.958	160.629	3665.349	344.190	329.077
%RSD		0.562	0.127	0.147	0.545	0.511	0.421	0.587	0.525	1.661

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	07:26:03	320264.190	284286.730	39169.250	1100689.500	843025.370	18146307.000	458646.150	356212.940	77988.862
2	07:27:11	318795.950	283931.330	38757.190	1094416.800	837586.200	18030534.000	456728.340	356813.590	78296.790
3	07:28:19	317663.330	284250.080	38602.084	1088037.300	832031.550	17963494.000	458452.580	354923.630	77420.156
x		318907.820	284156.050	38842.841	1094381.200	837547.710	18046778.000	457942.360	355983.390	77901.936
σ		1304.035	195.471	293.123	6326.171	5497.014	92482.486	1055.816	965.667	444.734
%RSD		0.409	0.069	0.755	0.578	0.656	0.512	0.231	0.271	0.571

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	07:26:03	397602.440	191593.410	144177.020	62884.456	3583.262	3583.262	11541.640	4683.059	19.271
2	07:27:11	396161.670	190716.160	145232.950	63293.548	3461.357	3461.357	11408.199	4864.370	24.479
3	07:28:19	399541.360	192356.690	141981.760	63241.757	3469.171	3469.171	11558.320	4819.563	22.396
x		397768.490	191555.420	143797.240	63139.921	3504.597	3504.597	11502.720	4788.997	22.049
σ		1695.954	820.923	1658.532	222.749	68.238	68.238	82.281	94.441	2.621
%RSD		0.426	0.429	1.153	0.353	1.947	1.947	0.715	1.972	11.890

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	07:26:03	64087.179	113478.610	120271.350	71726.488	185968.240	1.563	176339.480	7353.455	358160.750
2	07:27:11	64391.669	114067.650	121694.260	72049.985	185040.690	3.125	176122.770	7337.822	357111.530
3	07:28:19	64310.052	113729.030	121935.360	72422.172	187312.190	1.563	175652.980	7326.878	358039.000
x		64262.967	113758.430	121300.320	72066.215	186107.040	2.083	176038.410	7339.385	357770.420
σ		157.611	295.618	899.237	348.126	1142.095	0.902	350.941	13.357	573.860
%RSD		0.245	0.260	0.741	0.483	0.614	43.301	0.199	0.182	0.160

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	07:26:03	5452.603	5452.603	350736.150	85659.170	235562.190	362866.350	337082.040	600894.470	453757.770
2	07:27:11	5601.098	5601.098	352854.560	84866.962	235274.700	362691.680	335661.680	593040.340	453680.370
3	07:28:19	5602.661	5602.661	350233.420	85456.398	236852.010	365393.620	331327.880	594717.310	452487.150
x		5552.121	5552.121	351274.710	85327.510	235896.300	363650.550	334690.530	596217.370	453308.430
σ		86.188	86.188	1391.089	411.530	840.057	1512.065	2997.490	4136.364	712.297
%RSD		1.552	1.552	0.396	0.482	0.356	0.416	0.896	0.694	0.157

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	07:26:03	480592.380	689313.590	1695430.800	559346.380	525644.300	1242949.300	457617.050	3121612.500
2	07:27:11	477865.660	686706.490	1677638.500	555965.030	525642.680	1237849.400	455591.320	3094011.600
3	07:28:19	478850.960	682050.580	1675066.000	554911.160	525407.710	1240474.000	454215.730	3073967.500
x		479103.000	686023.550	1682711.800	556740.860	525564.900	1240424.200	455808.030	3096530.500
σ		1380.721	3679.352	11089.818	2317.162	136.132	2550.333	1710.984	23922.140
%RSD		0.288	0.536	0.659	0.416	0.026	0.206	0.375	0.773

CCB57 11/18/2011 07:32:52 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	07:34:01	8197.664	19.792	15.625	310.941	276210.280	5637.050	714.080	879.715	14860.851
2	07:35:09	8069.466	18.750	45.313	235.939	274103.090	5377.575	735.956	760.958	15145.524
3	07:36:17	8074.156	23.438	35.938	289.065	275186.110	5683.943	695.329	862.526	15219.040
x		8113.762	20.660	32.292	278.649	275166.490	5566.189	715.122	834.399	15075.138
σ		72.699	2.461	15.176	38.571	1053.735	165.019	20.334	64.180	189.184
%RSD		0.896	11.914	46.996	13.842	0.383	2.965	2.843	7.692	1.255

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	07:34:01	840.650	781.271	16705.074	131385.790	208165.050	23.438	881.277	66777.585	40.625
2	07:35:09	1056.289	828.149	16903.745	131925.100	206246.900	39.063	759.395	67951.852	48.438
3	07:36:17	928.155	820.336	17218.183	133016.400	207573.730	32.813	807.835	67973.832	43.750
x		941.698	809.919	16942.334	132109.090	207328.560	31.771	816.169	67567.756	44.271
σ		108.456	25.115	258.722	830.731	982.294	7.864	61.367	684.397	3.932
%RSD		11.517	3.101	1.527	0.629	0.474	24.754	7.519	1.013	8.882

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	07:34:01	12261.510	560.949	4106.840	3603.579	675.016	45770.079	2054.835	162.501	87.500
2	07:35:09	12227.105	564.074	3956.798	3781.751	684.391	46266.989	2006.391	167.188	71.875
3	07:36:17	11806.439	632.827	3778.625	3553.567	673.453	46942.625	2050.147	164.063	78.125
x		12098.351	585.950	3947.421	3646.299	677.620	46326.564	2037.124	164.584	79.167
σ		253.388	40.627	164.309	119.940	5.916	588.539	26.719	2.387	7.864
%RSD		2.094	6.933	4.162	3.289	0.873	1.270	1.312	1.450	9.934

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	07:34:01	321.879	120.313	82.813	205.731	54.688	54.688	263.544	19.271	22.396
2	07:35:09	332.816	135.938	81.250	165.626	48.438	48.438	250.523	20.313	14.583
3	07:36:17	340.629	90.625	129.688	186.980	57.813	57.813	273.440	26.042	20.833
x		331.775	115.625	97.917	186.112	53.646	53.646	262.502	21.875	19.271
σ		9.419	23.017	27.526	20.066	4.774	4.774	11.494	3.646	4.134
%RSD		2.839	19.907	28.111	10.782	8.898	8.898	4.379	16.667	21.452

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	07:34:01	71.875	110.938	121.876	82.813	192.189	3.125	184467.730	84.375	187.501
2	07:35:09	46.875	114.063	121.876	89.063	135.938	0.000	184690.900	90.625	123.438
3	07:36:17	59.375	92.188	120.313	54.688	179.689	0.000	186346.560	98.438	142.188
x		59.375	105.730	121.355	75.521	169.272	1.042	185168.400	91.146	151.042
σ		12.500	11.831	0.902	18.311	29.537	1.804	1026.407	7.046	32.937
%RSD		21.053	11.190	0.743	24.246	17.449	173.205	0.554	7.730	21.806

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	07:34:01	6.250	6.250	184.376	34.375	335.941	860.963	162.501	218.752	459580.150
2	07:35:09	4.688	4.688	134.376	34.375	268.753	579.699	106.250	168.751	461819.400
3	07:36:17	3.125	3.125	159.376	34.375	225.002	465.633	126.563	220.314	461135.330
x		4.688	4.688	159.376	34.375	276.565	635.432	131.771	202.606	460844.960
σ		1.563	1.563	25.000	0.000	55.681	203.473	28.485	29.329	1147.519
%RSD		33.333	33.333	15.686	0.000	20.205	32.021	21.617	14.476	0.249

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	07:34:01	486453.000	479.696	951.594	290.628	293.753	604.700	480833.090	1007.848
2	07:35:09	486044.120	301.566	745.332	220.314	232.814	565.636	478829.960	995.347
3	07:36:17	486323.710	328.129	840.650	248.440	273.440	584.387	476731.830	970.345
x		486273.610	369.797	845.859	253.127	266.669	584.908	478798.290	991.180
σ		208.994	96.097	103.230	35.390	31.028	19.537	2050.814	19.095
%RSD		0.043	25.987	12.204	13.981	11.636	3.340	0.428	1.927

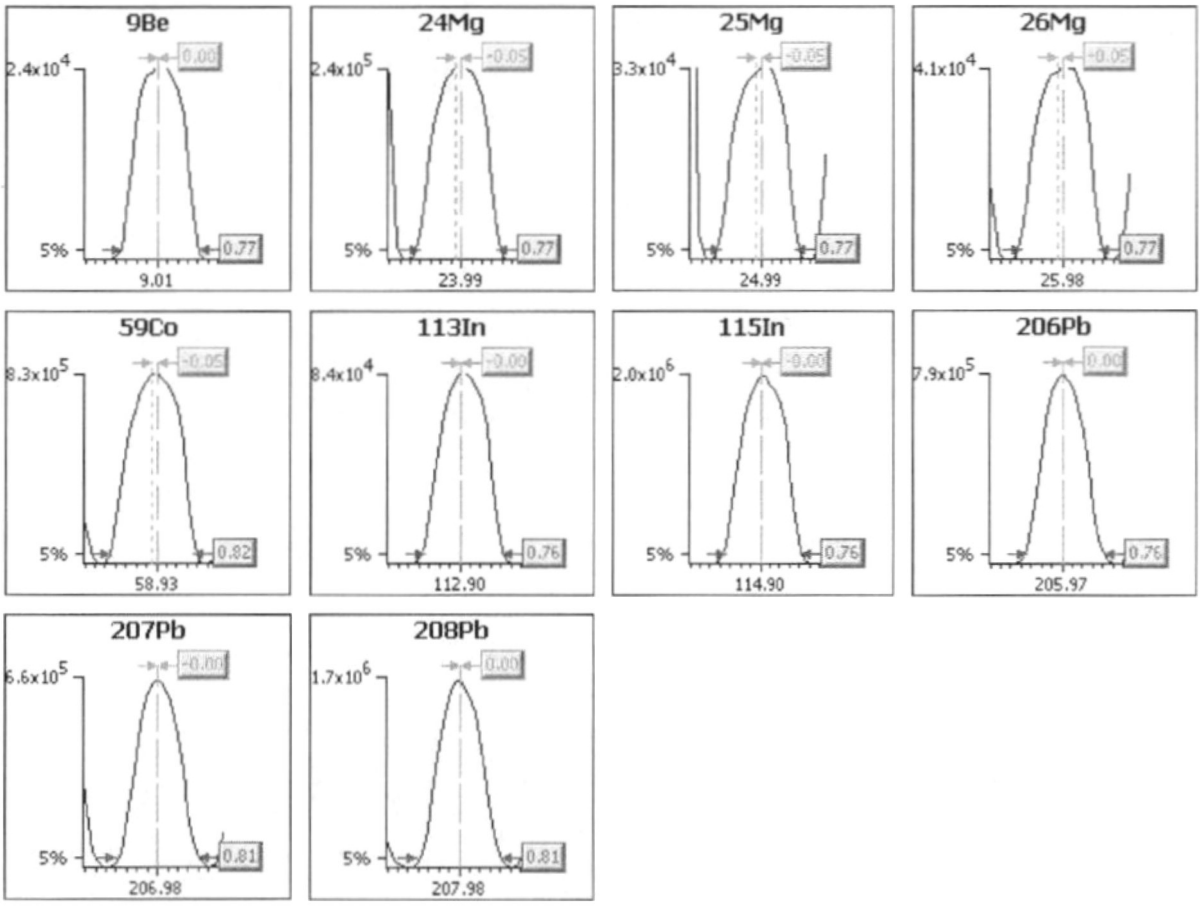
Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

Performance Report

Sample details
Sample name : TUNE
Acquired at : 11/18/2011 10:28:50 PM
Report name : ISM01.2 [03/09/2010 11:16:01 AM]

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	-0.05
25Mg	0.85	0.65	0.10	0.77	-0.05
26Mg	0.85	0.65	0.10	0.77	-0.05
59Co	0.85	0.65	0.10	0.82	-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	0.81	-0.00
208Pb	0.85	0.65	0.10	0.81	0.00

11/19/2011 4:46:17 PM

Reviewed By: [illegible]
On: 11/21/2011
12:38:57 PM
Inst Id: [illegible]

Sample details
Sample name : TUNE
Acquired at : 11/18/2011 10:28:50 PM
Report name : ISM01.2 [03/09/2010 11:16:01 AM]

Tune conditions

Major	
Extraction	-220
Lens 1	0.3
Focus	20.8
D1	-40.8
Pole Bias	1.0
Hexapole Bias	-3.0
Nebuliser	0.80
Sampling Depth	130

Minor	
Lens 2	-51.8
Lens 3	-200.0
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	10:29:13 PM	0.769	24631.216	246821.66	33938.728	42166.755	869822.16	16551.891	85455.600	2009466.4
2	10:29:42 PM	1.538	25041.159	247592.52	33934.102	42132.037	873819.21	16674.341	86142.012	2019186.0
3	10:30:11 PM	1.538	24985.677	249058.45	34435.299	41948.421	869368.86	16417.120	86059.981	1996799.4
4	10:30:40 PM	0.769	25195.275	248690.58	34087.543	42288.653	873138.66	16502.603	86347.864	2003218.8
5	10:31:09 PM	0.000	24778.393	246311.43	34079.061	41983.138	869021.74	16468.718	85839.429	2007623.8
x		0.923	24926.344	247694.93	34094.947	42103.801	871034.13	16522.935	85968.977	2007258.9
σ		0.64	222.50	1176.61	203.97	139.31	2262.60	97.87	339.90	8261.12
%RSD		69.722	0.893	0.475	0.598	0.331	0.260	0.592	0.395	0.412

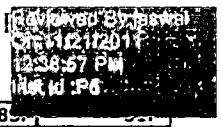
Run	Time	138Ba	140Ce	156Ce O	206Pb	207Pb	208Pb	220Bkg
Dwell (mSecs)		0.0	0.0	0.0	0.0	0.0	0.0	0.0
Limits	%RSD	-	-	-	5.0%	5.0%	5.0%	-
	Countrate	-	-	-	>20000	>20000	>40000	<1
1	10:29:13 PM	1591650.8	2148798.1	26463.720	791538.29	673991.30	1671432.8	0.000
2	10:29:42 PM	1607706.7	2168959.0	26712.644	794186.28	671733.20	1674424.6	0.000
3	10:30:11 PM	1608989.8	2167277.0	26835.951	799414.59	675570.24	1668187.4	0.000
4	10:30:40 PM	1600142.4	2159741.1	26691.065	796599.86	674748.10	1668879.3	0.769
5	10:31:09 PM	1597465.4	2160017.0	26829.015	798292.05	674076.73	1669238.7	0.000
x		1601191.1	2160958.4	26706.479	796006.21	674023.91	1670432.6	0.154
σ		7233.10	7971.44	150.82	3180.76	1428.88	2540.47	0.34
%RSD		0.452	0.369	0.565	0.400	0.212	0.152	223.607

Ratio results

Run	Time	156Ce O/140Ce	138Ba++/138Ba
	Ratio limits	<0.0200	<0.0300
1	10:29:13 PM	0.012	0.010
2	10:29:42 PM	0.012	0.010
3	10:30:11 PM	0.012	0.010
4	10:30:40 PM	0.012	0.010
5	10:31:09 PM	0.012	0.010
x		0.0124	0.0103
σ		0.00	0.00
%RSD		0.3641	0.7298

Result : The performance report passed.

LB57927.tee



Fully Quantitative Concentrations

Id	Label	9Be	10B	23Na	24Mg	25Mg	26Mg	27Al	28Si	31P
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
3	S1 (S)	1.000	5.000	500.000	500.000	500.000	500.000	20.000	5.000	0.000
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	94Mo	95Mo
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
3	S1 (S)	2.000	0.400	5.000	5.000	5.000	1.000	1.000	5.000	5.000
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	96Mo	97Mo	98Mo	107Ag	109Ag	106Cd	108Cd	111Cd	118Sn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
3	S1 (S)	5.000	5.000	5.000	1.000	1.000	0.400	1.000	1.000	5.000
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	121Sb	135Ba	137Ba	203Tl	205Tl	206Pb	207Pb	208Pb	232Th
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
3	S1 (S)	2.000	10.000	10.000	0.900	0.900	1.000	1.000	1.000	1.000
4	S2 (S)	125.000	625.000	625.000	125.000	125.000	125.000	125.000	125.000	125.000
5	S3 (S)	250.000	1250.000	1250.000	250.000	250.000	250.000	250.000	250.000	250.000
6	S4 (S)	500.000	2500.000	2500.000	500.000	500.000	500.000	500.000	500.000	500.000
7	S5 (S)	1000.000	5000.000	5000.000	1000.000	1000.000	1000.000	1000.000	1000.000	1000.000

Id	Label	238U
		ppb
3	S1 (S)	1.000
4	S2 (S)	125.000
5	S3 (S)	250.000
6	S4 (S)	500.000
7	S5 (S)	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	Through Blank	Yes		0.995000
10B	Yes	0.58	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
13C	Yes	0.05	None				No		
23Na	Yes	1.00	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
24Mg	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
25Mg	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
26Mg	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
27Al	Yes	0.98	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
28Si	Yes	0.85	Fully-Quantified	Linear	None	Through Blank	Yes		0.995000
31P	Yes	0.33	Fully-Quantified	Linear	None	Through Blank	Yes		
34S	Yes	0.14	None				No		
37Cl	Yes	0.09	None				No		

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

Sample List

No	Label	Type	Weight	Rack	Row	Col	Height
1	TUNE	Instrument Setup	1.000	1	1	1	144
2	S0 (S0)	Blank	1.000	1	1	1	144
3	S1 (S)	Fully Quant Standard	1.000	1	1	2	144
4	S2 (S)	Fully Quant Standard	1.000	1	1	3	144
5	S3 (S)	Fully Quant Standard	1.000	1	1	4	144
6	S4 (S)	Fully Quant Standard	1.000	1	1	5	144
7	S5 (S)	Fully Quant Standard	1.000	1	1	6	144
8	ICV14	Unknown	1.000	1	1	7	144
9	ICB14	Unknown	1.000	1	1	8	144
10	ICSA14	Unknown	1.000	1	1	9	144
11	ICSAB14	Unknown	1.000	1	1	10	144
12	ICSA14X10	Unknown	1.000	1	1	11	144
13	ICSAB14X10	Unknown	1.000	1	1	12	144
14	CCV58	Unknown	1.000	1	2	1	144

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15	CCB58	Unknown	1.000	1	2	2	144
16	PB59275BL PBW01	Unknown	1.000	1	2	3	144
17	PB59274BL PBW01	Unknown	1.000	1	2	4	144
18	PB59238BL PBW01	Unknown	1.000	1	2	5	144
19	PB59275BS LCS01	Unknown	1.000	1	2	6	144
20	PB59274BS LCS01	Unknown	1.000	1	2	7	144
21	PB59238BS LCS01	Unknown	1.000	1	2	8	144
22	C4481-01 MB9TA1	Unknown	1.000	1	2	9	144
23	C4482-02 MB9TD0	Unknown	1.000	1	2	10	144
24	C4482-03 MB9TC2	Unknown	1.000	1	2	11	144
25	C4482-03LX5 MB9TC2L	Unknown	1.000	1	2	12	144
26	CCV59	Unknown	1.000	1	3	1	144
27	CCB59	Unknown	1.000	1	3	2	144
28	C4482-04 MB9TC2D	Unknown	1.000	1	3	3	144
29	C4482-05 MB9TC2S	Unknown	1.000	1	3	4	144
30	C4482-05X10 MB9TC2S	Unknown	1.000	1	3	5	144
31	C4482-06 MB9TF0	Unknown	1.000	1	3	6	144
32	C4482-07 MB9TF2	Unknown	1.000	1	3	7	144
33	C4482-08 MB9TG4	Unknown	1.000	1	3	8	144
34	C4482-09 MB9TC0	Unknown	1.000	1	3	9	144
35	C4481-03 MB9TC9	Unknown	1.000	1	3	10	144
36	C4481-03X10 MB9TC9	Unknown	1.000	1	3	11	144
37	C4482-01X20 MB9TA8	Unknown	1.000	1	3	12	144
38	CCV60	Unknown	1.000	1	4	1	144
39	CCB60	Unknown	1.000	1	4	2	144
40	C4481-04 MB9TA2	Unknown	1.000	1	4	3	144
41	C4481-05 MB9TC1	Unknown	1.000	1	4	4	144
42	C4481-06 MB9TC1D	Unknown	1.000	1	4	5	144
43	C4481-05LX5 MB9TC1L	Unknown	1.000	1	4	6	144
44	C4481-07 MB9TC1S	Unknown	1.000	1	4	7	144
45	C4481-07X10 MB9TC1S	Unknown	1.000	1	4	8	144
46	C4481-08 MB9TE9	Unknown	1.000	1	4	9	144
47	C4481-09 MB9TF1	Unknown	1.000	1	4	10	144
48	C4481-10 MB9TG3	Unknown	1.000	1	4	11	144
49	C4481-11 MB9TB9	Unknown	1.000	1	4	12	144
50	CCV61	Unknown	1.000	1	5	1	144
51	CCB61	Unknown	1.000	1	5	2	144
52	C4481-12 MB9TA3	Unknown	1.000	1	5	3	144
53	C4481-13 MB9TA4	Unknown	1.000	1	5	4	144
54	C4481-14 MB9TA0	Unknown	1.000	1	5	5	144
55	C4482-01 MB9TA8	Unknown	1.000	1	5	6	144
56	C4481-02 MB9TA7	Unknown	1.000	1	5	7	144
57	C4481-02X25 MB9TA7	Unknown	1.000	1	5	8	144
58	C4481-02X50 MB9TA7	Unknown	1.000	1	5	9	144
59	C4463-01 MH3BA0	Unknown	1.000	1	5	10	144
60	C4463-13 MH3B94	Unknown	1.000	1	5	11	144
61	C4463-01X25 MH3BA0	Unknown	1.000	1	5	12	144
62	CCV62	Unknown	1.000	2	1	1	144
63	CCB62	Unknown	1.000	2	1	2	144
64	C4463-14 MH3B95	Unknown	1.000	2	1	3	144
65	C4463-15 MH3B96	Unknown	1.000	2	1	4	144
66	C4463-16 MH3B97	Unknown	1.000	2	1	5	144
67	C4463-18 MH3B99	Unknown	1.000	2	1	6	144
68	C4463-05 MH3B88	Unknown	1.000	2	1	7	144
69	C4463-10 MH3B91	Unknown	1.000	2	1	8	144
70	C4463-11 MH3B92	Unknown	1.000	2	1	9	144
71	C4463-05X25 MH3B88	Unknown	1.000	2	1	10	144
72	C4463-10X25 MH3B91	Unknown	1.000	2	1	11	144
73	C4463-11X25 MH3B92	Unknown	1.000	2	1	12	144
74	CCV63	Unknown	1.000	2	2	1	144
75	CCB63	Unknown	1.000	2	2	2	144
76	C4463-02 MH3B85	Unknown	1.000	2	2	3	144
77	C4463-03 MH3B86	Unknown	1.000	2	2	4	144
78	C4463-04 MH3B87	Unknown	1.000	2	2	5	144
79	C4463-12 MH3B93	Unknown	1.000	2	2	6	144
80	C4463-06 MH3B89	Unknown	1.000	2	2	7	144
81	C4463-02X25 MH3B85	Unknown	1.000	2	2	8	144
82	C4463-03X25 MH3B86	Unknown	1.000	2	2	9	144
83	C4463-04X25 MH3B87	Unknown	1.000	2	2	10	144
84	C4463-12X25 MH3B93	Unknown	1.000	2	2	11	144
85	C4463-06X25 MH3B89	Unknown	1.000	2	2	12	144
86	CCV64	Unknown	1.000	2	3	1	144
87	CCB64	Unknown	1.000	2	3	2	144
88	C4463-17 MH3B98	Unknown	1.000	2	3	3	144
89	C4463-07 MH3B90	Unknown	1.000	2	3	4	144
90	C4463-08 MH3B90D	Unknown	1.000	2	3	5	144
91	C4463-09 MH3B90S	Unknown	1.000	2	3	6	144

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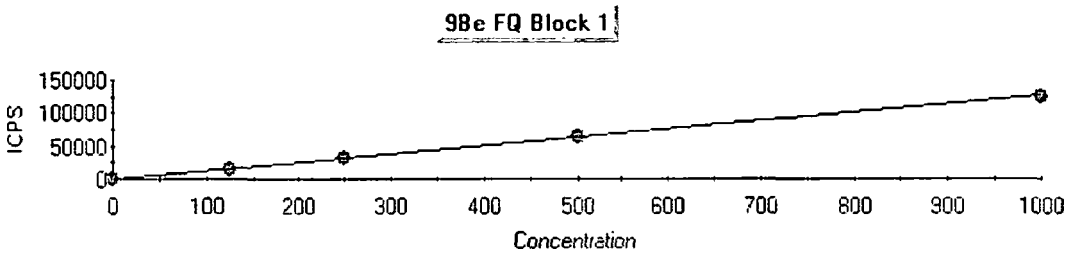
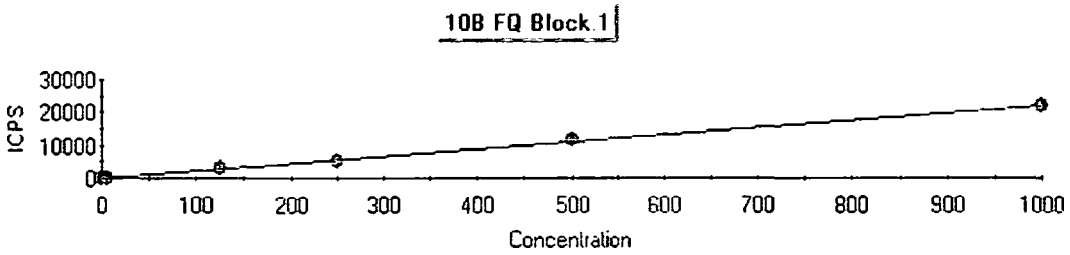
92	C4463-07LX5 MH3B90L	Unknown	1.000	2	3	7	144
93	C4463-17X25 MH3B98	Unknown	1.000	2	3	8	144
94	C4463-07X25 MH3B90	Unknown	1.000	2	3	9	144
95	C4463-08X25 MH3B90D	Unknown	1.000	2	3	10	144
96	C4463-09X25 MH3B90S	Unknown	1.000	2	3	11	144
97	C4463-07LX125 MH3B90L	Unknown	1.000	2	3	12	144
98	CCV65	Unknown	1.000	2	4	1	144
99	CCB65	Unknown	1.000	2	4	2	144
100	CCV66	Unknown	1.000	2	4	3	144
101	CCB66	Unknown	1.000	2	4	4	144
102	PB59293BL PBW01	Unknown	1.000	2	4	5	144
103	C4391-18 MB9T99	Unknown	1.000	2	4	6	144
104	PB59293BS LCS01	Unknown	1.000	2	4	7	144
105	CCV67	Unknown	1.000	2	4	8	144
106	CCB67	Unknown	1.000	2	4	9	144

Fully Quant Calibration



Intercept CPS=51.247460 Intercept Conc=0.408313
Sensitivity=125.510244 Correlation Coeff=0.999896

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	51.25	0.00
S1 (S)	1.000	1.023	0.023	179.66	2.31
S2 (S)	125.000	124.817	0.183	15717.11	0.15
S3 (S)	250.000	248.929	1.071	31294.41	0.43
S4 (S)	500.000	511.386	11.386	64235.45	2.28
S5 (S)	1000.000	994.597	5.403	124883.41	0.54



Intercept CPS=11.478886 Intercept Conc=0.518695
Sensitivity=22.130310 Correlation Coeff=0.999919

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	11.48	0.00
S1 (S)	5.000	5.352	0.352	129.92	7.04
S2 (S)	125.000	124.135	0.865	2758.62	0.69
S3 (S)	250.000	246.875	3.125	5474.90	1.25
S4 (S)	500.000	509.730	9.730	11291.97	1.95
S5 (S)	1000.000	996.022	3.978	22053.77	0.40

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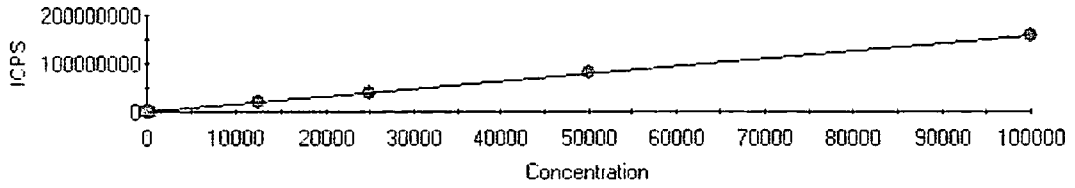
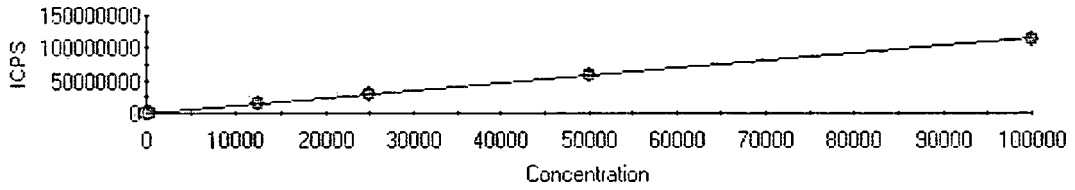
23Na FQ Block 1



Intercept CPS=515481.829743 Intercept Conc=329.432005
Sensitivity=1564.759411 Correlation Coeff=0.999928

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	515481.83	0.00
S1 (S)	500.000	511.928	11.928	1316526.56	2.39
S2 (S)	12500.000	12542.974	42.974	20142218.00	0.34
S3 (S)	25000.000	24826.789	173.211	39363434.06	0.69
S4 (S)	50000.000	50943.932	943.932	80230478.24	1.89
S5 (S)	100000.000	99565.906	434.094	156312169.45	0.43

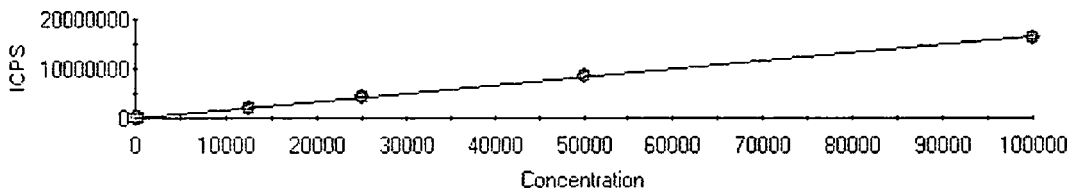
24Mg FQ Block 1



Intercept CPS=5871.396771 Intercept Conc=5.128585
Sensitivity=1144.837665 Correlation Coeff=0.999884

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	5871.40	0.00
S1 (S)	500.000	560.443	60.443	647487.50	12.09
S2 (S)	12500.000	12713.363	213.363	14560608.05	1.71
S3 (S)	25000.000	24941.781	58.219	28560162.16	0.23
S4 (S)	50000.000	51212.329	1212.329	58635674.84	2.42
S5 (S)	100000.000	99381.417	618.583	113781461.33	0.62

25Mg FQ Block 1



Intercept CPS=778.673925 Intercept Conc=4.740562
Sensitivity=164.257713 Correlation Coeff=0.999932

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	778.67	0.00
S1 (S)	500.000	543.376	43.376	90032.43	8.68
S2 (S)	12500.000	12740.309	240.309	2093472.76	1.92
S3 (S)	25000.000	25039.743	39.743	4113749.57	0.16
S4 (S)	50000.000	50924.539	924.539	8365526.97	1.85
S5 (S)	100000.000	99497.539	502.461	16344016.89	0.50

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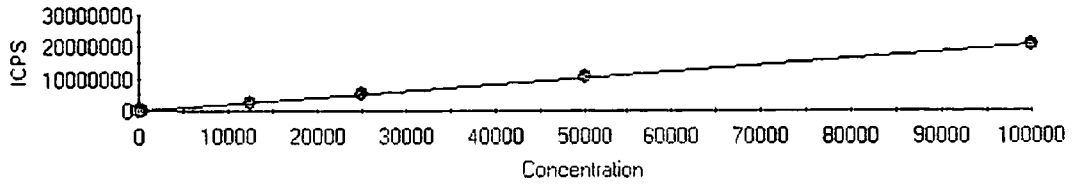
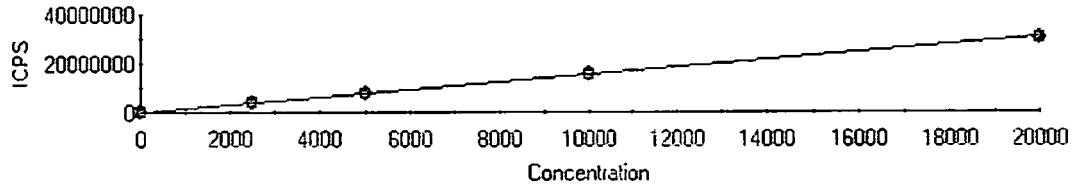
26Mg FQ Block 1



Intercept CPS=851.985465 Intercept Conc=4.250078
Sensitivity=200.463501 Correlation Coeff=0.999919

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	851.99	0.00
S1 (S)	500.000	549.808	49.808	111068.34	9.96
S2 (S)	12500.000	12724.067	224.067	2551562.96	1.79
S3 (S)	25000.000	24967.242	32.758	5005872.81	0.13
S4 (S)	50000.000	51006.837	1006.837	10225861.11	2.01
S5 (S)	100000.000	99476.514	523.486	19942262.15	0.52

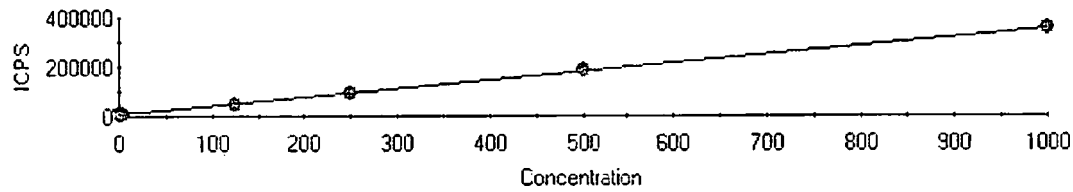
27Al FQ Block 1



Intercept CPS=50829.787692 Intercept Conc=33.346316
Sensitivity=1524.299931 Correlation Coeff=0.999891

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	50829.79	0.00
S1 (S)	20.000	23.925	3.925	87298.38	19.62
S2 (S)	2500.000	2529.604	29.604	3906705.11	1.18
S3 (S)	5000.000	4971.350	28.650	7628658.61	0.57
S4 (S)	10000.000	10233.634	233.634	15649958.08	2.34
S5 (S)	20000.000	19886.641	113.359	30364034.96	0.57

28Si FQ Block 1



Intercept CPS=5062.275912 Intercept Conc=14.482905
Sensitivity=349.534559 Correlation Coeff=0.999908

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	5062.28	0.00
S1 (S)	5.000	6.358	1.358	7284.47	27.15
S2 (S)	125.000	126.324	1.324	49216.94	1.06
S3 (S)	250.000	248.203	1.797	91817.78	0.72
S4 (S)	500.000	510.759	10.759	183590.25	2.15
S5 (S)	1000.000	994.897	5.103	352813.30	0.51

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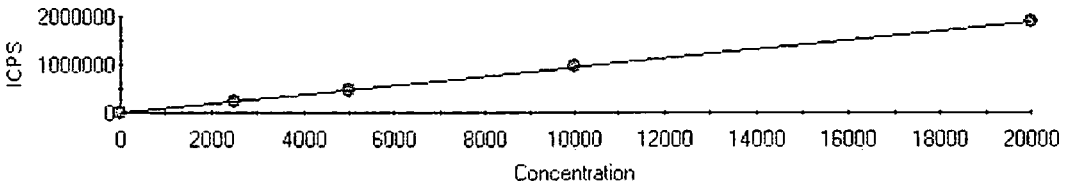
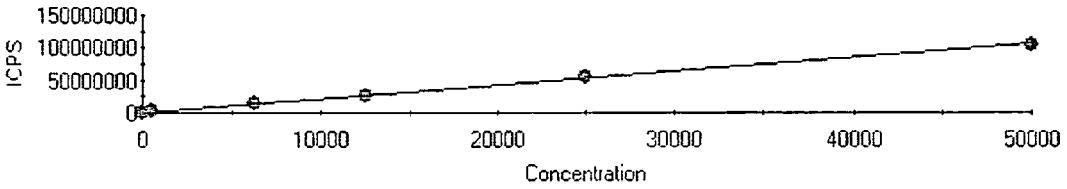
31P FQ Block 1



Intercept CPS=4084.298762 Intercept Conc=43.582600
Sensitivity=93.713976 Correlation Coeff=0.999968

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	4084.30	0.00
S1 (S)	0.000	-1.453	1.453	3948.10	0.00
S2 (S)	2500.000	2448.297	51.703	233523.97	2.07
S3 (S)	5000.000	4887.757	112.243	462135.43	2.24
S4 (S)	10000.000	10080.325	80.325	948751.61	0.80
S5 (S)	20000.000	19994.361	5.639	1877835.40	0.03

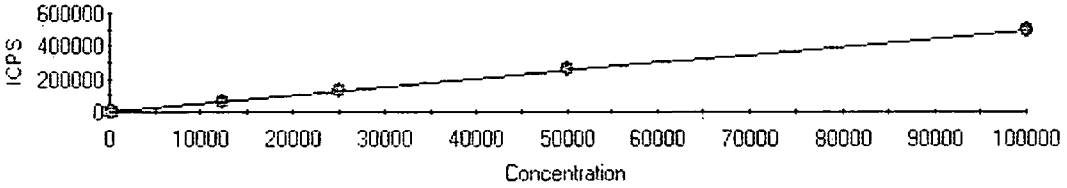
39K FQ Block 1



Intercept CPS=983296.201776 Intercept Conc=471.029034
Sensitivity=2087.549028 Correlation Coeff=0.999969

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	983296.20	0.00
S1 (S)	500.000	512.297	12.297	2052742.02	2.46
S2 (S)	6250.000	6253.071	3.071	14036888.28	0.05
S3 (S)	12500.000	12396.012	103.988	26860579.29	0.83
S4 (S)	25000.000	25298.179	298.179	53794485.41	1.19
S5 (S)	50000.000	49876.401	123.599	105102727.71	0.25

43Ca FQ Block 1



Intercept CPS=102.074131 Intercept Conc=20.510395
Sensitivity=4.976702 Correlation Coeff=0.999891

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	102.07	0.00
S1 (S)	500.000	505.661	5.661	2618.60	1.13
S2 (S)	12500.000	12604.407	104.407	62830.46	0.84
S3 (S)	25000.000	25049.915	49.915	124768.05	0.20
S4 (S)	50000.000	51169.427	1169.427	254757.09	2.34
S5 (S)	100000.000	99389.729	610.271	494735.18	0.61

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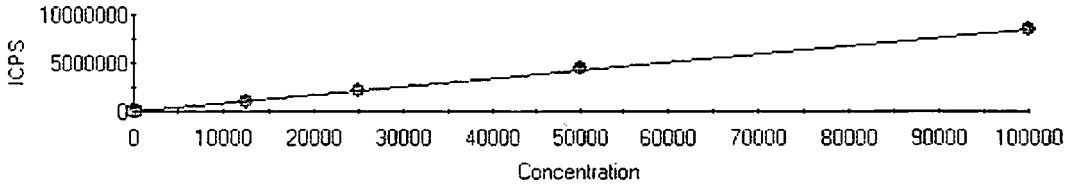
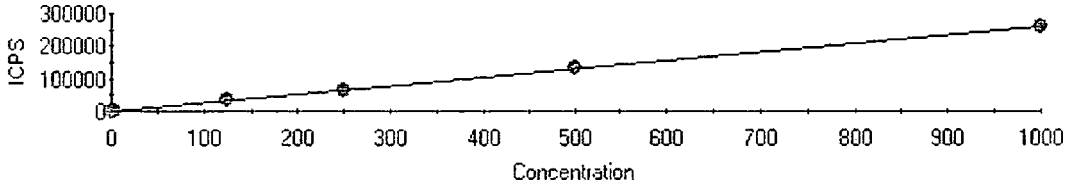
44Ca FQ Block 1



Intercept CPS=2165.940666 Intercept Conc=25.625369
Sensitivity=84.523298 Correlation Coeff=0.999879

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	2165.94	0.00
S1 (S)	500.000	498.278	1.722	44282.05	0.34
S2 (S)	12500.000	12250.916	249.084	1037653.78	1.99
S3 (S)	25000.000	24666.600	333.400	2087068.35	1.33
S4 (S)	50000.000	51180.676	1180.676	4328125.47	2.36
S5 (S)	100000.000	99524.156	475.844	8414275.81	0.48

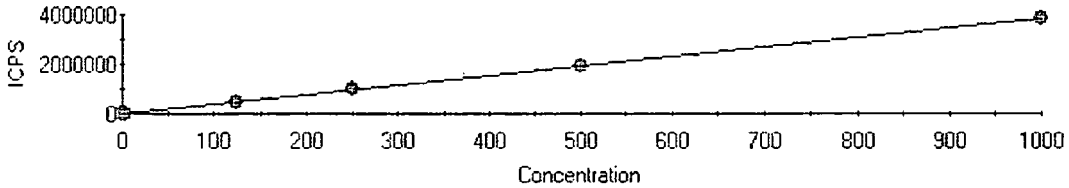
47Ti FQ Block 1



Intercept CPS=241.247115 Intercept Conc=0.935127
Sensitivity=257.983203 Correlation Coeff=0.999898

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	241.25	0.00
S1 (S)	5.000	4.612	0.388	1431.17	7.75
S2 (S)	125.000	125.217	0.217	32545.11	0.17
S3 (S)	250.000	249.877	0.123	64705.38	0.05
S4 (S)	500.000	511.241	11.241	132132.87	2.25
S5 (S)	1000.000	994.385	5.615	256775.86	0.56

51V FQ Block 1



Intercept CPS=456.337040 Intercept Conc=0.118582
Sensitivity=3848.274059 Correlation Coeff=0.999967

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	456.34	0.00
S1 (S)	5.000	4.891	0.109	19277.07	2.19
S2 (S)	125.000	124.900	0.100	481107.12	0.08
S3 (S)	250.000	250.610	0.610	964871.80	0.24
S4 (S)	500.000	506.419	6.419	1949293.79	1.28
S5 (S)	1000.000	996.651	3.349	3835843.48	0.33

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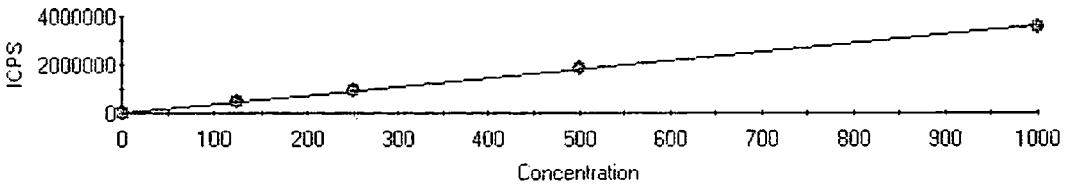
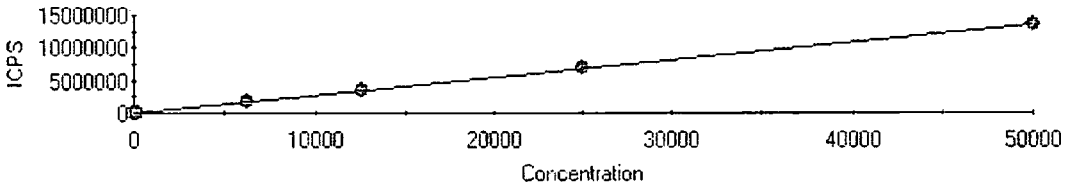
52Cr FQ Block 1



Intercept CPS=3147.555281 Intercept Conc=0.879915
Sensitivity=3577.112138 Correlation Coeff=0.999914

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	3147.56	0.00
S1 (S)	2.000	2.087	0.087	10614.61	4.37
S2 (S)	125.000	126.108	1.108	454248.35	0.89
S3 (S)	250.000	252.065	2.065	904810.88	0.83
S4 (S)	500.000	510.290	10.290	1828511.01	2.06
S5 (S)	1000.000	994.200	5.800	3559513.83	0.58

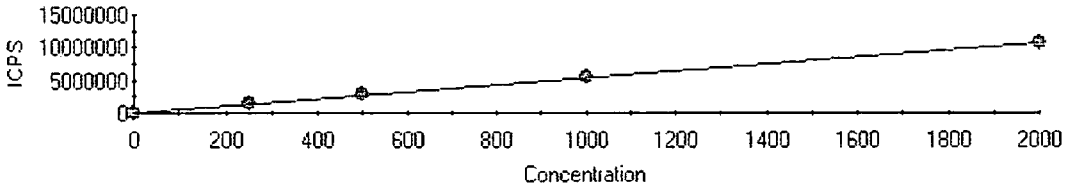
54Fe FQ Block 1



Intercept CPS=20807.897406 Intercept Conc=77.009847
Sensitivity=270.197882 Correlation Coeff=0.999916

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	20807.90	0.00
S1 (S)	200.000	210.557	10.557	77699.99	5.28
S2 (S)	6250.000	6566.131	316.131	1794962.47	5.06
S3 (S)	12500.000	12727.748	227.748	3459818.38	1.82
S4 (S)	25000.000	25437.268	437.268	6893903.82	1.75
S5 (S)	50000.000	49684.871	315.129	13445554.67	0.63

55Mn FQ Block 1



Intercept CPS=1328.239495 Intercept Conc=0.246311
Sensitivity=5392.526044 Correlation Coeff=0.999848

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	1328.24	0.00
S1 (S)	1.000	1.112	0.112	7326.16	11.23
S2 (S)	250.000	255.115	5.115	1377041.10	2.05
S3 (S)	500.000	511.690	11.690	2760628.53	2.34
S4 (S)	1000.000	1025.823	25.823	5533104.40	2.58
S5 (S)	2000.000	1983.527	16.473	10697547.98	0.82

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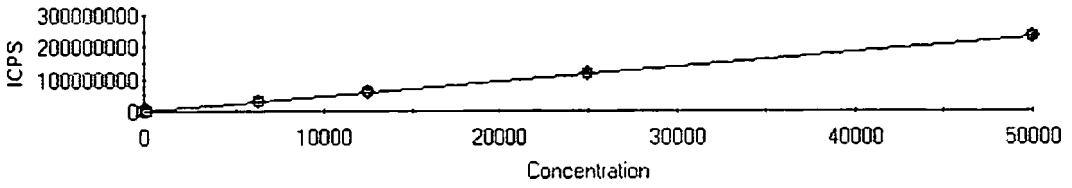
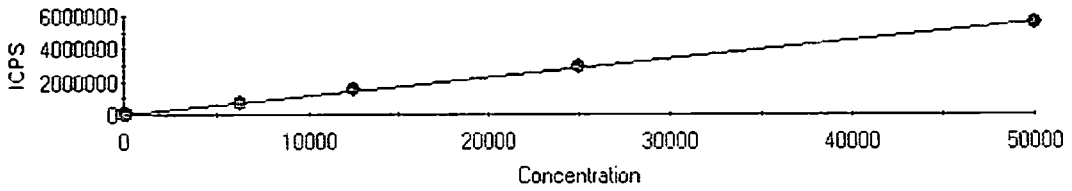
56Fe FQ Block 1



Intercept CPS=333936.092862 Intercept Conc=72.739839
Sensitivity=4590.828052 Correlation Coeff=0.999893

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	333936.09	0.00
S1 (S)	200.000	216.088	16.088	1325959.21	8.04
S2 (S)	6250.000	6363.388	113.388	29547155.61	1.81
S3 (S)	12500.000	12636.303	136.303	58345030.56	1.09
S4 (S)	25000.000	25568.899	568.899	117716354.06	2.28
S5 (S)	50000.000	49667.237	332.763	228347681.64	0.67

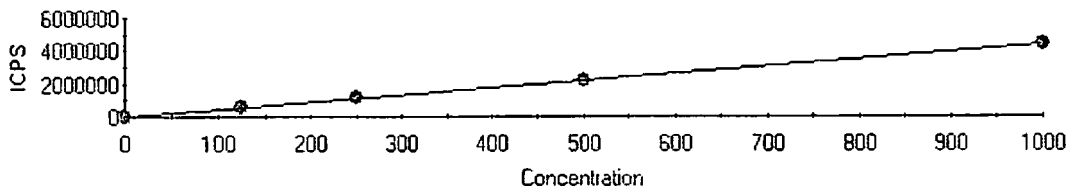
57Fe FQ Block 1



Intercept CPS=4158.434695 Intercept Conc=36.969739
Sensitivity=112.482124 Correlation Coeff=0.999838

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	4158.43	0.00
S1 (S)	200.000	211.295	11.295	27925.34	5.65
S2 (S)	6250.000	6488.429	238.429	733990.71	3.81
S3 (S)	12500.000	12904.835	404.835	1455721.64	3.24
S4 (S)	25000.000	25620.470	620.470	2886003.30	2.48
S5 (S)	50000.000	49558.708	441.292	5578627.10	0.88

59Co FQ Block 1



Intercept CPS=103.352043 Intercept Conc=0.024728
Sensitivity=4422.196704 Correlation Coeff=0.999935

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	109.35	0.00
S1 (S)	1.000	1.070	0.070	4840.19	6.98
S2 (S)	125.000	126.227	1.227	558311.46	0.98
S3 (S)	250.000	253.242	3.242	1119994.31	1.30
S4 (S)	500.000	508.601	8.601	2249244.58	1.72
S5 (S)	1000.000	994.735	5.265	4399024.92	0.53

Reviewed By:jaswal
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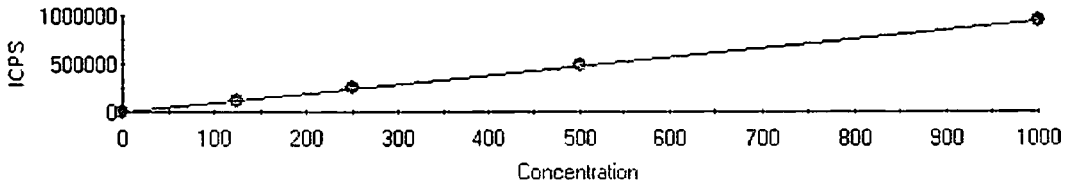
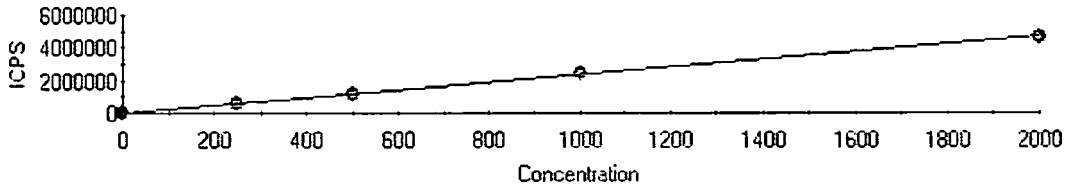
60Ni FQ Block 1



Intercept CPS=245.927323 Intercept Conc=0.258598
Sensitivity=951.000760 Correlation Coeff=0.999926

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	245.93	0.00
S1 (S)	1.000	1.063	0.063	1257.02	6.32
S2 (S)	125.000	128.308	3.308	122266.60	2.65
S3 (S)	250.000	254.413	4.413	242193.08	1.77
S4 (S)	500.000	508.818	8.818	484131.77	1.76
S5 (S)	1000.000	994.074	5.926	945611.46	0.59

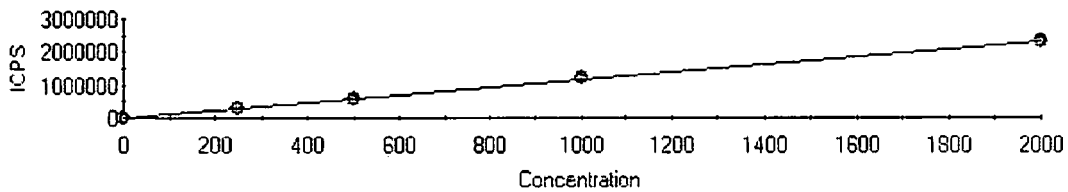
63Cu FQ Block 1



Intercept CPS=374.580373 Intercept Conc=0.159292
Sensitivity=2351.535621 Correlation Coeff=0.999838

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	374.58	0.00
S1 (S)	2.000	2.155	0.155	5441.75	7.74
S2 (S)	250.000	257.955	7.955	606963.91	3.18
S3 (S)	500.000	510.164	10.164	1200042.31	2.03
S4 (S)	1000.000	1027.008	27.008	2415419.44	2.70
S5 (S)	2000.000	1982.961	17.039	4663377.68	0.85

65Cu FQ Block 1



Intercept CPS=159.969260 Intercept Conc=0.137255
Sensitivity=1165.490404 Correlation Coeff=0.999902

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	159.97	0.00
S1 (S)	2.000	2.134	0.134	2647.47	6.71
S2 (S)	250.000	255.682	5.682	298155.20	2.27
S3 (S)	500.000	506.755	6.755	590777.96	1.35
S4 (S)	1000.000	1021.355	21.355	1190539.05	2.14
S5 (S)	2000.000	1986.924	13.076	2315900.26	0.65

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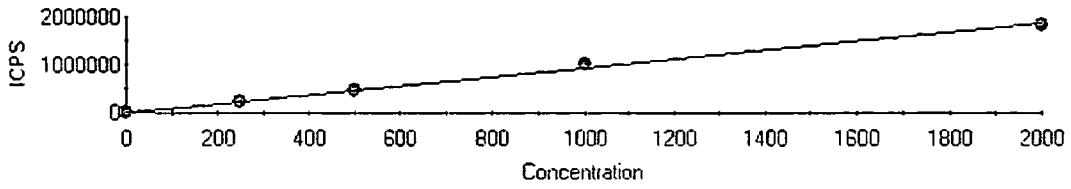
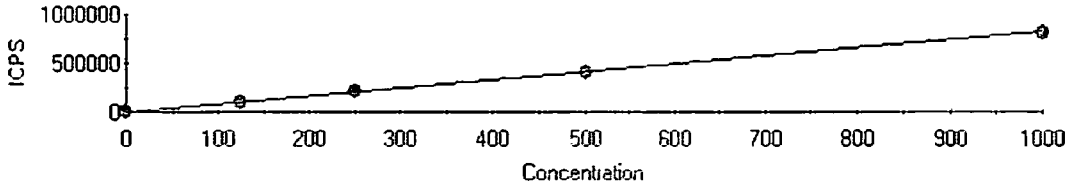
66Zn FQ Block 1



Intercept CPS=310.393069 Intercept Conc=0.336001
Sensitivity=923.786744 Correlation Coeff=0.998359

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	310.39	0.00
S1 (S)	2.000	2.157	0.157	2303.36	7.87
S2 (S)	250.000	253.379	3.379	234378.40	1.35
S3 (S)	500.000	502.704	2.704	464701.57	0.54
S4 (S)	1000.000	1090.282	90.282	1007498.08	9.03
S5 (S)	2000.000	1953.761	46.239	1805168.65	2.31

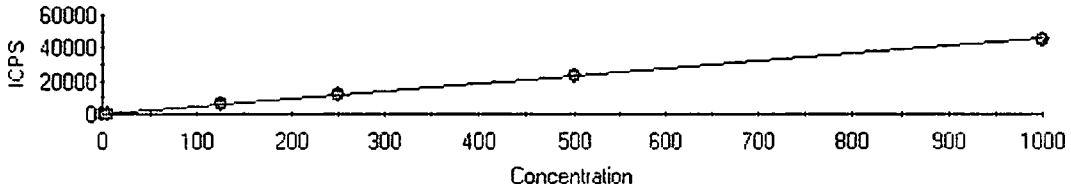
75As FQ Block 1



Intercept CPS=18.662163 Intercept Conc=0.022821
Sensitivity=817.772744 Correlation Coeff=0.999976

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	18.66	0.00
S1 (S)	0.400	0.390	0.010	337.96	2.39
S2 (S)	125.000	123.896	1.104	101337.25	0.88
S3 (S)	250.000	248.150	1.850	202948.72	0.74
S4 (S)	500.000	505.198	5.198	413155.99	1.04
S5 (S)	1000.000	998.002	1.998	816157.09	0.20

77Se FQ Block 1



Intercept CPS=7.284282 Intercept Conc=0.159120
Sensitivity=45.778420 Correlation Coeff=0.999931

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	7.28	0.00
S1 (S)	5.000	4.687	0.313	221.86	6.26
S2 (S)	125.000	126.299	1.299	5789.04	1.04
S3 (S)	250.000	251.882	1.882	11538.02	0.75
S4 (S)	500.000	509.104	9.104	23313.24	1.82
S5 (S)	1000.000	994.817	5.183	45548.44	0.52

Reviewed By:aswal
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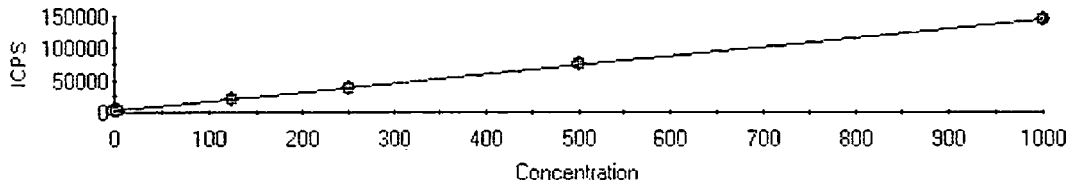
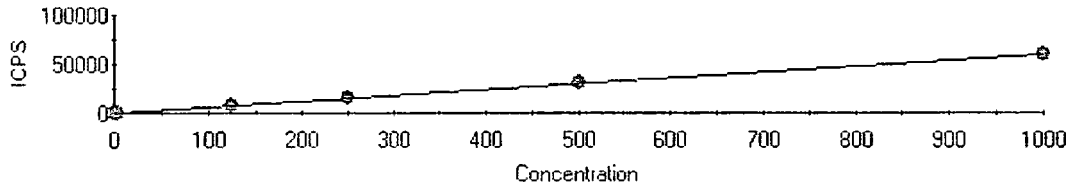
78Se FQ Block 1



Intercept CPS=2228.827312 Intercept Conc=15.563152
Sensitivity=143.211816 Correlation Coeff=0.999966

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	2228.83	0.00
S1 (S)	5.000	5.351	0.351	2995.11	7.01
S2 (S)	125.000	125.713	0.713	20232.47	0.57
S3 (S)	250.000	248.332	1.668	37792.95	0.67
S4 (S)	500.000	506.447	6.447	74757.96	1.29
S5 (S)	1000.000	997.103	2.897	145025.72	0.29

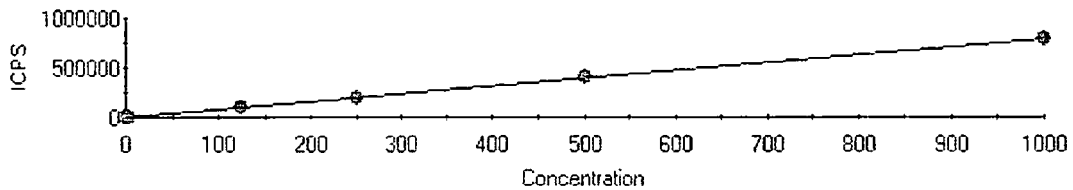
82Se FQ Block 1



Intercept CPS=9.460579 Intercept Conc=0.158725
Sensitivity=59.603729 Correlation Coeff=0.999942

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	9.46	0.00
S1 (S)	5.000	4.674	0.326	288.05	6.52
S2 (S)	125.000	126.062	1.062	7523.25	0.85
S3 (S)	250.000	251.426	1.426	14995.36	0.57
S4 (S)	500.000	508.358	8.358	30309.49	1.67
S5 (S)	1000.000	995.333	4.667	59335.05	0.47

94Mo FQ Block 1



Intercept CPS=74.477587 Intercept Conc=0.094186
Sensitivity=790.746193 Correlation Coeff=0.999990

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	74.48	0.00
S1 (S)	5.000	4.804	0.196	3873.15	3.92
S2 (S)	125.000	124.438	0.562	98473.46	0.45
S3 (S)	250.000	248.788	1.212	196802.57	0.48
S4 (S)	500.000	503.362	3.362	398105.98	0.67
S5 (S)	1000.000	998.693	1.307	789787.39	0.13

Reviewed By: Jaswal
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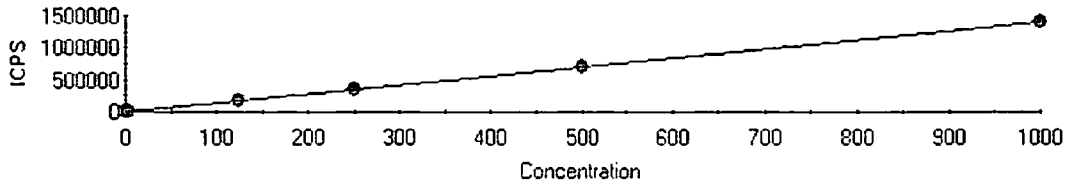
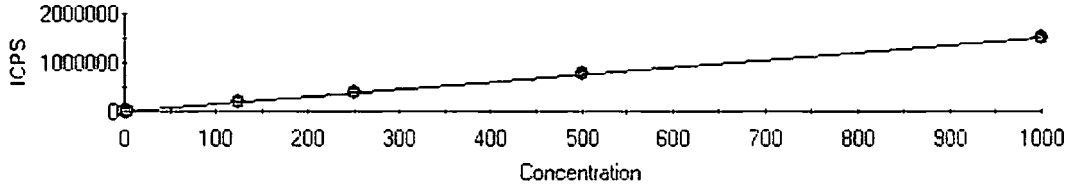
95Mo FQ Block 1



Intercept CPS=45.811896 Intercept Conc=0.033072
Sensitivity=1385.225251 Correlation Coeff=0.999977

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	45.81	0.00
S1 (S)	5.000	4.820	0.180	6723.29	3.59
S2 (S)	125.000	123.655	1.345	171335.57	1.08
S3 (S)	250.000	248.908	1.092	344838.99	0.44
S4 (S)	500.000	505.179	5.179	699832.17	1.04
S5 (S)	1000.000	997.853	2.147	1382296.65	0.21

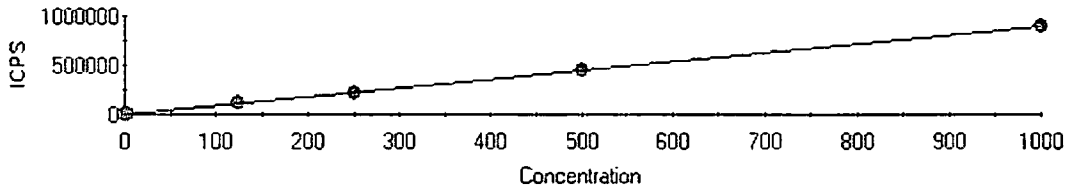
96Mo FQ Block 1



Intercept CPS=67.635822 Intercept Conc=0.044724
Sensitivity=1512.305696 Correlation Coeff=0.999987

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	67.64	0.00
S1 (S)	5.000	4.793	0.207	7316.20	4.14
S2 (S)	125.000	122.572	2.428	185433.89	1.94
S3 (S)	250.000	246.920	3.080	373486.32	1.23
S4 (S)	500.000	502.584	2.584	760128.69	0.52
S5 (S)	1000.000	999.782	0.218	1512044.22	0.02

97Mo FQ Block 1



Intercept CPS=28.600511 Intercept Conc=0.032587
Sensitivity=877.678994 Correlation Coeff=0.999970

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	28.60	0.00
S1 (S)	5.000	4.921	0.079	4347.76	1.58
S2 (S)	125.000	123.548	1.452	108464.26	1.16
S3 (S)	250.000	247.637	2.363	217374.71	0.95
S4 (S)	500.000	505.694	5.694	443865.95	1.14
S5 (S)	1000.000	997.925	2.075	875886.70	0.21

Reviewed By jaswal
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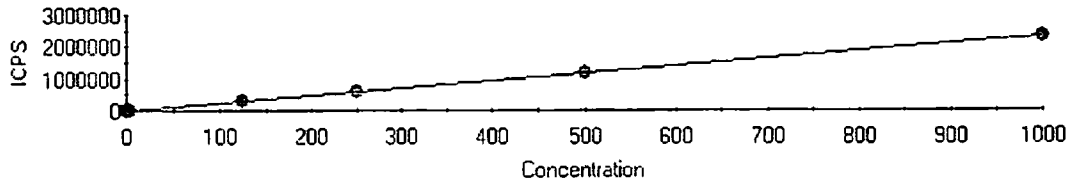
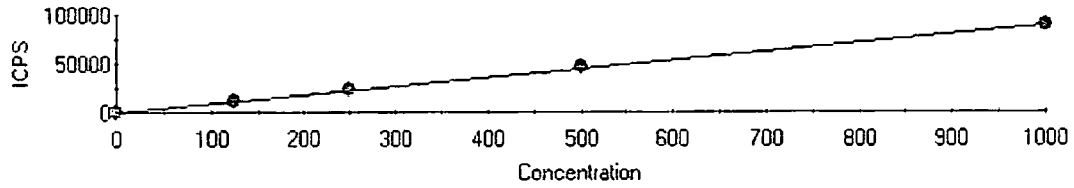
98Mo FQ Block 1



Intercept CPS=86.973414 Intercept Conc=0.038007
Sensitivity=2288.338213 Correlation Coeff=0.999966

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	86.97	0.00
S1 (S)	5.000	4.807	0.193	11086.04	3.87
S2 (S)	125.000	123.800	1.200	283382.19	0.96
S3 (S)	250.000	247.393	2.607	566204.98	1.04
S4 (S)	500.000	506.086	6.086	1158182.17	1.22
S5 (S)	1000.000	997.760	2.240	2283299.38	0.22

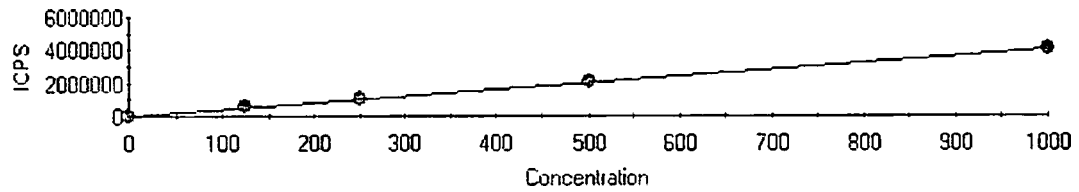
106Cd FQ Block 1



Intercept CPS=495.249685 Intercept Conc=5.584029
Sensitivity=88.690391 Correlation Coeff=0.999921

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	495.25	0.00
S1 (S)	0.400	0.922	0.522	577.01	130.46
S2 (S)	125.000	126.196	1.196	11687.63	0.96
S3 (S)	250.000	252.655	2.655	22903.28	1.06
S4 (S)	500.000	509.784	9.784	45708.21	1.96
S5 (S)	1000.000	994.295	5.705	88679.62	0.57

107Ag FQ Block 1



Intercept CPS=23.971550 Intercept Conc=0.005883
Sensitivity=4074.426997 Correlation Coeff=0.999574

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	23.97	0.00
S1 (S)	1.000	1.101	0.101	4508.65	10.07
S2 (S)	125.000	132.689	7.689	540656.50	6.15
S3 (S)	250.000	264.718	14.718	1078599.68	5.89
S4 (S)	500.000	519.087	19.087	2115006.53	3.82
S5 (S)	1000.000	985.816	14.184	4016657.64	1.42

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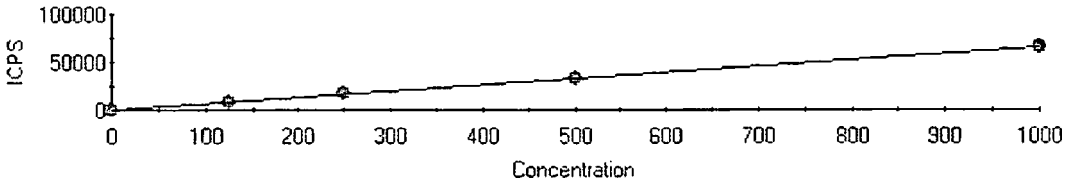
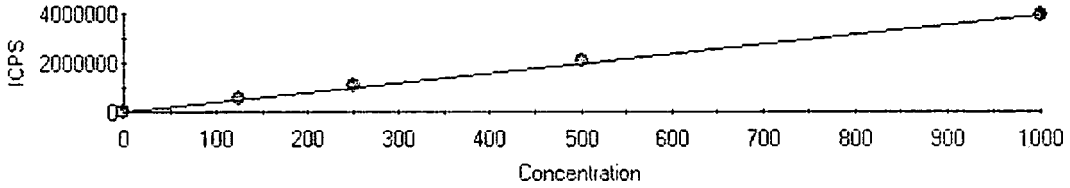
108Cd FQ Block 1



Intercept CPS=361.534500 Intercept Conc=5.587330
Sensitivity=64.706134 Correlation Coeff=0.999922

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	361.53	0.00
S1 (S)	1.000	0.925	0.075	421.39	7.49
S2 (S)	125.000	126.232	1.232	8529.55	0.99
S3 (S)	250.000	252.524	2.524	16701.36	1.01
S4 (S)	500.000	509.664	9.664	33339.94	1.93
S5 (S)	1000.000	994.383	5.617	64704.22	0.56

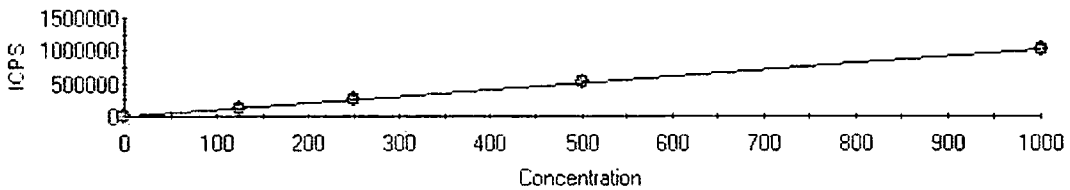
109Ag FQ Block 1



Intercept CPS=14.061440 Intercept Conc=0.003550
Sensitivity=3960.595129 Correlation Coeff=0.999623

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	14.06	0.00
S1 (S)	1.000	1.098	0.098	4362.01	9.78
S2 (S)	125.000	132.641	7.641	525349.87	6.11
S3 (S)	250.000	264.229	14.229	1046517.44	5.69
S4 (S)	500.000	517.721	17.721	2050498.15	3.54
S5 (S)	1000.000	986.627	13.373	3907644.22	1.34

111Cd FQ Block 1



Intercept CPS=408.916196 Intercept Conc=0.405713
Sensitivity=1007.894695 Correlation Coeff=0.999912

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	408.92	0.00
S1 (S)	1.000	1.042	0.042	1459.63	4.25
S2 (S)	125.000	126.812	1.812	128222.18	1.45
S3 (S)	250.000	253.812	3.812	256224.85	1.52
S4 (S)	500.000	510.031	10.031	514466.79	2.01
S5 (S)	1000.000	993.805	6.195	1002059.44	0.62

Reviewed By jaswel
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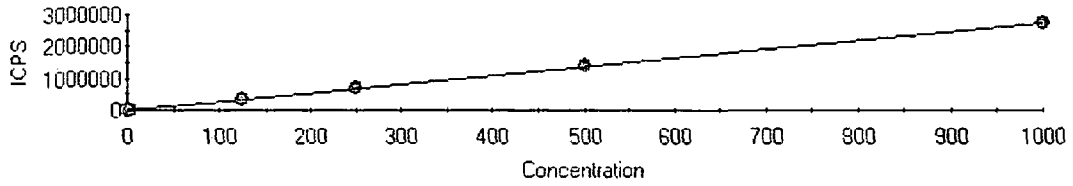
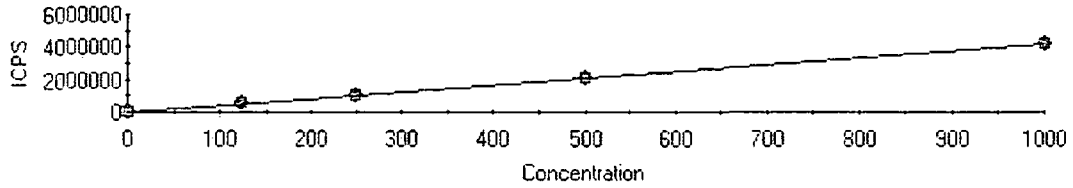
118Sn FQ Block 1



Intercept CPS=160.979170 Intercept Conc=0.059096
Sensitivity=2724.019702 Correlation Coeff=0.999953

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	160.98	0.00
S1 (S)	5.000	4.965	0.035	13684.64	0.71
S2 (S)	125.000	125.697	0.697	342561.81	0.56
S3 (S)	250.000	252.209	2.209	687183.61	0.88
S4 (S)	500.000	507.405	7.405	1382342.22	1.48
S5 (S)	1000.000	995.658	4.342	2712353.75	0.43

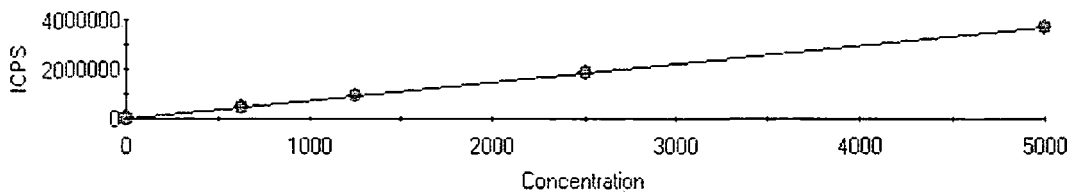
121Sb FQ Block 1



Intercept CPS=46.416273 Intercept Conc=0.011069
Sensitivity=4193.526845 Correlation Coeff=0.999964

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	46.42	0.00
S1 (S)	2.000	2.036	0.036	8584.51	1.80
S2 (S)	125.000	124.831	0.169	523529.02	0.14
S3 (S)	250.000	251.131	1.131	1053169.71	0.45
S4 (S)	500.000	506.608	6.608	2124521.02	1.32
S5 (S)	1000.000	996.434	3.566	4178620.51	0.36

135Ba FQ Block 1



Intercept CPS=8.337534 Intercept Conc=0.011366
Sensitivity=733.542359 Correlation Coeff=0.999996

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	8.34	0.00
S1 (S)	10.000	9.978	0.022	7327.87	0.22
S2 (S)	625.000	623.470	1.530	457350.16	0.24
S3 (S)	1250.000	1239.515	10.485	909245.36	0.84
S4 (S)	2500.000	2505.878	5.878	1838175.90	0.24
S5 (S)	5000.000	4999.873	0.127	3667627.33	0.00

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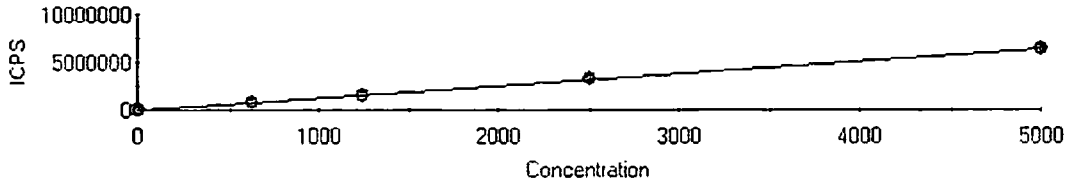
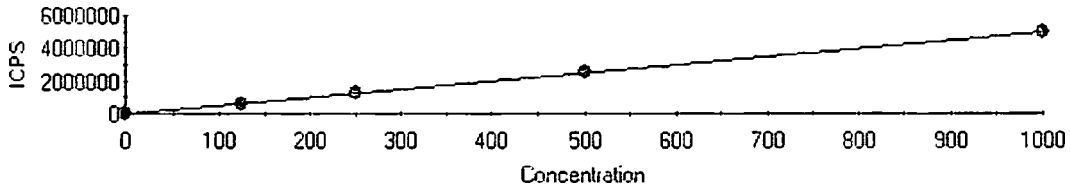
137Ba FQ Block 1



Intercept CPS=13.525388 Intercept Conc=0.010668
Sensitivity=1267.867430 Correlation Coeff=0.999961

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	13.53	0.00
S1 (S)	10.000	10.313	0.313	13088.97	3.13
S2 (S)	625.000	637.744	12.744	808588.53	2.04
S3 (S)	1250.000	1264.085	14.085	1602705.39	1.13
S4 (S)	2500.000	2532.659	32.659	3211090.00	1.31
S5 (S)	5000.000	4978.555	21.445	6312161.81	0.43

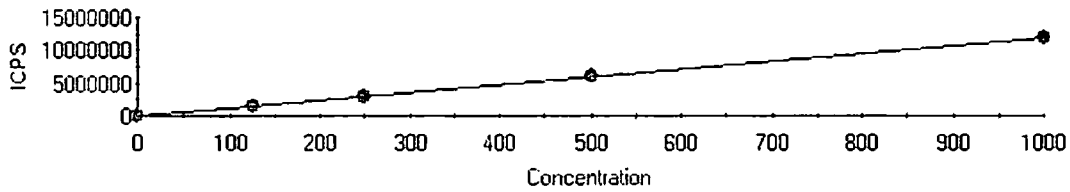
203Tl FQ Block 1



Intercept CPS=104.677441 Intercept Conc=0.021186
Sensitivity=4940.837361 Correlation Coeff=0.999887

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	104.68	0.00
S1 (S)	0.900	0.910	0.010	4603.09	1.16
S2 (S)	125.000	125.613	0.613	620739.81	0.49
S3 (S)	250.000	248.719	1.281	1228984.55	0.51
S4 (S)	500.000	511.897	11.897	2529305.11	2.38
S5 (S)	1000.000	994.295	5.705	4912754.68	0.57

205Tl FQ Block 1



Intercept CPS=246.348141 Intercept Conc=0.020860
Sensitivity=11809.566872 Correlation Coeff=0.999922

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	246.35	0.00
S1 (S)	0.900	0.928	0.028	11210.12	3.15
S2 (S)	125.000	126.368	1.368	1492593.96	1.09
S3 (S)	250.000	250.714	0.714	2961073.49	0.29
S4 (S)	500.000	509.896	9.896	6021892.55	1.98
S5 (S)	1000.000	994.703	5.297	11747253.71	0.53

Reviewed By:Jaswal
On:11/21/2011
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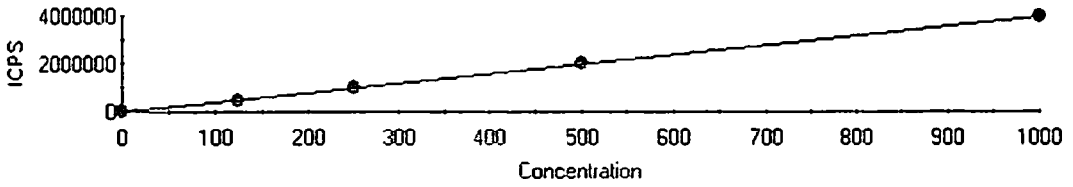
Inst Id :P6

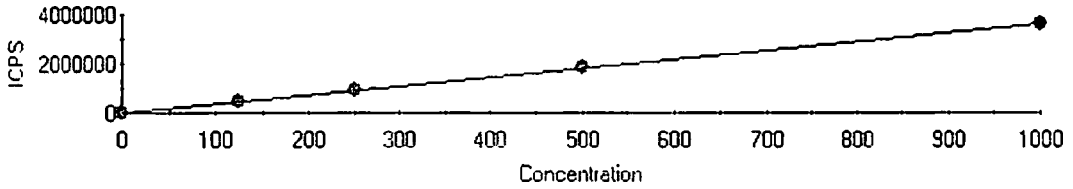
206Pb FQ Block 1



Intercept CPS=175.073344 Intercept Conc=0.044802
Sensitivity=3907.707077 Correlation Coeff=0.999980

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	175.07	0.00
S1 (S)	1.000	1.065	0.065	4336.59	6.50
S2 (S)	125.000	125.986	0.986	492489.84	0.79
S3 (S)	250.000	249.520	0.480	975227.96	0.19
S4 (S)	500.000	505.033	5.033	1973694.67	1.01
S5 (S)	1000.000	997.480	2.520	3898035.91	0.25

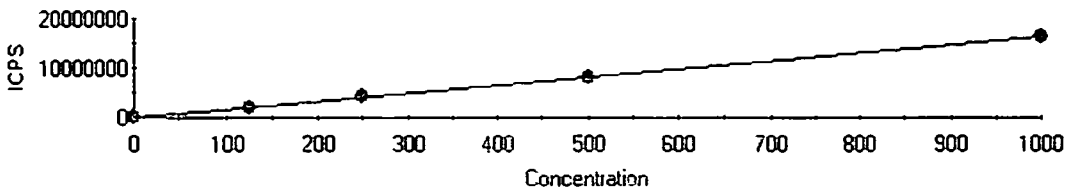
207Pb FQ Block 1



Intercept CPS=168.195266 Intercept Conc=0.046100
Sensitivity=3648.468269 Correlation Coeff=0.999975

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	168.20	0.00
S1 (S)	1.000	1.041	0.041	3965.49	4.08
S2 (S)	125.000	125.927	0.927	459608.23	0.74
S3 (S)	250.000	250.838	0.838	915343.31	0.34
S4 (S)	500.000	505.628	5.628	1844935.23	1.13
S5 (S)	1000.000	996.861	3.139	3637182.67	0.31

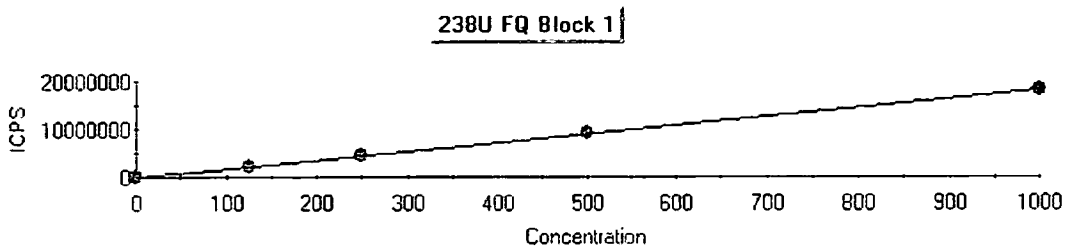
208Pb FQ Block 1



Intercept CPS=712.066423 Intercept Conc=0.044080
Sensitivity=16153.950416 Correlation Coeff=0.999949

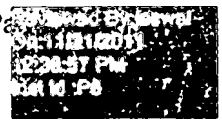
Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	0.000	0.000	712.07	0.00
S1 (S)	1.000	1.050	0.050	17670.34	4.98
S2 (S)	125.000	126.247	1.247	2040094.43	1.00
S3 (S)	250.000	250.647	0.647	4049656.41	0.26
S4 (S)	500.000	508.045	8.045	8207642.55	1.61
S5 (S)	1000.000	995.660	4.340	16084552.53	0.43

Reviewed By:aswal
On:11/21/2011
12:38:57 PM
Inst Id :P6



Intercept CPS=32.806161 Intercept Conc=0.001817
Sensitivity=18054.465921 Correlation Coeff=0.999983

Label	Defined	Measured	Error	Mean CPS	% Error
S0 (S0)	0.000	-0.000	0.000	32.81	0.00
S1 (S)	1.000	1.034	0.034	18696.46	3.37
S2 (S)	125.000	126.312	1.312	2280526.90	1.05
S3 (S)	250.000	250.277	0.277	4518659.02	0.11
S4 (S)	500.000	504.646	4.646	9111149.71	0.93
S5 (S)	1000.000	997.444	2.556	18008342.98	0.26



Dilution Corrected Concentrations

S0 (S0) 11/18/2011 10:45:10 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	22:46:19	99%	0.080	0.263	0.000	0.379	0.103	0.047	-0.178	-0.228
2	22:47:27	101%	-0.029	-0.168	0.000	-2.057	-0.058	0.137	0.135	0.123
3	22:48:35	100%	-0.052	-0.096	0.000	1.678	-0.045	-0.185	0.043	0.105
x		100%	-0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
σ		1%	0.071	0.231	0.000	1.896	0.089	0.166	0.161	0.197
%RSD		1	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	22:46:19	-0.090	1.302	0.000	0.000	1.069	-0.602	0.555	99%	0.120
2	22:47:27	-0.049	-0.236	0.000	0.000	-3.129	0.141	-0.272	100%	-0.011
3	22:48:35	0.139	-1.066	0.000	0.000	2.061	0.461	-0.284	100%	-0.108
x		0.000	0.000	0.000	0.000	-0.000	0.000	-0.000	100%	-0.000
σ		0.122	1.201	0.000	0.000	2.755	0.545	0.481	1%	0.114
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	1	0.000
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:19	0.037	-0.016	-0.031	-0.295	0.003	0.358	0.033	-0.002	0.029
2	22:47:27	-0.008	0.020	0.015	0.873	-0.016	-0.155	0.315	0.001	-0.008
3	22:48:35	-0.029	-0.003	0.017	-0.578	0.012	-0.203	-0.348	0.001	-0.021
x		0.000	-0.000	-0.000	0.000	0.000	-0.000	0.000	-0.000	0.000
σ		0.033	0.018	0.027	0.769	0.014	0.311	0.333	0.001	0.026
%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	22:46:19	0.013	0.019	-0.007	-0.002	-0.072	-0.001	0.017	-0.072	0.451
2	22:47:27	-0.009	-0.016	-0.017	-0.006	0.172	0.000	-0.024	0.171	-1.331
3	22:48:35	-0.004	-0.004	0.025	0.008	-0.099	0.000	0.008	-0.099	0.880
x		-0.000	-0.000	-0.000	0.000	0.000	0.000	-0.000	0.000	-0.000
σ		0.011	0.018	0.022	0.007	0.149	0.001	0.022	0.149	1.173
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:19	-0.001	-0.005	-0.012	-0.015	0.000	0.000	99%	-0.228	0.001
2	22:47:27	0.000	0.003	-0.002	0.005	-0.007	-0.000	100%	0.005	-0.001
3	22:48:35	0.000	0.002	0.015	0.010	0.006	-0.000	100%	0.223	-0.000
x		0.000	0.000	0.000	0.000	0.000	-0.000	100%	0.000	0.000
σ		0.001	0.004	0.014	0.013	0.006	0.000	1%	0.226	0.001
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	1	0.000	0.000
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:46:19	0.079	-0.230	0.000	-0.017	0.005	0.006	0.004	-0.007	100%
2	22:47:27	-0.028	0.005	-0.001	0.002	-0.007	-0.004	-0.001	0.004	100%
3	22:48:35	-0.051	0.225	0.001	0.015	0.002	-0.002	-0.003	0.003	100%
x		-0.000	-0.000	0.000	0.000	0.000	0.000	0.000	-0.000	100%
σ		0.069	0.227	0.001	0.016	0.006	0.005	0.003	0.006	0%
%RSD		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	22:46:19	99%	-0.001	-0.000	0.005	-0.001	0.002	100%	-0.000	
2	22:47:27	101%	0.001	0.000	-0.008	0.007	-0.001	100%	-0.000	
3	22:48:35	100%	0.000	0.000	0.003	-0.007	-0.001	100%	0.001	
x		100%	-0.000	-0.000	0.000	-0.000	0.000	100%	-0.000	
σ		1%	0.001	0.000	0.007	0.007	0.002	0%	0.000	
%RSD		1	0.000	0.000	0.000	0.000	0.000	0	0.000	

Reviewed By:sw/24
On:11/21/2011
12:38:57 PM
Inst Id :P6

S1 (S) 11/18/2011 10:53:02 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	22:54:10	101%	1.035	5.377	0.000	509.500	556.500	540.600	548.600	23.770
2	22:55:18	100%	1.069	5.146	0.000	522.400	569.800	550.100	553.300	24.750
3	22:56:26	103%	0.965	5.532	0.000	503.900	555.000	539.400	547.500	23.260
x		101%	1.023	5.352	0.000	511.900	560.400	543.400	549.800	23.920
σ		2%	0.053	0.194	0.000	9.493	8.156	5.847	3.100	0.760
%RSD		2	5.201	3.631	0.000	1.854	1.455	1.076	0.564	3.176
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:10	6.163	-1.349	0.000	0.000	510.400	507.000	492.100	100%	4.612
2	22:55:18	6.346	-1.444	0.000	0.000	514.600	513.100	501.600	100%	4.604
3	22:56:26	6.564	-1.568	0.000	0.000	511.900	496.800	501.100	101%	4.621
x		6.358	-1.453	0.000	0.000	512.300	505.700	498.300	100%	4.612
σ		0.200	0.110	0.000	0.000	2.090	8.222	5.385	0%	0.008
%RSD		3.153	7.558	0.000	0.000	0.408	1.626	1.081	0	0.180
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:10	4.833	2.049	0.003	211.100	1.097	213.900	209.600	1.074	1.024
2	22:55:18	4.935	2.095	-0.023	210.300	1.116	216.400	211.700	1.065	1.112
3	22:56:26	4.904	2.118	-0.153	210.300	1.123	218.000	212.500	1.070	1.054
x		4.891	2.087	-0.058	210.600	1.112	216.100	211.300	1.070	1.063
σ		0.052	0.035	0.083	0.438	0.013	2.068	1.489	0.004	0.045
%RSD		1.068	1.677	144.700	0.208	1.212	0.957	0.705	0.398	4.187
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:10	2.145	2.111	2.187	0.480	4.622	-0.009	4.965	4.608	1.661
2	22:55:18	2.176	2.135	2.172	0.298	4.557	0.016	5.552	4.544	0.304
3	22:56:26	2.143	2.158	2.113	0.393	4.883	0.003	5.535	4.870	1.036
x		2.155	2.134	2.157	0.390	4.687	0.003	5.351	4.674	1.000
σ		0.019	0.024	0.039	0.091	0.172	0.012	0.334	0.173	0.679
%RSD		0.863	1.102	1.800	23.280	3.681	386.100	6.246	3.695	67.910
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:10	4.639	4.808	4.761	4.903	4.733	0.002	100%	0.573	1.105
2	22:55:18	4.946	4.876	4.876	4.949	4.814	0.000	100%	0.962	1.090
3	22:56:26	4.826	4.778	4.743	4.912	4.873	-0.000	101%	1.231	1.107
x		4.804	4.820	4.793	4.921	4.807	0.001	100%	0.922	1.101
σ		0.155	0.050	0.072	0.024	0.070	0.001	0%	0.331	0.009
%RSD		3.220	1.043	1.502	0.491	1.466	157.000	0	35.890	0.862
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	22:54:10	0.346	0.574	1.074	1.020	4.892	2.039	9.984	10.110	100%
2	22:55:18	-0.004	0.967	1.098	1.026	5.073	2.038	10.160	10.570	98%
3	22:56:26	0.047	1.234	1.121	1.082	4.928	2.032	9.795	10.260	100%
x		0.130	0.925	1.098	1.042	4.965	2.036	9.978	10.310	99%
σ		0.189	0.332	0.024	0.034	0.096	0.004	0.180	0.237	1%
%RSD		146.300	35.910	2.140	3.294	1.929	0.174	1.805	2.295	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	22:54:10	100%	0.893	0.927	1.033	1.035	1.045	101%	1.015	
2	22:55:18	99%	0.944	0.934	1.114	1.077	1.084	99%	1.046	
3	22:56:26	100%	0.894	0.924	1.048	1.011	1.020	101%	1.040	
x		100%	0.910	0.928	1.065	1.041	1.050	100%	1.034	
σ		1%	0.029	0.005	0.043	0.033	0.032	1%	0.016	
%RSD		1	3.219	0.555	4.025	3.190	3.058	1	1.585	

Reviewed By jaswal
on 11/21/2011
12:38:57 PM
Inst id: P8

S2 (S) 11/18/2011 11:00:54 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	23:02:02	102%	125.200	123.600	0.000	12600.000	12810.000	12810.000	12800.000	2551.000
2	23:03:10	103%	124.600	123.900	0.000	12440.000	12640.000	12700.000	12660.000	2520.000
3	23:04:18	101%	124.700	124.900	0.000	12590.000	12690.000	12710.000	12710.000	2517.000
x		102%	124.800	124.100	0.000	12540.000	12710.000	12740.000	12720.000	2530.000
σ		1%	0.310	0.699	0.000	91.850	89.240	57.160	71.940	18.640
%RSD		1	0.249	0.563	0.000	0.732	0.702	0.449	0.565	0.737
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:02	126.300	2468.000	0.000	0.000	6262.000	12630.000	12270.000	100%	125.200
2	23:03:10	128.000	2433.000	0.000	0.000	6243.000	12580.000	12230.000	100%	123.800
3	23:04:18	124.700	2444.000	0.000	0.000	6254.000	12600.000	12250.000	99%	126.600
x		126.300	2448.000	0.000	0.000	6253.000	12600.000	12250.000	100%	125.200
σ		1.646	17.940	0.000	0.000	9.263	20.720	22.210	0%	1.403
%RSD		1.303	0.733	0.000	0.000	0.148	0.164	0.181	0	1.120
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:02	125.800	126.800	-0.480	6551.000	255.000	6362.000	6496.000	127.000	129.000
2	23:03:10	124.100	125.600	0.347	6563.000	255.800	6346.000	6465.000	125.900	128.100
3	23:04:18	124.800	126.000	-0.097	6584.000	254.500	6382.000	6505.000	125.700	127.800
x		124.900	126.100	-0.077	6566.000	255.100	6363.000	6488.000	126.200	128.300
σ		0.864	0.616	0.414	16.650	0.645	18.300	21.000	0.688	0.580
%RSD		0.691	0.488	539.100	0.254	0.253	0.288	0.324	0.545	0.452
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:02	258.800	255.700	253.700	123.700	125.400	-0.092	124.700	125.200	0.208
2	23:03:10	257.800	255.200	251.400	123.600	127.700	-0.209	125.600	127.500	0.643
3	23:04:18	257.300	256.100	255.000	124.400	125.800	-0.100	126.800	125.600	0.892
x		258.000	255.700	253.400	123.900	126.300	-0.134	125.700	126.100	0.581
σ		0.774	0.466	1.819	0.417	1.236	0.066	1.052	1.220	0.346
%RSD		0.300	0.182	0.718	0.336	0.978	49.170	0.837	0.967	59.550
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:02	123.900	123.500	122.400	122.700	124.200	-0.001	99%	125.700	131.800
2	23:03:10	123.400	122.700	121.500	123.300	123.200	0.001	99%	125.700	132.400
3	23:04:18	126.100	124.700	123.800	124.700	124.000	0.002	98%	127.200	133.800
x		124.400	123.700	122.600	123.500	123.800	0.001	99%	126.200	132.700
σ		1.422	1.013	1.162	1.031	0.536	0.001	1%	0.898	0.987
%RSD		1.143	0.819	0.948	0.835	0.433	205.900	1	0.712	0.744
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:02:02	0.109	125.700	131.200	127.200	125.000	123.800	620.000	633.700	100%
2	23:03:10	2.308	125.800	133.500	126.300	126.100	125.000	627.300	642.100	99%
3	23:04:18	2.521	127.200	133.300	126.900	125.900	125.700	623.100	637.400	101%
x		1.646	126.200	132.600	126.800	125.700	124.800	623.500	637.700	100%
σ		1.335	0.838	1.265	0.460	0.577	0.962	3.632	4.203	1%
%RSD		81.110	0.664	0.954	0.363	0.459	0.770	0.583	0.659	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	23:02:02	101%	125.800	126.000	125.600	125.400	125.700	100%	126.400	
2	23:03:10	101%	125.300	126.000	125.900	125.700	126.200	101%	125.500	
3	23:04:18	101%	125.700	127.200	126.500	126.700	126.800	101%	127.000	
x		101%	125.600	126.400	126.000	125.900	126.200	101%	126.300	
σ		0%	0.314	0.703	0.494	0.675	0.523	1%	0.753	
%RSD		0	0.250	0.556	0.392	0.536	0.415	1	0.596	

Reviewed By:jeswal
On:11/21/2011
12:38:57 PM
Ref Id :P8

S3 (S) 11/18/2011 11:08:46 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	23:09:55	99%	248.100	246.900	0.000	24890.000	24970.000	25110.000	24940.000	4976.000
2	23:11:03	99%	248.800	240.300	0.000	24860.000	24940.000	24990.000	24950.000	4971.000
3	23:12:11	99%	249.900	253.400	0.000	24730.000	24910.000	25030.000	25010.000	4968.000
x		99%	248.900	246.900	0.000	24830.000	24940.000	25040.000	24970.000	4971.000
σ		0%	0.943	6.559	0.000	85.470	30.970	60.350	37.820	3.878
%RSD		0	0.379	2.657	0.000	0.344	0.124	0.241	0.152	0.078

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:55	249.600	4902.000	0.000	0.000	12410.000	25080.000	25100.000	97%	249.700
2	23:11:03	248.700	4874.000	0.000	0.000	12350.000	24980.000	24480.000	97%	250.100
3	23:12:11	246.300	4886.000	0.000	0.000	12420.000	25090.000	24420.000	96%	249.800
x		248.200	4888.000	0.000	0.000	12400.000	25050.000	24670.000	97%	249.900
σ		1.730	13.970	0.000	0.000	38.030	63.530	375.200	0%	0.221
%RSD		0.697	0.286	0.000	0.000	0.307	0.254	1.521	0	0.089

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:55	251.400	253.900	-2.307	12750.000	512.500	12700.000	12900.000	252.600	253.600
2	23:11:03	250.500	250.900	-1.018	12740.000	510.100	12590.000	12860.000	252.600	254.000
3	23:12:11	249.900	251.400	-0.982	12690.000	512.500	12610.000	12960.000	254.500	255.600
x		250.600	252.100	-1.436	12730.000	511.700	12640.000	12900.000	253.200	254.400
σ		0.733	1.626	0.754	32.290	1.409	59.810	49.930	1.116	1.087
%RSD		0.293	0.645	52.540	0.254	0.275	0.473	0.387	0.441	0.427

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:55	508.900	506.600	500.800	247.000	251.900	-0.302	247.800	251.400	0.879
2	23:11:03	508.800	503.800	502.100	248.700	249.900	-0.321	249.100	249.500	1.145
3	23:12:11	512.700	509.900	505.300	248.800	253.800	-0.317	248.200	253.300	0.420
x		510.200	506.800	502.700	248.100	251.900	-0.313	248.300	251.400	0.814
σ		2.217	3.035	2.310	1.011	1.937	0.010	0.668	1.918	0.367
%RSD		0.435	0.599	0.460	0.407	0.769	3.100	0.269	0.763	45.050

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:55	248.800	248.500	247.400	246.900	247.500	0.000	96%	250.800	264.900
2	23:11:03	248.500	248.100	246.500	248.000	247.500	0.003	96%	254.400	264.000
3	23:12:11	249.000	250.100	246.800	248.000	247.200	0.003	96%	252.800	265.200
x		248.800	248.900	246.900	247.600	247.400	0.002	96%	252.700	264.700
σ		0.275	1.026	0.474	0.645	0.142	0.001	0%	1.785	0.601
%RSD		0.111	0.412	0.192	0.261	0.057	68.180	0	0.707	0.227

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:55	4.733	250.700	264.400	253.400	251.900	250.800	1236.000	1262.000	99%
2	23:11:03	2.817	254.200	263.500	253.400	251.800	249.700	1241.000	1260.000	99%
3	23:12:11	2.841	252.700	264.700	254.600	253.000	252.900	1242.000	1271.000	98%
x		3.464	252.500	264.200	253.800	252.200	251.100	1240.000	1264.000	99%
σ		1.099	1.768	0.617	0.656	0.666	1.659	3.007	5.902	0%
%RSD		31.730	0.700	0.233	0.258	0.264	0.661	0.243	0.467	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:09:55	100%	251.000	253.600	252.300	253.500	252.500	99%	250.600
2	23:11:03	99%	247.200	249.600	247.800	252.400	250.300	100%	250.100
3	23:12:11	100%	248.000	248.900	248.500	246.700	249.100	100%	250.100
x		100%	248.700	250.700	249.500	250.800	250.600	99%	250.300
σ		0%	2.043	2.503	2.405	3.664	1.725	1%	0.289
%RSD		0	0.821	0.998	0.964	1.461	0.688	1	0.116

Reviewed By jeswal
On 11/21/2011
12:38:57 PM
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S4 (S) 11/18/2011 11:16:40 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	23:17:48	99%	506.300	500.100	0.000	50940.000	51250.000	50820.000	50930.000	10220.000
2	23:18:56	98%	515.100	506.700	0.000	50770.000	51300.000	51010.000	51050.000	10270.000
3	23:20:04	99%	512.800	522.400	0.000	51120.000	51090.000	50940.000	51040.000	10220.000
x		98%	511.400	509.700	0.000	50940.000	51210.000	50920.000	51010.000	10230.000
σ		1%	4.561	11.440	0.000	175.500	110.300	93.750	69.070	30.050
%RSD		1	0.892	2.245	0.000	0.344	0.215	0.184	0.135	0.294
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:17:48	510.500	10050.000	0.000	0.000	25380.000	51540.000	51100.000	96%	511.200
2	23:18:56	513.000	10080.000	0.000	0.000	25230.000	50520.000	51050.000	98%	510.400
3	23:20:04	508.800	10100.000	0.000	0.000	25280.000	51450.000	51390.000	99%	512.100
x		510.600	10080.000	0.000	0.000	25300.000	51170.000	51180.000	98%	511.200
σ		2.124	24.820	0.000	0.000	75.410	567.000	183.400	1%	0.848
%RSD		0.416	0.246	0.000	0.000	0.298	1.108	0.358	1	0.166
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:17:48	507.600	512.700	1.365	25760.000	1027.000	25650.000	25760.000	511.400	510.400
2	23:18:56	506.800	511.900	-1.761	25220.000	1027.000	25600.000	25550.000	507.800	508.400
3	23:20:04	504.900	506.200	-1.818	25330.000	1024.000	25450.000	25550.000	506.500	507.700
x		506.400	510.300	-0.738	25440.000	1026.000	25570.000	25620.000	508.600	508.800
σ		1.363	3.543	1.821	287.200	1.769	102.300	123.700	2.536	1.373
%RSD		0.269	0.694	246.800	1.129	0.172	0.400	0.483	0.499	0.270
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:17:48	1034.000	1026.000	1102.000	503.500	509.500	-0.212	507.600	508.300	0.757
2	23:18:56	1018.000	1017.000	1085.000	505.700	507.100	-0.417	504.800	506.500	1.081
3	23:20:04	1029.000	1021.000	1084.000	506.400	510.800	-0.418	507.000	510.200	1.914
x		1027.000	1021.000	1090.000	505.200	509.100	-0.349	506.400	508.400	1.251
σ		7.801	4.765	9.771	1.529	1.865	0.118	1.488	1.840	0.597
%RSD		0.760	0.467	0.896	0.303	0.366	33.890	0.294	0.362	47.730
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:17:48	502.100	506.500	501.900	505.200	506.900	0.005	96%	511.300	517.700
2	23:18:56	503.700	502.700	505.600	507.600	507.700	0.001	96%	510.000	520.300
3	23:20:04	504.300	506.300	500.300	504.300	503.700	0.003	97%	508.100	519.300
x		503.400	505.200	502.600	505.700	506.100	0.003	96%	509.800	519.100
σ		1.114	2.165	2.728	1.683	2.143	0.002	0%	1.574	1.339
%RSD		0.221	0.428	0.543	0.333	0.423	57.850	0	0.309	0.258
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:17:48	7.115	511.200	516.400	512.500	509.200	504.100	2524.000	2535.000	98%
2	23:18:56	6.443	509.800	518.100	511.500	508.900	507.900	2490.000	2507.000	99%
3	23:20:04	7.403	508.000	518.600	506.100	504.200	507.800	2504.000	2556.000	99%
x		6.987	509.700	517.700	510.000	507.400	506.600	2506.000	2533.000	99%
σ		0.493	1.592	1.133	3.441	2.802	2.200	17.080	24.400	1%
%RSD		7.054	0.312	0.219	0.675	0.552	0.434	0.681	0.964	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	23:17:48	99%	512.700	507.900	501.600	506.200	509.100	98%	504.900	
2	23:18:56	99%	513.400	511.900	511.500	506.400	508.500	98%	506.400	
3	23:20:04	99%	509.600	509.900	502.000	504.300	506.500	98%	502.600	
x		99%	511.900	509.900	505.000	505.600	508.000	98%	504.600	
σ		0%	2.025	1.962	5.628	1.179	1.408	0%	1.894	
%RSD		0	0.396	0.385	1.114	0.233	0.277	0	0.375	

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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	23:25:41	100%	983.600	969.200	0.000	98510.000	98190.000	98140.000	98070.000	19570.000
2	23:26:49	99%	1001.000	1009.000	0.000	100000.000	99740.000	100300.000	99860.000	19900.000
3	23:27:57	100%	999.300	1010.000	0.000	100200.000	100200.000	100100.000	100500.000	20190.000
x		100%	994.600	996.000	0.000	99570.000	99380.000	99500.000	99480.000	19890.000
σ		1%	9.576	23.210	0.000	921.000	1058.000	1181.000	1262.000	308.400
%RSD		1	0.963	2.331	0.000	0.925	1.065	1.187	1.269	1.551

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:41	982.100	19700.000	0.000	0.000	49360.000	98230.000	98520.000	100%	987.000
2	23:26:49	998.100	20090.000	0.000	0.000	49790.000	99020.000	99880.000	100%	994.900
3	23:27:57	1005.000	20200.000	0.000	0.000	50490.000	100900.000	100200.000	100%	1001.000
x		994.900	19990.000	0.000	0.000	49880.000	99390.000	99520.000	100%	994.400
σ		11.560	265.200	0.000	0.000	569.300	1386.000	885.100	0%	7.186
%RSD		1.162	1.326	0.000	0.000	1.141	1.395	0.889	0	0.723

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:41	980.200	978.000	-2.929	49370.000	1961.000	49230.000	49130.000	982.200	987.900
2	23:26:49	1004.000	999.900	-10.940	49610.000	1985.000	49510.000	49450.000	998.500	991.800
3	23:27:57	1006.000	1005.000	-7.091	50070.000	2005.000	50270.000	50100.000	1004.000	1003.000
x		996.700	994.200	-6.987	49680.000	1984.000	49670.000	49560.000	994.700	994.100
σ		14.290	14.210	4.007	356.500	22.380	537.200	493.200	11.180	7.592
%RSD		1.433	1.430	57.350	0.718	1.129	1.082	0.995	1.124	0.764

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:41	1961.000	1963.000	1931.000	985.100	976.900	-0.544	987.900	977.300	0.888
2	23:26:49	1990.000	1996.000	1964.000	998.800	995.200	-0.692	993.800	995.500	1.854
3	23:27:57	1998.000	2001.000	1966.000	1010.000	1012.000	-0.586	1010.000	1013.000	1.239
x		1983.000	1987.000	1954.000	998.000	994.800	-0.607	997.100	995.300	1.327
σ		19.180	20.500	20.030	12.500	17.730	0.076	11.250	17.960	0.489
%RSD		0.967	1.032	1.025	1.252	1.783	12.550	1.128	1.804	36.880

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:41	982.200	989.100	982.100	978.400	984.800	0.013	97%	982.300	972.600
2	23:26:49	1002.000	998.400	1003.000	998.500	998.300	0.007	97%	994.800	989.500
3	23:27:57	1012.000	1006.000	1015.000	1017.000	1010.000	0.002	96%	1006.000	995.300
x		998.700	997.900	999.800	997.900	997.800	0.008	96%	994.300	985.800
σ		15.280	8.424	16.390	19.270	12.690	0.005	0%	11.760	11.810
%RSD		1.530	0.844	1.639	1.931	1.272	70.320	0	1.183	1.198

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:41	17.100	982.300	974.700	981.800	981.200	984.200	4939.000	4911.000	98%
2	23:26:49	11.860	995.000	989.000	999.200	1001.000	998.200	5011.000	4975.000	98%
3	23:27:57	18.830	1006.000	996.100	1000.000	1005.000	1007.000	5050.000	5050.000	97%
x		15.930	994.400	986.600	993.800	995.700	996.400	5000.000	4979.000	98%
σ		3.628	11.770	10.910	10.430	12.770	11.420	56.380	69.370	0%
%RSD		22.770	1.184	1.106	1.049	1.283	1.146	1.128	1.393	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:25:41	98%	985.100	995.200	995.400	988.100	988.600	95%	986.100
2	23:26:49	98%	995.100	991.900	997.500	1003.000	997.400	95%	1002.000
3	23:27:57	98%	1003.000	997.000	999.600	999.400	1001.000	94%	1005.000
x		98%	994.300	994.700	997.500	996.900	995.700	95%	997.400
σ		0%	8.876	2.608	2.099	7.778	6.383	0%	9.888
%RSD		0	0.893	0.262	0.210	0.780	0.641	0	0.991

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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	23:33:35	103%	97.120	505.000	0.000	1974.000	1227.000	1188.000	1203.000	514.900
2	23:34:43	102%	98.920	510.800	0.000	2009.000	1247.000	1216.000	1220.000	521.200
3	23:35:51	103%	97.900	501.400	0.000	2044.000	1287.000	1255.000	1263.000	532.900
x		103%	97.980	505.800	0.000	2009.000	1254.000	1220.000	1229.000	523.000
σ		1%	0.904	4.732	0.000	34.680	30.500	33.680	31.240	9.163
%RSD		1	0.922	0.936	0.000	1.726	2.433	2.761	2.542	1.752
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:35	479.000	1.438	0.000	0.000	1954.000	1992.000	1914.000	103%	472.600
2	23:34:43	491.900	1.381	0.000	0.000	1996.000	2003.000	1914.000	102%	482.100
3	23:35:51	489.100	10.950	0.000	0.000	2026.000	2040.000	1984.000	102%	479.200
x		486.600	4.589	0.000	0.000	1992.000	2012.000	1937.000	102%	478.000
σ		6.794	5.506	0.000	0.000	35.780	25.260	40.410	1%	4.885
%RSD		1.396	120.000	0.000	0.000	1.796	1.256	2.086	1	1.022
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:35	97.210	96.970	-0.427	1011.000	98.970	1002.000	998.900	99.070	101.800
2	23:34:43	97.750	97.920	-0.081	1021.000	100.300	1015.000	1023.000	100.700	102.700
3	23:35:51	99.020	98.810	-0.489	1045.000	101.200	1037.000	1033.000	100.100	103.100
x		97.990	97.900	-0.332	1026.000	100.200	1018.000	1018.000	99.950	102.500
σ		0.925	0.919	0.220	17.240	1.127	18.070	17.360	0.829	0.657
%RSD		0.944	0.939	66.240	1.681	1.125	1.776	1.705	0.829	0.640
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:35	103.000	102.600	198.200	193.400	194.200	-0.219	191.200	193.900	0.972
2	23:34:43	104.000	103.900	199.100	196.200	196.800	-0.255	196.500	196.500	0.222
3	23:35:51	105.500	103.900	200.000	195.300	196.200	-0.141	195.600	195.800	1.859
x		104.200	103.500	199.100	194.900	195.700	-0.205	194.500	195.400	1.017
σ		1.293	0.761	0.931	1.436	1.377	0.058	2.880	1.351	0.820
%RSD		1.242	0.736	0.467	0.737	0.704	28.500	1.481	0.691	80.570
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:35	476.500	480.900	473.800	478.800	474.800	0.004	101%	97.330	103.400
2	23:34:43	480.400	484.400	484.100	484.500	481.900	0.001	101%	99.050	105.000
3	23:35:51	482.900	485.700	476.200	479.100	481.100	0.002	101%	100.100	105.300
x		479.900	483.700	478.000	480.800	479.300	0.002	101%	98.840	104.600
σ		3.236	2.482	5.403	3.209	3.907	0.001	0%	1.416	1.005
%RSD		0.674	0.513	1.130	0.667	0.815	62.400	0	1.433	0.961
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:33:35	5.162	97.440	103.100	97.960	481.600	189.700	96.700	98.960	100%
2	23:34:43	3.539	99.180	104.300	100.600	491.900	195.100	101.100	102.800	99%
3	23:35:51	3.800	100.300	105.700	101.000	493.200	193.800	100.900	102.600	100%
x		4.167	98.960	104.400	99.830	488.900	192.900	99.560	101.400	100%
σ		0.872	1.425	1.291	1.630	6.349	2.799	2.482	2.154	1%
%RSD		20.920	1.440	1.237	1.633	1.299	1.451	2.493	2.123	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	23:33:35	101%	199.100	199.700	202.500	192.900	198.600	100%	0.165	
2	23:34:43	100%	202.800	205.300	206.700	195.400	202.300	99%	0.146	
3	23:35:51	100%	204.700	203.900	207.900	197.400	203.300	99%	0.475	
x		100%	202.200	203.000	205.700	195.200	201.400	99%	0.262	
σ		1%	2.849	2.885	2.803	2.273	2.480	1%	0.185	
%RSD		1	1.409	1.422	1.363	1.164	1.232	1	70.410	

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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	23:41:29	110%	0.120	14.070	0.000	-16.300	6.512	6.618	6.077	4.752
2	23:42:37	106%	0.092	10.680	0.000	-2.003	8.129	7.704	7.756	7.108
3	23:43:45	104%	0.208	12.900	0.000	-0.977	9.412	8.184	8.559	7.684
x		107%	0.140	12.550	0.000	-6.427	8.018	7.502	7.464	6.515
σ		3%	0.061	1.720	0.000	8.568	1.454	0.802	1.267	1.554
%RSD		3	43.280	13.710	0.000	133.300	18.130	10.700	16.970	23.850
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:29	1.284	1.662	0.000	0.000	1.551	7.322	7.851	107%	0.084
2	23:42:37	1.112	0.822	0.000	0.000	12.330	14.520	12.170	103%	0.241
3	23:43:45	1.175	0.981	0.000	0.000	12.040	18.460	12.410	103%	0.193
x		1.191	1.155	0.000	0.000	8.641	13.430	10.810	104%	0.173
σ		0.087	0.446	0.000	0.000	6.142	5.648	2.565	2%	0.081
%RSD		7.309	38.650	0.000	0.000	71.080	42.050	23.730	2	46.600
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:29	0.084	0.115	-0.237	4.337	0.167	4.937	6.621	0.105	0.111
2	23:42:37	0.052	0.127	-0.243	3.804	0.210	6.577	7.822	0.109	0.088
3	23:43:45	0.109	0.152	-0.285	4.609	0.235	8.015	7.754	0.123	0.111
x		0.082	0.131	-0.255	4.250	0.204	6.510	7.399	0.112	0.103
σ		0.029	0.019	0.026	0.409	0.034	1.540	0.674	0.010	0.013
%RSD		35.080	14.150	10.320	9.635	16.890	23.660	9.115	8.557	12.860
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:29	0.196	0.152	0.380	0.168	0.070	0.000	0.787	0.070	1.452
2	23:42:37	0.222	0.179	0.465	0.117	0.044	0.011	0.805	0.044	0.561
3	23:43:45	0.219	0.198	0.438	0.145	-0.033	0.007	1.125	-0.032	1.385
x		0.212	0.176	0.428	0.143	0.027	0.006	0.906	0.027	1.133
σ		0.014	0.023	0.043	0.025	0.053	0.006	0.190	0.053	0.497
%RSD		6.778	13.050	10.060	17.690	196.300	87.320	20.980	195.600	43.840
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:29	0.660	0.663	0.658	0.651	0.548	-0.000	106%	-0.156	0.109
2	23:42:37	0.611	0.598	0.554	0.561	0.578	0.001	103%	-0.123	0.122
3	23:43:45	0.538	0.592	0.558	0.533	0.550	0.000	102%	-0.107	0.129
x		0.603	0.618	0.590	0.582	0.559	0.000	104%	-0.129	0.120
σ		0.062	0.039	0.059	0.061	0.016	0.001	2%	0.025	0.010
%RSD		10.250	6.388	9.972	10.560	2.952	163.000	2	19.370	8.340
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:41:29	0.106	-0.152	0.113	0.068	1.059	1.139	0.260	0.306	104%
2	23:42:37	0.091	-0.116	0.129	0.072	0.982	0.934	0.344	0.374	99%
3	23:43:45	0.106	-0.101	0.127	0.101	0.868	0.791	0.407	0.327	99%
x		0.101	-0.123	0.123	0.080	0.970	0.955	0.337	0.336	101%
σ		0.009	0.026	0.009	0.018	0.096	0.175	0.074	0.035	3%
%RSD		8.608	21.420	7.237	22.250	9.928	18.320	21.870	10.440	3
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	23:41:29	103%	0.184	0.180	0.168	0.170	0.171	103%	0.044	
2	23:42:37	100%	0.215	0.199	0.209	0.213	0.208	101%	0.049	
3	23:43:45	99%	0.225	0.215	0.217	0.214	0.214	99%	0.060	
x		101%	0.208	0.198	0.198	0.199	0.198	101%	0.051	
σ		2%	0.022	0.018	0.026	0.025	0.023	2%	0.008	
%RSD		2	10.400	8.893	13.170	12.720	11.740	2	16.380	

Reviewed By jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

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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	23:49:23	98%	0.415	6.802	0.000	101900.000	102400.000	102500.000	102500.000	99980.000
2	23:50:31	98%	0.446	6.603	0.000	103400.000	104200.000	104900.000	104000.000	101000.000
3	23:51:39	98%	0.305	7.670	0.000	103100.000	104300.000	104300.000	104200.000	100700.000
X		98%	0.389	7.025	0.000	102800.000	103600.000	103900.000	103600.000	100500.000
σ		0%	0.074	0.568	0.000	798.200	1079.000	1218.000	902.500	516.400
%RSD		0	18.990	8.079	0.000	0.776	1.041	1.173	0.872	0.514

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:23	30.260	98470.000	0.000	0.000	98610.000	100000.000	99770.000	100%	2044.000
2	23:50:31	29.440	99270.000	0.000	0.000	99160.000	101600.000	101400.000	99%	2053.000
3	23:51:39	30.250	99390.000	0.000	0.000	100000.000	101000.000	100500.000	99%	2056.000
X		29.980	99050.000	0.000	0.000	99260.000	100900.000	100500.000	99%	2051.000
σ		0.473	499.600	0.000	0.000	710.000	800.600	791.100	0%	6.034
%RSD		1.578	0.504	0.000	0.000	0.715	0.794	0.787	0	0.294

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:23	-0.228	20.430	24.590	97290.000	7.827	96720.000	97150.000	1.197	5.950
2	23:50:31	0.042	20.710	27.370	98330.000	7.952	97630.000	98250.000	1.271	5.779
3	23:51:39	-0.035	20.760	29.250	98870.000	7.936	98150.000	98450.000	1.213	5.905
X		-0.074	20.630	27.070	98160.000	7.905	97500.000	97950.000	1.227	5.878
σ		0.139	0.178	2.344	806.300	0.068	723.300	702.500	0.039	0.089
%RSD		188.100	0.864	8.661	0.821	0.860	0.742	0.717	3.174	1.513

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:23	8.180	8.350	12.520	0.339	-0.079	0.276	1.056	-0.079	0.935
2	23:50:31	8.353	8.678	12.660	0.128	-0.024	0.335	0.891	-0.024	1.412
3	23:51:39	8.280	8.511	12.590	0.195	-0.115	0.328	0.923	-0.115	1.411
X		8.271	8.513	12.590	0.221	-0.073	0.313	0.957	-0.072	1.253
σ		0.086	0.164	0.071	0.108	0.046	0.033	0.088	0.046	0.276
%RSD		1.044	1.926	0.562	49.090	62.930	10.450	9.160	63.570	22.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:23	2025.000	2005.000	2009.000	2027.000	2004.000	0.004	95%	-0.627	0.094
2	23:50:31	2068.000	2061.000	2044.000	2065.000	2074.000	0.004	94%	-0.333	0.087
3	23:51:39	2040.000	2009.000	2010.000	2050.000	2038.000	0.007	95%	0.070	0.144
X		2045.000	2025.000	2021.000	2047.000	2039.000	0.005	95%	-0.297	0.109
σ		21.610	31.280	19.750	19.370	35.090	0.002	1%	0.350	0.031
%RSD		1.057	1.545	0.977	0.946	1.721	32.510	1	117.900	28.580

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:23	10.370	-0.633	0.109	0.290	0.643	1.641	1.526	1.487	98%
2	23:50:31	10.540	-0.343	0.095	0.111	0.623	1.521	1.500	1.537	99%
3	23:51:39	10.630	0.061	0.087	0.092	0.571	1.502	1.351	1.599	99%
X		10.510	-0.305	0.097	0.164	0.612	1.555	1.459	1.541	99%
σ		0.130	0.349	0.011	0.110	0.037	0.076	0.094	0.056	1%
%RSD		1.232	114.400	11.420	66.640	6.067	4.862	6.473	3.620	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:49:23	100%	0.126	0.143	4.876	4.050	4.441	95%	0.026
2	23:50:31	100%	0.095	0.116	4.944	4.171	4.483	95%	0.026
3	23:51:39	99%	0.109	0.098	4.939	4.187	4.498	96%	0.029
X		100%	0.110	0.119	4.920	4.136	4.474	96%	0.027
σ		0%	0.015	0.023	0.038	0.075	0.030	0%	0.002
%RSD		0	13.950	19.000	0.776	1.809	0.663	0	5.666

Reviewed By: jaswal
On: 11/21/2011
12:38:57 PM
Init Id: JP6

ICSAB14 11/18/2011 11:56:09 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	23:57:17	100%	20.640	5.889	0.000	103400.000	103900.000	104200.000	103600.000	100800.000
2	23:58:25	100%	20.080	5.519	0.000	103000.000	103600.000	102900.000	102900.000	100200.000
3	23:59:33	100%	20.620	5.544	0.000	102800.000	103800.000	103100.000	102900.000	100700.000
x		100%	20.440	5.650	0.000	103100.000	103700.000	103400.000	103100.000	100600.000
σ		0%	0.317	0.207	0.000	277.500	161.400	711.300	409.700	298.800
%RSD		0	1.548	3.662	0.000	0.269	0.156	0.688	0.397	0.297

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:57:17	31.630	97860.000	0.000	0.000	98770.000	98920.000	99950.000	102%	2029.000
2	23:58:25	32.180	97410.000	0.000	0.000	98520.000	99330.000	99990.000	101%	2019.000
3	23:59:33	32.160	97680.000	0.000	0.000	98890.000	99450.000	99890.000	101%	2022.000
x		31.990	97650.000	0.000	0.000	98730.000	99230.000	99950.000	102%	2023.000
σ		0.310	228.100	0.000	0.000	188.300	277.100	50.510	0%	4.846
%RSD		0.968	0.234	0.000	0.000	0.191	0.279	0.051	0	0.239

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:57:17	18.720	40.660	29.250	97220.000	28.270	95480.000	96600.000	20.820	25.820
2	23:58:25	19.290	40.710	30.230	97160.000	28.120	96470.000	96420.000	20.770	25.740
3	23:59:33	18.950	40.690	31.310	96670.000	28.220	95920.000	96210.000	20.640	26.110
x		18.990	40.690	30.260	97020.000	28.200	95960.000	96410.000	20.740	25.890
σ		0.283	0.026	1.032	304.500	0.073	491.400	196.400	0.091	0.192
%RSD		1.491	0.064	3.410	0.314	0.261	0.512	0.204	0.441	0.740

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:57:17	27.860	27.970	31.880	19.840	19.890	0.338	20.600	19.950	2.491
2	23:58:25	28.170	28.120	32.080	20.070	20.340	0.319	21.180	20.390	2.070
3	23:59:33	27.730	27.840	32.380	19.820	19.870	0.336	21.130	19.920	1.642
x		27.920	27.970	32.110	19.910	20.030	0.331	20.970	20.090	2.068
σ		0.226	0.139	0.250	0.138	0.264	0.010	0.320	0.266	0.425
%RSD		0.809	0.495	0.779	0.692	1.316	3.166	1.524	1.323	20.530

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:57:17	2020.000	2023.000	2012.000	2027.000	2025.000	0.005	96%	21.210	20.540
2	23:58:25	2046.000	2024.000	2006.000	2024.000	2025.000	0.003	95%	20.460	20.420
3	23:59:33	2030.000	2037.000	2030.000	2028.000	2027.000	0.003	96%	20.530	20.380
x		2032.000	2028.000	2016.000	2027.000	2025.000	0.003	96%	20.730	20.450
σ		13.120	7.806	12.010	1.983	1.436	0.001	0%	0.417	0.084
%RSD		0.646	0.385	0.595	0.098	0.071	29.890	0	2.009	0.412

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:57:17	9.670	21.190	20.690	20.760	0.554	21.830	21.590	22.030	100%
2	23:58:25	9.546	20.430	20.470	21.140	0.555	21.600	21.390	21.980	100%
3	23:59:33	9.806	20.490	20.480	20.760	0.507	21.570	21.630	22.170	100%
x		9.674	20.700	20.550	20.890	0.538	21.670	21.540	22.060	100%
σ		0.130	0.420	0.123	0.220	0.028	0.144	0.129	0.097	0%
%RSD		1.346	2.028	0.598	1.054	5.131	0.666	0.598	0.441	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	23:57:17	100%	20.380	20.300	25.980	23.360	24.640	97%	0.027
2	23:58:25	101%	20.330	20.600	26.030	23.550	24.750	96%	0.027
3	23:59:33	101%	20.640	20.750	26.370	23.960	25.060	96%	0.023
x		101%	20.450	20.550	26.120	23.620	24.820	96%	0.026
σ		0%	0.165	0.229	0.213	0.311	0.219	0%	0.002
%RSD		0	0.804	1.115	0.816	1.316	0.881	1	8.109

Reviewed By jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

ICSA14X10 11/19/2011 12:04:04 AM

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	00:05:12	104%	0.116	3.808	0.000	10740.000	10870.000	10870.000	10950.000	10540.000
2	00:06:20	107%	0.138	3.305	0.000	10690.000	10790.000	10780.000	10780.000	10530.000
3	00:07:28	106%	0.266	3.345	0.000	10770.000	11020.000	11000.000	10870.000	10560.000
x		106%	0.173	3.486	0.000	10730.000	10890.000	10880.000	10870.000	10540.000
σ		1%	0.081	0.280	0.000	43.330	117.600	110.700	81.910	14.710
%RSD		1	46.480	8.022	0.000	0.404	1.079	1.017	0.754	0.140

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:05:12	4.986	10110.000	0.000	0.000	10440.000	10210.000	9998.000	106%	207.900
2	00:06:20	4.515	10040.000	0.000	0.000	10300.000	10170.000	9998.000	108%	206.700
3	00:07:28	4.045	10160.000	0.000	0.000	10530.000	10420.000	10000.000	108%	207.600
x		4.515	10100.000	0.000	0.000	10420.000	10260.000	9999.000	107%	207.400
σ		0.471	57.310	0.000	0.000	115.200	133.300	2.194	1%	0.653
%RSD		10.420	0.567	0.000	0.000	1.106	1.299	0.022	1	0.315

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:05:12	-0.006	2.537	6.955	10140.000	1.399	10140.000	10290.000	0.155	0.868
2	00:06:20	0.256	2.446	6.327	10080.000	1.430	10100.000	10210.000	0.152	0.854
3	00:07:28	0.020	2.527	6.475	10120.000	1.496	10060.000	10210.000	0.173	0.991
x		0.090	2.503	6.585	10110.000	1.442	10100.000	10240.000	0.160	0.904
σ		0.144	0.050	0.328	31.610	0.049	40.590	43.530	0.012	0.075
%RSD		160.600	1.987	4.983	0.313	3.411	0.402	0.425	7.396	8.348

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:05:12	0.939	0.935	1.802	0.160	0.050	0.076	0.410	0.051	0.971
2	00:06:20	0.961	0.912	1.885	0.039	-0.069	0.094	1.284	-0.068	1.104
3	00:07:28	0.976	0.927	1.800	0.004	-0.235	0.097	0.688	-0.235	1.053
x		0.959	0.925	1.829	0.068	-0.085	0.089	0.794	-0.084	1.043
σ		0.018	0.011	0.049	0.082	0.143	0.012	0.446	0.143	0.067
%RSD		1.896	1.221	2.657	120.900	169.600	13.050	56.230	170.700	6.450

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:05:12	204.100	202.700	200.700	201.600	204.600	-0.001	102%	0.264	0.047
2	00:06:20	203.800	205.700	202.400	200.800	202.400	-0.001	103%	-0.061	0.038
3	00:07:28	203.500	201.700	201.800	202.600	202.400	-0.001	104%	0.501	0.038
x		203.800	203.400	201.600	201.700	203.100	-0.001	103%	0.234	0.041
σ		0.300	2.092	0.883	0.883	1.305	0.000	1%	0.282	0.005
%RSD		0.147	1.028	0.438	0.438	0.643	0.000	1	120.400	13.190

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:05:12	0.776	0.263	0.029	0.096	0.158	0.286	0.214	0.256	102%
2	00:06:20	1.163	-0.062	0.044	0.026	0.184	0.270	0.252	0.246	103%
3	00:07:28	0.900	0.505	0.047	0.092	0.177	0.305	0.285	0.298	103%
x		0.946	0.235	0.040	0.071	0.173	0.287	0.250	0.267	103%
σ		0.197	0.284	0.010	0.039	0.014	0.018	0.036	0.028	0%
%RSD		20.860	120.700	24.970	54.920	7.828	6.223	14.380	10.460	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:05:12	102%	0.100	0.101	0.571	0.467	0.517	100%	0.010
2	00:06:20	104%	0.095	0.093	0.540	0.514	0.527	100%	0.015
3	00:07:28	103%	0.101	0.093	0.602	0.519	0.568	100%	0.023
x		103%	0.099	0.096	0.571	0.500	0.537	100%	0.016
σ		1%	0.003	0.005	0.031	0.029	0.027	0%	0.007
%RSD		1	3.421	4.861	5.394	5.764	5.068	0	41.300

Reviewed By: jagwal
on: 11/21/2011
12:38:57 PM
Inst Id: Pd

ICSAB14X10 11/19/2011 12:11:58 AM

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	00:13:07	106%	1.993	3.134	0.000	10750.000	10960.000	10820.000	10820.000	10560.000
2	00:14:15	107%	2.131	2.259	0.000	10780.000	10940.000	10960.000	10920.000	10550.000
3	00:15:23	106%	2.282	2.593	0.000	10800.000	10990.000	10970.000	10910.000	10620.000
x		106%	2.135	2.662	0.000	10780.000	10960.000	10910.000	10880.000	10580.000
σ		0%	0.144	0.441	0.000	21.720	24.950	85.920	57.210	36.800
%RSD		0	6.768	16.580	0.000	0.202	0.228	0.787	0.526	0.348
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:13:07	4.811	10220.000	0.000	0.000	10380.000	10130.000	9849.000	108%	206.200
2	00:14:15	5.432	10080.000	0.000	0.000	10400.000	10290.000	9945.000	108%	205.800
3	00:15:23	5.117	10240.000	0.000	0.000	10410.000	10380.000	9996.000	108%	210.400
x		5.120	10180.000	0.000	0.000	10400.000	10270.000	9930.000	108%	207.500
σ		0.311	87.810	0.000	0.000	13.380	130.000	74.470	0%	2.567
%RSD		6.067	0.863	0.000	0.000	0.129	1.266	0.750	0	1.237
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:13:07	1.826	4.462	5.630	10090.000	3.009	9982.000	10150.000	2.190	2.970
2	00:14:15	1.827	4.412	5.549	10080.000	2.986	10030.000	10180.000	2.152	2.921
3	00:15:23	2.017	4.438	5.103	10010.000	3.012	10080.000	10180.000	2.140	2.885
x		1.890	4.437	5.428	10060.000	3.003	10030.000	10170.000	2.161	2.925
σ		0.110	0.025	0.284	44.440	0.014	49.810	14.920	0.026	0.042
%RSD		5.825	0.563	5.230	0.442	0.469	0.497	0.147	1.219	1.446
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:13:07	3.003	2.986	3.582	2.069	2.163	0.054	3.126	2.165	0.061
2	00:14:15	2.950	2.941	3.443	1.993	1.649	0.076	2.860	1.650	0.635
3	00:15:23	2.973	2.963	3.643	2.081	2.171	0.065	3.160	2.174	0.687
x		2.976	2.963	3.556	2.048	1.994	0.065	3.048	1.996	0.461
σ		0.027	0.023	0.102	0.048	0.299	0.011	0.164	0.300	0.347
%RSD		0.896	0.764	2.877	2.322	15.010	16.530	5.394	15.030	75.300
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:13:07	199.700	203.700	200.600	201.700	200.000	0.002	104%	2.253	2.050
2	00:14:15	200.200	202.300	199.700	199.400	202.200	0.001	104%	1.597	2.106
3	00:15:23	202.800	202.300	200.800	201.900	201.300	-0.000	104%	1.991	2.082
x		200.900	202.800	200.400	201.000	201.200	0.001	104%	1.947	2.079
σ		1.644	0.800	0.583	1.390	1.118	0.001	0%	0.330	0.028
%RSD		0.818	0.395	0.291	0.692	0.556	120.300	0	16.960	1.364
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:13:07	0.693	2.260	2.067	2.244	0.119	2.181	2.128	2.225	102%
2	00:14:15	1.116	1.605	2.045	2.095	0.129	2.258	2.317	2.239	102%
3	00:15:23	1.143	1.998	2.130	2.085	0.136	2.314	2.328	2.185	102%
x		0.984	1.954	2.081	2.141	0.128	2.251	2.258	2.216	102%
σ		0.252	0.330	0.044	0.089	0.008	0.067	0.113	0.028	0%
%RSD		25.640	16.880	2.130	4.180	6.541	2.977	4.998	1.255	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	00:13:07	102%	2.077	2.101	2.716	2.398	2.529	98%	0.007	
2	00:14:15	103%	2.072	2.094	2.619	2.396	2.528	100%	0.008	
3	00:15:23	102%	2.030	2.069	2.648	2.454	2.533	100%	0.014	
x		102%	2.060	2.088	2.661	2.416	2.530	99%	0.010	
σ		1%	0.025	0.016	0.050	0.033	0.003	1%	0.004	
%RSD		1	1.237	0.788	1.884	1.363	0.102	1	37.340	

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12:38:57 PM
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CCV58 11/19/2011 12:19:52 AM

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	00:21:00	105%	500.300	501.700	0.000	52460.000	53230.000	53050.000	52560.000	10570.000
2	00:22:09	104%	499.100	502.400	0.000	52230.000	53070.000	52730.000	52600.000	10570.000
3	00:23:17	104%	500.000	504.100	0.000	52150.000	52720.000	52540.000	52340.000	10500.000
x		105%	499.800	502.700	0.000	52280.000	53010.000	52780.000	52500.000	10550.000
σ		1%	0.651	1.246	0.000	164.200	261.100	258.000	137.800	39.150
%RSD		1	0.130	0.248	0.000	0.314	0.493	0.489	0.262	0.371

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:21:00	520.700	10090.000	0.000	0.000	25850.000	50930.000	51450.000	106%	508.600
2	00:22:09	517.900	10100.000	0.000	0.000	25770.000	51040.000	51270.000	105%	498.600
3	00:23:17	516.000	10190.000	0.000	0.000	26000.000	51480.000	52030.000	102%	505.600
x		518.200	10130.000	0.000	0.000	25870.000	51150.000	51580.000	104%	504.200
σ		2.378	56.920	0.000	0.000	118.600	294.300	397.200	2%	5.143
%RSD		0.459	0.562	0.000	0.000	0.458	0.575	0.770	2	1.020

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:21:00	500.600	501.800	2.091	25450.000	1018.000	25550.000	25620.000	497.400	503.400
2	00:22:09	499.600	502.400	2.150	25330.000	1020.000	25560.000	25540.000	502.100	500.400
3	00:23:17	507.800	506.200	0.782	25710.000	1030.000	25870.000	26100.000	508.000	512.800
x		502.600	503.500	1.674	25500.000	1023.000	25660.000	25750.000	502.500	505.500
σ		4.497	2.360	0.773	193.600	6.509	185.300	307.200	5.359	6.462
%RSD		0.895	0.469	46.200	0.759	0.636	0.722	1.193	1.066	1.278

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:21:00	1017.000	1006.000	1005.000	504.700	503.700	-0.380	507.000	504.300	2.247
2	00:22:09	1007.000	1005.000	995.000	502.400	504.700	-0.524	504.400	505.200	0.356
3	00:23:17	1024.000	1017.000	1022.000	504.500	509.600	-0.102	512.000	509.300	0.302
x		1016.000	1009.000	1008.000	503.900	506.000	-0.335	507.800	506.300	0.968
σ		8.562	6.753	13.860	1.293	3.195	0.214	3.849	2.672	1.108
%RSD		0.843	0.669	1.375	0.257	0.631	63.880	0.758	0.528	114.400

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:21:00	504.500	503.600	501.900	502.500	504.300	0.002	101%	509.600	531.200
2	00:22:09	503.500	507.400	502.000	503.800	505.800	0.000	100%	511.700	525.100
3	00:23:17	505.300	506.200	504.600	502.700	505.600	0.000	99%	509.700	529.000
x		504.400	505.700	502.800	503.000	505.200	0.001	100%	510.300	528.500
σ		0.928	1.950	1.546	0.729	0.801	0.001	1%	1.194	3.080
%RSD		0.184	0.386	0.307	0.145	0.159	103.200	1	0.234	0.583

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:21:00	7.645	510.100	533.100	511.300	511.500	507.200	2547.000	2583.000	100%
2	00:22:09	7.414	511.900	530.700	509.100	507.300	507.900	2540.000	2564.000	101%
3	00:23:17	7.543	509.700	528.300	511.900	510.800	511.400	2541.000	2587.000	101%
x		7.534	510.600	530.700	510.700	509.800	508.800	2543.000	2578.000	101%
σ		0.116	1.159	2.437	1.474	2.253	2.234	4.072	12.220	0%
%RSD		1.539	0.227	0.459	0.289	0.442	0.439	0.160	0.474	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:21:00	101%	509.600	508.100	499.700	506.700	506.000	98%	503.000
2	00:22:09	102%	506.700	510.100	502.800	505.500	506.800	98%	497.600
3	00:23:17	101%	513.900	510.400	506.900	504.400	510.200	98%	509.400
x		101%	510.000	509.500	503.100	505.500	507.600	98%	503.300
σ		0%	3.595	1.253	3.596	1.138	2.245	0%	5.906
%RSD		0	0.705	0.246	0.715	0.225	0.442	0	1.173

CCB58 11/19/2011 12:27:45 AM

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	00:28:53	104%	0.198	7.905	0.000	1.639	8.874	8.676	8.504	4.889
2	00:30:01	107%	0.111	6.657	0.000	-3.558	8.726	8.936	8.389	4.152
3	00:31:09	105%	0.165	6.144	0.000	4.832	13.740	13.310	13.200	6.580
x		105%	0.158	6.902	0.000	0.971	10.450	10.310	10.030	5.207
σ		1%	0.044	0.905	0.000	4.235	2.851	2.603	2.743	1.245
%RSD		1	28.010	13.120	0.000	436.100	27.290	25.250	27.350	23.900
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:53	0.042	4.563	0.000	0.000	41.420	6.856	12.000	102%	0.117
2	00:30:01	0.632	4.450	0.000	0.000	37.260	16.020	8.839	103%	0.077
3	00:31:09	1.079	6.097	0.000	0.000	40.900	10.810	14.390	103%	0.134
x		0.585	5.037	0.000	0.000	39.860	11.230	11.740	103%	0.109
σ		0.520	0.920	0.000	0.000	2.263	4.595	2.785	1%	0.029
%RSD		88.970	18.260	0.000	0.000	5.679	40.930	23.720	1	26.800
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:53	-0.034	0.055	1.328	5.498	0.102	4.394	3.511	0.048	0.054
2	00:30:01	-0.037	0.068	1.242	3.052	0.115	2.788	2.993	0.048	0.037
3	00:31:09	0.020	0.055	1.253	5.920	0.184	6.099	3.272	0.084	0.091
x		-0.017	0.060	1.274	4.823	0.134	4.427	3.259	0.060	0.060
σ		0.032	0.008	0.047	1.549	0.044	1.655	0.260	0.020	0.028
%RSD		188.700	12.910	3.692	32.110	32.890	37.390	7.969	33.910	45.800
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:53	0.135	0.099	0.185	-0.021	-0.317	0.033	0.905	-0.316	0.634
2	00:30:01	0.151	0.132	0.123	-0.071	0.035	0.042	0.680	0.035	0.598
3	00:31:09	0.224	0.225	0.172	0.052	0.010	0.026	1.127	0.010	0.362
x		0.170	0.152	0.160	-0.013	-0.090	0.034	0.904	-0.090	0.531
σ		0.048	0.065	0.033	0.061	0.196	0.008	0.224	0.196	0.147
%RSD		27.950	42.710	20.580	458.700	217.000	24.350	24.730	217.000	27.750
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:53	0.429	0.382	0.376	0.446	0.385	-0.000	100%	-0.185	0.062
2	00:30:01	0.330	0.335	0.304	0.326	0.291	-0.001	103%	-0.167	0.065
3	00:31:09	0.341	0.305	0.312	0.332	0.326	-0.000	102%	0.063	0.105
x		0.367	0.341	0.331	0.368	0.334	-0.000	102%	-0.097	0.077
σ		0.054	0.039	0.040	0.068	0.048	0.000	1%	0.139	0.024
%RSD		14.750	11.510	11.980	18.440	14.210	83.950	1	143.500	30.760
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:28:53	0.124	-0.185	0.069	0.032	0.631	0.927	0.257	0.333	100%
2	00:30:01	0.123	-0.164	0.070	0.035	0.483	0.716	0.237	0.255	101%
3	00:31:09	-0.014	0.068	0.115	0.072	0.451	0.620	0.430	0.473	100%
x		0.078	-0.093	0.085	0.046	0.522	0.754	0.308	0.354	100%
σ		0.079	0.141	0.026	0.022	0.096	0.157	0.106	0.111	1%
%RSD		101.800	150.400	31.150	48.180	18.490	20.840	34.310	31.310	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	00:28:53	100%	0.067	0.087	0.064	0.072	0.068	100%	0.071	
2	00:30:01	102%	0.080	0.075	0.063	0.064	0.062	102%	0.061	
3	00:31:09	101%	0.118	0.105	0.105	0.110	0.110	100%	0.098	
x		101%	0.089	0.089	0.077	0.082	0.080	100%	0.076	
σ		1%	0.026	0.015	0.024	0.024	0.026	1%	0.019	
%RSD		1	29.860	16.710	31.360	29.790	32.170	1	25.480	

PB59275BL PBW01 11/19/2011 12:35:38 AM

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	00:36:46	104%	0.084	3.636	0.000	-4.007	1.141	1.110	0.795	0.922
2	00:37:54	106%	0.081	4.350	0.000	-10.360	0.912	0.507	1.003	0.583
3	00:39:03	104%	0.059	3.830	0.000	-5.657	1.203	0.932	1.449	1.048
x		105%	0.075	3.939	0.000	-6.675	1.085	0.850	1.082	0.851
σ		1%	0.014	0.369	0.000	3.297	0.153	0.309	0.334	0.241
%RSD		1	18.510	9.367	0.000	49.390	14.120	36.420	30.860	28.290
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:46	0.114	4.353	0.000	0.000	36.100	4.626	4.042	102%	0.071
2	00:37:54	0.890	2.974	0.000	0.000	34.270	7.306	3.849	103%	-0.126
3	00:39:03	1.254	6.330	0.000	0.000	39.730	7.337	5.543	103%	-0.036
x		0.753	4.552	0.000	0.000	36.700	6.423	4.478	102%	-0.030
σ		0.582	1.687	0.000	0.000	2.775	1.557	0.927	0%	0.099
%RSD		77.390	37.060	0.000	0.000	7.561	24.240	20.710	0	325.700
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:46	0.015	0.020	0.773	1.165	-0.009	-1.064	-1.498	0.002	-0.017
2	00:37:54	0.029	0.030	0.796	0.436	-0.004	-1.200	-0.856	-0.003	0.008
3	00:39:03	-0.005	0.024	0.661	2.272	0.003	-0.468	-1.576	0.003	0.004
x		0.013	0.025	0.744	1.291	-0.003	-0.911	-1.310	0.001	-0.002
σ		0.017	0.005	0.072	0.924	0.006	0.389	0.395	0.004	0.013
%RSD		131.200	21.470	9.705	71.600	177.700	42.760	30.150	550.200	757.000
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:46	0.030	0.021	0.162	-0.061	-0.100	0.025	0.593	-0.100	0.742
2	00:37:54	0.029	0.020	0.181	0.113	0.302	0.001	0.659	0.301	-0.535
3	00:39:03	0.012	0.034	0.176	-0.048	-0.317	0.021	0.445	-0.316	1.770
x		0.024	0.025	0.173	0.001	-0.038	0.016	0.566	-0.038	0.659
σ		0.010	0.008	0.010	0.097	0.314	0.013	0.110	0.313	1.155
%RSD		43.550	32.570	5.734	7434.000	816.500	81.990	19.420	815.400	175.200
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:46	0.097	0.104	0.087	0.076	0.100	-0.001	101%	-0.322	0.006
2	00:37:54	0.056	0.090	0.072	0.067	0.073	-0.000	102%	0.033	0.003
3	00:39:03	0.057	0.060	0.061	0.079	0.076	-0.000	100%	-0.374	0.014
x		0.070	0.085	0.073	0.074	0.083	-0.000	101%	-0.221	0.008
σ		0.023	0.022	0.013	0.007	0.015	0.000	1%	0.222	0.005
%RSD		32.970	26.400	17.440	8.933	17.780	84.110	1	100.400	68.960
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:36:46	0.141	-0.320	0.009	-0.028	0.166	0.249	0.018	0.029	100%
2	00:37:54	-0.031	0.037	0.007	0.003	0.169	0.211	0.029	0.028	101%
3	00:39:03	0.154	-0.372	0.013	-0.035	0.175	0.220	0.025	0.015	99%
x		0.088	-0.219	0.010	-0.020	0.170	0.227	0.024	0.024	100%
σ		0.103	0.223	0.003	0.020	0.005	0.020	0.005	0.008	1%
%RSD		117.700	101.900	31.250	99.540	2.868	8.683	21.670	31.460	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	00:36:46	100%	0.010	0.015	0.011	0.001	0.007	100%	0.005	
2	00:37:54	100%	0.010	0.014	-0.002	0.001	0.005	101%	0.004	
3	00:39:03	100%	0.014	0.017	0.004	0.015	0.012	100%	0.005	
x		100%	0.012	0.016	0.004	0.006	0.008	100%	0.005	
σ		0%	0.002	0.001	0.006	0.008	0.004	1%	0.000	
%RSD		0	17.550	8.542	153.900	148.800	51.290	1	9.599	

Reviewed By
On: 11/21/2011
12:38:07 PM
Inst ID: PE

PB59274BL PBW01 11/19/2011 12:43:32 AM

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	00:44:40	106%	0.001	2.828	0.000	-5.059	2.454	1.684	2.550	1.567
2	00:45:48	105%	0.066	2.373	0.000	-4.385	1.919	1.942	1.721	1.289
3	00:46:56	107%	0.071	2.070	0.000	-11.160	1.267	1.434	1.316	0.981
x		106%	0.046	2.424	0.000	-6.868	1.880	1.687	1.862	1.279
σ		1%	0.039	0.382	0.000	3.732	0.595	0.254	0.629	0.293
%RSD		1	85.720	15.750	0.000	54.340	31.630	15.060	33.780	22.920
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:40	-0.028	3.064	0.000	0.000	33.370	7.502	1.861	103%	-0.153
2	00:45:48	0.953	3.520	0.000	0.000	32.790	0.407	1.198	103%	-0.027
3	00:46:56	0.326	3.096	0.000	0.000	26.690	2.083	1.229	104%	-0.015
x		0.417	3.226	0.000	0.000	30.950	3.331	1.429	104%	-0.065
σ		0.497	0.254	0.000	0.000	3.698	3.709	0.374	1%	0.076
%RSD		119.100	7.885	0.000	0.000	11.950	111.300	26.190	1	116.600
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:40	-0.012	-0.028	0.373	2.633	0.048	0.901	0.581	0.010	0.012
2	00:45:48	-0.051	0.005	0.396	1.066	0.038	0.777	0.663	0.009	-0.018
3	00:46:56	0.028	0.024	0.207	2.931	0.024	0.124	1.616	0.000	0.046
x		-0.012	0.000	0.325	2.210	0.037	0.601	0.953	0.006	0.013
σ		0.039	0.026	0.103	1.002	0.012	0.418	0.575	0.005	0.032
%RSD		336.000	6527.000	31.670	45.340	33.340	69.540	60.340	85.490	242.800
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:40	0.019	0.018	0.035	-0.047	-0.263	0.016	0.594	-0.263	1.351
2	00:45:48	0.024	0.023	0.029	-0.103	-0.015	0.020	0.428	-0.015	0.500
3	00:46:56	0.038	0.019	-0.017	-0.051	-0.008	0.018	0.405	-0.007	0.211
x		0.027	0.020	0.015	-0.067	-0.095	0.018	0.475	-0.095	0.687
σ		0.010	0.002	0.029	0.031	0.145	0.002	0.103	0.145	0.593
%RSD		37.690	12.110	185.800	46.430	152.200	12.460	21.620	152.500	86.220
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:40	0.055	0.074	0.040	0.065	0.066	-0.000	102%	-0.456	0.015
2	00:45:48	0.022	0.076	0.042	0.058	0.046	0.001	102%	-0.179	0.008
3	00:46:56	0.048	0.045	0.025	0.082	0.059	0.000	103%	0.329	0.006
x		0.042	0.065	0.036	0.068	0.057	0.000	102%	-0.102	0.009
σ		0.017	0.017	0.010	0.012	0.011	0.001	0%	0.398	0.005
%RSD		42.020	26.870	26.880	17.940	18.510	158.100	0	389.800	50.910
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:44:40	0.192	-0.456	0.010	-0.007	0.118	0.127	0.039	0.055	102%
2	00:45:48	0.119	-0.177	0.009	-0.019	0.097	0.120	0.039	0.050	101%
3	00:46:56	-0.154	0.330	0.007	0.020	0.101	0.115	0.032	0.038	102%
x		0.052	-0.101	0.008	-0.002	0.106	0.121	0.037	0.047	102%
σ		0.182	0.399	0.001	0.020	0.011	0.006	0.004	0.009	0%
%RSD		347.000	394.400	16.850	867.400	10.410	4.901	10.150	18.590	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	00:44:40	101%	0.016	0.021	0.019	0.013	0.013	100%	0.009	
2	00:45:48	102%	0.021	0.015	0.008	0.013	0.011	101%	0.007	
3	00:46:56	102%	0.012	0.014	-0.001	0.004	0.006	102%	0.005	
x		102%	0.016	0.016	0.009	0.010	0.010	101%	0.007	
σ		1%	0.004	0.004	0.010	0.005	0.004	1%	0.002	
%RSD		1	27.300	22.790	111.900	51.480	37.700	1	28.850	

Reviewed By jaswal
On 11/21/2011
12:38:57 PM
Inst Id :P6

PB59238BL PBW01 11/19/2011 12:51:25 AM

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	00:52:33	106%	0.025	2.496	0.000	-11.890	1.367	1.716	1.087	0.971
2	00:53:41	105%	0.086	1.367	0.000	-11.810	0.977	1.295	0.943	0.894
3	00:54:49	105%	0.086	1.500	0.000	-10.470	0.764	0.657	0.289	1.398
x		105%	0.066	1.788	0.000	-11.390	1.036	1.223	0.773	1.088
σ		0%	0.035	0.617	0.000	0.794	0.305	0.533	0.425	0.272
%RSD		0	53.970	34.530	0.000	6.976	29.490	43.600	55.040	24.970
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:33	-0.510	3.775	0.000	0.000	25.320	-2.703	-0.858	104%	-0.107
2	00:53:41	0.494	3.891	0.000	0.000	26.600	6.722	0.770	104%	-0.164
3	00:54:49	0.220	2.467	0.000	0.000	34.000	3.391	0.647	102%	-0.065
x		0.068	3.378	0.000	0.000	28.640	2.470	0.186	103%	-0.112
σ		0.519	0.791	0.000	0.000	4.687	4.779	0.907	1%	0.050
%RSD		763.800	23.420	0.000	0.000	16.370	193.500	486.800	1	44.550
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:33	-0.080	-0.033	0.194	0.508	0.018	-0.567	0.684	0.005	-0.009
2	00:53:41	-0.067	0.010	0.129	-1.133	-0.001	-0.471	-1.005	0.002	0.024
3	00:54:49	-0.047	0.002	0.070	0.327	0.015	-0.543	-1.645	-0.004	-0.017
x		-0.065	-0.007	0.131	-0.099	0.011	-0.527	-0.655	0.001	-0.001
σ		0.017	0.023	0.062	0.900	0.010	0.050	1.203	0.004	0.022
%RSD		25.910	347.000	47.170	907.200	97.410	9.511	183.600	391.200	4253.000
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:33	0.012	-0.011	0.059	0.004	0.061	0.005	0.596	0.061	0.500
2	00:53:41	0.002	0.025	0.011	-0.098	-0.510	0.017	0.640	-0.509	1.398
3	00:54:49	0.003	0.015	0.038	0.041	0.090	-0.000	0.549	0.090	0.631
x		0.006	0.010	0.036	-0.018	-0.120	0.007	0.595	-0.119	0.843
σ		0.005	0.019	0.024	0.072	0.338	0.009	0.045	0.338	0.485
%RSD		93.040	192.700	66.080	405.300	282.700	121.300	7.592	283.200	57.500
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:33	0.010	0.029	0.019	0.044	0.036	-0.001	102%	0.421	0.004
2	00:53:41	0.021	0.031	0.022	0.042	0.015	0.000	102%	0.408	0.003
3	00:54:49	-0.012	0.033	0.024	0.048	0.018	-0.001	101%	-0.102	0.006
x		0.007	0.031	0.022	0.045	0.023	-0.000	102%	0.242	0.004
σ		0.017	0.002	0.002	0.003	0.011	0.001	1%	0.298	0.002
%RSD		261.800	6.444	11.010	7.197	47.880	164.600	1	123.100	40.010
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	00:52:33	-0.195	0.421	0.009	0.032	0.069	0.081	0.014	0.031	102%
2	00:53:41	-0.168	0.410	0.008	0.031	0.071	0.086	0.007	0.030	102%
3	00:54:49	0.043	-0.102	0.003	-0.013	0.063	0.072	0.001	0.010	101%
x		-0.107	0.243	0.007	0.017	0.068	0.080	0.007	0.024	101%
σ		0.130	0.299	0.004	0.026	0.004	0.007	0.006	0.012	0%
%RSD		121.700	123.000	52.430	156.500	6.105	8.862	83.190	49.700	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	00:52:33	101%	0.004	0.010	0.008	0.005	0.009	101%	0.003	
2	00:53:41	101%	0.002	0.004	0.006	-0.002	0.003	102%	0.002	
3	00:54:49	101%	0.003	0.003	-0.001	-0.004	0.001	101%	0.002	
x		101%	0.003	0.005	0.004	0.000	0.004	101%	0.002	
σ		0%	0.001	0.004	0.005	0.005	0.005	1%	0.001	
%RSD		0	41.580	71.210	113.700	63140.000	111.300	1	44.200	

PB59275BS LCS01 11/19/2011 12:59:18 AM

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	01:00:26	106%	7.605	36.680	0.000	3884.000	3749.000	3665.000	3703.000	162.400
2	01:01:34	108%	7.195	40.930	0.000	3831.000	3744.000	3681.000	3705.000	161.500
3	01:02:42	108%	7.241	36.970	0.000	3839.000	3734.000	3648.000	3663.000	160.500
x		107%	7.347	38.200	0.000	3851.000	3742.000	3664.000	3690.000	161.400
σ		1%	0.224	2.376	0.000	28.330	7.311	16.490	23.580	0.949
%RSD		1	3.054	6.219	0.000	0.736	0.195	0.450	0.639	0.588
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:26	38.620	3.095	0.000	0.000	3835.000	3790.000	3713.000	105%	36.210
2	01:01:34	38.790	4.119	0.000	0.000	3859.000	3924.000	3723.000	104%	36.010
3	01:02:42	39.000	3.662	0.000	0.000	3839.000	3772.000	3709.000	106%	36.200
x		38.800	3.625	0.000	0.000	3844.000	3829.000	3715.000	105%	36.140
σ		0.191	0.513	0.000	0.000	13.030	82.930	7.478	1%	0.115
%RSD		0.491	14.150	0.000	0.000	0.339	2.165	0.201	1	0.319
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:26	36.280	14.400	0.094	1543.000	7.938	1539.000	1557.000	7.563	7.761
2	01:01:34	36.980	14.470	-0.270	1557.000	7.996	1542.000	1548.000	7.620	8.101
3	01:02:42	36.400	14.310	-0.149	1547.000	7.942	1535.000	1524.000	7.540	7.680
x		36.550	14.390	-0.108	1549.000	7.959	1539.000	1543.000	7.574	7.848
σ		0.377	0.082	0.185	7.512	0.032	3.890	17.090	0.041	0.223
%RSD		1.031	0.566	171.000	0.485	0.407	0.253	1.108	0.538	2.847
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:26	14.700	14.770	15.600	0.634	35.650	0.019	36.990	35.600	1.353
2	01:01:34	15.160	14.630	15.690	1.152	36.810	-0.063	37.510	36.730	0.551
3	01:02:42	14.930	14.450	15.400	1.132	36.370	-0.059	37.800	36.310	0.869
x		14.930	14.620	15.560	0.973	36.280	-0.034	37.440	36.210	0.924
σ		0.231	0.162	0.153	0.293	0.586	0.046	0.409	0.574	0.404
%RSD		1.548	1.106	0.985	30.170	1.615	136.000	1.091	1.584	43.680
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:26	36.840	36.510	35.530	36.280	35.720	-0.000	103%	1.443	8.348
2	01:01:34	35.730	36.410	36.030	36.420	36.210	-0.001	104%	1.336	8.340
3	01:02:42	35.690	35.810	35.900	35.980	35.990	-0.001	104%	1.449	8.273
x		36.090	36.240	35.820	36.230	35.970	-0.001	104%	1.410	8.321
σ		0.654	0.381	0.261	0.227	0.242	0.000	0%	0.063	0.041
%RSD		1.811	1.052	0.728	0.626	0.672	55.050	0	4.503	0.494
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:00:26	0.367	1.449	8.296	2.106	36.790	14.300	73.950	75.820	102%
2	01:01:34	0.411	1.339	8.271	2.002	36.670	14.400	75.240	75.670	103%
3	01:02:42	0.387	1.453	8.330	1.840	37.110	14.070	74.610	75.650	103%
x		0.388	1.414	8.299	1.983	36.860	14.250	74.600	75.710	103%
σ		0.022	0.065	0.030	0.134	0.231	0.168	0.644	0.091	1%
%RSD		5.585	4.566	0.362	6.768	0.626	1.177	0.863	0.121	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	01:00:26	102%	1.770	1.810	7.697	7.655	7.664	101%	7.571	
2	01:01:34	104%	1.818	1.812	7.604	7.680	7.701	102%	7.503	
3	01:02:42	103%	1.835	1.815	7.475	7.647	7.581	103%	7.496	
x		103%	1.808	1.812	7.592	7.661	7.649	102%	7.523	
σ		1%	0.034	0.002	0.112	0.017	0.061	1%	0.041	
%RSD		1	1.861	0.136	1.469	0.227	0.800	1	0.547	

Reviewed By:jeswal
On:11/21/2011
12:38:57 PM

PB59274BS LCS01 11/19/2011 01:07:12 AM

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	01:08:20	107%	7.423	35.420	0.000	3877.000	3768.000	3666.000	3706.000	161.300
2	01:09:28	108%	7.652	38.880	0.000	3842.000	3727.000	3652.000	3683.000	162.100
3	01:10:36	107%	7.620	39.030	0.000	3842.000	3742.000	3676.000	3696.000	161.200
x		107%	7.565	37.780	0.000	3854.000	3745.000	3665.000	3695.000	161.500
σ		0%	0.124	2.042	0.000	20.290	20.650	11.840	11.800	0.497
%RSD		0	1.637	5.405	0.000	0.526	0.551	0.323	0.319	0.308
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:20	40.980	2.485	0.000	0.000	3854.000	3789.000	3708.000	104%	35.630
2	01:09:28	37.760	3.825	0.000	0.000	3840.000	3804.000	3687.000	104%	36.620
3	01:10:36	38.160	4.184	0.000	0.000	3833.000	3746.000	3720.000	104%	36.290
x		38.970	3.498	0.000	0.000	3842.000	3779.000	3705.000	104%	36.180
σ		1.755	0.895	0.000	0.000	10.520	30.230	16.680	0%	0.501
%RSD		4.503	25.600	0.000	0.000	0.274	0.800	0.450	0	1.386
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:20	36.650	14.580	-0.247	1554.000	8.060	1543.000	1541.000	7.619	7.796
2	01:09:28	36.930	14.580	-0.256	1551.000	8.080	1549.000	1543.000	7.702	7.770
3	01:10:36	36.700	14.570	-0.259	1550.000	8.154	1545.000	1563.000	7.587	7.945
x		36.760	14.580	-0.254	1551.000	8.098	1546.000	1549.000	7.636	7.837
σ		0.150	0.009	0.006	2.135	0.050	3.329	12.070	0.060	0.094
%RSD		0.407	0.058	2.440	0.138	0.613	0.215	0.779	0.780	1.203
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:20	14.930	15.200	15.620	0.993	36.850	-0.038	37.500	36.810	2.137
2	01:09:28	14.850	14.740	15.870	1.009	37.310	-0.039	38.110	37.250	0.222
3	01:10:36	15.160	14.910	15.620	1.060	37.750	-0.045	36.890	37.700	0.319
x		14.980	14.950	15.700	1.021	37.300	-0.041	37.500	37.250	0.893
σ		0.161	0.235	0.144	0.035	0.453	0.004	0.606	0.445	1.079
%RSD		1.075	1.575	0.916	3.473	1.213	9.579	1.617	1.195	120.900
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:20	36.630	36.530	35.990	36.180	36.660	0.001	102%	1.976	8.286
2	01:09:28	36.240	36.430	36.410	36.610	36.560	0.000	103%	1.920	8.366
3	01:10:36	36.240	36.500	36.030	36.610	36.660	-0.000	103%	2.060	8.456
x		36.370	36.490	36.140	36.470	36.630	0.000	103%	1.986	8.370
σ		0.224	0.050	0.237	0.251	0.058	0.001	0%	0.070	0.085
%RSD		0.615	0.138	0.655	0.687	0.159	160.300	0	3.537	1.018
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:08:20	0.126	1.979	8.506	1.943	37.280	14.330	74.370	76.240	102%
2	01:09:28	0.218	1.924	8.271	2.026	37.060	14.340	75.170	75.680	102%
3	01:10:36	0.274	2.064	8.403	2.010	37.500	14.350	75.470	77.010	102%
x		0.206	1.989	8.393	1.993	37.280	14.340	75.010	76.310	102%
σ		0.075	0.070	0.118	0.044	0.221	0.011	0.567	0.664	0%
%RSD		36.280	3.541	1.404	2.194	0.592	0.075	0.756	0.870	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	01:08:20	102%	1.875	1.828	7.651	7.839	7.774	100%	7.635	
2	01:09:28	102%	1.801	1.817	7.630	7.622	7.747	101%	7.584	
3	01:10:36	101%	1.825	1.812	7.549	7.605	7.560	102%	7.476	
x		102%	1.834	1.819	7.610	7.689	7.694	101%	7.565	
σ		1%	0.038	0.008	0.054	0.131	0.117	1%	0.081	
%RSD		1	2.066	0.454	0.708	1.698	1.518	1	1.075	

PB59238BS LCS01 11/19/2011 01:15:06 AM

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	01:16:14	108%	1.939	11.000	0.000	1005.000	1038.000	1010.000	1016.000	45.010
2	01:17:22	106%	1.995	12.100	0.000	1039.000	1069.000	1036.000	1051.000	45.800
3	01:18:30	106%	1.987	10.660	0.000	1038.000	1071.000	1042.000	1041.000	46.240
x		107%	1.974	11.260	0.000	1027.000	1059.000	1030.000	1036.000	45.680
σ		1%	0.031	0.751	0.000	19.090	18.150	17.010	18.010	0.623
%RSD		1	1.557	6.674	0.000	1.858	1.714	1.652	1.738	1.364
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:14	10.410	2.061	0.000	0.000	1040.000	1013.000	961.800	104%	9.156
2	01:17:22	11.690	3.923	0.000	0.000	1065.000	1017.000	998.400	103%	9.499
3	01:18:30	11.690	1.011	0.000	0.000	1072.000	1022.000	1002.000	103%	9.457
x		11.270	2.332	0.000	0.000	1059.000	1017.000	987.500	103%	9.371
σ		0.738	1.475	0.000	0.000	16.460	4.419	22.320	1%	0.187
%RSD		6.550	63.260	0.000	0.000	1.554	0.435	2.269	1	1.996
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:14	9.631	4.034	-0.433	410.600	2.124	420.000	408.400	1.978	2.095
2	01:17:22	9.703	4.092	-0.278	420.100	2.212	426.800	420.600	2.088	2.246
3	01:18:30	9.752	4.053	-0.274	419.800	2.177	434.400	419.900	2.049	2.193
x		9.695	4.060	-0.328	416.900	2.171	427.100	416.300	2.038	2.178
σ		0.061	0.030	0.091	5.417	0.045	7.170	6.859	0.056	0.077
%RSD		0.627	0.731	27.640	1.300	2.055	1.679	1.648	2.726	3.513
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:14	4.188	4.130	4.357	2.034	9.119	-0.010	9.958	9.099	1.247
2	01:17:22	4.278	4.470	4.384	1.896	9.180	0.012	11.310	9.172	1.657
3	01:18:30	4.340	4.138	4.442	1.842	9.374	0.020	10.720	9.351	1.071
x		4.269	4.246	4.394	1.924	9.224	0.007	10.660	9.207	1.325
σ		0.076	0.194	0.044	0.099	0.133	0.016	0.676	0.129	0.301
%RSD		1.787	4.568	0.996	5.146	1.444	214.000	6.345	1.405	22.690
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:14	9.417	9.408	9.495	9.329	9.482	0.002	103%	2.016	2.054
2	01:17:22	9.682	9.889	9.797	9.866	9.590	-0.001	101%	2.645	2.222
3	01:18:30	9.774	9.660	9.394	9.908	9.868	-0.001	103%	2.259	2.129
x		9.625	9.652	9.562	9.701	9.647	-0.000	102%	2.307	2.135
σ		0.185	0.241	0.210	0.323	0.199	0.001	1%	0.317	0.084
%RSD		1.926	2.496	2.192	3.329	2.061	4722.000	1	13.750	3.924
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:16:14	0.150	2.020	2.080	2.031	9.854	3.998	19.010	19.950	102%
2	01:17:22	-0.239	2.647	2.202	2.144	10.080	4.100	19.760	20.500	101%
3	01:18:30	0.101	2.262	2.122	2.083	9.745	4.010	19.540	19.910	102%
x		0.004	2.310	2.135	2.086	9.893	4.036	19.440	20.120	102%
σ		0.212	0.316	0.062	0.057	0.172	0.056	0.389	0.331	1%
%RSD		5703.000	13.680	2.917	2.718	1.738	1.389	2.000	1.647	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	01:16:14	101%	2.000	1.998	2.063	1.968	2.040	102%	1.947	
2	01:17:22	101%	2.103	2.096	2.092	2.101	2.082	100%	2.041	
3	01:18:30	102%	1.972	1.971	2.040	2.043	2.044	102%	1.964	
x		101%	2.025	2.022	2.065	2.037	2.055	101%	1.984	
σ		1%	0.069	0.066	0.026	0.067	0.023	1%	0.050	
%RSD		1	3.401	3.268	1.274	3.289	1.138	1	2.524	

Reviewed By:eswal
On:11/21/2011
12:38:57 PM
Inst:ICP6

C4481-01 MB9TA1 11/19/2011 01:23:00 AM

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	01:24:09	108%	0.155	12.100	0.000	672.100	102.400	99.040	98.320	16.550
2	01:25:17	107%	0.151	11.540	0.000	675.300	103.100	98.380	100.600	16.550
3	01:26:25	108%	-0.039	11.400	0.000	681.000	100.400	97.410	98.000	16.580
x		108%	0.089	11.680	0.000	676.100	102.000	98.270	98.960	16.560
σ		0%	0.111	0.372	0.000	4.515	1.406	0.822	1.394	0.018
%RSD		0	125.100	3.188	0.000	0.668	1.379	0.836	1.409	0.106

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:09	50.050	11.610	0.000	0.000	170.300	781.300	800.500	101%	0.633
2	01:25:17	51.010	11.130	0.000	0.000	164.200	779.000	782.700	100%	0.638
3	01:26:25	49.870	10.900	0.000	0.000	155.600	783.300	782.800	99%	0.681
x		50.310	11.210	0.000	0.000	163.400	781.200	788.700	100%	0.651
σ		0.618	0.363	0.000	0.000	7.384	2.158	10.210	1%	0.027
%RSD		1.228	3.242	0.000	0.000	4.519	0.276	1.294	1	4.085

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:09	-5.280	2.876	423.700	118.300	10.160	104.100	87.900	0.031	1.286
2	01:25:17	-6.056	3.073	492.600	122.000	10.190	101.300	85.640	0.031	1.298
3	01:26:25	-8.259	3.240	524.900	122.500	10.000	98.980	84.100	0.033	1.267
x		-6.532	3.063	480.400	121.000	10.120	101.500	85.880	0.032	1.284
σ		1.545	0.182	51.660	2.310	0.100	2.563	1.910	0.001	0.016
%RSD		23.660	5.940	10.750	1.910	0.990	2.527	2.225	3.421	1.221

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:09	1.886	1.933	11.390	-0.842	-0.330	4.665	-0.118	-0.330	1.465
2	01:25:17	1.860	1.798	11.140	-1.076	-0.179	5.300	0.309	-0.178	1.287
3	01:26:25	1.724	1.771	11.430	0.633	0.073	5.225	-0.485	0.073	0.755
x		1.823	1.834	11.320	-0.428	-0.145	5.063	-0.098	-0.145	1.169
σ		0.087	0.087	0.156	0.927	0.204	0.347	0.398	0.204	0.370
%RSD		4.772	4.743	1.376	216.400	140.200	6.849	406.200	140.600	31.620

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:09	0.202	0.073	0.067	0.074	0.039	0.000	96%	-0.680	0.090
2	01:25:17	0.222	0.048	0.085	0.095	0.048	0.003	96%	-0.909	0.055
3	01:26:25	0.221	0.046	0.077	0.051	0.058	0.000	96%	-0.355	0.058
x		0.215	0.056	0.076	0.073	0.048	0.001	96%	-0.548	0.067
σ		0.011	0.015	0.009	0.022	0.009	0.001	0%	0.278	0.019
%RSD		5.127	27.060	12.200	30.420	19.100	101.200	0	42.930	28.870

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:09	0.339	-0.680	0.077	0.063	1.182	0.214	1.787	1.955	96%
2	01:25:17	0.454	-0.907	0.053	0.040	1.043	0.196	1.876	1.891	95%
3	01:26:25	0.215	-0.355	0.052	0.087	0.930	0.172	1.743	1.741	96%
x		0.336	-0.647	0.061	0.063	1.052	0.194	1.802	1.862	95%
σ		0.120	0.278	0.014	0.024	0.126	0.021	0.068	0.110	1%
%RSD		35.580	42.920	23.810	37.310	12.010	10.910	3.770	5.884	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:24:09	96%	0.128	0.125	6.314	6.409	6.347	95%	0.014
2	01:25:17	96%	0.097	0.086	6.255	6.395	6.346	94%	0.014
3	01:26:25	95%	0.076	0.063	6.164	6.240	6.221	96%	0.015
x		96%	0.100	0.091	6.244	6.348	6.305	95%	0.015
σ		0%	0.026	0.031	0.076	0.094	0.072	1%	0.001
%RSD		0	26.090	34.230	1.211	1.478	1.146	1	6.002

C4482-02 MB9TD0 11/19/2011 01:30:56 AM

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	01:32:04	92%	0.208	272.900	0.000	48850.000	25500.000	25310.000	25330.000	79.900
2	01:33:13	95%	0.156	277.800	0.000	48950.000	25550.000	25570.000	25220.000	78.890
3	01:34:21	96%	0.230	269.700	0.000	49840.000	26070.000	25990.000	25780.000	81.040
x		94%	0.198	273.400	0.000	49210.000	25710.000	25630.000	25440.000	79.940
σ		2%	0.038	4.086	0.000	547.200	314.500	344.900	298.700	1.073
%RSD		2	19.150	1.494	0.000	1.112	1.223	1.346	1.174	1.342
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:32:04	16620.000	116.200	0.000	0.000	10870.000	34990.000	35380.000	92%	2.352
2	01:33:13	16790.000	113.200	0.000	0.000	10880.000	34540.000	35320.000	94%	2.241
3	01:34:21	17000.000	118.600	0.000	0.000	11060.000	34970.000	35780.000	95%	2.305
x		16810.000	116.000	0.000	0.000	10940.000	34840.000	35490.000	94%	2.299
σ		190.900	2.700	0.000	0.000	104.600	255.000	249.400	2%	0.056
%RSD		1.136	2.327	0.000	0.000	0.957	0.732	0.703	2	2.425
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:32:04	0.582	2.295	40.860	2331.000	529.300	2320.000	2351.000	12.930	22.240
2	01:33:13	0.489	2.193	32.870	2348.000	530.600	2322.000	2349.000	12.750	22.180
3	01:34:21	0.197	2.167	27.830	2379.000	541.000	2334.000	2358.000	12.990	22.810
x		0.423	2.219	33.850	2353.000	533.700	2325.000	2353.000	12.890	22.410
σ		0.201	0.068	6.570	24.770	6.394	7.527	5.094	0.127	0.346
%RSD		47.600	3.052	19.410	1.053	1.198	0.324	0.217	0.987	1.546
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:32:04	3.716	3.656	93.260	2.139	0.847	0.463	0.031	0.845	0.010
2	01:33:13	3.646	3.516	92.610	1.780	0.365	0.433	0.128	0.364	2.292
3	01:34:21	3.690	3.575	93.160	2.095	0.323	0.345	0.037	0.323	1.767
x		3.684	3.582	93.010	2.005	0.512	0.414	0.065	0.511	1.356
σ		0.036	0.070	0.349	0.196	0.291	0.062	0.054	0.290	1.195
%RSD		0.972	1.953	0.375	9.764	56.890	14.910	83.700	56.790	88.120
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:32:04	1.286	0.218	0.347	0.221	0.232	0.001	91%	0.105	0.011
2	01:33:13	1.357	0.211	0.317	0.234	0.225	-0.000	93%	-0.608	0.016
3	01:34:21	1.342	0.266	0.363	0.223	0.227	0.001	93%	0.351	0.014
x		1.329	0.232	0.342	0.226	0.228	0.001	92%	-0.051	0.014
σ		0.037	0.030	0.024	0.007	0.004	0.001	1%	0.498	0.002
%RSD		2.809	12.980	6.938	2.993	1.649	132.800	1	984.800	15.700
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:32:04	0.027	0.095	0.012	0.126	0.352	0.750	161.300	164.800	96%
2	01:33:13	0.477	-0.619	0.013	0.078	0.385	0.693	158.900	162.600	99%
3	01:34:21	-0.027	0.339	0.012	0.152	0.367	0.747	162.300	166.500	99%
x		0.159	-0.062	0.012	0.119	0.368	0.730	160.800	164.700	98%
σ		0.277	0.498	0.001	0.038	0.016	0.032	1.731	1.967	2%
%RSD		174.100	807.700	7.660	31.970	4.452	4.367	1.076	1.195	2
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	01:32:04	97%	0.026	0.027	3.136	3.001	3.066	98%	0.057	
2	01:33:13	99%	0.015	0.026	3.099	2.968	3.042	99%	0.052	
3	01:34:21	100%	0.021	0.024	3.131	2.971	3.043	100%	0.060	
x		99%	0.021	0.026	3.122	2.980	3.050	99%	0.056	
σ		1%	0.005	0.002	0.020	0.018	0.014	1%	0.004	
%RSD		1	25.770	6.804	0.644	0.616	0.447	1	7.480	

C4482-03 MB9TC2 11/19/2011 01:38:53 AM

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	01:40:01	98%	0.077	123.900	0.000	61230.000	20990.000	21060.000	21030.000	58.590
2	01:41:09	99%	0.130	126.200	0.000	60890.000	20840.000	20810.000	20790.000	57.940
3	01:42:18	100%	0.211	118.000	0.000	60780.000	20990.000	20900.000	20800.000	57.840
x		99%	0.139	122.700	0.000	60960.000	20940.000	20920.000	20870.000	58.120
σ		1%	0.068	4.250	0.000	234.700	85.860	126.000	134.600	0.406
%RSD		1	48.690	3.464	0.000	0.385	0.410	0.602	0.645	0.699

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:40:01	8436.000	187.800	0.000	0.000	7483.000	60240.000	61440.000	99%	2.140
2	01:41:09	8416.000	189.100	0.000	0.000	7471.000	60500.000	61300.000	99%	2.209
3	01:42:18	8370.000	188.800	0.000	0.000	7462.000	60980.000	61370.000	98%	2.282
x		8407.000	188.600	0.000	0.000	7472.000	60570.000	61370.000	98%	2.210
σ		33.390	0.669	0.000	0.000	10.480	373.400	69.370	0%	0.071
%RSD		0.397	0.355	0.000	0.000	0.140	0.617	0.113	0	3.219

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:40:01	1.931	2.477	15.760	552.500	127.700	562.700	618.000	0.493	6.160
2	01:41:09	1.844	2.591	14.660	554.800	127.900	560.500	623.100	0.510	6.036
3	01:42:18	1.852	2.457	13.860	553.400	128.900	562.800	621.700	0.488	6.237
x		1.876	2.508	14.760	553.600	128.200	562.000	620.900	0.497	6.144
σ		0.048	0.072	0.955	1.187	0.642	1.290	2.644	0.012	0.102
%RSD		2.558	2.880	6.468	0.215	0.501	0.230	0.426	2.390	1.656

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:40:01	7.937	7.798	26.820	1.658	0.794	0.221	1.401	0.794	2.090
2	01:41:09	7.919	7.746	26.690	1.699	1.152	0.197	1.478	1.151	1.497
3	01:42:18	7.939	7.784	27.240	1.817	1.194	0.176	0.847	1.193	1.098
x		7.932	7.776	26.920	1.725	1.046	0.198	1.242	1.046	1.562
σ		0.011	0.027	0.284	0.082	0.220	0.023	0.344	0.220	0.499
%RSD		0.136	0.347	1.054	4.772	21.010	11.380	27.730	21.000	31.980

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:40:01	2.560	1.489	1.585	1.421	1.545	0.001	96%	-0.489	0.019
2	01:41:09	2.585	1.517	1.686	1.532	1.461	0.002	97%	-0.270	0.014
3	01:42:18	2.740	1.512	1.611	1.520	1.508	0.000	96%	-0.307	0.018
x		2.629	1.506	1.627	1.491	1.505	0.001	96%	-0.355	0.017
σ		0.098	0.015	0.052	0.061	0.042	0.001	0%	0.117	0.003
%RSD		3.717	0.993	3.201	4.085	2.806	57.920	0	32.970	15.880

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:40:01	0.312	-0.496	0.020	0.009	0.433	0.712	94.590	96.960	100%
2	01:41:09	0.224	-0.276	0.020	0.016	0.428	0.684	94.820	97.020	100%
3	01:42:18	0.173	-0.314	0.018	0.039	0.415	0.671	94.740	97.690	99%
x		0.236	-0.362	0.020	0.022	0.425	0.689	94.710	97.220	100%
σ		0.070	0.117	0.001	0.015	0.009	0.021	0.113	0.402	0%
%RSD		29.720	32.460	6.344	71.630	2.142	3.093	0.119	0.414	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:40:01	100%	0.018	0.024	4.883	4.574	4.742	99%	0.466
2	01:41:09	101%	0.013	0.016	4.843	4.760	4.813	99%	0.453
3	01:42:18	100%	0.014	0.013	4.762	4.680	4.716	99%	0.458
x		100%	0.015	0.018	4.829	4.671	4.757	99%	0.459
σ		0%	0.002	0.005	0.061	0.093	0.050	0%	0.007
%RSD		0	13.960	30.660	1.273	1.997	1.051	0	1.466

Reviewed By: [illegible]
[illegible]/2011
2:38:57 PM
[illegible]

C4482-03LXS MB9TC2L 11/19/2011 01:46:49 AM

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	01:47:57	102%	0.096	23.990	0.000	12190.000	4179.000	4114.000	4123.000	14.080
2	01:49:05	102%	0.050	25.270	0.000	12390.000	4245.000	4153.000	4171.000	14.680
3	01:50:13	102%	0.052	26.600	0.000	12320.000	4245.000	4175.000	4184.000	15.470
x		102%	0.066	25.290	0.000	12300.000	4223.000	4147.000	4159.000	14.740
σ		0%	0.026	1.310	0.000	102.300	38.160	31.080	31.930	0.701
%RSD		0	39.160	5.179	0.000	0.832	0.904	0.750	0.768	4.753

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:57	1705.000	39.080	0.000	0.000	1526.000	12250.000	11970.000	100%	0.532
2	01:49:05	1731.000	40.860	0.000	0.000	1562.000	12430.000	11970.000	100%	0.358
3	01:50:13	1744.000	40.970	0.000	0.000	1574.000	12350.000	12160.000	100%	0.415
x		1726.000	40.300	0.000	0.000	1554.000	12340.000	12030.000	100%	0.435
σ		20.030	1.062	0.000	0.000	25.210	87.650	108.100	0%	0.089
%RSD		1.160	2.635	0.000	0.000	1.622	0.710	0.899	0	20.340

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:57	0.350	0.675	9.739	110.900	26.140	115.000	123.400	0.103	1.440
2	01:49:05	0.266	0.716	9.247	111.800	26.030	116.200	130.000	0.107	1.454
3	01:50:13	0.234	0.674	8.851	114.400	26.360	118.000	129.300	0.103	1.484
x		0.283	0.688	9.279	112.400	26.180	116.400	127.600	0.104	1.459
σ		0.060	0.024	0.445	1.805	0.164	1.513	3.613	0.002	0.023
%RSD		21.170	3.514	4.790	1.607	0.628	1.299	2.832	2.243	1.557

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:57	1.718	1.599	5.791	0.520	0.113	0.120	0.242	0.113	0.949
2	01:49:05	1.730	1.579	5.823	0.271	0.024	0.135	0.765	0.024	1.298
3	01:50:13	1.631	1.690	5.918	0.198	0.015	0.144	0.906	0.015	-0.748
x		1.693	1.623	5.844	0.330	0.051	0.133	0.638	0.051	0.500
σ		0.054	0.059	0.066	0.169	0.054	0.012	0.350	0.054	1.094
%RSD		3.169	3.666	1.131	51.300	105.300	9.127	54.850	106.600	219.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:57	0.563	0.286	0.305	0.323	0.331	-0.001	98%	0.174	0.007
2	01:49:05	0.528	0.336	0.338	0.320	0.319	-0.001	99%	-0.464	0.013
3	01:50:13	0.576	0.327	0.331	0.320	0.319	0.000	100%	-0.126	0.019
x		0.555	0.316	0.325	0.321	0.323	-0.000	99%	-0.139	0.013
σ		0.025	0.027	0.017	0.002	0.007	0.001	1%	0.319	0.006
%RSD		4.496	8.387	5.252	0.556	2.046	172.700	1	230.400	48.010

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:57	-0.079	0.168	0.016	0.025	0.131	0.155	19.110	19.620	101%
2	01:49:05	0.251	-0.466	0.012	-0.027	0.110	0.168	19.010	19.900	100%
3	01:50:13	0.109	-0.128	0.019	-0.014	0.119	0.156	19.230	19.510	101%
x		0.094	-0.142	0.016	-0.005	0.120	0.160	19.120	19.680	101%
σ		0.166	0.317	0.004	0.027	0.011	0.008	0.111	0.204	1%
%RSD		177.100	223.500	23.650	525.600	8.824	4.706	0.583	1.039	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:47:57	102%	0.012	0.009	1.020	0.906	0.957	102%	0.093
2	01:49:05	101%	0.012	0.010	0.979	0.948	0.970	102%	0.091
3	01:50:13	102%	0.011	0.012	1.037	0.950	0.993	102%	0.097
x		102%	0.012	0.010	1.012	0.935	0.973	102%	0.093
σ		1%	0.001	0.001	0.030	0.024	0.018	0%	0.003
%RSD		1	7.386	10.700	2.981	2.612	1.891	0	3.079

Reviewed By:eswa
On:11/21/2011
12:38:57 PM
Inst Id :P8

CCV59 11/19/2011 01:54:44 AM

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	01:55:52	98%	486.800	489.500	0.000	50620.000	51320.000	50740.000	50960.000	10120.000
2	01:57:00	97%	485.700	492.500	0.000	50230.000	50600.000	50700.000	50810.000	10060.000
3	01:58:08	97%	485.800	488.800	0.000	50120.000	50530.000	50570.000	50740.000	10150.000
x		98%	486.100	490.200	0.000	50320.000	50820.000	50670.000	50840.000	10110.000
σ		0%	0.621	1.949	0.000	264.200	438.600	92.380	112.000	44.350
%RSD		0	0.128	0.398	0.000	0.525	0.863	0.182	0.220	0.439

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:55:52	499.000	9671.000	0.000	0.000	24890.000	49500.000	50710.000	96%	490.000
2	01:57:00	489.500	9661.000	0.000	0.000	25140.000	49540.000	50690.000	95%	492.700
3	01:58:08	492.100	9670.000	0.000	0.000	24960.000	50100.000	50820.000	95%	495.400
x		493.500	9667.000	0.000	0.000	24990.000	49720.000	50740.000	95%	492.700
σ		4.898	5.761	0.000	0.000	128.700	336.600	71.140	1%	2.711
%RSD		0.992	0.060	0.000	0.000	0.515	0.677	0.140	1	0.550

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:55:52	489.800	491.000	3.893	24990.000	1009.000	25050.000	25290.000	488.600	488.800
2	01:57:00	493.200	492.500	1.965	25050.000	1018.000	25080.000	25360.000	491.000	492.500
3	01:58:08	492.000	492.500	3.243	25150.000	1017.000	25140.000	25320.000	492.700	492.100
x		491.600	492.000	3.034	25060.000	1014.000	25090.000	25320.000	490.800	491.100
σ		1.704	0.899	0.981	82.570	4.607	47.360	31.450	2.068	1.992
%RSD		0.347	0.183	32.330	0.330	0.454	0.189	0.124	0.421	0.406

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:55:52	989.700	976.900	983.100	489.000	495.600	-0.329	495.600	495.100	0.642
2	01:57:00	986.400	983.400	984.700	493.100	498.700	-0.511	495.100	497.800	1.344
3	01:58:08	987.200	979.200	1000.000	493.600	496.400	-0.438	498.900	495.800	1.606
x		987.700	979.800	989.400	491.900	496.900	-0.426	496.500	496.300	1.197
σ		1.725	3.302	9.619	2.531	1.588	0.092	2.097	1.421	0.498
%RSD		0.175	0.337	0.972	0.515	0.320	21.500	0.422	0.286	41.620

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:55:52	492.800	494.700	491.400	491.500	497.500	0.001	94%	507.600	518.700
2	01:57:00	497.300	493.200	491.400	494.600	493.700	0.004	94%	508.400	518.100
3	01:58:08	501.800	501.000	494.500	495.300	498.100	0.001	93%	508.400	523.400
x		497.300	496.300	492.400	493.800	496.400	0.002	94%	508.100	520.100
σ		4.468	4.151	1.790	2.045	2.369	0.002	1%	0.467	2.894
%RSD		0.898	0.836	0.363	0.414	0.477	74.980	1	0.092	0.556

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:55:52	8.457	507.000	517.500	504.100	503.400	499.700	2480.000	2499.000	99%
2	01:57:00	2.506	507.900	521.800	508.100	500.600	500.500	2462.000	2508.000	98%
3	01:58:08	8.245	507.600	522.500	506.500	504.300	506.600	2460.000	2506.000	99%
x		6.403	507.500	520.600	506.200	502.800	502.300	2467.000	2504.000	99%
σ		3.376	0.443	2.728	1.999	1.963	3.799	10.580	4.934	1%
%RSD		52.740	0.087	0.524	0.395	0.390	0.756	0.429	0.197	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	01:55:52	100%	497.000	499.000	492.500	499.500	499.700	98%	496.300
2	01:57:00	99%	502.400	502.200	498.200	496.000	501.100	97%	505.800
3	01:58:08	99%	496.900	498.300	498.800	498.700	501.300	98%	500.900
x		99%	498.800	499.800	496.500	498.100	500.700	98%	501.000
σ		1%	3.161	2.090	3.490	1.812	0.846	0%	4.714
%RSD		1	0.634	0.418	0.703	0.364	0.169	0	0.941

Reviewed By jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

CCB59 11/19/2011 02:02:37 AM

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	02:03:45	99%	0.101	8.089	0.000	5.245	11.220	10.700	10.880	4.511
2	02:04:53	99%	0.113	5.714	0.000	7.271	12.680	11.840	12.010	4.810
3	02:06:01	98%	0.166	5.665	0.000	4.919	10.580	10.940	10.310	4.858
x		99%	0.127	6.489	0.000	5.812	11.490	11.160	11.070	4.726
σ		0%	0.034	1.385	0.000	1.275	1.080	0.600	0.867	0.188
%RSD		0	27.130	21.350	0.000	21.930	9.400	5.379	7.834	3.981

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:03:45	1.120	5.169	0.000	0.000	34.800	13.940	14.660	96%	-0.086
2	02:04:53	1.774	5.503	0.000	0.000	33.020	18.260	16.550	96%	-0.048
3	02:06:01	0.878	5.212	0.000	0.000	34.920	12.450	12.540	96%	-0.022
x		1.257	5.295	0.000	0.000	34.240	14.880	14.580	96%	-0.052
σ		0.464	0.182	0.000	0.000	1.062	3.015	2.004	0%	0.032
%RSD		36.870	3.434	0.000	0.000	3.102	20.260	13.740	0	62.320

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:03:45	-0.083	0.082	2.993	2.993	0.222	-0.009	5.619	0.089	0.068
2	02:04:53	-0.008	0.083	2.942	3.533	0.236	0.439	4.903	0.110	0.156
3	02:06:01	0.051	0.090	2.723	2.224	0.204	0.757	5.785	0.082	0.105
x		-0.013	0.085	2.886	2.917	0.221	0.396	5.436	0.094	0.110
σ		0.067	0.004	0.144	0.658	0.016	0.385	0.469	0.014	0.044
%RSD		499.500	5.210	4.979	22.570	7.270	97.160	8.619	15.400	40.450

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:03:45	0.209	0.181	0.260	0.110	-0.142	0.043	0.791	-0.142	1.272
2	02:04:53	0.237	0.209	0.289	0.194	0.276	0.029	0.253	0.275	0.423
3	02:06:01	0.202	0.220	0.217	0.010	-0.270	0.050	0.278	-0.269	2.480
x		0.216	0.203	0.255	0.104	-0.045	0.041	0.441	-0.045	1.391
σ		0.018	0.020	0.037	0.092	0.285	0.011	0.304	0.285	1.034
%RSD		8.463	9.986	14.320	88.430	629.200	26.260	68.940	628.900	74.300

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:03:45	0.285	0.294	0.268	0.351	0.339	-0.000	96%	-0.360	0.131
2	02:04:53	0.279	0.294	0.270	0.280	0.259	-0.000	96%	0.437	0.132
3	02:06:01	0.153	0.204	0.188	0.197	0.201	0.002	97%	0.222	0.097
x		0.239	0.264	0.242	0.276	0.267	0.000	96%	0.099	0.120
σ		0.075	0.052	0.047	0.077	0.069	0.001	1%	0.413	0.020
%RSD		31.270	19.610	19.400	28.010	26.070	243.200	1	415.100	16.480

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:03:45	0.208	-0.366	0.126	0.064	0.563	0.910	0.459	0.499	99%
2	02:04:53	-0.131	0.432	0.128	0.127	0.466	0.709	0.499	0.521	99%
3	02:06:01	-0.113	0.218	0.086	0.090	0.342	0.582	0.432	0.440	99%
x		-0.012	0.095	0.114	0.094	0.457	0.734	0.463	0.487	99%
σ		0.191	0.413	0.024	0.031	0.111	0.165	0.034	0.042	0%
%RSD		1628.000	435.400	20.870	33.480	24.320	22.500	7.235	8.536	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:03:45	99%	0.170	0.167	0.091	0.098	0.099	99%	0.097
2	02:04:53	99%	0.148	0.152	0.126	0.107	0.121	100%	0.109
3	02:06:01	100%	0.111	0.112	0.093	0.073	0.085	100%	0.091
x		99%	0.143	0.143	0.103	0.093	0.102	100%	0.099
σ		1%	0.030	0.029	0.019	0.018	0.019	0%	0.009
%RSD		1	20.750	19.960	18.900	18.930	18.190	0	9.562

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4482-04 MB9TC2D 11/19/2011 02:10:30 AM

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	02:11:39	99%	0.123	109.100	0.000	60300.000	20700.000	20800.000	20650.000	57.790
2	02:12:47	101%	0.021	110.100	0.000	60690.000	20790.000	20740.000	20790.000	58.280
3	02:13:55	102%	0.068	105.900	0.000	60060.000	20740.000	20690.000	20570.000	57.680
x		101%	0.070	108.300	0.000	60350.000	20740.000	20740.000	20670.000	57.920
σ		1%	0.051	2.219	0.000	318.600	42.700	57.300	115.900	0.319
%RSD		1	72.570	2.048	0.000	0.528	0.206	0.276	0.561	0.551

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:11:39	8353.000	185.900	0.000	0.000	7512.000	61060.000	61700.000	99%	2.261
2	02:12:47	8432.000	184.200	0.000	0.000	7561.000	60900.000	61840.000	100%	2.062
3	02:13:55	8412.000	186.300	0.000	0.000	7566.000	61140.000	61800.000	99%	2.323
x		8399.000	185.500	0.000	0.000	7546.000	61030.000	61780.000	99%	2.215
σ		41.000	1.109	0.000	0.000	29.770	119.100	71.110	0%	0.136
%RSD		0.488	0.598	0.000	0.000	0.395	0.195	0.115	0	6.159

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:11:39	1.802	1.535	4.423	533.400	128.500	541.200	614.600	0.512	5.242
2	02:12:47	1.892	1.669	4.428	545.300	129.100	540.100	606.200	0.496	5.608
3	02:13:55	1.879	1.586	4.449	540.600	128.500	541.100	613.000	0.504	5.438
x		1.858	1.597	4.433	539.800	128.700	540.800	611.300	0.504	5.429
σ		0.049	0.068	0.014	5.996	0.347	0.636	4.422	0.008	0.183
%RSD		2.623	4.252	0.313	1.111	0.270	0.118	0.723	1.535	3.377

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:11:39	7.002	6.900	19.360	1.669	0.675	0.071	1.186	0.675	1.854
2	02:12:47	7.156	6.921	19.150	1.809	0.833	0.051	1.270	0.833	1.027
3	02:13:55	7.074	6.860	19.620	1.910	1.225	0.045	1.256	1.225	0.620
x		7.077	6.894	19.380	1.796	0.911	0.056	1.237	0.911	1.167
σ		0.077	0.031	0.239	0.121	0.283	0.013	0.045	0.283	0.628
%RSD		1.084	0.451	1.234	6.735	31.100	24.240	3.603	31.070	53.860

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:11:39	2.983	1.693	1.701	1.672	1.670	0.001	96%	0.202	0.031
2	02:12:47	2.868	1.663	1.789	1.700	1.650	-0.000	97%	0.002	0.029
3	02:13:55	2.839	1.642	1.795	1.862	1.681	0.003	97%	1.036	0.028
x		2.896	1.666	1.762	1.745	1.667	0.001	97%	0.413	0.029
σ		0.076	0.026	0.052	0.102	0.016	0.002	0%	0.549	0.001
%RSD		2.629	1.533	2.978	5.870	0.954	123.000	0	132.700	3.928

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:11:39	0.079	0.193	0.026	0.054	0.403	0.941	96.110	97.910	100%
2	02:12:47	0.113	-0.006	0.023	0.019	0.413	0.931	95.710	98.260	101%
3	02:13:55	-0.356	1.027	0.023	0.140	0.377	0.856	95.690	98.070	101%
x		-0.055	0.405	0.024	0.071	0.398	0.909	95.840	98.080	101%
σ		0.261	0.548	0.002	0.062	0.019	0.046	0.238	0.178	0%
%RSD		478.400	135.400	7.098	87.410	4.675	5.104	0.248	0.182	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:11:39	100%	0.068	0.066	3.815	3.537	3.657	100%	0.457
2	02:12:47	101%	0.061	0.052	3.792	3.552	3.707	99%	0.470
3	02:13:55	102%	0.072	0.054	3.787	3.518	3.672	101%	0.464
x		101%	0.067	0.058	3.798	3.536	3.678	100%	0.464
σ		1%	0.005	0.007	0.015	0.017	0.026	1%	0.007
%RSD		1	7.922	12.820	0.391	0.484	0.698	1	1.410

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4482-05 MB9TC2S 11/19/2011 02:18:24 AM

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	02:19:32	96%	172.700	113.600	0.000	65020.000	22390.000	22300.000	22310.000	7110.000
2	02:20:40	96%	171.000	107.300	0.000	64640.000	22160.000	22160.000	22030.000	7033.000
3	02:21:48	95%	173.900	111.800	0.000	65270.000	22420.000	22470.000	22300.000	7165.000
x		95%	172.500	110.900	0.000	64980.000	22320.000	22310.000	22210.000	7103.000
σ		0%	1.496	3.265	0.000	314.200	146.200	152.100	161.900	66.040
%RSD		0	0.867	2.943	0.000	0.484	0.655	0.682	0.729	0.930
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:19:32	9104.000	196.800	0.000	0.000	8034.000	65660.000	66450.000	94%	2.733
2	02:20:40	9060.000	190.900	0.000	0.000	7950.000	64060.000	65450.000	94%	2.318
3	02:21:48	9136.000	192.400	0.000	0.000	8105.000	65550.000	67150.000	93%	2.452
x		9100.000	193.400	0.000	0.000	8030.000	65090.000	66350.000	93%	2.501
σ		38.140	3.094	0.000	0.000	77.350	890.900	856.400	0%	0.212
%RSD		0.419	1.600	0.000	0.000	0.963	1.369	1.291	0	8.469
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:19:32	1704.000	701.800	40.610	4202.000	1881.000	4119.000	4206.000	1701.000	1707.000
2	02:20:40	1689.000	687.500	52.320	4173.000	1862.000	4075.000	4188.000	1686.000	1690.000
3	02:21:48	1708.000	702.200	54.780	4222.000	1896.000	4143.000	4208.000	1713.000	1729.000
x		1700.000	697.200	49.240	4199.000	1880.000	4113.000	4201.000	1700.000	1709.000
σ		10.020	8.369	7.569	24.490	16.910	34.890	11.340	13.590	19.640
%RSD		0.590	1.200	15.370	0.583	0.900	0.848	0.270	0.799	1.150
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:19:32	881.400	878.600	1788.000	147.400	357.000	0.202	348.000	357.000	1.702
2	02:20:40	871.600	861.200	1755.000	143.000	340.300	0.554	344.300	340.000	0.695
3	02:21:48	881.800	872.500	1782.000	146.700	350.600	0.391	347.000	350.300	1.741
x		878.200	870.800	1775.000	145.700	349.300	0.383	346.500	349.100	1.379
σ		5.800	8.821	17.680	2.351	8.380	0.176	1.884	8.572	0.593
%RSD		0.660	1.013	0.996	1.613	2.399	45.970	0.544	2.455	42.980
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:19:32	3.415	1.991	2.245	1.929	2.046	0.009	91%	184.900	163.500
2	02:20:40	3.375	1.908	2.173	2.039	1.998	0.004	92%	181.800	161.100
3	02:21:48	3.218	1.977	2.107	2.173	1.998	0.008	91%	181.000	162.400
x		3.336	1.959	2.175	2.047	2.014	0.007	91%	182.600	162.400
σ		0.104	0.044	0.069	0.122	0.028	0.003	1%	2.073	1.219
%RSD		3.117	2.253	3.178	5.971	1.367	37.980	1	1.135	0.751
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:19:32	2.635	184.600	163.700	184.200	0.657	359.200	7168.000	7039.000	97%
2	02:20:40	1.875	181.500	160.000	179.200	0.655	355.600	6999.000	6925.000	98%
3	02:21:48	4.884	180.700	162.500	182.500	0.654	359.900	7203.000	7038.000	96%
x		3.132	182.300	162.100	182.000	0.655	358.200	7123.000	7001.000	97%
σ		1.565	2.045	1.849	2.530	0.001	2.317	109.200	65.240	1%
%RSD		49.970	1.122	1.141	1.390	0.207	0.647	1.533	0.932	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	02:19:32	97%	175.900	176.600	79.810	72.550	75.340	98%	0.502	
2	02:20:40	99%	175.300	176.100	79.570	72.560	75.670	98%	0.473	
3	02:21:48	98%	177.500	179.700	80.920	73.550	76.420	97%	0.506	
x		98%	176.200	177.400	80.100	72.890	75.810	98%	0.493	
σ		1%	1.110	1.940	0.722	0.576	0.556	0%	0.018	
%RSD		1	0.630	1.093	0.901	0.790	0.733	0	3.632	

Reviewed By jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4482-05X10 MB9TC2S 11/19/2011 02:26:18 AM

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	02:27:26	96%	18.590	14.150	0.000	6916.000	2410.000	2327.000	2358.000	770.800
2	02:28:34	97%	17.990	14.330	0.000	6851.000	2401.000	2308.000	2348.000	763.600
3	02:29:42	97%	18.680	13.720	0.000	6937.000	2422.000	2331.000	2342.000	770.700
x		97%	18.420	14.070	0.000	6901.000	2411.000	2322.000	2349.000	768.400
σ		0%	0.376	0.315	0.000	44.760	10.660	12.500	7.847	4.155
%RSD		0	2.040	2.236	0.000	0.649	0.442	0.538	0.334	0.541

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:26	990.400	22.040	0.000	0.000	901.000	7011.000	6786.000	95%	0.228
2	02:28:34	971.500	22.780	0.000	0.000	894.300	6842.000	6748.000	96%	0.199
3	02:29:42	986.000	24.280	0.000	0.000	901.700	6977.000	6845.000	96%	0.159
x		982.600	23.030	0.000	0.000	899.000	6943.000	6793.000	96%	0.195
σ		9.882	1.142	0.000	0.000	4.081	89.170	48.920	1%	0.035
%RSD		1.006	4.958	0.000	0.000	0.454	1.284	0.720	1	17.810

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:26	180.300	74.520	14.160	444.900	201.000	451.600	450.500	182.700	185.300
2	02:28:34	178.800	74.280	12.690	441.800	199.300	449.600	448.700	183.300	185.300
3	02:29:42	179.100	74.090	12.980	439.300	199.400	456.500	450.200	182.300	183.300
x		179.400	74.290	13.280	442.000	199.900	452.600	449.800	182.800	184.600
σ		0.800	0.216	0.782	2.774	0.915	3.598	0.973	0.493	1.113
%RSD		0.446	0.290	5.888	0.628	0.458	0.795	0.216	0.270	0.603

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:26	95.180	93.790	188.900	15.660	36.570	0.127	38.160	36.480	1.052
2	02:28:34	94.760	93.830	188.600	15.120	35.700	0.151	37.480	35.640	1.255
3	02:29:42	94.680	94.000	189.300	15.260	35.780	0.129	36.110	35.690	0.951
x		94.870	93.870	188.900	15.340	36.020	0.135	37.250	35.940	1.086
σ		0.266	0.112	0.328	0.280	0.481	0.013	1.042	0.472	0.154
%RSD		0.281	0.120	0.174	1.824	1.335	9.920	2.797	1.315	14.220

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:26	0.327	0.260	0.239	0.246	0.248	-0.001	95%	17.800	17.100
2	02:28:34	0.397	0.266	0.241	0.242	0.249	-0.000	95%	19.340	17.060
3	02:29:42	0.373	0.250	0.241	0.220	0.247	0.001	96%	18.510	17.100
x		0.366	0.259	0.240	0.236	0.248	0.000	95%	18.550	17.090
σ		0.036	0.008	0.001	0.014	0.001	0.001	1%	0.768	0.023
%RSD		9.720	3.125	0.566	5.937	0.420	2817.000	1	4.139	0.134

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:26	1.045	17.780	17.320	18.970	0.121	36.980	733.100	750.000	98%
2	02:28:34	0.537	19.320	17.060	19.110	0.115	37.130	739.500	750.800	99%
3	02:29:42	0.795	18.510	17.140	18.880	0.122	37.130	736.000	752.900	98%
x		0.793	18.540	17.170	18.990	0.119	37.080	736.200	751.200	98%
σ		0.254	0.767	0.135	0.114	0.004	0.089	3.186	1.502	0%
%RSD		32.050	4.140	0.785	0.600	3.242	0.239	0.433	0.200	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:27:26	100%	18.530	18.430	8.349	7.623	7.899	100%	0.058
2	02:28:34	99%	18.570	18.460	8.182	7.669	7.897	100%	0.060
3	02:29:42	99%	18.460	18.450	8.245	7.627	7.899	100%	0.060
x		99%	18.520	18.450	8.258	7.640	7.898	100%	0.060
σ		1%	0.054	0.016	0.084	0.025	0.001	0%	0.001
%RSD		1	0.292	0.089	1.020	0.331	0.015	0	2.135

C4482-06 MB9TF0 11/19/2011 02:34:12 AM

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	02:35:20	101%	0.135	132.600	0.000	59080.000	21200.000	21390.000	21400.000	57.660
2	02:36:28	101%	0.108	121.800	0.000	59450.000	21580.000	21670.000	21520.000	57.380
3	02:37:36	102%	0.166	126.200	0.000	59080.000	21440.000	21370.000	21450.000	57.030
x		101%	0.136	126.900	0.000	59200.000	21410.000	21480.000	21450.000	57.360
σ		1%	0.029	5.433	0.000	214.900	190.800	168.900	60.820	0.313
%RSD		1	21.170	4.282	0.000	0.363	0.891	0.786	0.283	0.545
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:35:20	8336.000	142.700	0.000	0.000	7672.000	61380.000	62070.000	100%	2.060
2	02:36:28	8386.000	146.500	0.000	0.000	7735.000	62100.000	62870.000	100%	1.798
3	02:37:36	8303.000	142.900	0.000	0.000	7650.000	61790.000	62560.000	100%	1.698
x		8342.000	144.000	0.000	0.000	7685.000	61760.000	62500.000	100%	1.852
σ		41.370	2.150	0.000	0.000	44.200	359.200	399.900	0%	0.187
%RSD		0.496	1.492	0.000	0.000	0.575	0.582	0.640	0	10.100
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:35:20	1.842	8.653	7.400	492.000	230.100	490.800	553.000	0.801	8.474
2	02:36:28	1.928	8.809	6.982	486.100	232.500	495.800	557.800	0.843	8.606
3	02:37:36	1.857	8.622	6.610	488.000	233.300	499.100	565.700	0.804	8.767
x		1.876	8.695	6.997	488.700	232.000	495.200	558.800	0.816	8.615
σ		0.046	0.100	0.395	3.008	1.656	4.169	6.415	0.023	0.147
%RSD		2.444	1.154	5.643	0.616	0.714	0.842	1.148	2.861	1.703
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:35:20	8.669	8.591	31.750	1.613	0.650	0.101	1.092	0.650	1.819
2	02:36:28	8.530	8.344	31.990	1.642	0.829	0.099	1.193	0.828	-0.259
3	02:37:36	8.676	8.474	31.790	1.582	0.951	0.096	1.340	0.951	1.107
x		8.625	8.470	31.840	1.612	0.810	0.099	1.208	0.810	0.889
σ		0.083	0.124	0.126	0.030	0.152	0.003	0.125	0.152	1.056
%RSD		0.958	1.458	0.396	1.856	18.710	2.556	10.310	18.700	118.800
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:35:20	2.737	1.548	1.612	1.600	1.559	-0.000	97%	0.105	0.022
2	02:36:28	2.576	1.493	1.614	1.548	1.483	0.000	98%	0.177	0.024
3	02:37:36	2.644	1.520	1.531	1.634	1.539	-0.000	97%	-0.229	0.020
x		2.652	1.520	1.586	1.594	1.527	0.000	98%	0.018	0.022
σ		0.081	0.028	0.047	0.043	0.039	0.000	1%	0.217	0.002
%RSD		3.042	1.810	2.984	2.728	2.562	2219.000	1	1214.000	8.319
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:35:20	0.109	0.099	0.024	0.081	0.351	0.889	109.400	110.000	100%
2	02:36:28	0.041	0.173	0.022	0.113	0.351	0.844	108.800	110.500	100%
3	02:37:36	0.328	-0.235	0.022	0.048	0.350	0.862	108.700	111.400	100%
x		0.159	0.012	0.023	0.081	0.351	0.865	109.000	110.600	100%
σ		0.150	0.218	0.001	0.033	0.000	0.022	0.417	0.695	0%
%RSD		94.220	1760.000	5.301	40.350	0.130	2.600	0.383	0.628	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	02:35:20	100%	0.143	0.133	8.291	8.030	8.185	99%	0.438	
2	02:36:28	101%	0.137	0.127	8.337	8.281	8.303	99%	0.438	
3	02:37:36	101%	0.129	0.132	8.449	8.150	8.255	99%	0.442	
x		101%	0.137	0.131	8.359	8.153	8.248	99%	0.440	
σ		0%	0.007	0.004	0.081	0.126	0.059	0%	0.003	
%RSD		0	5.097	2.708	0.972	1.542	0.719	0	0.575	

Reviewed By:jaswal
On:11/21/2011
12:36:57 PM
Inst Id:P6

C4482-07 MB9TF2 11/19/2011 02:42:06 AM

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	02:43:14	102%	0.156	115.800	0.000	58830.000	20610.000	20600.000	20560.000	43.280
2	02:44:22	104%	0.081	108.800	0.000	57900.000	20130.000	20250.000	20240.000	42.280
3	02:45:30	101%	0.185	114.900	0.000	60080.000	20990.000	21020.000	20800.000	44.370
x		102%	0.141	113.200	0.000	58930.000	20580.000	20620.000	20530.000	43.310
σ		1%	0.054	3.804	0.000	1092.000	430.400	388.300	280.000	1.042
%RSD		1	38.030	3.362	0.000	1.853	2.092	1.883	1.363	2.407
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:43:14	8268.000	183.900	0.000	0.000	7324.000	59830.000	60090.000	102%	1.475
2	02:44:22	8108.000	182.500	0.000	0.000	7277.000	59080.000	59800.000	101%	1.542
3	02:45:30	8428.000	186.500	0.000	0.000	7561.000	61230.000	61720.000	100%	1.503
x		8268.000	184.300	0.000	0.000	7387.000	60050.000	60530.000	101%	1.507
σ		159.900	2.023	0.000	0.000	152.200	1088.000	1034.000	1%	0.034
%RSD		1.934	1.097	0.000	0.000	2.060	1.812	1.708	1	2.250
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:43:14	1.816	5.968	5.449	510.500	142.900	512.600	571.800	0.546	5.947
2	02:44:22	1.846	5.896	5.285	503.400	141.200	511.800	568.300	0.469	5.741
3	02:45:30	1.971	6.150	5.228	523.600	146.100	528.300	600.500	0.538	5.975
x		1.878	6.005	5.321	512.500	143.400	517.600	580.200	0.518	5.888
σ		0.082	0.131	0.115	10.260	2.529	9.317	17.650	0.043	0.128
%RSD		4.390	2.176	2.154	2.002	1.764	1.800	3.042	8.239	2.167
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:43:14	6.772	6.643	29.470	1.595	0.544	0.087	1.628	0.545	1.768
2	02:44:22	6.669	6.447	28.140	1.593	0.970	0.078	1.291	0.970	1.670
3	02:45:30	6.971	6.730	29.760	1.708	0.947	0.067	2.033	0.947	0.835
x		6.804	6.607	29.120	1.632	0.820	0.077	1.651	0.821	1.424
σ		0.154	0.145	0.862	0.066	0.240	0.010	0.372	0.239	0.513
%RSD		2.259	2.191	2.961	4.047	29.220	13.040	22.510	29.150	36.020
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:43:14	2.574	1.615	1.604	1.618	1.647	-0.000	98%	-0.006	0.020
2	02:44:22	2.644	1.643	1.648	1.670	1.589	0.002	99%	0.002	0.014
3	02:45:30	2.655	1.531	1.759	1.568	1.653	-0.001	97%	-0.262	0.017
x		2.624	1.596	1.670	1.619	1.630	0.000	98%	-0.089	0.017
σ		0.044	0.058	0.080	0.051	0.035	0.001	1%	0.150	0.003
%RSD		1.671	3.657	4.786	3.172	2.170	598.600	1	169.200	17.000
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:43:14	0.203	-0.012	0.015	0.025	0.349	0.666	97.370	98.560	101%
2	02:44:22	0.131	-0.004	0.015	0.046	0.315	0.657	95.790	96.930	102%
3	02:45:30	0.242	-0.268	0.016	0.041	0.381	0.660	99.250	99.890	100%
x		0.192	-0.095	0.016	0.037	0.348	0.661	97.470	98.460	101%
σ		0.056	0.150	0.001	0.011	0.033	0.005	1.732	1.482	1%
%RSD		29.410	158.400	4.122	29.240	9.408	0.698	1.777	1.505	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	02:43:14	101%	0.076	0.076	3.907	3.740	3.812	99%	0.444	
2	02:44:22	103%	0.071	0.065	3.786	3.613	3.705	102%	0.440	
3	02:45:30	101%	0.073	0.072	3.974	3.844	3.903	99%	0.452	
x		102%	0.073	0.071	3.889	3.733	3.806	100%	0.445	
σ		1%	0.003	0.006	0.095	0.116	0.099	2%	0.006	
%RSD		1	3.673	8.205	2.444	3.098	2.610	2	1.308	

Reviewed Electronically
on 11/21/2011
12:38:57 PM
last 3d +P6

C4482-08 MB9TG4 11/19/2011 02:50:00 AM

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	02:51:08	103%	-0.018	130.900	0.000	59920.000	21630.000	21860.000	21690.000	116.000
2	02:52:16	106%	-0.007	131.800	0.000	58670.000	21130.000	21190.000	21190.000	112.800
3	02:53:24	102%	0.058	129.100	0.000	60920.000	21930.000	22130.000	21990.000	117.500
x		104%	0.011	130.600	0.000	59840.000	21560.000	21730.000	21630.000	115.400
σ		2%	0.041	1.392	0.000	1125.000	402.400	485.600	406.500	2.389
%RSD		2	382.400	1.066	0.000	1.879	1.866	2.235	1.880	2.070
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:08	8411.000	155.200	0.000	0.000	7744.000	62910.000	63350.000	100%	3.459
2	02:52:16	8283.000	153.200	0.000	0.000	7533.000	61880.000	62410.000	102%	3.101
3	02:53:24	8544.000	157.700	0.000	0.000	7785.000	63700.000	63790.000	101%	3.346
x		8413.000	155.400	0.000	0.000	7687.000	62830.000	63180.000	101%	3.302
σ		130.600	2.248	0.000	0.000	134.900	911.500	704.800	1%	0.183
%RSD		1.552	1.447	0.000	0.000	1.755	1.451	1.116	1	5.544
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:08	1.893	3.907	4.830	765.400	240.800	758.900	823.200	0.838	6.556
2	02:52:16	1.867	3.878	4.798	747.200	238.500	744.100	797.100	0.774	6.220
3	02:53:24	1.885	3.963	5.016	766.500	243.600	765.600	837.100	0.804	6.492
x		1.882	3.916	4.881	759.700	241.000	756.200	819.200	0.805	6.423
σ		0.013	0.043	0.118	10.830	2.559	10.980	20.300	0.032	0.179
%RSD		0.701	1.100	2.413	1.426	1.062	1.452	2.478	3.980	2.781
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:08	7.572	7.274	23.300	1.706	0.752	0.062	1.643	0.752	1.465
2	02:52:16	7.230	7.156	22.210	1.861	1.305	0.040	1.293	1.305	0.342
3	02:53:24	7.486	7.223	22.650	1.727	0.868	0.076	1.525	0.869	1.481
x		7.429	7.218	22.720	1.765	0.975	0.059	1.487	0.975	1.096
σ		0.178	0.059	0.549	0.084	0.292	0.018	0.178	0.291	0.653
%RSD		2.397	0.816	2.418	4.774	29.920	30.420	11.990	29.860	59.580
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:08	2.843	1.591	1.601	1.573	1.479	0.001	98%	-0.595	0.016
2	02:52:16	2.895	1.531	1.583	1.475	1.482	0.000	99%	0.041	0.016
3	02:53:24	2.892	1.578	1.585	1.583	1.478	-0.000	97%	0.452	0.016
x		2.877	1.567	1.590	1.544	1.480	0.000	98%	-0.034	0.016
σ		0.029	0.031	0.010	0.059	0.002	0.001	1%	0.527	0.000
%RSD		1.005	1.987	0.641	3.839	0.129	146.300	1	1562.000	0.260
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:51:08	0.391	-0.600	0.016	-0.018	3.153	0.823	111.300	113.200	101%
2	02:52:16	0.156	0.035	0.009	0.023	3.078	0.824	106.300	109.700	103%
3	02:53:24	-0.081	0.445	0.014	0.091	3.271	0.864	111.800	113.000	101%
x		0.155	-0.040	0.013	0.032	3.167	0.837	109.800	112.000	101%
σ		0.236	0.527	0.004	0.055	0.097	0.023	3.024	2.000	1%
%RSD		152.100	1316.000	27.650	171.400	3.074	2.783	2.754	1.786	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	02:51:08	101%	0.053	0.059	5.203	5.035	5.159	100%	0.471	
2	02:52:16	103%	0.054	0.051	5.210	5.060	5.126	101%	0.461	
3	02:53:24	101%	0.057	0.054	5.380	5.020	5.245	100%	0.464	
x		102%	0.055	0.055	5.264	5.038	5.177	100%	0.465	
σ		1%	0.002	0.004	0.100	0.020	0.061	1%	0.005	
%RSD		1	3.658	7.016	1.898	0.400	1.183	1	1.092	

Reviewed By:aswal
On:11/21/2011
12:38:57 PM
Inst Id: P6

C4482-09 MB9TC0 11/19/2011 02:57:55 AM

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	02:59:03	102%	0.041	114.600	0.000	55490.000	19060.000	19050.000	19020.000	103.500
2	03:00:11	101%	0.047	126.300	0.000	55790.000	19140.000	19140.000	19110.000	104.400
3	03:01:19	102%	0.199	116.600	0.000	55870.000	19120.000	19130.000	19090.000	104.000
x		102%	0.096	119.200	0.000	55720.000	19110.000	19100.000	19070.000	104.000
σ		0%	0.090	6.262	0.000	200.700	44.170	50.140	47.580	0.444
%RSD		0	93.830	5.253	0.000	0.360	0.231	0.263	0.249	0.427
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:03	7867.000	197.200	0.000	0.000	6919.000	56460.000	57100.000	100%	4.976
2	03:00:11	7836.000	196.700	0.000	0.000	6925.000	56220.000	56510.000	99%	4.592
3	03:01:19	7976.000	201.900	0.000	0.000	6920.000	56360.000	57080.000	99%	4.817
x		7893.000	198.600	0.000	0.000	6922.000	56350.000	56900.000	99%	4.795
σ		73.730	2.840	0.000	0.000	3.292	122.200	330.300	0%	0.193
%RSD		0.934	1.430	0.000	0.000	0.048	0.217	0.581	0	4.019
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:03	2.082	1.600	4.402	1623.000	847.500	1591.000	1660.000	1.595	6.331
2	03:00:11	2.095	1.644	4.434	1625.000	848.600	1606.000	1662.000	1.601	6.361
3	03:01:19	2.031	1.655	4.617	1616.000	846.900	1609.000	1683.000	1.586	6.675
x		2.069	1.633	4.484	1621.000	847.700	1602.000	1668.000	1.594	6.456
σ		0.034	0.030	0.116	5.068	0.871	9.583	12.800	0.007	0.191
%RSD		1.648	1.813	2.591	0.313	0.103	0.598	0.767	0.461	2.952
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:03	7.601	7.584	27.630	2.164	0.717	0.061	1.492	0.718	1.434
2	03:00:11	7.502	7.619	27.800	2.152	0.751	0.067	2.051	0.751	1.762
3	03:01:19	7.486	7.371	27.280	2.320	0.813	0.045	1.861	0.812	1.482
x		7.530	7.525	27.570	2.212	0.760	0.057	1.801	0.760	1.559
σ		0.062	0.134	0.265	0.094	0.048	0.011	0.284	0.048	0.177
%RSD		0.828	1.785	0.960	4.241	6.372	19.860	15.800	6.294	11.380
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:03	2.447	1.431	1.413	1.346	1.296	0.000	96%	0.306	0.019
2	03:00:11	2.600	1.434	1.417	1.211	1.371	-0.001	97%	-0.035	0.008
3	03:01:19	2.491	1.330	1.417	1.286	1.366	0.001	97%	-0.236	0.015
x		2.513	1.398	1.416	1.281	1.344	0.000	97%	0.011	0.014
σ		0.079	0.059	0.003	0.068	0.042	0.001	0%	0.274	0.005
%RSD		3.128	4.232	0.179	5.293	3.122	412.400	0	2385.000	39.610
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	02:59:03	0.055	0.297	0.014	0.103	0.339	0.736	98.290	100.800	101%
2	03:00:11	0.173	-0.041	0.016	0.057	0.349	0.707	98.760	100.900	100%
3	03:01:19	0.174	-0.242	0.012	0.082	0.324	0.744	97.880	99.820	101%
x		0.134	0.004	0.014	0.081	0.337	0.729	98.310	100.500	100%
σ		0.069	0.273	0.002	0.023	0.013	0.019	0.445	0.598	0%
%RSD		51.150	6113.000	15.000	28.160	3.852	2.632	0.453	0.595	0
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	02:59:03	102%	0.044	0.047	5.568	5.250	5.412	100%	0.431	
2	03:00:11	101%	0.050	0.044	5.603	5.288	5.462	100%	0.440	
3	03:01:19	101%	0.038	0.040	5.569	5.265	5.433	99%	0.446	
x		101%	0.044	0.044	5.580	5.268	5.436	100%	0.439	
σ		0%	0.006	0.004	0.020	0.019	0.025	0%	0.007	
%RSD		0	13.980	8.193	0.350	0.369	0.456	0	1.614	

Reviewed By jaswal
On 11/21/2011
12:38:57 PM
Inst Id: P6

C4481-03 MB9TC9 11/19/2011 03:05:51 AM

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	03:06:59	95%	1.174	283.600	0.000	47730.000	24630.000	24710.000	24450.000	4850.000
2	03:08:07	94%	1.447	279.700	0.000	47090.000	24260.000	24420.000	24250.000	4821.000
3	03:09:15	91%	1.305	284.900	0.000	47850.000	24670.000	24660.000	24540.000	4832.000
x		93%	1.309	282.700	0.000	47560.000	24520.000	24590.000	24410.000	4834.000
σ		2%	0.137	2.673	0.000	406.500	226.300	154.500	147.400	14.800
%RSD		2	10.430	0.945	0.000	0.855	0.923	0.628	0.604	0.306

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:06:59	20510.000	2500.000	0.000	0.000	11260.000	39890.000	40920.000	87%	86.910
2	03:08:07	20450.000	2471.000	0.000	0.000	11150.000	39630.000	40440.000	85%	86.330
3	03:09:15	20550.000	2458.000	0.000	0.000	11280.000	39960.000	40900.000	82%	86.870
x		20500.000	2477.000	0.000	0.000	11230.000	39820.000	40750.000	85%	86.700
σ		50.550	21.390	0.000	0.000	69.890	172.900	267.800	3%	0.321
%RSD		0.247	0.864	0.000	0.000	0.622	0.434	0.657	3	0.370

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:06:59	9.473	18.700	545.500	42420.000	333.900	42130.000	42700.000	11.520	51.120
2	03:08:07	8.173	18.620	680.300	42160.000	335.700	41960.000	41910.000	11.390	50.470
3	03:09:15	4.743	18.480	783.200	42270.000	337.100	42510.000	42550.000	11.390	50.970
x		7.463	18.600	669.700	42280.000	335.600	42200.000	42390.000	11.430	50.860
σ		2.444	0.114	119.200	131.200	1.565	281.800	420.700	0.075	0.340
%RSD		32.740	0.611	17.800	0.310	0.467	0.668	0.992	0.655	0.669

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:06:59	23.860	23.940	287.200	14.470	1.050	5.243	0.299	1.053	2.770
2	03:08:07	23.200	23.580	284.100	14.260	1.478	5.815	-0.191	1.481	0.583
3	03:09:15	23.550	23.210	288.800	13.860	1.085	6.117	-0.293	1.086	1.161
x		23.540	23.580	286.700	14.200	1.204	5.725	-0.062	1.207	1.505
σ		0.333	0.365	2.420	0.310	0.238	0.444	0.317	0.238	1.133
%RSD		1.415	1.550	0.844	2.183	19.740	7.752	512.000	19.720	75.320

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:06:59	2.737	0.736	0.982	0.769	0.793	0.002	83%	0.407	0.140
2	03:08:07	2.736	0.800	0.995	0.769	0.763	0.002	81%	0.436	0.138
3	03:09:15	2.719	0.824	0.872	0.804	0.857	0.001	79%	1.413	0.145
x		2.730	0.786	0.950	0.781	0.804	0.002	81%	0.752	0.141
σ		0.010	0.045	0.068	0.020	0.048	0.001	2%	0.573	0.004
%RSD		0.381	5.772	7.113	2.554	5.959	48.820	2	76.200	2.723

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:06:59	0.429	0.389	0.156	1.078	2.239	2.180	267.400	275.300	90%
2	03:08:07	0.513	0.413	0.135	1.038	2.173	2.164	263.900	271.100	90%
3	03:09:15	-0.049	1.387	0.132	1.013	2.155	2.153	267.200	270.300	88%
x		0.298	0.730	0.141	1.043	2.189	2.166	266.200	272.200	89%
σ		0.303	0.569	0.013	0.033	0.044	0.014	1.948	2.663	1%
%RSD		101.900	77.970	9.245	3.134	2.023	0.624	0.732	0.978	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:06:59	91%	0.180	0.187	65.940	59.260	62.330	92%	0.748
2	03:08:07	91%	0.178	0.162	65.060	59.490	62.060	92%	0.747
3	03:09:15	89%	0.139	0.136	66.120	60.320	62.870	91%	0.747
x		90%	0.166	0.162	65.710	59.690	62.420	92%	0.747
σ		1%	0.023	0.025	0.566	0.558	0.410	0%	0.001
%RSD		1	14.000	15.630	0.861	0.934	0.657	0	0.076

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4481-03X10 MB9TC9 11/19/2011 03:13:46 AM

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	03:14:54	79%	0.148	33.300	0.000	4343.000	2248.000	2162.000	2189.000	448.000
2	03:16:02	80%	0.147	32.140	0.000	4436.000	2303.000	2234.000	2245.000	459.700
3	03:17:10	80%	0.254	27.890	0.000	4429.000	2300.000	2238.000	2242.000	457.900
x̄		80%	0.183	31.110	0.000	4403.000	2283.000	2211.000	2225.000	455.200
σ		0%	0.061	2.846	0.000	51.990	30.800	42.930	31.310	6.281
%RSD		0	33.450	9.147	0.000	1.181	1.349	1.941	1.407	1.380

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:54	1911.000	225.800	0.000	0.000	1079.000	3667.000	3575.000	76%	7.936
2	03:16:02	1930.000	230.500	0.000	0.000	1114.000	3715.000	3661.000	75%	8.193
3	03:17:10	1933.000	226.700	0.000	0.000	1104.000	3746.000	3647.000	76%	8.131
x̄		1925.000	227.700	0.000	0.000	1099.000	3710.000	3628.000	76%	8.087
σ		12.040	2.494	0.000	0.000	17.840	39.840	46.370	1%	0.134
%RSD		0.626	1.095	0.000	0.000	1.623	1.074	1.278	1	1.656

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:54	1.056	2.004	112.600	3942.000	31.060	3900.000	3914.000	1.057	5.091
2	03:16:02	0.117	2.108	109.200	4091.000	32.020	4039.000	4033.000	1.132	4.902
3	03:17:10	1.170	1.966	102.000	4007.000	31.780	4009.000	4005.000	1.103	4.951
x̄		0.781	2.026	107.900	4013.000	31.620	3983.000	3984.000	1.097	4.981
σ		0.578	0.073	5.392	74.260	0.502	73.540	62.500	0.038	0.098
%RSD		73.970	3.624	4.996	1.850	1.587	1.846	1.569	3.460	1.975

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:54	2.206	2.158	26.700	0.605	-0.015	1.103	-1.503	-0.015	0.817
2	03:16:02	2.271	2.201	27.460	1.568	0.179	0.973	-0.897	0.178	0.576
3	03:17:10	2.258	2.166	26.790	1.046	0.008	0.979	-1.188	0.008	1.313
x̄		2.245	2.175	26.980	1.073	0.058	1.018	-1.196	0.057	0.902
σ		0.035	0.023	0.416	0.482	0.106	0.073	0.303	0.105	0.376
%RSD		1.546	1.053	1.542	44.940	184.000	7.199	25.370	185.800	41.670

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:54	0.208	0.099	0.114	0.084	0.089	-0.001	80%	-1.368	0.024
2	03:16:02	0.246	0.106	0.103	0.140	0.084	0.001	79%	-0.459	0.032
3	03:17:10	0.248	0.076	0.125	0.101	0.107	-0.001	79%	-0.963	0.020
x̄		0.234	0.094	0.114	0.108	0.093	-0.000	79%	-0.930	0.025
σ		0.023	0.016	0.011	0.028	0.012	0.001	1%	0.455	0.006
%RSD		9.779	16.850	9.782	26.320	13.130	300.400	1	48.940	24.980

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:54	0.764	-1.385	0.027	0.020	0.191	0.211	23.460	24.280	89%
2	03:16:02	0.301	-0.479	0.025	0.042	0.195	0.207	24.650	24.680	89%
3	03:17:10	0.515	-0.982	0.030	0.021	0.197	0.226	24.300	25.080	89%
x̄		0.527	-0.949	0.027	0.028	0.194	0.215	24.140	24.680	89%
σ		0.232	0.454	0.002	0.012	0.003	0.010	0.609	0.402	0%
%RSD		43.970	47.800	8.211	44.850	1.457	4.568	2.524	1.627	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:14:54	91%	0.031	0.036	5.860	5.268	5.567	96%	0.075
2	03:16:02	90%	0.038	0.037	6.085	5.448	5.680	95%	0.074
3	03:17:10	90%	0.029	0.027	6.033	5.389	5.705	95%	0.081
x̄		91%	0.032	0.033	5.993	5.368	5.651	95%	0.077
σ		1%	0.005	0.005	0.118	0.092	0.073	0%	0.004
%RSD		1	15.210	16.340	1.969	1.708	1.295	0	4.705

C4482-01X20 MB9TA8 11/19/2011 03:21:42 AM

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	03:22:50	82%	-0.011	11.190	0.000	2987.000	1786.000	1713.000	1736.000	10.790
2	03:23:58	80%	0.164	12.680	0.000	3011.000	1802.000	1738.000	1752.000	11.650
3	03:25:06	82%	0.147	11.800	0.000	3004.000	1791.000	1729.000	1748.000	11.310
x		81%	0.100	11.890	0.000	3001.000	1793.000	1727.000	1745.000	11.250
σ		1%	0.097	0.749	0.000	11.900	7.781	12.920	8.199	0.430
%RSD		1	96.740	6.302	0.000	0.397	0.434	0.748	0.470	3.825
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:22:50	951.600	13.650	0.000	0.000	640.200	2102.000	2046.000	77%	0.013
2	03:23:58	964.200	16.310	0.000	0.000	645.300	2097.000	2047.000	78%	0.054
3	03:25:06	959.400	14.010	0.000	0.000	642.200	2009.000	2039.000	79%	-0.068
x		958.400	14.660	0.000	0.000	642.600	2069.000	2044.000	78%	-0.000
σ		6.329	1.440	0.000	0.000	2.590	52.090	3.993	1%	0.062
%RSD		0.660	9.823	0.000	0.000	0.403	2.518	0.195	1	38320.000
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:22:50	-0.175	0.267	39.120	2585.000	56.480	2567.000	2563.000	0.573	0.819
2	03:23:58	-0.287	0.219	35.810	2561.000	56.250	2560.000	2561.000	0.603	0.873
3	03:25:06	-0.783	0.247	33.910	2574.000	56.480	2554.000	2543.000	0.610	0.784
x		-0.415	0.244	36.280	2573.000	56.400	2560.000	2556.000	0.595	0.825
σ		0.323	0.024	2.637	11.830	0.133	6.391	10.790	0.020	0.045
%RSD		77.970	9.911	7.268	0.460	0.235	0.250	0.422	3.315	5.463
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:22:50	0.157	0.133	1.740	0.235	-0.006	0.435	-1.117	-0.006	1.088
2	03:23:58	0.182	0.188	1.832	0.617	0.048	0.359	-0.727	0.047	1.140
3	03:25:06	0.178	0.138	1.836	0.386	0.112	0.374	-0.958	0.111	-0.155
x		0.172	0.153	1.803	0.412	0.051	0.389	-0.934	0.050	0.691
σ		0.013	0.030	0.054	0.192	0.059	0.040	0.196	0.059	0.733
%RSD		7.612	19.780	3.005	46.610	114.500	10.320	21.020	115.900	106.000
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:22:50	0.058	0.032	0.011	0.016	0.005	-0.000	81%	-0.495	0.007
2	03:23:58	0.070	0.006	0.001	0.007	0.009	-0.000	81%	-0.399	0.011
3	03:25:06	0.054	0.004	0.007	0.005	0.001	0.001	82%	-0.104	0.022
x		0.061	0.014	0.006	0.009	0.005	0.000	81%	-0.333	0.013
σ		0.008	0.015	0.005	0.006	0.004	0.000	1%	0.204	0.007
%RSD		13.650	108.900	72.920	65.710	75.510	228.200	1	61.260	54.560
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:22:50	0.221	-0.515	0.012	-0.035	0.018	0.103	11.400	11.550	90%
2	03:23:58	0.178	-0.419	0.010	-0.016	0.018	0.087	11.320	11.620	91%
3	03:25:06	0.044	-0.124	0.017	-0.001	0.011	0.089	11.400	11.740	91%
x		0.148	-0.353	0.013	-0.017	0.016	0.093	11.370	11.630	91%
σ		0.092	0.204	0.004	0.017	0.004	0.008	0.044	0.095	0%
%RSD		62.650	57.850	28.110	99.100	25.060	9.102	0.388	0.816	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	03:22:50	92%	0.013	0.008	0.154	0.137	0.152	96%	0.004	
2	03:23:58	92%	0.009	0.014	0.179	0.152	0.169	96%	0.004	
3	03:25:06	92%	0.011	0.011	0.156	0.163	0.164	97%	0.005	
x		92%	0.011	0.011	0.163	0.151	0.162	96%	0.004	
σ		0%	0.002	0.003	0.014	0.013	0.009	1%	0.001	
%RSD		0	16.780	28.090	8.331	8.638	5.487	1	12.610	

Reviewed By:Jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

CCV60 11/19/2011 03:29:37 AM

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	03:30:45	85%	480.900	502.100	0.000	49900.000	50430.000	50320.000	50230.000	9935.000
2	03:31:53	84%	493.000	500.600	0.000	50610.000	51290.000	51040.000	51100.000	10150.000
3	03:33:02	85%	484.200	482.000	0.000	50020.000	50910.000	50740.000	50680.000	10010.000
x		85%	486.000	494.900	0.000	50180.000	50880.000	50700.000	50670.000	10030.000
σ		1%	6.280	11.200	0.000	378.000	431.700	361.200	437.000	110.800
%RSD		1	1.292	2.264	0.000	0.753	0.849	0.712	0.862	1.105
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:30:45	488.600	9439.000	0.000	0.000	24780.000	50050.000	51170.000	82%	493.800
2	03:31:53	495.000	9432.000	0.000	0.000	24970.000	50580.000	51460.000	82%	493.100
3	03:33:02	491.500	9416.000	0.000	0.000	24790.000	50350.000	51580.000	82%	495.300
x		491.700	9429.000	0.000	0.000	24840.000	50330.000	51400.000	82%	494.100
σ		3.219	11.420	0.000	0.000	105.900	265.200	211.000	0%	1.166
%RSD		0.655	0.121	0.000	0.000	0.426	0.527	0.410	0	0.236
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:30:45	492.200	492.400	21.300	25620.000	1035.000	25470.000	25520.000	489.700	482.500
2	03:31:53	493.600	496.700	16.780	25460.000	1037.000	25490.000	25780.000	493.000	484.200
3	03:33:02	491.000	497.900	12.970	25380.000	1031.000	25570.000	25550.000	489.500	485.800
x		492.300	495.700	17.010	25490.000	1034.000	25510.000	25620.000	490.700	484.200
σ		1.298	2.883	4.171	126.100	2.955	54.080	141.700	1.971	1.634
%RSD		0.264	0.582	24.510	0.495	0.286	0.212	0.553	0.402	0.338
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:30:45	978.100	975.900	1005.000	489.400	501.300	-0.238	495.600	499.700	2.069
2	03:31:53	982.200	971.600	1015.000	492.800	502.300	-0.196	499.200	500.500	0.387
3	03:33:02	980.800	977.000	1014.000	486.200	496.300	-0.184	495.500	494.500	1.101
x		980.400	974.800	1011.000	489.400	500.000	-0.206	496.800	498.200	1.186
σ		2.067	2.866	5.207	3.306	3.225	0.029	2.123	3.262	0.845
%RSD		0.211	0.294	0.515	0.675	0.645	13.890	0.427	0.655	71.220
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:30:45	500.300	497.300	495.300	500.500	502.500	0.001	82%	513.100	529.800
2	03:31:53	501.200	501.200	498.900	502.300	505.100	0.001	83%	517.500	528.500
3	03:33:02	497.800	498.600	496.100	498.400	499.800	0.003	83%	521.300	525.800
x		499.800	499.000	496.800	500.400	502.500	0.001	83%	517.300	528.000
σ		1.790	1.960	1.871	1.972	2.651	0.001	0%	4.118	2.025
%RSD		0.358	0.393	0.377	0.394	0.528	90.580	1	0.796	0.384
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:30:45	11.760	511.300	528.200	516.900	512.400	511.800	2461.000	2503.000	92%
2	03:31:53	6.138	515.900	528.300	517.600	512.400	513.000	2469.000	2503.000	92%
3	03:33:02	3.333	519.600	525.400	513.900	512.400	510.000	2464.000	2509.000	93%
x		7.079	515.600	527.300	516.100	512.400	511.600	2465.000	2505.000	93%
σ		4.293	4.145	1.645	1.972	0.013	1.514	4.485	3.187	0%
%RSD		60.650	0.804	0.312	0.382	0.003	0.296	0.182	0.127	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	03:30:45	94%	499.700	503.700	500.600	500.700	505.300	95%	516.600	
2	03:31:53	93%	497.300	507.400	500.500	497.100	503.700	96%	518.900	
3	03:33:02	95%	505.200	508.500	502.900	504.700	505.500	95%	519.500	
x		94%	500.700	506.500	501.300	500.900	504.800	95%	518.400	
σ		1%	4.056	2.544	1.348	3.787	0.987	0%	1.518	
%RSD		1	0.810	0.502	0.269	0.756	0.196	0	0.293	

Reviewed By jaswal
on 11/21/2011
12:38:57 PM
Instrd :P6

CCB60 11/19/2011 03:37:31 AM

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	03:38:39	87%	0.207	6.355	0.000	5.765	4.101	4.249	3.777	4.865
2	03:39:48	88%	0.086	7.816	0.000	3.010	3.136	2.519	3.329	4.459
3	03:40:56	88%	0.110	5.581	0.000	1.453	1.882	1.292	2.108	3.741
x		88%	0.134	6.584	0.000	3.409	3.040	2.687	3.071	4.355
σ		1%	0.064	1.135	0.000	2.184	1.113	1.486	0.864	0.569
%RSD		1	47.670	17.240	0.000	64.050	36.610	55.290	28.130	13.060

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:39	1.013	6.452	0.000	0.000	45.750	4.007	10.710	83%	-0.032
2	03:39:48	0.760	7.487	0.000	0.000	41.030	4.769	10.840	84%	0.199
3	03:40:56	-0.340	5.332	0.000	0.000	38.630	5.092	9.658	84%	-0.068
x		0.478	6.423	0.000	0.000	41.800	4.623	10.400	84%	0.033
σ		0.719	1.078	0.000	0.000	3.625	0.557	0.646	1%	0.145
%RSD		150.500	16.780	0.000	0.000	8.672	12.050	6.212	1	439.300

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:39	-0.299	0.041	12.360	-0.836	0.165	-7.984	3.757	0.040	0.082
2	03:39:48	-0.170	0.011	12.220	-1.092	0.127	-9.102	3.170	0.021	0.080
3	03:40:56	-0.120	0.018	12.130	-2.966	0.112	-9.953	3.463	0.013	0.048
x		-0.197	0.024	12.240	-1.632	0.135	-9.013	3.463	0.025	0.070
σ		0.092	0.016	0.115	1.163	0.028	0.988	0.294	0.014	0.019
%RSD		46.860	66.840	0.940	71.270	20.570	10.960	8.482	57.190	26.800

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:39	0.104	0.092	0.543	-0.043	-0.408	0.167	-0.069	-0.406	1.882
2	03:39:48	0.103	0.091	0.452	-0.044	-0.089	0.152	-0.710	-0.089	1.064
3	03:40:56	0.077	0.067	0.368	-0.001	-0.099	0.160	-0.115	-0.099	0.551
x		0.095	0.083	0.454	-0.029	-0.199	0.160	-0.298	-0.198	1.166
σ		0.015	0.014	0.088	0.025	0.181	0.008	0.358	0.180	0.672
%RSD		16.160	16.930	19.320	85.060	91.250	4.735	120.000	91.030	57.610

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:39	0.317	0.254	0.246	0.263	0.251	-0.001	86%	-0.856	0.033
2	03:39:48	0.189	0.155	0.160	0.150	0.170	0.001	87%	-0.188	0.018
3	03:40:56	0.132	0.141	0.133	0.126	0.121	-0.000	87%	-0.097	0.018
x		0.213	0.184	0.179	0.180	0.181	0.000	87%	-0.380	0.023
σ		0.095	0.062	0.059	0.073	0.066	0.001	0%	0.415	0.009
%RSD		44.640	33.580	32.900	40.780	36.370	870.200	0	109.000	38.260

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:39	0.418	-0.869	0.033	-0.041	0.484	0.910	0.163	0.153	93%
2	03:39:48	0.117	-0.203	0.020	-0.003	0.371	0.655	0.106	0.127	94%
3	03:40:56	0.050	-0.111	0.010	0.000	0.314	0.508	0.045	0.058	94%
x		0.195	-0.395	0.021	-0.015	0.390	0.691	0.105	0.113	94%
σ		0.196	0.414	0.011	0.023	0.087	0.204	0.059	0.049	0%
%RSD		100.700	104.900	52.770	159.800	22.290	29.480	56.500	43.270	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:38:39	95%	0.083	0.093	0.051	0.039	0.041	98%	0.053
2	03:39:48	95%	0.069	0.064	0.033	0.038	0.033	98%	0.037
3	03:40:56	95%	0.061	0.057	0.018	0.013	0.018	98%	0.023
x		95%	0.071	0.071	0.034	0.030	0.031	98%	0.038
σ		0%	0.011	0.019	0.017	0.015	0.012	0%	0.015
%RSD		0	15.390	26.760	49.890	48.490	37.520	0	38.670

C4481-04 MB9TA2 11/19/2011 03:45:25 AM

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	03:46:33	87%	0.048	16.700	0.000	634.200	86.270	82.280	81.160	18.210
2	03:47:41	87%	0.067	14.570	0.000	634.700	85.070	83.310	84.190	18.510
3	03:48:49	87%	0.014	16.120	0.000	641.200	86.140	80.220	82.560	18.810
x		87%	0.043	15.790	0.000	636.700	85.830	81.930	82.640	18.510
σ		0%	0.027	1.102	0.000	3.873	0.659	1.573	1.513	0.301
%RSD		0	61.830	6.978	0.000	0.608	0.768	1.919	1.830	1.625
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:33	45.650	13.830	0.000	0.000	148.000	822.700	859.100	79%	0.627
2	03:47:41	44.490	13.790	0.000	0.000	142.900	856.200	867.100	79%	0.900
3	03:48:49	46.240	14.210	0.000	0.000	143.600	851.700	867.400	78%	0.650
x		45.460	13.940	0.000	0.000	144.800	843.500	864.500	79%	0.726
σ		0.890	0.232	0.000	0.000	2.772	18.190	4.733	1%	0.152
%RSD		1.957	1.660	0.000	0.000	1.914	2.156	0.547	1	20.890
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:33	-6.260	2.381	407.800	58.180	1.634	34.830	37.060	0.033	0.843
2	03:47:41	-6.824	2.569	473.400	59.830	1.606	33.730	37.260	0.037	0.809
3	03:48:49	-7.132	2.679	519.400	61.490	1.736	33.750	36.170	0.049	0.820
x		-6.739	2.543	466.900	59.830	1.658	34.110	36.830	0.040	0.824
σ		0.442	0.150	56.080	1.654	0.069	0.631	0.579	0.009	0.018
%RSD		6.564	5.916	12.010	2.765	4.137	1.849	1.573	21.500	2.134
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:33	1.743	1.739	10.790	-0.902	0.168	3.909	-0.826	0.167	-0.161
2	03:47:41	1.662	1.849	10.790	0.378	0.061	4.293	-1.454	0.060	0.954
3	03:48:49	1.683	1.617	10.910	-0.612	-0.217	4.812	-1.871	-0.216	2.136
x		1.696	1.735	10.830	-0.379	0.004	4.338	-1.384	0.004	0.977
σ		0.042	0.116	0.070	0.671	0.199	0.453	0.526	0.198	1.149
%RSD		2.460	6.695	0.642	177.200	5262.000	10.440	38.010	5630.000	117.600
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:33	0.252	0.135	0.100	0.131	0.089	-0.000	81%	-0.502	0.054
2	03:47:41	0.256	0.070	0.093	0.084	0.081	0.003	80%	-1.055	0.056
3	03:48:49	0.248	0.067	0.100	0.109	0.072	-0.000	78%	-1.091	0.047
x		0.252	0.091	0.098	0.108	0.081	0.001	79%	-0.883	0.052
σ		0.004	0.038	0.004	0.024	0.008	0.002	1%	0.330	0.005
%RSD		1.667	42.330	4.154	21.890	10.400	181.300	2	37.380	9.383
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:46:33	0.304	-0.520	0.057	0.028	0.941	0.574	1.974	1.903	89%
2	03:47:41	0.487	-1.071	0.059	-0.016	0.796	0.440	1.844	1.975	88%
3	03:48:49	0.531	-1.107	0.049	0.005	0.680	0.325	2.114	2.004	86%
x		0.441	-0.900	0.055	0.006	0.806	0.446	1.977	1.961	88%
σ		0.121	0.329	0.005	0.022	0.131	0.125	0.135	0.052	2%
%RSD		27.320	36.570	9.834	396.800	16.250	27.940	6.844	2.670	2
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	03:46:33	90%	0.393	0.384	1.179	1.153	1.164	94%	0.035	
2	03:47:41	89%	0.270	0.257	1.173	1.138	1.156	94%	0.034	
3	03:48:49	88%	0.208	0.202	1.131	1.133	1.148	93%	0.033	
x		89%	0.290	0.281	1.161	1.141	1.156	94%	0.034	
σ		1%	0.094	0.094	0.026	0.011	0.008	1%	0.001	
%RSD		1	32.340	33.320	2.259	0.927	0.661	1	3.005	

Reviewed By:jaswal
Dt:11/21/2011
12:38:57 PM
Inst Id :P6

C4481-05 MB9TC1 11/19/2011 03:53:19 AM

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	03:54:27	85%	0.203	93.150	0.000	58450.000	20330.000	20310.000	20170.000	230.100
2	03:55:35	84%	0.111	99.370	0.000	60040.000	20890.000	20960.000	20680.000	238.700
3	03:56:43	84%	0.098	102.600	0.000	59390.000	20660.000	20600.000	20380.000	234.700
x		85%	0.138	98.380	0.000	59290.000	20630.000	20620.000	20410.000	234.500
σ		1%	0.057	4.809	0.000	801.100	283.300	329.500	252.700	4.275
%RSD		1	41.730	4.888	0.000	1.351	1.374	1.598	1.238	1.823

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:27	8008.000	245.500	0.000	0.000	7261.000	59740.000	61270.000	77%	8.141
2	03:55:35	8168.000	249.300	0.000	0.000	7324.000	60140.000	61360.000	76%	8.683
3	03:56:43	8126.000	246.300	0.000	0.000	7230.000	59260.000	61210.000	76%	8.157
x		8101.000	247.000	0.000	0.000	7272.000	59710.000	61280.000	77%	8.327
σ		83.210	2.039	0.000	0.000	48.270	445.000	73.140	1%	0.308
%RSD		1.027	0.825	0.000	0.000	0.664	0.745	0.119	1	3.700

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:27	-2.232	5.408	469.200	1392.000	169.000	1372.000	1420.000	0.798	5.724
2	03:55:35	-3.939	5.709	524.700	1408.000	171.300	1385.000	1418.000	0.814	5.707
3	03:56:43	-4.583	5.716	555.200	1391.000	168.100	1373.000	1420.000	0.831	5.573
x		-3.584	5.611	516.400	1397.000	169.500	1377.000	1419.000	0.814	5.668
σ		1.215	0.175	43.570	9.585	1.625	7.461	1.358	0.017	0.083
%RSD		33.890	3.128	8.438	0.686	0.959	0.542	0.096	2.036	1.464

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:27	8.166	8.018	32.970	2.117	0.123	4.231	-1.464	0.123	1.969
2	03:55:35	8.228	8.170	33.400	2.252	0.546	4.806	0.006	0.545	1.880
3	03:56:43	8.144	8.117	33.250	1.855	0.851	5.110	-0.956	0.850	0.544
x		8.179	8.101	33.210	2.074	0.507	4.716	-0.805	0.506	1.464
σ		0.043	0.077	0.221	0.202	0.365	0.446	0.747	0.365	0.798
%RSD		0.529	0.950	0.665	9.728	72.120	9.463	92.760	72.130	54.500

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:27	2.249	1.459	1.549	1.591	1.545	0.002	77%	-0.690	0.042
2	03:55:35	2.270	1.535	1.538	1.595	1.541	0.002	75%	-1.048	0.053
3	03:56:43	2.057	1.492	1.695	1.454	1.512	0.001	75%	-1.729	0.040
x		2.192	1.495	1.594	1.547	1.533	0.001	76%	-1.156	0.045
σ		0.117	0.038	0.088	0.080	0.018	0.000	1%	0.528	0.007
%RSD		5.348	2.573	5.515	5.204	1.164	33.780	1	45.650	14.900

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:27	0.452	-0.712	0.038	0.095	0.748	0.841	98.580	100.100	87%
2	03:55:35	0.604	-1.072	0.045	0.103	0.836	0.879	99.070	100.400	88%
3	03:56:43	0.982	-1.748	0.042	0.049	0.751	0.827	98.850	100.400	86%
x		0.679	-1.177	0.042	0.082	0.778	0.849	98.840	100.300	87%
σ		0.273	0.526	0.004	0.029	0.050	0.027	0.243	0.154	1%
%RSD		40.260	44.690	8.496	35.340	6.390	3.184	0.246	0.154	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	03:54:27	89%	0.107	0.112	8.635	8.035	8.301	92%	0.530
2	03:55:35	88%	0.107	0.094	8.730	8.052	8.294	92%	0.529
3	03:56:43	88%	0.076	0.087	8.721	8.048	8.370	91%	0.521
x		89%	0.097	0.098	8.695	8.045	8.322	92%	0.527
σ		1%	0.018	0.013	0.052	0.008	0.042	1%	0.005
%RSD		1	18.330	13.290	0.602	0.105	0.502	1	0.875

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst id :P6

C4481-06 MB9TC1D 11/19/2011 04:01:13 AM

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	04:02:21	84%	0.119	95.500	0.000	59000.000	20610.000	20450.000	20400.000	232.600
2	04:03:30	83%	0.129	103.600	0.000	60110.000	21060.000	20990.000	20800.000	237.200
3	04:04:38	84%	0.103	100.200	0.000	59850.000	20850.000	20790.000	20700.000	236.100
x		84%	0.117	99.760	0.000	59650.000	20840.000	20740.000	20630.000	235.300
σ		0%	0.013	4.058	0.000	578.100	229.800	275.200	208.700	2.400
%RSD		0	11.230	4.068	0.000	0.969	1.103	1.327	1.011	1.020

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:02:21	8038.000	239.600	0.000	0.000	7131.000	58850.000	59960.000	76%	8.698
2	04:03:30	8226.000	251.400	0.000	0.000	7236.000	59730.000	61460.000	75%	8.654
3	04:04:38	8161.000	241.400	0.000	0.000	7212.000	59240.000	61330.000	75%	8.647
x		8142.000	244.100	0.000	0.000	7193.000	59280.000	60910.000	75%	8.666
σ		95.300	6.377	0.000	0.000	55.210	441.000	831.600	1%	0.028
%RSD		1.170	2.612	0.000	0.000	0.768	0.744	1.365	1	0.322

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:02:21	-4.574	4.341	651.400	1374.000	166.800	1347.000	1391.000	0.776	4.317
2	04:03:30	-8.551	4.551	730.800	1395.000	169.800	1377.000	1404.000	0.780	4.353
3	04:04:38	-4.515	4.725	774.500	1402.000	169.400	1374.000	1414.000	0.764	4.466
x		-5.880	4.539	718.900	1390.000	168.700	1366.000	1403.000	0.773	4.379
σ		2.313	0.192	62.400	14.330	1.619	16.930	11.380	0.009	0.078
%RSD		39.340	4.239	8.679	1.031	0.960	1.239	0.811	1.124	1.783

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:02:21	7.107	6.997	29.090	1.717	0.555	6.128	-0.812	0.555	3.103
2	04:03:30	7.278	6.943	29.780	1.498	0.219	6.893	-0.987	0.220	2.178
3	04:04:38	6.914	6.758	29.830	1.929	0.935	7.217	-0.959	0.936	0.403
x		7.100	6.900	29.570	1.715	0.570	6.746	-0.920	0.570	1.895
σ		0.182	0.126	0.417	0.215	0.358	0.560	0.094	0.358	1.372
%RSD		2.564	1.819	1.409	12.550	62.840	8.293	10.210	62.880	72.430

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:02:21	2.257	1.645	1.646	1.595	1.598	0.000	74%	-0.635	0.038
2	04:03:30	2.447	1.563	1.729	1.589	1.596	0.000	73%	-0.370	0.039
3	04:04:38	2.231	1.607	1.667	1.518	1.609	-0.001	72%	-1.070	0.051
x		2.312	1.605	1.681	1.567	1.601	-0.000	73%	-0.692	0.043
σ		0.118	0.041	0.043	0.043	0.007	0.001	1%	0.353	0.007
%RSD		5.101	2.552	2.571	2.746	0.433	182.600	1	51.100	17.140

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:02:21	0.551	-0.661	0.033	0.124	0.674	0.784	97.940	98.950	86%
2	04:03:30	0.346	-0.396	0.041	0.147	0.628	0.831	97.100	99.440	85%
3	04:04:38	0.559	-1.093	0.042	0.081	0.659	0.805	98.740	100.300	84%
x		0.485	-0.717	0.039	0.117	0.654	0.806	97.930	99.550	85%
σ		0.121	0.352	0.005	0.033	0.023	0.023	0.819	0.661	1%
%RSD		24.900	49.100	12.400	28.580	3.545	2.895	0.837	0.664	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:02:21	88%	0.071	0.078	8.676	8.027	8.347	90%	0.516
2	04:03:30	87%	0.067	0.071	8.616	7.994	8.356	90%	0.531
3	04:04:38	86%	0.065	0.055	8.852	7.990	8.388	89%	0.532
x		87%	0.068	0.068	8.715	8.004	8.364	90%	0.526
σ		1%	0.003	0.012	0.123	0.021	0.021	0%	0.009
%RSD		1	4.152	17.350	1.409	0.256	0.257	1	1.706

C4481-05LX5 MB9TC1L 11/19/2011 04:09:08 AM

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	04:10:16	76%	0.159	21.440	0.000	11870.000	4125.000	4002.000	4002.000	53.970
2	04:11:24	76%	0.201	20.220	0.000	12040.000	4207.000	4048.000	4068.000	54.830
3	04:12:32	77%	0.130	20.750	0.000	11680.000	4065.000	3920.000	3962.000	53.150
x		76%	0.163	20.810	0.000	11860.000	4132.000	3990.000	4011.000	53.990
σ		1%	0.036	0.612	0.000	180.500	71.190	65.110	53.670	0.839
%RSD		1	21.810	2.941	0.000	1.521	1.723	1.632	1.338	1.553
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:10:16	1640.000	54.770	0.000	0.000	1517.000	11880.000	11840.000	72%	1.742
2	04:11:24	1664.000	51.970	0.000	0.000	1544.000	12050.000	11930.000	72%	1.578
3	04:12:32	1610.000	51.180	0.000	0.000	1498.000	11780.000	11680.000	73%	1.775
x		1638.000	52.640	0.000	0.000	1520.000	11900.000	11820.000	73%	1.698
σ		26.990	1.886	0.000	0.000	23.430	132.000	126.000	1%	0.105
%RSD		1.648	3.583	0.000	0.000	1.542	1.109	1.066	1	6.182
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:10:16	-0.013	1.753	209.500	283.700	34.190	274.300	292.300	0.162	1.284
2	04:11:24	-0.548	1.740	204.900	286.100	35.000	278.800	300.700	0.170	1.185
3	04:12:32	-1.515	1.614	197.400	278.900	33.880	270.300	289.500	0.171	1.320
x		-0.692	1.702	203.900	282.900	34.360	274.500	294.200	0.168	1.263
σ		0.761	0.077	6.066	3.661	0.577	4.220	5.825	0.005	0.070
%RSD		110.000	4.497	2.975	1.294	1.679	1.538	1.980	2.974	5.535
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:10:16	2.056	2.013	6.925	0.608	-0.220	2.199	-1.276	-0.220	1.243
2	04:11:24	2.138	2.105	7.171	0.059	0.054	2.186	-1.205	0.053	1.447
3	04:12:32	2.081	2.094	6.870	0.074	0.229	2.102	-1.705	0.228	0.577
x		2.092	2.071	6.989	0.247	0.021	2.162	-1.395	0.020	1.089
σ		0.042	0.050	0.160	0.313	0.227	0.053	0.270	0.225	0.455
%RSD		2.022	2.420	2.291	126.600	1090.000	2.450	19.380	1111.000	41.780
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:10:16	0.400	0.324	0.324	0.378	0.324	0.000	74%	-1.251	0.028
2	04:11:24	0.416	0.390	0.311	0.338	0.361	0.003	75%	-0.691	0.049
3	04:12:32	0.477	0.346	0.316	0.296	0.320	-0.000	75%	-0.407	0.034
x		0.431	0.353	0.317	0.337	0.335	0.001	75%	-0.783	0.037
σ		0.041	0.034	0.007	0.041	0.023	0.002	0%	0.429	0.011
%RSD		9.427	9.585	2.065	12.240	6.865	172.400	0	54.850	29.360
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:10:16	0.594	-1.271	0.029	-0.072	0.149	0.182	19.470	20.150	85%
2	04:11:24	0.327	-0.714	0.029	-0.024	0.145	0.177	20.270	20.000	85%
3	04:12:32	0.256	-0.431	0.035	-0.003	0.150	0.179	19.890	19.700	86%
x		0.392	-0.805	0.031	-0.033	0.148	0.179	19.880	19.950	86%
σ		0.178	0.427	0.003	0.035	0.003	0.002	0.399	0.227	1%
%RSD		45.390	53.060	11.030	107.700	1.933	1.253	2.006	1.140	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	04:10:16	87%	0.021	0.021	1.698	1.645	1.665	92%	0.105	
2	04:11:24	87%	0.027	0.028	1.730	1.665	1.701	92%	0.111	
3	04:12:32	88%	0.029	0.022	1.675	1.547	1.638	93%	0.108	
x		87%	0.025	0.023	1.701	1.619	1.668	92%	0.108	
σ		0%	0.004	0.004	0.028	0.064	0.032	1%	0.003	
%RSD		1	15.570	16.350	1.642	3.925	1.897	1	2.537	

C4481-07 MB9TC1S 11/19/2011 04:17:02 AM

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	04:18:10	85%	172.300	113.000	0.000	67650.000	23280.000	23150.000	23060.000	7333.000
2	04:19:18	85%	173.400	115.500	0.000	67700.000	23690.000	23560.000	23400.000	7406.000
3	04:20:26	85%	174.200	109.700	0.000	68180.000	23590.000	23470.000	23420.000	7409.000
x		85%	173.300	112.700	0.000	67840.000	23520.000	23390.000	23290.000	7382.000
σ		0%	0.943	2.939	0.000	295.600	210.200	218.400	202.500	42.710
%RSD		0	0.544	2.607	0.000	0.436	0.894	0.934	0.869	0.579
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:18:10	9181.000	274.800	0.000	0.000	8203.000	67830.000	68940.000	74%	10.160
2	04:19:18	9277.000	281.200	0.000	0.000	8224.000	68370.000	69810.000	74%	9.759
3	04:20:26	9299.000	276.800	0.000	0.000	8225.000	68250.000	69240.000	75%	9.383
x		9253.000	277.600	0.000	0.000	8217.000	68150.000	69330.000	74%	9.766
σ		62.600	3.275	0.000	0.000	12.400	282.700	444.700	0%	0.387
%RSD		0.677	1.180	0.000	0.000	0.151	0.415	0.641	0	3.965
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:18:10	1757.000	688.000	704.500	5218.000	1977.000	5069.000	5130.000	1694.000	1654.000
2	04:19:18	1794.000	695.300	833.300	5206.000	1993.000	5104.000	5164.000	1695.000	1661.000
3	04:20:26	1786.000	688.000	940.500	5192.000	1994.000	5114.000	5185.000	1695.000	1657.000
x		1779.000	690.500	826.100	5205.000	1988.000	5096.000	5160.000	1695.000	1657.000
σ		19.580	4.230	118.200	13.150	9.171	23.930	27.700	0.407	3.445
%RSD		1.101	0.613	14.310	0.253	0.461	0.469	0.537	0.024	0.208
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:18:10	848.000	845.700	1829.000	145.500	360.500	6.678	348.600	360.700	1.310
2	04:19:18	849.900	849.800	1825.000	143.600	350.600	7.775	349.200	350.700	1.172
3	04:20:26	843.700	842.100	1834.000	144.000	353.600	8.329	348.800	353.800	0.329
x		847.200	845.900	1829.000	144.400	354.900	7.594	348.900	355.100	0.937
σ		3.169	3.864	4.364	1.016	5.069	0.840	0.348	5.141	0.531
%RSD		0.374	0.457	0.238	0.704	1.428	11.070	0.100	1.448	56.670
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:18:10	3.875	1.901	2.061	2.030	1.957	0.009	72%	196.600	181.400
2	04:19:18	3.797	1.891	1.968	1.929	1.832	0.005	72%	192.100	182.400
3	04:20:26	3.479	1.930	1.978	1.944	1.869	0.013	72%	193.400	183.200
x		3.717	1.907	2.002	1.968	1.886	0.009	72%	194.000	182.300
σ		0.210	0.020	0.051	0.055	0.064	0.004	0%	2.318	0.889
%RSD		5.642	1.069	2.554	2.776	3.399	43.340	0	1.195	0.487
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:18:10	0.661	195.700	180.100	193.800	0.836	375.000	7122.000	7101.000	83%
2	04:19:18	4.860	191.200	181.900	193.200	0.828	377.600	7241.000	7163.000	83%
3	04:20:26	2.552	192.600	179.900	193.100	0.773	376.000	7229.000	7051.000	82%
x		2.691	193.200	180.600	193.400	0.812	376.200	7198.000	7105.000	83%
σ		2.103	2.267	1.122	0.412	0.034	1.339	65.580	56.070	0%
%RSD		78.170	1.174	0.621	0.213	4.222	0.356	0.911	0.789	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	04:18:10	85%	181.100	182.900	88.210	81.570	84.330	86%	0.599	
2	04:19:18	85%	179.600	180.300	87.060	78.620	82.220	88%	0.591	
3	04:20:26	85%	178.800	179.800	86.480	78.880	82.040	89%	0.589	
x		85%	179.800	181.000	87.250	79.690	82.870	88%	0.593	
σ		0%	1.176	1.664	0.881	1.636	1.272	1%	0.005	
%RSD		0	0.654	0.919	1.009	2.054	1.535	1	0.919	

Reviewed By:jaswal
@ 11/21/2011
12:38:57 PM
Initial:PB

C4481-07X10 MB9TC1S 11/19/2011 04:24:57 AM

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	04:26:05	75%	17.780	13.080	0.000	6871.000	2379.000	2303.000	2321.000	762.300
2	04:27:13	75%	17.250	13.690	0.000	6753.000	2366.000	2272.000	2297.000	759.700
3	04:28:21	75%	18.080	14.640	0.000	6799.000	2374.000	2290.000	2308.000	758.100
X		75%	17.710	13.800	0.000	6808.000	2373.000	2288.000	2309.000	760.100
σ		0%	0.418	0.786	0.000	59.220	6.592	15.470	11.670	2.098
%RSD		1	2.361	5.696	0.000	0.870	0.278	0.676	0.505	0.276

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:26:05	962.100	31.950	0.000	0.000	892.200	7088.000	6867.000	71%	1.128
2	04:27:13	949.300	32.720	0.000	0.000	888.500	6942.000	6761.000	72%	1.081
3	04:28:21	948.000	29.330	0.000	0.000	889.800	6891.000	6836.000	71%	0.908
X		953.100	31.330	0.000	0.000	890.200	6974.000	6821.000	71%	1.039
σ		7.797	1.781	0.000	0.000	1.918	102.500	54.660	0%	0.116
%RSD		0.818	5.683	0.000	0.000	0.216	1.469	0.801	1	11.150

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:26:05	174.900	73.050	210.600	544.000	207.500	534.000	543.500	176.100	174.600
2	04:27:13	171.200	71.960	202.500	537.800	204.000	525.900	538.000	175.000	174.400
3	04:28:21	174.700	73.490	193.700	538.300	204.100	528.100	533.700	176.300	174.000
X		173.600	72.830	202.200	540.000	205.200	529.300	538.400	175.800	174.300
σ		2.098	0.790	8.444	3.481	2.006	4.187	4.944	0.690	0.277
%RSD		1.209	1.084	4.175	0.644	0.978	0.791	0.918	0.393	0.159

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:26:05	90.570	90.230	190.900	14.640	35.290	2.313	32.910	35.090	1.539
2	04:27:13	89.420	89.670	191.600	15.140	34.880	2.124	33.480	34.740	0.299
3	04:28:21	89.210	89.830	191.100	14.610	35.840	2.049	34.230	35.630	0.930
X		89.730	89.910	191.200	14.800	35.340	2.162	33.540	35.150	0.922
σ		0.733	0.290	0.368	0.297	0.482	0.136	0.661	0.447	0.620
%RSD		0.817	0.323	0.193	2.011	1.365	6.284	1.972	1.271	67.200

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:26:05	0.411	0.183	0.255	0.198	0.218	0.003	74%	19.940	18.070
2	04:27:13	0.397	0.222	0.199	0.204	0.223	0.002	73%	17.170	18.450
3	04:28:21	0.394	0.201	0.208	0.229	0.203	0.001	74%	18.380	18.250
X		0.401	0.202	0.221	0.210	0.215	0.002	73%	18.490	18.260
σ		0.009	0.020	0.030	0.016	0.011	0.001	0%	1.388	0.191
%RSD		2.366	9.794	13.450	7.740	5.033	49.610	1	7.505	1.048

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:26:05	-0.284	19.830	18.050	19.390	0.107	37.220	714.300	720.100	84%
2	04:27:13	0.426	17.070	18.370	19.210	0.103	37.400	715.100	736.800	84%
3	04:28:21	0.190	18.280	18.150	19.260	0.093	37.320	707.100	719.600	85%
X		0.111	18.390	18.190	19.290	0.101	37.310	712.200	725.500	84%
σ		0.361	1.384	0.160	0.093	0.007	0.090	4.401	9.758	1%
%RSD		326.000	7.523	0.880	0.480	6.987	0.242	0.618	1.345	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:26:05	85%	18.450	18.490	8.807	8.125	8.413	91%	0.069
2	04:27:13	86%	18.530	18.360	8.772	8.049	8.316	92%	0.066
3	04:28:21	87%	18.390	18.310	8.795	8.082	8.343	92%	0.069
X		86%	18.450	18.390	8.791	8.085	8.357	92%	0.068
σ		1%	0.071	0.096	0.018	0.038	0.050	0%	0.002
%RSD		1	0.385	0.524	0.200	0.470	0.602	0	2.655

C4481-08 MB9TE9 11/19/2011 04:32:52 AM

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	04:34:00	82%	0.184	97.030	0.000	56520.000	20730.000	20590.000	20500.000	737.000
2	04:35:08	81%	0.156	98.690	0.000	57870.000	21210.000	21080.000	21030.000	750.000
3	04:36:16	82%	0.164	102.700	0.000	57170.000	21100.000	20900.000	20690.000	744.900
x		82%	0.168	99.490	0.000	57180.000	21010.000	20860.000	20740.000	744.000
σ		1%	0.014	2.937	0.000	675.200	253.600	246.600	266.400	6.542
%RSD		1	8.521	2.952	0.000	1.181	1.207	1.182	1.285	0.879
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:34:00	8618.000	252.000	0.000	0.000	7043.000	58200.000	59560.000	74%	21.560
2	04:35:08	8805.000	254.700	0.000	0.000	7160.000	59000.000	60430.000	74%	20.630
3	04:36:16	8738.000	257.200	0.000	0.000	7187.000	59040.000	60760.000	73%	22.310
x		8720.000	254.600	0.000	0.000	7130.000	58740.000	60250.000	74%	21.500
σ		94.720	2.584	0.000	0.000	76.470	475.700	620.000	0%	0.838
%RSD		1.086	1.015	0.000	0.000	1.072	0.810	1.029	1	3.899
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:34:00	-5.776	9.809	516.900	2128.000	231.600	2103.000	2174.000	1.275	7.442
2	04:35:08	-3.314	10.130	588.700	2181.000	234.000	2123.000	2180.000	1.247	7.516
3	04:36:16	-4.406	10.340	646.800	2173.000	234.000	2112.000	2174.000	1.232	7.700
x		-4.498	10.090	584.100	2161.000	233.200	2113.000	2176.000	1.251	7.553
σ		1.233	0.267	65.100	28.800	1.416	9.979	3.655	0.022	0.133
%RSD		27.420	2.643	11.150	1.333	0.607	0.472	0.168	1.729	1.755
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:34:00	7.198	7.039	29.580	1.553	0.855	5.051	-0.972	0.854	0.354
2	04:35:08	7.330	7.102	29.640	1.181	0.478	5.911	-1.409	0.478	1.072
3	04:36:16	7.166	7.125	29.540	1.072	0.442	6.336	-1.060	0.442	2.846
x		7.231	7.089	29.590	1.268	0.591	5.766	-1.147	0.591	1.424
σ		0.087	0.045	0.054	0.253	0.229	0.655	0.231	0.229	1.283
%RSD		1.199	0.635	0.182	19.910	38.670	11.350	20.140	38.650	90.080
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:34:00	3.006	1.770	1.806	1.747	1.746	0.004	73%	-0.799	0.080
2	04:35:08	2.825	1.786	1.765	1.742	1.687	0.004	72%	-1.114	0.070
3	04:36:16	2.767	1.715	1.787	1.752	1.774	0.002	72%	-0.688	0.077
x		2.866	1.757	1.786	1.747	1.736	0.003	72%	-0.867	0.076
σ		0.125	0.037	0.020	0.005	0.045	0.001	0%	0.221	0.005
%RSD		4.344	2.125	1.131	0.269	2.574	40.860	1	25.520	7.247
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:34:00	0.496	-0.824	0.063	0.085	0.520	0.868	106.800	107.900	85%
2	04:35:08	0.670	-1.139	0.064	0.016	0.523	0.866	105.300	106.400	85%
3	04:36:16	0.537	-0.714	0.070	0.102	0.529	0.886	105.400	106.400	84%
x		0.568	-0.892	0.066	0.068	0.524	0.873	105.800	106.900	85%
σ		0.091	0.221	0.004	0.045	0.005	0.011	0.802	0.871	0%
%RSD		16.030	24.730	5.541	66.890	0.863	1.293	0.758	0.814	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	04:34:00	87%	0.225	0.231	7.685	6.896	7.277	90%	0.542	
2	04:35:08	87%	0.218	0.211	7.578	6.961	7.287	90%	0.536	
3	04:36:16	87%	0.170	0.182	7.660	7.057	7.387	90%	0.539	
x		87%	0.204	0.208	7.641	6.971	7.317	90%	0.539	
σ		0%	0.030	0.025	0.056	0.081	0.061	0%	0.003	
%RSD		0	14.600	11.800	0.729	1.156	0.837	0	0.501	

C4481-09 MB9TF1 11/19/2011 04:40:47 AM

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	04:41:55	78%	0.142	95.170	0.000	59820.000	20950.000	20850.000	20710.000	253.300
2	04:43:03	79%	0.160	101.600	0.000	60310.000	21200.000	21090.000	21150.000	258.300
3	04:44:11	81%	0.110	93.310	0.000	59180.000	20600.000	20630.000	20450.000	251.300
x		79%	0.137	96.680	0.000	59770.000	20920.000	20860.000	20770.000	254.300
σ		1%	0.026	4.323	0.000	568.400	300.400	233.400	356.800	3.631
%RSD		2	18.610	4.471	0.000	0.951	1.436	1.119	1.718	1.428

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:41:55	8214.000	262.300	0.000	0.000	7302.000	60550.000	61970.000	72%	8.662
2	04:43:03	8341.000	258.300	0.000	0.000	7424.000	61490.000	63280.000	72%	8.826
3	04:44:11	8197.000	256.000	0.000	0.000	7249.000	60230.000	62010.000	72%	9.375
x		8251.000	258.900	0.000	0.000	7325.000	60760.000	62420.000	72%	8.954
σ		78.500	3.200	0.000	0.000	89.660	655.400	747.600	0%	0.373
%RSD		0.951	1.236	0.000	0.000	1.224	1.079	1.198	0	4.170

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:41:55	-1.740	4.500	431.900	1322.000	160.900	1292.000	1347.000	0.802	5.358
2	04:43:03	-0.256	4.728	468.800	1343.000	164.400	1322.000	1390.000	0.776	5.324
3	04:44:11	-4.377	4.523	485.800	1311.000	160.700	1291.000	1330.000	0.801	5.432
x		-2.124	4.584	462.200	1325.000	162.000	1301.000	1356.000	0.793	5.371
σ		2.088	0.125	27.570	16.040	2.122	17.510	31.040	0.015	0.055
%RSD		98.280	2.734	5.965	1.210	1.310	1.345	2.290	1.842	1.029

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:41:55	7.878	7.926	36.240	2.271	0.730	4.234	-0.643	0.729	1.046
2	04:43:03	8.157	8.008	37.040	0.703	0.930	4.786	-1.163	0.928	1.561
3	04:44:11	7.758	7.868	36.030	1.745	0.723	4.712	-1.064	0.721	2.098
x		7.931	7.934	36.440	1.573	0.794	4.577	-0.957	0.792	1.568
σ		0.205	0.070	0.530	0.798	0.117	0.300	0.276	0.117	0.526
%RSD		2.582	0.884	1.456	50.750	14.780	6.547	28.850	14.820	33.550

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:41:55	3.290	1.517	1.755	1.641	1.586	0.001	72%	-0.586	0.041
2	04:43:03	3.315	1.593	1.824	1.705	1.648	0.005	71%	-1.004	0.037
3	04:44:11	3.225	1.524	1.636	1.553	1.525	0.004	73%	-0.745	0.036
x		3.277	1.544	1.738	1.633	1.587	0.004	72%	-0.778	0.038
σ		0.046	0.042	0.095	0.077	0.061	0.002	1%	0.211	0.002
%RSD		1.413	2.711	5.449	4.688	3.872	65.630	1	27.100	6.493

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:41:55	0.463	-0.614	0.039	0.109	0.981	0.689	97.670	99.710	85%
2	04:43:03	0.591	-1.028	0.044	0.093	0.986	0.722	100.400	101.900	83%
3	04:44:11	0.546	-0.770	0.036	0.076	0.910	0.639	97.270	97.870	85%
x		0.534	-0.804	0.040	0.093	0.959	0.684	98.440	99.810	84%
σ		0.065	0.209	0.004	0.017	0.042	0.042	1.692	2.005	1%
%RSD		12.170	25.990	9.832	18.130	4.418	6.086	1.719	2.008	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:41:55	86%	0.098	0.100	7.712	7.202	7.420	90%	0.534
2	04:43:03	86%	0.100	0.102	7.697	7.279	7.511	89%	0.545
3	04:44:11	87%	0.094	0.100	7.482	7.007	7.289	91%	0.541
x		86%	0.097	0.101	7.630	7.163	7.407	90%	0.540
σ		1%	0.003	0.001	0.129	0.140	0.112	1%	0.006
%RSD		1	2.997	1.302	1.686	1.957	1.509	1	1.045

Reviewed By Agarwal
11/21/2011
8:57 PM

C4481-10 MB9TG3 11/19/2011 04:48:43 AM

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	04:49:51	81%	0.226	107.100	0.000	62750.000	22160.000	21930.000	21740.000	744.400
2	04:50:59	82%	0.117	100.500	0.000	62880.000	21940.000	21930.000	21730.000	753.100
3	04:52:07	82%	0.198	101.200	0.000	63920.000	22480.000	22230.000	21940.000	757.200
x		82%	0.180	102.900	0.000	63190.000	22190.000	22030.000	21810.000	751.600
σ		1%	0.057	3.631	0.000	643.000	275.200	168.800	116.200	6.507
%RSD		1	31.410	3.528	0.000	1.018	1.240	0.766	0.533	0.866

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:49:51	9405.000	296.400	0.000	0.000	7563.000	63400.000	64510.000	73%	21.830
2	04:50:59	9407.000	297.900	0.000	0.000	7532.000	62940.000	65150.000	73%	22.350
3	04:52:07	9476.000	298.400	0.000	0.000	7607.000	63170.000	64830.000	72%	22.290
x		9430.000	297.600	0.000	0.000	7568.000	63170.000	64830.000	72%	22.160
σ		40.560	1.019	0.000	0.000	37.700	231.400	321.500	0%	0.284
%RSD		0.430	0.342	0.000	0.000	0.498	0.366	0.496	1	1.280

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:49:51	-5.468	45.550	733.000	2243.000	186.800	2186.000	2229.000	1.135	12.360
2	04:50:59	-11.660	45.860	823.500	2235.000	184.800	2160.000	2236.000	1.125	12.280
3	04:52:07	-9.647	46.560	893.200	2239.000	186.100	2206.000	2262.000	1.104	12.240
x		-8.925	45.990	816.500	2239.000	185.900	2184.000	2242.000	1.121	12.290
σ		3.157	0.517	80.340	3.932	1.012	23.240	17.230	0.016	0.064
%RSD		35.380	1.123	9.839	0.176	0.544	1.064	0.768	1.418	0.522

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:49:51	8.455	8.358	31.960	1.846	1.256	7.134	-0.846	1.257	0.545
2	04:50:59	8.169	8.407	31.870	0.250	0.601	8.112	-0.952	0.601	1.422
3	04:52:07	8.406	8.411	32.720	3.484	0.755	8.157	-1.425	0.755	0.816
x		8.344	8.392	32.180	1.860	0.870	7.801	-1.074	0.871	0.928
σ		0.153	0.030	0.468	1.617	0.343	0.578	0.308	0.343	0.449
%RSD		1.834	0.354	1.454	86.920	39.350	7.407	28.660	39.370	48.380

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:49:51	4.072	1.966	2.317	2.002	1.988	0.004	70%	-1.019	0.058
2	04:50:59	4.090	2.064	2.239	2.000	2.055	0.003	70%	-0.542	0.068
3	04:52:07	4.136	1.996	2.191	2.084	1.967	0.004	70%	-1.062	0.073
x		4.099	2.009	2.249	2.029	2.003	0.003	70%	-0.874	0.066
σ		0.033	0.050	0.063	0.048	0.046	0.001	0%	0.289	0.008
%RSD		0.813	2.504	2.818	2.355	2.309	15.850	0	33.040	11.690

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:49:51	0.741	-1.046	0.060	-0.002	3.936	0.791	106.600	108.000	84%
2	04:50:59	0.493	-0.569	0.064	0.083	3.888	0.765	105.600	107.700	82%
3	04:52:07	0.667	-1.087	0.060	0.066	3.982	0.756	106.200	108.500	82%
x		0.633	-0.901	0.061	0.049	3.935	0.771	106.100	108.100	83%
σ		0.127	0.288	0.003	0.045	0.047	0.018	0.455	0.364	1%
%RSD		20.110	32.010	4.418	91.310	1.196	2.343	0.429	0.337	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:49:51	85%	0.076	0.077	7.220	6.537	6.968	88%	0.581
2	04:50:59	84%	0.065	0.075	7.204	6.718	6.997	87%	0.595
3	04:52:07	84%	0.074	0.073	7.260	6.872	6.971	88%	0.598
x		85%	0.072	0.075	7.228	6.709	6.979	88%	0.591
σ		1%	0.006	0.002	0.029	0.167	0.016	1%	0.009
%RSD		1	8.528	2.321	0.400	2.493	0.224	1	1.562

Reviewed By:jaswa
On:11/21/2011
@:38:57 PM
last id :P8

C4481-11 MB9TB9 11/19/2011 04:56:39 AM

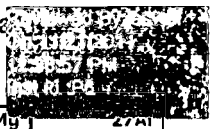
User Pre-dilution: 1.000

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:57:47	83%	0.338	95.250	0.000	58500.000	20940.000	20790.000	20660.000	1351.000
2	04:58:55	82%	0.189	95.820	0.000	59540.000	21220.000	21010.000	20800.000	1361.000
3	05:00:03	83%	0.232	103.200	0.000	59360.000	21240.000	21180.000	21070.000	1372.000
x		82%	0.253	98.100	0.000	59130.000	21130.000	21000.000	20840.000	1362.000
σ		0%	0.077	4.448	0.000	555.100	165.300	193.500	207.000	10.360
%RSD		0	30.250	4.534	0.000	0.939	0.782	0.922	0.993	0.761
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:57:47	9859.000	321.300	0.000	0.000	7221.000	58660.000	60530.000	73%	40.180
2	04:58:55	9948.000	324.500	0.000	0.000	7263.000	59570.000	61500.000	72%	41.920
3	05:00:03	9936.000	323.900	0.000	0.000	7308.000	60520.000	61400.000	72%	41.920
x		9914.000	323.200	0.000	0.000	7264.000	59580.000	61140.000	72%	41.340
σ		48.290	1.719	0.000	0.000	43.760	929.900	532.900	0%	1.002
%RSD		0.487	0.532	0.000	0.000	0.602	1.561	0.872	0	2.424
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:57:47	-13.070	15.970	878.900	3295.000	258.300	3206.000	3297.000	1.648	7.586
2	04:58:55	116.800	16.300	985.600	3341.000	262.800	3266.000	3321.000	1.637	7.546
3	05:00:03	120.300	16.460	1056.000	3331.000	262.700	3253.000	3317.000	1.655	7.705
x		74.670	16.240	973.600	3322.000	261.300	3242.000	3312.000	1.646	7.613
σ		76.010	0.250	89.250	24.120	2.584	31.420	12.870	0.009	0.083
%RSD		101.800	1.540	9.167	0.726	0.989	0.969	0.389	0.556	1.084
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:57:47	9.428	9.551	45.070	2.665	0.929	8.271	-0.981	0.929	0.915
2	04:58:55	9.514	9.254	45.510	1.389	0.419	9.182	-0.752	0.420	1.590
3	05:00:03	9.472	9.126	46.410	2.792	0.371	9.410	-1.579	0.372	2.399
x		9.471	9.310	45.660	2.282	0.573	8.954	-1.104	0.574	1.634
σ		0.043	0.218	0.680	0.776	0.309	0.603	0.427	0.309	0.743
%RSD		0.451	2.341	1.489	34.000	53.950	6.729	38.680	53.880	45.450
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:57:47	4.364	1.878	2.077	1.798	1.847	0.005	71%	0.010	0.087
2	04:58:55	4.371	1.877	2.053	1.813	1.827	0.006	70%	-0.440	0.099
3	05:00:03	4.247	1.904	2.011	1.802	1.828	0.002	70%	-0.846	0.089
x		4.327	1.886	2.047	1.804	1.834	0.004	70%	-0.425	0.092
σ		0.070	0.015	0.033	0.008	0.012	0.002	0%	0.428	0.006
%RSD		1.607	0.814	1.632	0.449	0.629	47.170	1	100.700	6.977
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	04:57:47	0.320	-0.021	0.090	0.181	0.735	0.979	107.000	108.600	83%
2	04:58:55	0.526	-0.469	0.083	0.120	0.821	1.029	107.900	110.500	83%
3	05:00:03	0.695	-0.873	0.097	0.095	0.843	0.992	108.800	109.500	82%
x		0.513	-0.454	0.090	0.132	0.799	1.000	107.900	109.500	83%
σ		0.188	0.426	0.007	0.044	0.057	0.026	0.885	0.935	1%
%RSD		36.520	93.790	7.624	33.530	7.147	2.565	0.820	0.853	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	04:57:47	84%	0.071	0.069	25.020	23.010	24.150	88%	0.618	
2	04:58:55	85%	0.068	0.063	25.360	23.570	24.280	87%	0.626	
3	05:00:03	84%	0.065	0.060	25.370	23.530	24.170	88%	0.623	
x		85%	0.068	0.064	25.250	23.370	24.200	88%	0.622	
σ		0%	0.003	0.005	0.203	0.313	0.070	0%	0.004	
%RSD		0	3.756	7.245	0.803	1.337	0.288	0	0.692	

CCV61 11/19/2011 05:04:34 AM

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	05:05:42	70%	487.900	490.100	0.000	50150.000	50290.000	49790.000	50220.000	9924.000
2	05:06:50	71%	482.400	496.300	0.000	49540.000	49790.000	49520.000	49910.000	9917.000
3	05:07:58	71%	490.100	499.200	0.000	50070.000	50120.000	50060.000	49950.000	9870.000
x		71%	486.800	495.200	0.000	49920.000	50060.000	49790.000	50020.000	9904.000
σ		1%	3.965	4.633	0.000	334.300	254.000	265.500	166.100	29.670
%RSD		1	0.815	0.936	0.000	0.670	0.507	0.533	0.332	0.300
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:42	483.900	9159.000	0.000	0.000	24690.000	50510.000	51390.000	67%	490.400
2	05:06:50	482.100	9144.000	0.000	0.000	24710.000	50560.000	51440.000	67%	494.100
3	05:07:58	470.900	9214.000	0.000	0.000	24680.000	50360.000	51260.000	68%	498.400
x		479.000	9172.000	0.000	0.000	24690.000	50480.000	51370.000	67%	494.300
σ		7.038	36.730	0.000	0.000	14.300	107.100	93.370	0%	3.979
%RSD		1.469	0.400	0.000	0.000	0.058	0.212	0.182	0	0.805
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:42	489.900	497.800	133.400	25800.000	1040.000	25530.000	25790.000	483.700	477.500
2	05:06:50	486.800	494.900	119.600	25780.000	1042.000	25610.000	25940.000	485.400	476.900
3	05:07:58	488.200	495.500	106.700	25760.000	1045.000	25690.000	25880.000	485.500	475.800
x		488.300	496.100	119.900	25780.000	1042.000	25610.000	25870.000	484.900	476.800
σ		1.545	1.550	13.350	21.180	2.693	76.980	77.820	1.017	0.871
%RSD		0.316	0.312	11.130	0.082	0.258	0.301	0.301	0.210	0.183
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:42	958.500	952.200	1019.000	484.600	501.600	1.317	494.200	499.700	0.650
2	05:06:50	962.600	951.800	1019.000	483.700	502.400	0.753	496.800	500.400	0.919
3	05:07:58	959.600	960.600	1023.000	486.300	505.400	0.625	497.000	503.100	1.504
x		960.200	954.900	1020.000	484.900	503.100	0.898	496.000	501.100	1.025
σ		2.085	4.966	2.167	1.284	1.988	0.368	1.545	1.825	0.437
%RSD		0.217	0.520	0.212	0.265	0.395	40.990	0.312	0.364	42.630
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:42	500.100	497.600	496.900	499.600	500.500	0.004	68%	521.500	526.400
2	05:06:50	501.800	502.700	499.800	500.400	503.400	0.001	69%	522.300	525.600
3	05:07:58	503.000	499.500	497.600	504.000	503.600	0.002	69%	525.300	524.700
x		501.600	499.900	498.100	501.300	502.500	0.002	69%	523.000	525.600
σ		1.418	2.571	1.522	2.365	1.760	0.001	0%	2.007	0.883
%RSD		0.283	0.514	0.306	0.472	0.350	63.860	1	0.384	0.168
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:05:42	7.645	518.700	529.200	529.200	523.300	517.200	2477.000	2497.000	81%
2	05:06:50	9.932	519.500	524.400	523.700	514.000	516.600	2440.000	2497.000	82%
3	05:07:58	8.212	522.700	526.000	527.600	520.400	517.400	2453.000	2505.000	82%
x		8.596	520.300	526.500	526.800	519.200	517.000	2457.000	2500.000	81%
σ		1.191	2.091	2.445	2.830	4.780	0.384	19.070	4.708	0%
%RSD		13.860	0.402	0.464	0.537	0.920	0.074	0.776	0.188	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	05:05:42	83%	502.000	507.600	502.300	502.800	506.800	87%	537.300	
2	05:06:50	84%	499.800	507.900	502.900	502.500	508.000	88%	531.100	
3	05:07:58	84%	497.100	505.200	504.100	504.600	507.000	88%	534.200	
x		84%	499.700	506.900	503.100	503.300	507.300	88%	534.200	
σ		0%	2.446	1.508	0.934	1.168	0.660	1%	3.109	
%RSD		0	0.489	0.297	0.186	0.232	0.130	1	0.582	



CCB61 11/19/2011 05:12:27 AM

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	05:13:35	73%	0.153	7.778	0.000	105.200	8.437	8.903	8.884	7.385
2	05:14:44	72%	0.226	5.726	0.000	109.800	10.030	9.380	9.965	8.270
3	05:15:52	72%	0.136	5.397	0.000	100.500	6.461	7.058	6.214	7.632
x		72%	0.172	6.300	0.000	105.200	8.310	8.447	8.354	7.762
σ		1%	0.048	1.291	0.000	4.659	1.790	1.226	1.931	0.457
%RSD		1	27.860	20.480	0.000	4.431	21.540	14.520	23.110	5.882

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:13:35	1.550	5.876	0.000	0.000	50.260	11.730	20.350	69%	-0.040
2	05:14:44	2.207	8.232	0.000	0.000	56.720	13.370	25.720	68%	0.055
3	05:15:52	1.366	6.167	0.000	0.000	53.100	11.730	17.980	69%	-0.085
x		1.708	6.758	0.000	0.000	53.360	12.280	21.350	69%	-0.023
σ		0.443	1.285	0.000	0.000	3.238	0.948	3.965	0%	0.072
%RSD		25.910	19.010	0.000	0.000	6.069	7.721	18.570	0	306.500

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:13:35	-0.477	0.349	99.190	3.920	0.249	-12.890	9.687	0.067	0.119
2	05:14:44	-0.648	0.405	98.700	4.161	0.267	-11.210	11.320	0.088	0.120
3	05:15:52	-0.430	0.314	95.460	1.089	0.212	-12.810	8.210	0.053	0.012
x		-0.518	0.356	97.790	3.057	0.243	-12.300	9.740	0.069	0.084
σ		0.115	0.046	2.028	1.708	0.028	0.949	1.558	0.017	0.062
%RSD		22.150	12.910	2.074	55.880	11.430	7.710	15.990	25.140	73.960

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:13:35	0.186	0.189	0.216	0.105	-0.248	1.096	-1.193	-0.247	2.138
2	05:14:44	0.205	0.174	0.315	-0.006	0.228	1.097	-1.334	0.226	0.991
3	05:15:52	0.137	0.087	0.127	-0.080	-0.235	1.080	-1.429	-0.234	1.135
x		0.176	0.150	0.219	0.006	-0.085	1.091	-1.319	-0.085	1.421
σ		0.035	0.055	0.094	0.093	0.271	0.009	0.118	0.270	0.625
%RSD		19.980	36.850	42.820	1557.000	319.100	0.859	8.985	317.100	43.960

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:13:35	0.294	0.342	0.295	0.321	0.298	-0.001	72%	-0.705	0.147
2	05:14:44	0.146	0.281	0.252	0.269	0.274	-0.001	71%	-1.183	0.148
3	05:15:52	0.201	0.170	0.134	0.183	0.180	0.003	72%	-0.686	0.089
x		0.214	0.264	0.227	0.258	0.251	0.000	72%	-0.856	0.128
σ		0.075	0.087	0.084	0.070	0.063	0.002	0%	0.282	0.033
%RSD		34.960	32.980	36.810	27.060	25.010	618.900	1	32.840	26.100

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:13:35	0.350	-0.729	0.147	0.015	0.506	0.953	0.342	0.401	83%
2	05:14:44	0.596	-1.206	0.134	-0.011	0.432	0.706	0.447	0.415	82%
3	05:15:52	0.371	-0.711	0.098	-0.006	0.346	0.571	0.212	0.287	84%
x		0.439	-0.882	0.126	-0.001	0.428	0.743	0.334	0.368	83%
σ		0.137	0.281	0.025	0.014	0.080	0.194	0.118	0.071	1%
%RSD		31.090	31.820	19.860	2650.000	18.730	26.120	35.330	19.180	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:13:35	85%	0.280	0.289	0.105	0.071	0.092	91%	0.089
2	05:14:44	84%	0.233	0.248	0.096	0.096	0.105	90%	0.094
3	05:15:52	85%	0.172	0.178	0.052	0.052	0.058	90%	0.063
x		85%	0.229	0.238	0.084	0.073	0.085	91%	0.082
σ		1%	0.054	0.056	0.028	0.022	0.024	1%	0.017
%RSD		1	23.610	23.410	33.680	30.430	28.640	1	20.100

Reviewed By lasvalP
On 11/21/2011
12:36:57 PM
Inst.Id-P6

C4481-12 MB9TA3 11/19/2011 05:20:21 AM

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	05:21:29	80%	0.136	19.230	0.000	697.000	73.370	70.920	69.920	23.450
2	05:22:37	81%	0.049	20.880	0.000	695.500	73.730	70.930	71.410	23.620
3	05:23:46	81%	0.145	19.530	0.000	706.800	73.900	73.430	70.100	24.210
x		81%	0.110	19.880	0.000	699.800	73.670	71.760	70.480	23.760
σ		1%	0.053	0.880	0.000	6.160	0.271	1.447	0.814	0.401
%RSD		1	47.940	4.429	0.000	0.880	0.368	2.017	1.155	1.687
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:29	47.360	17.490	0.000	0.000	158.100	956.500	953.800	71%	0.790
2	05:22:37	45.770	16.070	0.000	0.000	152.200	904.800	969.700	71%	0.560
3	05:23:46	47.170	15.500	0.000	0.000	153.800	927.200	969.400	71%	0.801
x		46.770	16.350	0.000	0.000	154.700	929.500	964.300	71%	0.717
σ		0.868	1.023	0.000	0.000	3.081	25.940	9.130	0%	0.136
%RSD		1.857	6.253	0.000	0.000	1.992	2.791	0.947	1	18.960
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:29	-7.884	3.268	586.000	65.750	2.063	30.980	41.510	0.049	0.703
2	05:22:37	-8.826	3.448	687.100	68.630	2.034	30.060	40.700	0.045	0.827
3	05:23:46	-10.240	3.626	759.700	73.820	2.170	31.280	39.010	0.052	0.758
x		-8.983	3.448	677.600	69.400	2.089	30.770	40.410	0.048	0.763
σ		1.185	0.179	87.260	4.091	0.072	0.634	1.273	0.003	0.062
%RSD		13.200	5.197	12.880	5.894	3.441	2.060	3.151	7.177	8.135
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:29	1.827	1.693	13.990	-1.112	-0.086	5.401	-2.152	-0.086	0.954
2	05:22:37	1.720	1.776	13.380	0.274	-0.001	6.027	-2.191	-0.001	1.466
3	05:23:46	1.781	1.843	14.140	-1.174	-0.580	6.767	-2.173	-0.578	2.149
x		1.776	1.771	13.830	-0.671	-0.223	6.065	-2.172	-0.222	1.523
σ		0.054	0.075	0.403	0.819	0.313	0.684	0.020	0.312	0.600
%RSD		3.013	4.254	2.911	122.000	140.500	11.270	0.908	140.500	39.380
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:29	0.995	0.121	0.177	0.120	0.105	0.002	71%	-0.456	0.118
2	05:22:37	0.968	0.102	0.158	0.125	0.092	0.004	71%	-0.577	0.096
3	05:23:46	1.036	0.097	0.177	0.097	0.097	0.004	71%	-0.600	0.084
x		1.000	0.106	0.171	0.114	0.098	0.003	71%	-0.544	0.099
σ		0.034	0.013	0.011	0.015	0.006	0.001	0%	0.078	0.017
%RSD		3.414	11.880	6.435	12.810	6.453	34.120	0	14.250	17.320
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:21:29	0.284	-0.482	0.117	0.021	1.270	0.615	2.089	2.212	83%
2	05:22:37	0.368	-0.602	0.101	0.006	0.929	0.439	1.888	2.025	83%
3	05:23:46	0.257	-0.625	0.080	0.034	0.910	0.323	1.990	1.983	82%
x		0.303	-0.570	0.099	0.021	1.036	0.459	1.989	2.073	83%
σ		0.058	0.077	0.019	0.014	0.202	0.147	0.101	0.122	0%
%RSD		19.140	13.470	18.930	67.460	19.500	32.000	5.057	5.875	0
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	05:21:29	84%	0.417	0.424	1.754	1.711	1.716	90%	0.037	
2	05:22:37	84%	0.302	0.287	1.727	1.681	1.704	91%	0.035	
3	05:23:46	84%	0.214	0.213	1.712	1.634	1.707	90%	0.034	
x		84%	0.311	0.308	1.731	1.675	1.709	90%	0.035	
σ		0%	0.102	0.107	0.021	0.039	0.006	0%	0.002	
%RSD		0	32.860	34.780	1.241	2.321	0.351	0	4.604	

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4481-13 MB9TA4 11/19/2011 05:28:15 AM

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	05:29:24	78%	0.073	13.080	0.000	2128.000	94.670	88.930	91.460	34.190
2	05:30:31	80%	0.048	18.010	0.000	2140.000	93.980	92.790	91.530	34.380
3	05:31:40	80%	0.022	14.090	0.000	2151.000	94.550	92.010	94.310	34.010
x		79%	0.048	15.060	0.000	2139.000	94.400	91.240	92.430	34.190
σ		1%	0.026	2.604	0.000	11.450	0.372	2.042	1.625	0.186
%RSD		1	53.850	17.290	0.000	0.535	0.394	2.238	1.758	0.545

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:29:24	55.270	19.560	0.000	0.000	153.600	1171.000	1181.000	71%	0.982
2	05:30:31	52.960	19.320	0.000	0.000	156.400	1198.000	1186.000	71%	0.995
3	05:31:40	55.390	20.160	0.000	0.000	161.700	1229.000	1208.000	70%	1.207
x		54.540	19.680	0.000	0.000	157.200	1199.000	1192.000	70%	1.061
σ		1.372	0.430	0.000	0.000	4.112	28.690	14.160	0%	0.126
%RSD		2.516	2.183	0.000	0.000	2.615	2.392	1.188	0	11.880

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:29:24	-7.818	4.208	669.000	98.570	4.175	61.740	69.210	0.050	1.307
2	05:30:31	-9.765	4.530	759.300	100.300	4.334	63.420	72.410	0.045	1.488
3	05:31:40	-11.280	4.646	826.200	105.400	4.230	64.600	72.390	0.051	1.372
x		-9.622	4.461	751.500	101.400	4.246	63.250	71.340	0.049	1.389
σ		1.737	0.227	78.850	3.561	0.081	1.434	1.842	0.003	0.092
%RSD		18.050	5.083	10.490	3.510	1.899	2.267	2.582	6.784	6.603

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:29:24	2.119	2.093	11.300	-1.299	-0.582	5.991	-2.447	-0.581	3.046
2	05:30:31	2.210	2.148	11.110	-1.005	-0.037	6.604	-2.354	-0.037	0.680
3	05:31:40	2.194	2.237	11.590	-0.140	0.002	6.945	-1.534	0.001	-0.189
x		2.174	2.160	11.330	-0.815	-0.206	6.513	-2.112	-0.205	1.179
σ		0.048	0.073	0.241	0.602	0.327	0.483	0.503	0.326	1.674
%RSD		2.229	3.358	2.123	73.950	158.700	7.420	23.800	158.600	142.000

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:29:24	1.085	0.079	0.205	0.108	0.069	0.001	71%	-1.430	0.036
2	05:30:31	1.251	0.045	0.136	0.118	0.056	0.001	71%	-0.499	0.047
3	05:31:40	1.185	0.074	0.168	0.094	0.073	0.001	70%	-1.515	0.033
x		1.174	0.066	0.170	0.107	0.066	0.001	71%	-1.148	0.039
σ		0.084	0.018	0.034	0.012	0.009	0.000	0%	0.564	0.007
%RSD		7.126	27.700	20.320	11.540	13.290	0.492	0	49.080	18.090

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:29:24	0.708	-1.452	0.033	-0.060	8.800	0.210	2.898	3.029	82%
2	05:30:31	0.304	-0.525	0.040	0.008	8.688	0.206	2.732	2.986	82%
3	05:31:40	0.731	-1.536	0.031	-0.069	8.789	0.186	2.813	3.079	82%
x		0.581	-1.171	0.035	-0.040	8.759	0.201	2.815	3.031	82%
σ		0.240	0.561	0.004	0.042	0.062	0.013	0.083	0.046	0%
%RSD		41.360	47.880	12.900	104.500	0.703	6.451	2.950	1.531	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:29:24	85%	0.121	0.120	1.829	1.733	1.784	90%	0.021
2	05:30:31	84%	0.096	0.094	1.848	1.775	1.797	90%	0.025
3	05:31:40	84%	0.096	0.085	1.787	1.741	1.770	90%	0.023
x		84%	0.104	0.100	1.821	1.750	1.784	90%	0.023
σ		0%	0.015	0.018	0.031	0.022	0.013	0%	0.002
%RSD		1	13.930	18.390	1.725	1.263	0.756	0	7.785

Reviewed By:aswall
On:11/21/2011
12:38:57 PM
Inst Id :P8

C4481-14 MB9TA0 11/19/2011 05:36:10 AM

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	05:37:18	83%	0.098	32.440	0.000	1242.000	128.500	124.400	125.300	61.570
2	05:38:26	82%	0.127	29.430	0.000	1269.000	130.100	125.400	123.600	62.310
3	05:39:34	84%	0.026	32.520	0.000	1255.000	127.600	125.100	123.500	61.850
x		83%	0.084	31.460	0.000	1255.000	128.700	124.900	124.100	61.910
σ		1%	0.052	1.766	0.000	13.100	1.264	0.515	1.011	0.376
%RSD		1	61.680	5.612	0.000	1.043	0.982	0.412	0.815	0.607

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:18	50.950	21.990	0.000	0.000	146.600	1253.000	1256.000	71%	1.377
2	05:38:26	50.840	22.980	0.000	0.000	143.900	1205.000	1258.000	72%	1.627
3	05:39:34	50.670	20.820	0.000	0.000	134.300	1216.000	1240.000	72%	1.588
x		50.820	21.930	0.000	0.000	141.600	1225.000	1251.000	72%	1.531
σ		0.140	1.084	0.000	0.000	6.452	25.000	9.675	1%	0.134
%RSD		0.275	4.943	0.000	0.000	4.557	2.041	0.773	1	8.775

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:18	124.400	5.723	1137.000	113.500	2.147	61.630	64.260	0.037	1.143
2	05:38:26	149.500	6.300	1301.000	114.600	2.169	62.130	64.490	0.030	1.037
3	05:39:34	160.200	6.417	1392.000	116.100	2.220	61.680	66.730	0.021	1.047
x		144.700	6.147	1276.000	114.700	2.179	61.810	65.160	0.029	1.076
σ		18.400	0.372	129.300	1.284	0.038	0.275	1.365	0.008	0.059
%RSD		12.720	6.044	10.130	1.120	1.723	0.444	2.095	27.590	5.443

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:18	1.597	1.671	14.490	1.462	-0.247	8.891	-2.085	-0.247	1.102
2	05:38:26	1.594	1.563	14.530	0.079	-0.038	10.180	-2.270	-0.038	1.403
3	05:39:34	1.562	1.609	14.200	0.415	-0.136	10.700	-2.262	-0.136	0.236
x		1.585	1.614	14.410	0.652	-0.140	9.923	-2.206	-0.140	0.914
σ		0.020	0.054	0.181	0.721	0.105	0.930	0.105	0.105	0.605
%RSD		1.236	3.370	1.259	110.600	74.620	9.377	4.753	74.670	66.270

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:18	1.119	0.037	0.139	0.098	0.043	-0.001	71%	-0.907	0.020
2	05:38:26	1.191	0.064	0.151	0.083	0.051	0.002	71%	-1.599	0.020
3	05:39:34	1.106	0.068	0.148	0.095	0.044	0.001	71%	-1.279	0.026
x		1.139	0.056	0.146	0.092	0.046	0.001	71%	-1.262	0.022
σ		0.046	0.017	0.006	0.008	0.004	0.001	0%	0.347	0.004
%RSD		4.034	29.810	4.214	9.062	9.415	213.300	0	27.470	16.670

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:18	0.457	-0.930	0.031	-0.051	0.725	0.185	2.400	2.391	82%
2	05:38:26	0.738	-1.620	0.021	-0.069	0.762	0.144	2.495	2.455	82%
3	05:39:34	0.624	-1.301	0.031	-0.073	0.732	0.154	2.426	2.598	82%
x		0.607	-1.284	0.028	-0.064	0.740	0.161	2.441	2.481	82%
σ		0.142	0.345	0.006	0.011	0.020	0.021	0.049	0.106	0%
%RSD		23.340	26.880	22.040	17.670	2.661	13.020	2.013	4.271	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:37:18	84%	0.082	0.077	2.685	2.497	2.596	89%	0.041
2	05:38:26	83%	0.060	0.073	2.695	2.487	2.580	88%	0.038
3	05:39:34	83%	0.051	0.065	2.684	2.475	2.552	90%	0.037
x		83%	0.065	0.071	2.688	2.486	2.576	89%	0.039
σ		0%	0.016	0.006	0.007	0.011	0.022	1%	0.002
%RSD		0	24.780	8.764	0.243	0.431	0.873	1	5.600

Reviewed By:aswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4482-01 MB9TA8 11/19/2011 05:44:05 AM

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	05:45:13	68%	0.092	166.800	0.000	58670.000	34580.000	34640.000	34560.000	102.700
2	05:46:21	69%	0.227	163.600	0.000	58260.000	34420.000	34390.000	34330.000	104.400
3	05:47:29	68%	0.133	163.900	0.000	59030.000	34850.000	34800.000	34740.000	106.400
x		68%	0.151	164.800	0.000	58650.000	34620.000	34610.000	34540.000	104.500
σ		1%	0.069	1.792	0.000	386.900	217.200	209.700	204.700	1.832
%RSD		1	45.880	1.087	0.000	0.660	0.627	0.606	0.593	1.753

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:45:13	18210.000	188.600	0.000	0.000	11570.000	41020.000	42190.000	66%	2.915
2	05:46:21	18140.000	188.400	0.000	0.000	11590.000	40630.000	41860.000	66%	2.402
3	05:47:29	18500.000	191.800	0.000	0.000	11740.000	40740.000	42200.000	65%	3.015
x		18280.000	189.600	0.000	0.000	11630.000	40790.000	42080.000	66%	2.777
σ		192.900	1.897	0.000	0.000	91.890	200.200	197.600	0%	0.329
%RSD		1.055	1.001	0.000	0.000	0.790	0.491	0.469	0	11.840

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:45:13	0.889	2.433	164.600	50130.000	1127.000	49630.000	50350.000	11.250	15.390
2	05:46:21	1.131	2.363	146.300	49840.000	1144.000	50040.000	50050.000	11.240	15.310
3	05:47:29	-0.735	2.279	135.700	50060.000	1139.000	49990.000	50430.000	11.190	15.670
x		0.429	2.358	148.900	50010.000	1137.000	49890.000	50280.000	11.230	15.460
σ		1.014	0.077	14.590	148.700	8.489	222.800	200.700	0.032	0.190
%RSD		236.700	3.279	9.800	0.297	0.747	0.447	0.399	0.281	1.231

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:45:13	2.167	2.029	33.090	5.613	0.117	1.745	-1.212	0.117	2.136
2	05:46:21	2.207	2.120	33.060	5.849	-0.028	1.452	-1.439	-0.028	2.332
3	05:47:29	2.234	2.294	34.000	5.995	0.223	1.267	-1.963	0.222	1.605
x		2.203	2.148	33.380	5.819	0.104	1.488	-1.538	0.103	2.024
σ		0.034	0.135	0.534	0.193	0.126	0.241	0.385	0.126	0.376
%RSD		1.521	6.270	1.598	3.312	121.400	16.210	25.030	121.500	18.570

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:45:13	2.073	0.339	0.473	0.340	0.275	0.002	67%	-0.546	0.009
2	05:46:21	1.980	0.321	0.491	0.349	0.323	0.002	66%	-0.376	0.010
3	05:47:29	1.960	0.302	0.542	0.317	0.328	0.006	67%	0.036	0.008
x		2.004	0.321	0.502	0.335	0.309	0.003	67%	-0.296	0.009
σ		0.060	0.018	0.035	0.016	0.029	0.002	0%	0.299	0.001
%RSD		2.987	5.698	7.062	4.795	9.408	66.720	0	101.300	7.697

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:45:13	0.317	-0.577	0.011	-0.001	0.398	1.673	232.100	235.500	80%
2	05:46:21	0.257	-0.408	0.016	0.001	0.402	1.656	229.500	237.400	80%
3	05:47:29	0.055	0.000	0.009	0.029	0.411	1.665	231.000	233.600	81%
x		0.209	-0.328	0.012	0.010	0.404	1.665	230.800	235.500	80%
σ		0.137	0.297	0.003	0.017	0.007	0.008	1.304	1.908	1%
%RSD		65.460	90.440	28.050	170.000	1.651	0.485	0.565	0.810	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:45:13	81%	0.033	0.024	3.308	3.008	3.155	87%	0.116
2	05:46:21	82%	0.031	0.030	3.326	3.107	3.175	87%	0.104
3	05:47:29	83%	0.024	0.024	3.327	2.995	3.177	88%	0.113
x		82%	0.029	0.026	3.320	3.037	3.169	87%	0.111
σ		1%	0.005	0.004	0.011	0.061	0.012	1%	0.006
%RSD		1	16.360	13.970	0.327	2.022	0.391	1	5.376

C4481-02 MB9TA7 11/19/2011 05:52:00 AM

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	05:53:08	82%	44.260	240.000	0.000	52110.000	66930.000	66320.000	66030.000	153000.000
2	05:54:16	82%	45.440	246.500	0.000	52540.000	68060.000	67470.000	67090.000	155100.000
3	05:55:24	84%	44.370	244.900	0.000	51920.000	67380.000	66570.000	66220.000	153300.000
x		83%	44.690	243.800	0.000	52190.000	67460.000	66790.000	66450.000	153800.000
σ		1%	0.651	3.426	0.000	313.800	570.400	603.900	564.700	1115.000
%RSD		1	1.458	1.405	0.000	0.601	0.846	0.904	0.850	0.725

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:53:08	96960.000	35310.000	0.000	0.000	21550.000	108900.000	111100.000	87%	925.800
2	05:54:16	98620.000	35690.000	0.000	0.000	21870.000	110000.000	112300.000	86%	934.500
3	05:55:24	97660.000	35050.000	0.000	0.000	21520.000	108400.000	110600.000	87%	922.800
x		97750.000	35350.000	0.000	0.000	21650.000	109100.000	111300.000	87%	927.700
σ		832.200	324.900	0.000	0.000	195.000	813.700	832.400	1%	6.031
%RSD		0.851	0.919	0.000	0.000	0.901	0.746	0.748	1	0.650

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:53:08	662.300	303.500	301.800	725600.000	4288.000	681100.000	743300.000	269.300	899.300
2	05:54:16	681.700	309.500	364.800	736900.000	4358.000	689900.000	753100.000	273.000	915.300
3	05:55:24	682.600	304.700	434.200	732100.000	4299.000	683700.000	751500.000	271.800	903.900
x		675.600	305.900	366.900	731500.000	4315.000	684900.000	749300.000	271.300	906.200
σ		11.470	3.165	66.230	5663.000	37.830	4557.000	5255.000	1.888	8.216
%RSD		1.698	1.035	18.050	0.774	0.877	0.665	0.701	0.696	0.907

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:53:08	584.200	589.700	6827.000	186.100	11.410	3.679	7.525	11.660	11.000
2	05:54:16	597.400	605.800	6944.000	187.600	10.950	4.490	7.622	11.190	13.180
3	05:55:24	587.600	591.100	6856.000	185.400	11.370	4.802	7.416	11.620	13.450
x		589.700	595.500	6875.000	186.400	11.240	4.324	7.521	11.490	12.540
σ		6.867	8.918	60.820	1.137	0.253	0.579	0.103	0.258	1.343
%RSD		1.164	1.498	0.884	0.610	2.254	13.400	1.372	2.242	10.710

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:53:08	60.070	12.960	17.740	12.760	13.200	0.018	65%	80.990	4.341
2	05:54:16	61.230	13.030	17.780	13.510	13.170	0.021	65%	81.220	4.467
3	05:55:24	60.020	13.110	17.670	12.540	13.310	0.019	65%	81.640	4.364
x		60.440	13.030	17.730	12.940	13.230	0.019	65%	81.280	4.391
σ		0.688	0.075	0.057	0.504	0.074	0.002	0%	0.326	0.067
%RSD		1.138	0.575	0.322	3.896	0.562	8.510	1	0.402	1.531

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:53:08	-4.099	80.220	4.293	54.470	40.700	30.080	5281.000	5398.000	88%
2	05:54:16	-5.165	80.440	4.439	54.390	41.580	30.350	5499.000	5471.000	88%
3	05:55:24	-4.918	80.890	4.339	54.820	40.790	29.850	5310.000	5421.000	88%
x		-4.727	80.520	4.357	54.560	41.020	30.090	5363.000	5430.000	88%
σ		0.558	0.339	0.075	0.232	0.486	0.252	118.600	37.730	0%
%RSD		11.800	0.421	1.713	0.426	1.185	0.839	2.211	0.695	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	05:53:08	89%	2.138	2.194	2767.000	2502.000	2633.000	86%	21.260
2	05:54:16	89%	2.196	2.169	2778.000	2526.000	2650.000	85%	21.500
3	05:55:24	89%	2.176	2.170	2767.000	2508.000	2645.000	85%	21.390
x		89%	2.170	2.178	2771.000	2512.000	2643.000	85%	21.380
σ		0%	0.029	0.014	5.851	12.490	8.543	0%	0.117
%RSD		0	1.356	0.654	0.211	0.497	0.323	0	0.549

Reviewed By jasmal
on 11/21/2011
12:38:07 PM
lost id #8

C4481-02X25 MB9TA7 11/19/2011 05:59:55 AM

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	06:01:03	64%	2.169	12.740	0.000	2803.000	3314.000	3190.000	3203.000	7584.000
2	06:02:11	65%	2.315	14.500	0.000	2778.000	3277.000	3143.000	3161.000	7506.000
3	06:03:19	65%	2.248	14.260	0.000	2786.000	3277.000	3161.000	3156.000	7508.000
x		65%	2.244	13.840	0.000	2789.000	3289.000	3165.000	3173.000	7533.000
σ		1%	0.073	0.953	0.000	12.480	21.520	23.550	26.110	44.230
%RSD		1	3.245	6.888	0.000	0.447	0.654	0.744	0.823	0.587
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:01:03	5020.000	1708.000	0.000	0.000	1219.000	5704.000	5604.000	63%	48.110
2	06:02:11	4918.000	1694.000	0.000	0.000	1212.000	5516.000	5556.000	64%	47.320
3	06:03:19	4946.000	1685.000	0.000	0.000	1207.000	5668.000	5530.000	64%	47.480
x		4961.000	1696.000	0.000	0.000	1213.000	5629.000	5563.000	64%	47.640
σ		52.750	11.570	0.000	0.000	5.930	99.520	37.470	1%	0.416
%RSD		1.063	0.682	0.000	0.000	0.489	1.768	0.673	1	0.873
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:01:03	30.560	16.310	161.200	37570.000	213.700	37680.000	37930.000	13.470	45.660
2	06:02:11	29.290	16.000	153.800	37270.000	211.200	37260.000	37390.000	13.360	45.160
3	06:03:19	30.470	15.540	145.800	36780.000	210.700	37110.000	37160.000	13.280	45.490
x		30.110	15.950	153.600	37210.000	211.900	37350.000	37500.000	13.370	45.430
σ		0.707	0.385	7.716	398.200	1.584	298.200	396.900	0.099	0.254
%RSD		2.349	2.415	5.022	1.070	0.748	0.798	1.058	0.737	0.560
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:01:03	29.260	29.370	358.600	7.961	0.176	0.996	-1.346	0.174	2.194
2	06:02:11	29.010	29.220	353.200	7.629	0.334	1.009	-2.308	0.331	2.051
3	06:03:19	29.340	28.820	350.900	7.648	0.012	0.964	-1.324	0.011	3.509
x		29.200	29.140	354.200	7.746	0.174	0.989	-1.659	0.172	2.585
σ		0.174	0.286	3.995	0.187	0.161	0.023	0.562	0.160	0.803
%RSD		0.598	0.983	1.128	2.411	92.490	2.338	33.860	92.840	31.080
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:01:03	2.541	0.492	0.756	0.532	0.599	0.010	67%	1.462	0.202
2	06:02:11	2.494	0.558	0.748	0.599	0.543	0.006	67%	1.874	0.180
3	06:03:19	2.427	0.496	0.760	0.593	0.557	0.004	67%	2.079	0.216
x		2.487	0.515	0.755	0.575	0.567	0.007	67%	1.805	0.199
σ		0.057	0.037	0.006	0.037	0.029	0.003	0%	0.315	0.018
%RSD		2.298	7.122	0.771	6.511	5.151	45.630	0	17.420	9.126
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:01:03	0.689	1.419	0.198	2.180	1.710	1.295	228.800	229.700	80%
2	06:02:11	0.397	1.828	0.218	2.235	1.657	1.266	223.700	226.300	81%
3	06:03:19	0.193	2.030	0.175	2.207	1.667	1.290	222.900	229.300	82%
x		0.426	1.759	0.197	2.207	1.678	1.284	225.100	228.500	81%
σ		0.250	0.311	0.022	0.027	0.028	0.015	3.200	1.848	1%
%RSD		58.550	17.680	11.010	1.231	1.661	1.192	1.421	0.809	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	06:01:03	82%	0.130	0.114	116.500	104.400	109.600	90%	0.874	
2	06:02:11	83%	0.109	0.110	114.200	103.200	108.300	91%	0.875	
3	06:03:19	84%	0.116	0.111	114.900	102.400	108.100	91%	0.859	
x		83%	0.118	0.112	115.200	103.400	108.700	91%	0.869	
σ		1%	0.011	0.002	1.200	1.017	0.783	1%	0.009	
%RSD		1	8.913	1.660	1.042	0.984	0.721	1	1.033	

Reviewed By: laswal
on 11/21/2011
12:38:57 PM
Instid: P6

C4481-02X50 MB9TA7 11/19/2011 06:07:51 AM

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	06:08:59	66%	1.023	9.291	0.000	1555.000	1641.000	1584.000	1591.000	3829.000
2	06:10:07	67%	1.005	8.491	0.000	1551.000	1618.000	1559.000	1578.000	3792.000
3	06:11:15	67%	1.055	7.576	0.000	1546.000	1636.000	1576.000	1580.000	3790.000
x		67%	1.028	8.453	0.000	1551.000	1632.000	1573.000	1583.000	3804.000
σ		1%	0.025	0.858	0.000	4.595	12.220	12.560	6.906	22.170
%RSD		1	2.456	10.150	0.000	0.296	0.749	0.799	0.436	0.583

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:08:59	2478.000	836.700	0.000	0.000	624.000	2826.000	2763.000	65%	23.510
2	06:10:07	2471.000	841.800	0.000	0.000	630.400	2793.000	2774.000	65%	23.030
3	06:11:15	2490.000	855.600	0.000	0.000	633.200	2765.000	2781.000	65%	24.400
x		2480.000	844.700	0.000	0.000	629.200	2795.000	2772.000	65%	23.640
σ		9.773	9.794	0.000	0.000	4.733	30.620	8.846	0%	0.692
%RSD		0.394	1.159	0.000	0.000	0.752	1.096	0.319	0	2.925

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:08:59	13.430	8.079	120.000	18770.000	106.000	18720.000	18570.000	6.580	22.730
2	06:10:07	15.050	8.227	115.400	18780.000	105.700	18750.000	18650.000	6.706	22.310
3	06:11:15	14.180	8.212	111.700	18740.000	106.500	18790.000	18820.000	6.830	23.000
x		14.220	8.173	115.700	18760.000	106.000	18750.000	18680.000	6.706	22.680
σ		0.812	0.082	4.181	17.990	0.400	34.460	127.300	0.125	0.344
%RSD		5.709	1.000	3.613	0.096	0.377	0.184	0.682	1.860	1.515

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:08:59	14.600	14.420	177.500	4.187	0.218	0.736	-1.735	0.216	0.680
2	06:10:07	14.470	14.190	175.700	3.475	-0.161	0.793	-1.652	-0.161	2.941
3	06:11:15	14.880	14.770	177.500	4.043	-0.174	0.720	-2.042	-0.173	2.289
x		14.650	14.460	176.900	3.901	-0.039	0.750	-1.810	-0.039	1.970
σ		0.209	0.291	1.014	0.377	0.223	0.039	0.205	0.221	1.163
%RSD		1.425	2.015	0.573	9.654	571.100	5.161	11.340	559.500	59.050

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:08:59	1.246	0.266	0.375	0.329	0.276	0.009	69%	0.651	0.101
2	06:10:07	1.271	0.291	0.360	0.299	0.315	0.004	69%	0.500	0.108
3	06:11:15	1.141	0.284	0.397	0.373	0.310	0.003	69%	0.235	0.116
x		1.219	0.280	0.377	0.334	0.300	0.005	69%	0.462	0.108
σ		0.069	0.013	0.018	0.037	0.021	0.003	0%	0.211	0.007
%RSD		5.656	4.689	4.867	11.180	7.054	59.680	0	45.610	6.769

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:08:59	0.290	0.616	0.107	1.003	0.791	0.617	112.000	113.800	82%
2	06:10:07	0.497	0.462	0.103	1.029	0.843	0.625	111.700	112.800	84%
3	06:11:15	0.568	0.201	0.107	0.996	0.849	0.632	112.700	114.100	83%
x		0.452	0.426	0.106	1.009	0.828	0.625	112.100	113.600	83%
σ		0.144	0.210	0.002	0.017	0.032	0.007	0.498	0.647	1%
%RSD		31.950	49.290	2.092	1.727	3.826	1.197	0.444	0.570	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:08:59	84%	0.057	0.067	56.420	51.310	53.760	92%	0.430
2	06:10:07	85%	0.073	0.070	56.570	50.320	53.390	94%	0.430
3	06:11:15	85%	0.068	0.075	57.560	51.600	54.020	92%	0.439
x		84%	0.066	0.070	56.850	51.080	53.720	93%	0.433
σ		1%	0.008	0.004	0.619	0.670	0.316	1%	0.005
%RSD		1	12.280	5.916	1.089	1.313	0.587	1	1.229

Reviewed By jaswal1
On 11/21/2011
12:38:57 PM
Inst id: P6

C4463-01 MH3BA0 11/19/2011 06:15:47 AM

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	06:16:55	68%	0.183	12.910	0.000	1394.000	37.190	36.180	35.920	27.790
2	06:18:03	67%	0.104	11.680	0.000	1389.000	32.450	30.690	31.230	23.720
3	06:19:11	67%	0.089	14.820	0.000	1398.000	30.530	32.000	29.030	21.960
x		67%	0.125	13.130	0.000	1394.000	33.390	32.960	32.060	24.490
σ		0%	0.050	1.581	0.000	4.566	3.426	2.866	3.523	2.989
%RSD		1	40.280	12.030	0.000	0.328	10.260	8.694	10.990	12.200

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:16:55	93.960	-1.040	0.000	0.000	99.450	116.100	128.700	65%	0.284
2	06:18:03	93.970	-1.304	0.000	0.000	92.040	120.700	123.700	65%	0.043
3	06:19:11	89.750	-1.213	0.000	0.000	93.770	117.800	123.900	65%	0.240
x		92.560	-1.186	0.000	0.000	95.090	118.200	125.400	65%	0.189
σ		2.430	0.135	0.000	0.000	3.876	2.329	2.850	0%	0.129
%RSD		2.626	11.340	0.000	0.000	4.076	1.971	2.272	0	67.990

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:16:55	-0.289	0.342	92.840	47.520	1.160	65.160	57.210	0.043	1.920
2	06:18:03	-1.209	0.412	89.210	27.480	0.965	45.830	40.300	0.029	1.805
3	06:19:11	-0.464	0.478	86.140	19.810	0.900	37.580	32.730	0.019	2.024
x		-0.654	0.411	89.400	31.600	1.009	49.520	43.410	0.030	1.916
σ		0.488	0.069	3.353	14.310	0.135	14.150	12.530	0.012	0.110
%RSD		74.700	16.680	3.751	45.270	13.420	28.580	28.870	40.360	5.718

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:16:55	0.593	0.623	3.204	-0.117	-0.382	0.604	-1.873	-0.379	2.331
2	06:18:03	0.513	0.551	2.921	-0.244	-0.238	0.612	-1.481	-0.237	1.699
3	06:19:11	0.531	0.562	2.916	-0.165	-0.432	0.592	-1.468	-0.429	2.457
x		0.546	0.579	3.014	-0.175	-0.350	0.603	-1.607	-0.348	2.162
σ		0.042	0.039	0.165	0.064	0.101	0.010	0.230	0.100	0.406
%RSD		7.681	6.707	5.464	36.470	28.690	1.707	14.290	28.600	18.770

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:16:55	0.104	0.078	0.051	0.106	0.085	0.006	70%	-1.200	0.007
2	06:18:03	0.054	0.055	0.047	0.118	0.033	0.004	70%	-1.847	0.005
3	06:19:11	0.071	0.042	0.031	0.088	0.031	0.003	70%	-0.680	0.001
x		0.076	0.058	0.043	0.104	0.049	0.004	70%	-1.242	0.004
σ		0.025	0.018	0.011	0.015	0.031	0.001	0%	0.585	0.003
%RSD		33.140	31.790	24.640	14.880	62.740	35.150	0	47.050	66.360

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:16:55	0.560	-1.225	0.006	-0.078	0.072	0.025	2.296	2.435	83%
2	06:18:03	0.852	-1.869	0.009	-0.116	0.051	0.027	2.411	2.311	83%
3	06:19:11	0.311	-0.709	0.006	-0.038	0.063	0.023	2.115	2.295	83%
x		0.574	-1.268	0.007	-0.077	0.062	0.025	2.274	2.347	83%
σ		0.271	0.581	0.001	0.039	0.011	0.002	0.149	0.077	0%
%RSD		47.130	45.850	17.670	50.240	17.080	7.198	6.576	3.283	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:16:55	85%	0.035	0.033	0.391	0.385	0.406	93%	0.023
2	06:18:03	85%	0.011	0.025	0.342	0.322	0.325	92%	0.016
3	06:19:11	86%	0.022	0.017	0.308	0.240	0.285	93%	0.013
x		85%	0.022	0.025	0.347	0.316	0.339	93%	0.017
σ		0%	0.012	0.008	0.042	0.073	0.061	0%	0.005
%RSD		1	52.450	32.540	11.970	22.960	18.150	0	28.140

Reviewed By/Initial
Date 11/21/2011
12:36:57 PM
Inst Id: PB

C4463-13 MH3B94 11/19/2011 06:23:43 AM

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	06:24:51	71%	0.194	28.210	0.000	42130.000	26700.000	26580.000	26420.000	28.370
2	06:25:59	71%	0.096	30.940	0.000	42330.000	26810.000	26990.000	26840.000	28.720
3	06:27:07	72%	0.105	26.990	0.000	42240.000	26760.000	26640.000	26600.000	27.950
x		71%	0.132	28.710	0.000	42230.000	26760.000	26740.000	26620.000	28.350
σ		1%	0.054	2.023	0.000	99.320	57.410	224.000	210.500	0.387
%RSD		1	40.810	7.045	0.000	0.235	0.215	0.838	0.791	1.364
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:24:51	9802.000	14.820	0.000	0.000	2175.000	72500.000	74400.000	71%	0.726
2	06:25:59	9985.000	15.150	0.000	0.000	2201.000	73900.000	75610.000	70%	0.405
3	06:27:07	9869.000	18.340	0.000	0.000	2193.000	74230.000	75920.000	70%	0.837
x		9885.000	16.110	0.000	0.000	2190.000	73540.000	75310.000	70%	0.656
σ		92.490	1.943	0.000	0.000	13.580	917.500	798.800	0%	0.225
%RSD		0.936	12.060	0.000	0.000	0.620	1.247	1.061	1	34.240
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:24:51	-0.048	0.302	71.260	694.600	8.379	729.300	784.300	0.099	0.614
2	06:25:59	-0.366	0.365	67.980	709.000	8.712	736.500	791.900	0.099	0.640
3	06:27:07	0.149	0.355	65.000	709.900	8.614	739.900	792.700	0.107	0.556
x		-0.088	0.341	68.080	704.500	8.568	735.200	789.600	0.102	0.603
σ		0.260	0.034	3.135	8.574	0.171	5.395	4.662	0.004	0.043
%RSD		293.700	9.995	4.605	1.217	1.996	0.734	0.591	4.351	7.103
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:24:51	0.839	0.830	7.252	1.327	-0.027	0.471	-1.719	-0.027	2.022
2	06:25:59	0.909	0.765	7.374	0.938	-0.540	0.480	-0.719	-0.537	2.873
3	06:27:07	0.913	0.801	6.951	1.372	-0.320	0.419	-1.110	-0.318	2.444
x		0.887	0.799	7.192	1.212	-0.295	0.457	-1.183	-0.294	2.446
σ		0.042	0.032	0.218	0.239	0.258	0.033	0.504	0.256	0.426
%RSD		4.688	4.035	3.029	19.710	87.170	7.170	42.620	87.040	17.410
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:24:51	0.056	0.087	0.085	0.124	0.073	0.004	73%	-0.595	0.003
2	06:25:59	0.061	0.082	0.079	0.129	0.065	0.006	73%	-0.847	0.005
3	06:27:07	0.113	0.065	0.087	0.148	0.066	0.006	73%	-0.664	0.006
x		0.076	0.078	0.084	0.134	0.068	0.005	73%	-0.702	0.004
σ		0.031	0.012	0.004	0.013	0.004	0.002	0%	0.130	0.001
%RSD		41.000	14.890	5.089	9.492	6.205	28.600	0	18.560	29.700
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:24:51	0.272	-0.624	0.007	-0.046	0.078	0.067	156.800	159.700	87%
2	06:25:59	0.415	-0.875	0.002	-0.072	0.065	0.073	156.400	160.600	87%
3	06:27:07	0.332	-0.692	0.006	-0.051	0.073	0.080	156.000	160.500	87%
x		0.340	-0.730	0.005	-0.056	0.072	0.073	156.400	160.300	87%
σ		0.072	0.130	0.002	0.014	0.007	0.007	0.431	0.529	0%
%RSD		21.170	17.780	46.870	24.470	9.231	9.117	0.275	0.330	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	06:24:51	88%	0.028	0.017	0.371	0.328	0.334	94%	1.867	
2	06:25:59	89%	0.019	0.021	0.366	0.332	0.346	93%	1.917	
3	06:27:07	89%	0.017	0.020	0.359	0.319	0.338	94%	1.944	
x		89%	0.021	0.019	0.365	0.326	0.339	94%	1.909	
σ		0%	0.006	0.002	0.006	0.006	0.006	0%	0.039	
%RSD		1	27.980	8.772	1.636	1.972	1.870	0	2.048	

C4463-01X25 MH3BA0 11/19/2011 05:31:40 AM

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	06:32:48	72%	0.100	1.842	0.000	292.000	9.044	8.770	9.248	11.580
2	06:33:56	73%	0.125	1.728	0.000	298.400	11.230	10.430	11.150	11.970
3	06:35:04	72%	0.203	2.820	0.000	313.800	17.210	16.400	16.500	12.720
x		72%	0.143	2.130	0.000	301.400	12.500	11.870	12.300	12.090
σ		0%	0.054	0.601	0.000	11.240	4.229	4.013	3.757	0.577
%RSD		0	37.630	28.200	0.000	3.731	33.840	33.820	30.550	4.769

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:32:48	14.640	-2.452	0.000	0.000	43.850	19.140	34.280	70%	-0.016
2	06:33:56	15.290	-3.099	0.000	0.000	47.690	32.630	37.540	70%	0.064
3	06:35:04	17.950	1.936	0.000	0.000	48.760	56.340	54.530	70%	-0.194
x		15.960	-1.205	0.000	0.000	46.770	36.040	42.110	70%	-0.049
σ		1.757	2.739	0.000	0.000	2.578	18.830	10.870	0%	0.132
%RSD		11.010	227.400	0.000	0.000	5.513	52.260	25.820	0	269.400

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:32:48	-0.500	0.165	54.500	-5.102	0.284	-0.981	-1.046	0.010	0.111
2	06:33:56	-0.536	0.129	53.220	-2.399	0.292	0.330	0.041	0.006	0.059
3	06:35:04	-0.359	0.139	51.430	0.321	0.362	3.321	2.200	0.016	0.059
x		-0.465	0.144	53.050	-2.393	0.313	0.890	0.398	0.011	0.077
σ		0.094	0.019	1.546	2.711	0.043	2.205	1.653	0.005	0.030
%RSD		20.150	12.900	2.915	113.300	13.780	247.800	414.900	49.100	39.190

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:32:48	0.056	0.038	0.278	-0.131	-0.149	0.395	-1.518	-0.148	1.402
2	06:33:56	0.051	0.016	0.345	0.061	-0.173	0.364	-1.628	-0.172	1.474
3	06:35:04	0.071	0.074	0.378	-0.183	-0.667	0.374	-1.525	-0.663	2.765
x		0.059	0.043	0.334	-0.084	-0.330	0.378	-1.557	-0.328	1.880
σ		0.011	0.029	0.051	0.128	0.293	0.016	0.061	0.290	0.767
%RSD		18.050	68.530	15.350	152.200	88.840	4.155	3.943	88.600	40.790

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:32:48	-0.017	0.002	-0.014	0.034	-0.003	0.003	75%	-0.888	0.008
2	06:33:56	-0.030	0.005	-0.006	0.035	0.002	0.006	75%	-1.238	0.008
3	06:35:04	0.013	0.017	-0.013	0.047	-0.000	0.003	75%	-0.793	0.011
x		-0.011	0.008	-0.011	0.038	-0.000	0.004	75%	-0.973	0.009
σ		0.022	0.008	0.004	0.007	0.003	0.002	0%	0.234	0.002
%RSD		190.400	100.800	41.350	18.040	735.800	34.640	0	24.090	19.930

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:32:48	0.387	-0.912	0.007	-0.053	0.027	0.012	0.164	0.178	87%
2	06:33:56	0.589	-1.262	0.018	-0.101	0.035	0.013	0.200	0.211	88%
3	06:35:04	0.389	-0.819	0.009	-0.044	0.048	0.018	0.291	0.269	88%
x		0.455	-0.998	0.011	-0.066	0.037	0.014	0.218	0.219	87%
σ		0.116	0.234	0.006	0.030	0.011	0.004	0.066	0.046	1%
%RSD		25.550	23.450	51.830	46.180	29.010	25.120	30.000	20.890	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:32:48	90%	0.016	0.017	0.045	0.035	0.042	96%	0.006
2	06:33:56	89%	0.016	0.017	0.044	0.052	0.046	97%	0.007
3	06:35:04	90%	0.025	0.024	0.061	0.054	0.062	98%	0.009
x		90%	0.019	0.019	0.050	0.047	0.050	97%	0.007
σ		0%	0.005	0.004	0.010	0.011	0.011	1%	0.001
%RSD		0	28.010	22.990	19.510	22.780	21.870	1	16.170

Reviewed By: aswat
On: 11/21/2011
12:38:57 PM
Inst Id: P6

CCV62 11/19/2011 06:39:35 AM

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	06:40:43	70%	490.500	478.000	0.000	50040.000	50970.000	50350.000	50510.000	9964.000
2	06:41:51	71%	481.500	490.000	0.000	49660.000	50270.000	49680.000	49940.000	9855.000
3	06:43:00	71%	482.600	497.100	0.000	49700.000	50500.000	50100.000	49950.000	9843.000
x		71%	484.900	488.400	0.000	49800.000	50580.000	50040.000	50130.000	9887.000
σ		1%	4.937	9.650	0.000	208.900	355.300	338.400	328.900	66.990
%RSD		1	1.018	1.976	0.000	0.419	0.703	0.676	0.656	0.677

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:40:43	486.600	9169.000	0.000	0.000	24990.000	50460.000	51830.000	68%	491.600
2	06:41:51	481.100	9102.000	0.000	0.000	24760.000	49680.000	51450.000	69%	488.400
3	06:43:00	482.300	9120.000	0.000	0.000	24790.000	49860.000	51210.000	69%	488.300
x		483.300	9130.000	0.000	0.000	24850.000	50000.000	51500.000	69%	489.400
σ		2.913	34.910	0.000	0.000	124.700	407.700	308.900	1%	1.879
%RSD		0.603	0.382	0.000	0.000	0.502	0.816	0.600	1	0.384

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:40:43	488.900	492.300	41.380	25770.000	1052.000	25770.000	25930.000	481.800	476.600
2	06:41:51	487.200	491.900	40.980	25830.000	1052.000	25840.000	25670.000	484.100	478.100
3	06:43:00	482.800	485.300	37.340	25680.000	1040.000	25540.000	25650.000	480.500	471.200
x		486.300	489.900	39.900	25760.000	1048.000	25720.000	25750.000	482.100	475.300
σ		3.150	3.917	2.225	75.920	6.865	152.800	158.900	1.834	3.649
%RSD		0.648	0.800	5.575	0.295	0.655	0.594	0.617	0.381	0.768

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:40:43	961.900	955.400	1011.000	482.400	496.700	-0.126	496.000	493.200	2.923
2	06:41:51	956.200	953.200	1011.000	485.300	506.800	-0.462	493.400	503.900	0.602
3	06:43:00	954.800	947.200	1009.000	479.800	492.200	0.080	490.600	489.200	0.908
x		957.600	951.900	1010.000	482.500	498.600	-0.169	493.300	495.400	1.478
σ		3.768	4.236	1.499	2.735	7.497	0.274	2.688	7.616	1.261
%RSD		0.394	0.445	0.148	0.567	1.504	161.700	0.545	1.537	85.320

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:40:43	494.100	498.100	495.800	495.400	498.400	0.002	72%	522.100	524.900
2	06:41:51	497.700	498.700	501.700	501.300	501.700	0.006	71%	529.400	530.500
3	06:43:00	496.200	494.900	493.100	494.200	497.600	0.005	72%	523.000	528.700
x		496.000	497.200	496.900	496.900	499.200	0.005	72%	524.800	528.000
σ		1.807	2.022	4.413	3.825	2.204	0.002	0%	3.999	2.860
%RSD		0.364	0.407	0.888	0.770	0.442	52.550	0	0.762	0.542

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:40:43	7.983	519.400	524.200	520.700	514.700	516.200	2449.000	2504.000	85%
2	06:41:51	5.633	526.500	531.100	520.900	520.800	521.300	2477.000	2507.000	86%
3	06:43:00	5.839	520.000	525.100	521.500	515.400	512.600	2450.000	2488.000	87%
x		6.485	522.000	526.800	521.100	517.000	516.700	2458.000	2500.000	86%
σ		1.302	3.928	3.757	0.395	3.348	4.359	16.070	10.350	1%
%RSD		20.070	0.753	0.713	0.076	0.647	0.844	0.654	0.414	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:40:43	87%	498.900	509.300	502.700	498.100	504.500	93%	532.800
2	06:41:51	88%	502.500	507.400	503.800	504.200	511.000	92%	533.900
3	06:43:00	88%	495.100	503.800	495.300	496.500	502.400	94%	525.300
x		88%	498.800	506.800	500.600	499.600	506.000	93%	530.600
σ		1%	3.719	2.811	4.632	4.076	4.474	1%	4.699
%RSD		1	0.746	0.555	0.925	0.816	0.884	1	0.885

CCB62 11/19/2011 06:47:30 AM

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	06:48:38	72%	0.229	5.993	0.000	224.800	3.188	2.185	2.605	9.227
2	06:49:46	72%	0.123	4.593	0.000	226.800	3.295	2.929	2.859	10.130
3	06:50:54	73%	0.015	5.527	0.000	222.800	2.385	1.786	2.546	9.483
x		72%	0.122	5.371	0.000	224.800	2.956	2.300	2.670	9.613
σ		0%	0.107	0.713	0.000	2.022	0.497	0.580	0.167	0.464
%RSD		1	87.410	13.280	0.000	0.899	16.820	25.200	6.247	4.831
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:48:38	6.356	1.110	0.000	0.000	41.540	3.086	10.080	69%	0.010
2	06:49:46	5.808	2.213	0.000	0.000	43.080	6.737	10.570	69%	-0.077
3	06:50:54	5.817	1.240	0.000	0.000	42.410	1.677	10.390	69%	-0.131
x		5.994	1.521	0.000	0.000	42.340	3.834	10.350	69%	-0.066
σ		0.314	0.603	0.000	0.000	0.773	2.612	0.246	0%	0.071
%RSD		5.233	39.650	0.000	0.000	1.825	68.120	2.380	0	108.100
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:48:38	-0.180	0.013	32.700	-3.475	0.140	-13.300	-2.720	0.028	0.067
2	06:49:46	-0.310	0.032	32.190	-4.324	0.140	-13.110	-0.580	0.017	0.085
3	06:50:54	0.130	0.055	31.090	-5.954	0.074	-13.620	-2.074	0.019	0.021
x		-0.120	0.033	32.000	-4.585	0.118	-13.340	-1.791	0.021	0.058
σ		0.226	0.021	0.822	1.260	0.038	0.255	1.098	0.006	0.033
%RSD		188.900	61.990	2.568	27.480	32.160	1.909	61.290	27.690	56.780
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:48:38	0.087	0.022	0.167	0.057	-0.026	0.244	-0.963	-0.026	0.120
2	06:49:46	0.091	0.096	0.178	0.318	-0.197	0.217	-1.076	-0.197	1.642
3	06:50:54	0.061	0.067	0.134	-0.089	-0.185	0.267	-1.556	-0.184	1.388
x		0.080	0.062	0.160	0.095	-0.136	0.243	-1.198	-0.135	1.050
σ		0.017	0.037	0.023	0.206	0.096	0.025	0.315	0.095	0.816
%RSD		20.770	60.170	14.350	216.100	70.330	10.360	26.260	69.860	77.690
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:48:38	0.198	0.257	0.275	0.288	0.255	0.004	74%	-0.297	0.033
2	06:49:46	0.149	0.233	0.196	0.180	0.185	0.002	74%	-0.770	0.025
3	06:50:54	0.089	0.173	0.122	0.197	0.131	0.004	74%	-0.662	0.015
x		0.145	0.221	0.198	0.222	0.190	0.004	74%	-0.577	0.024
σ		0.055	0.044	0.076	0.058	0.063	0.002	0%	0.248	0.009
%RSD		37.690	19.710	38.500	26.170	32.930	43.200	0	42.960	36.500
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:48:38	0.166	-0.325	0.031	0.001	0.473	0.910	0.132	0.127	86%
2	06:49:46	0.422	-0.794	0.035	-0.038	0.377	0.687	0.129	0.094	86%
3	06:50:54	0.345	-0.689	0.022	-0.045	0.295	0.516	0.099	0.077	87%
x		0.311	-0.603	0.029	-0.027	0.382	0.704	0.120	0.099	86%
σ		0.131	0.246	0.007	0.025	0.089	0.198	0.018	0.025	1%
%RSD		42.310	40.890	23.280	91.180	23.340	28.090	15.200	25.410	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	06:48:38	88%	0.087	0.085	0.055	0.040	0.046	96%	0.043	
2	06:49:46	88%	0.073	0.076	0.045	0.030	0.040	96%	0.036	
3	06:50:54	88%	0.065	0.062	0.022	0.030	0.028	95%	0.026	
x		88%	0.075	0.074	0.041	0.034	0.038	96%	0.035	
σ		0%	0.011	0.012	0.017	0.006	0.009	0%	0.008	
%RSD		0	14.570	15.480	42.190	17.030	23.780	0	24.030	

Reviewed By:aswal
On:11/21/2011
2:38:57 PM
Inst id:XP6

C4463-14 MH3B95 11/19/2011 06:55:25 AM

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	06:56:33	74%	0.146	23.430	0.000	25370.000	24350.000	24430.000	24500.000	14.080
2	06:57:41	75%	0.112	24.460	0.000	25540.000	24460.000	24290.000	24260.000	14.340
3	06:58:50	75%	0.164	25.760	0.000	25720.000	24560.000	24460.000	24420.000	13.820
x		75%	0.141	24.550	0.000	25540.000	24460.000	24390.000	24390.000	14.080
σ		0%	0.026	1.165	0.000	175.000	105.900	91.490	118.800	0.262
%RSD		1	18.650	4.745	0.000	0.685	0.433	0.375	0.487	1.859
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:56:33	9614.000	11.200	0.000	0.000	1999.000	68850.000	71080.000	72%	0.688
2	06:57:41	9574.000	10.250	0.000	0.000	2003.000	69500.000	71350.000	72%	0.544
3	06:58:50	9631.000	13.490	0.000	0.000	2003.000	68140.000	70990.000	73%	0.529
x		9606.000	11.650	0.000	0.000	2002.000	68830.000	71140.000	72%	0.587
σ		29.030	1.670	0.000	0.000	2.325	677.600	185.000	1%	0.088
%RSD		0.302	14.330	0.000	0.000	0.116	0.985	0.260	1	14.960
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:56:33	0.749	0.127	31.300	9.026	2.337	15.220	99.640	0.129	0.333
2	06:57:41	0.544	0.096	30.760	8.732	2.346	15.320	96.300	0.120	0.406
3	06:58:50	0.464	0.070	30.460	7.471	2.283	14.350	100.600	0.096	0.407
x		0.586	0.098	30.840	8.410	2.322	14.970	98.860	0.115	0.382
σ		0.147	0.028	0.426	0.826	0.034	0.534	2.268	0.017	0.043
%RSD		25.120	28.810	1.380	9.822	1.480	3.569	2.294	14.990	11.150
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:56:33	0.966	0.874	9.883	1.406	-0.185	0.222	-1.162	-0.184	0.978
2	06:57:41	0.915	0.971	9.890	1.508	0.135	0.182	-0.445	0.134	0.459
3	06:58:50	0.852	0.950	9.663	1.242	0.449	0.206	-1.103	0.446	0.510
x		0.911	0.932	9.812	1.385	0.133	0.204	-0.903	0.132	0.649
σ		0.057	0.051	0.129	0.134	0.317	0.020	0.398	0.315	0.286
%RSD		6.284	5.458	1.318	9.688	237.800	9.920	44.080	238.900	44.050
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:56:33	0.229	0.208	0.165	0.256	0.229	0.010	74%	-0.369	0.067
2	06:57:41	0.248	0.165	0.234	0.169	0.196	0.006	76%	-0.517	0.060
3	06:58:50	0.152	0.159	0.189	0.202	0.184	0.005	76%	-0.646	0.048
x		0.210	0.177	0.196	0.209	0.203	0.007	75%	-0.511	0.058
σ		0.051	0.026	0.035	0.044	0.023	0.002	1%	0.139	0.009
%RSD		24.440	14.930	18.100	21.030	11.400	34.440	1	27.110	16.030
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	06:56:33	0.213	-0.398	0.074	0.028	0.191	0.246	362.300	375.500	88%
2	06:57:41	0.307	-0.545	0.067	0.018	0.191	0.252	363.600	369.800	89%
3	06:58:50	0.336	-0.673	0.060	-0.003	0.176	0.219	361.400	366.900	90%
x		0.285	-0.538	0.067	0.015	0.186	0.239	362.400	370.700	89%
σ		0.065	0.138	0.007	0.016	0.009	0.018	1.133	4.401	1%
%RSD		22.620	25.600	10.450	107.100	4.648	7.355	0.313	1.187	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	06:56:33	90%	0.120	0.118	0.352	0.315	0.346	95%	2.292	
2	06:57:41	91%	0.117	0.114	0.351	0.335	0.337	97%	2.288	
3	06:58:50	91%	0.077	0.081	0.313	0.314	0.312	97%	2.234	
x		91%	0.105	0.104	0.339	0.321	0.332	96%	2.271	
σ		1%	0.024	0.020	0.023	0.012	0.018	1%	0.033	
%RSD		1	22.880	19.290	6.689	3.712	5.321	1	1.447	

Pa Reviewed By Iswalis
On 11/21/20
2:38:57 PM
Insi to Pa

C4463-15 MH3B96 11/19/2011 07:03:20 AM

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	07:04:28	77%	0.062	25.480	0.000	34200.000	25040.000	24950.000	24880.000	12.950
2	07:05:37	75%	0.059	25.060	0.000	35080.000	25490.000	25530.000	25400.000	13.430
3	07:06:45	78%	0.144	24.330	0.000	34500.000	25100.000	25100.000	25040.000	12.540
x		77%	0.088	24.960	0.000	34590.000	25210.000	25190.000	25110.000	12.970
σ		2%	0.048	0.582	0.000	447.500	245.900	303.900	266.700	0.448
%RSD		2	54.210	2.331	0.000	1.294	0.976	1.206	1.062	3.452

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:04:28	9593.000	18.800	0.000	0.000	2067.000	70330.000	72170.000	73%	0.273
2	07:05:37	9746.000	16.860	0.000	0.000	2069.000	70020.000	72300.000	73%	0.227
3	07:06:45	9684.000	17.040	0.000	0.000	2069.000	71370.000	73070.000	73%	0.507
x		9674.000	17.570	0.000	0.000	2069.000	70570.000	72510.000	73%	0.336
σ		77.280	1.068	0.000	0.000	1.080	709.800	488.800	0%	0.150
%RSD		0.799	6.082	0.000	0.000	0.052	1.006	0.674	0	44.660

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:04:28	1.814	0.644	28.320	1910.000	15.640	1921.000	1997.000	0.155	1.400
2	07:05:37	1.173	0.646	28.890	1911.000	15.600	1920.000	1984.000	0.167	1.428
3	07:06:45	1.713	0.659	28.190	1937.000	15.690	1929.000	2008.000	0.129	1.354
x		1.567	0.650	28.470	1920.000	15.650	1923.000	1996.000	0.150	1.394
σ		0.344	0.008	0.374	15.110	0.042	4.839	12.030	0.020	0.037
%RSD		21.990	1.251	1.312	0.787	0.269	0.252	0.603	13.090	2.650

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:04:28	1.057	1.020	21.230	1.539	-0.184	0.224	-1.111	-0.184	0.860
2	07:05:37	1.100	1.039	21.230	1.241	-0.102	0.258	-0.768	-0.102	1.885
3	07:06:45	1.074	0.969	21.150	1.302	-0.303	0.240	-1.335	-0.301	1.854
x		1.077	1.009	21.200	1.361	-0.196	0.240	-1.071	-0.196	1.533
σ		0.022	0.037	0.047	0.157	0.101	0.017	0.286	0.100	0.583
%RSD		2.010	3.627	0.223	11.550	51.380	7.133	26.660	51.230	38.040

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:04:28	0.080	0.093	0.100	0.129	0.105	0.003	75%	-0.838	0.019
2	07:05:37	0.107	0.077	0.081	0.120	0.069	0.003	76%	-0.537	0.019
3	07:06:45	0.072	0.089	0.049	0.096	0.078	0.002	75%	-0.548	0.012
x		0.086	0.086	0.076	0.115	0.084	0.003	76%	-0.641	0.017
σ		0.018	0.008	0.026	0.017	0.018	0.001	0%	0.171	0.004
%RSD		21.210	9.591	33.480	14.880	21.870	34.320	1	26.650	22.970

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:04:28	0.438	-0.866	0.022	-0.030	0.103	0.147	195.600	199.000	89%
2	07:05:37	0.272	-0.564	0.019	-0.031	0.081	0.140	194.800	198.700	89%
3	07:06:45	0.250	-0.577	0.012	-0.023	0.104	0.128	199.000	201.600	89%
x		0.320	-0.669	0.018	-0.028	0.096	0.138	196.500	199.800	89%
σ		0.103	0.171	0.005	0.004	0.013	0.010	2.213	1.577	0%
%RSD		32.050	25.510	26.800	14.650	13.550	7.041	1.126	0.789	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:04:28	91%	0.045	0.051	0.388	0.390	0.403	97%	1.972
2	07:05:37	92%	0.040	0.033	0.404	0.384	0.391	96%	1.992
3	07:06:45	91%	0.041	0.042	0.389	0.369	0.394	97%	1.979
x		91%	0.042	0.042	0.394	0.381	0.396	97%	1.981
σ		1%	0.003	0.009	0.009	0.011	0.006	0%	0.010
%RSD		1	6.983	21.460	2.218	2.890	1.515	0	0.518

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Insi1d sP6

C4463-16 MH3B97 11/19/2011 07:11:16 AM

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	07:12:24	78%	0.049	23.870	0.000	17580.000	22090.000	22110.000	22040.000	9.444
2	07:13:32	80%	0.068	23.390	0.000	17390.000	22030.000	21920.000	21980.000	9.640
3	07:14:40	79%	0.091	22.130	0.000	17600.000	22250.000	22270.000	22170.000	9.378
x		79%	0.069	23.130	0.000	17520.000	22120.000	22100.000	22060.000	9.487
σ		1%	0.021	0.894	0.000	113.900	111.700	174.600	98.140	0.136
%RSD		1	30.110	3.867	0.000	0.650	0.505	0.790	0.445	1.436

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:12:24	9563.000	17.150	0.000	0.000	1920.000	63730.000	65540.000	74%	0.520
2	07:13:32	9509.000	14.870	0.000	0.000	1905.000	63190.000	65580.000	75%	0.632
3	07:14:40	9712.000	16.060	0.000	0.000	1907.000	63650.000	65380.000	76%	0.383
x		9595.000	16.030	0.000	0.000	1911.000	63520.000	65500.000	75%	0.512
σ		105.500	1.139	0.000	0.000	8.295	291.000	101.700	1%	0.125
%RSD		1.099	7.105	0.000	0.000	0.434	0.458	0.155	1	24.430

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:12:24	0.575	0.158	24.000	39.930	1.821	45.350	128.400	0.026	0.281
2	07:13:32	0.474	0.150	23.280	40.210	1.829	45.850	127.700	0.032	0.263
3	07:14:40	1.038	0.218	22.460	37.270	1.820	45.100	125.100	0.026	0.248
x		0.696	0.175	23.250	39.140	1.823	45.430	127.000	0.028	0.264
σ		0.301	0.037	0.769	1.621	0.005	0.381	1.744	0.004	0.017
%RSD		43.220	21.350	3.307	4.142	0.274	0.839	1.373	12.880	6.331

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:12:24	0.899	0.965	40.670	1.796	0.082	0.195	-0.807	0.080	0.999
2	07:13:32	0.904	0.898	40.080	1.656	-0.081	0.196	-0.841	-0.081	1.372
3	07:14:40	0.921	0.944	40.620	1.621	-0.206	0.184	-0.814	-0.205	2.934
x		0.908	0.936	40.460	1.691	-0.068	0.192	-0.821	-0.069	1.768
σ		0.012	0.034	0.324	0.093	0.144	0.007	0.018	0.143	1.027
%RSD		1.289	3.670	0.801	5.492	210.700	3.446	2.191	209.100	58.060

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:12:24	0.166	0.162	0.155	0.155	0.142	0.002	77%	-0.724	0.012
2	07:13:32	0.102	0.162	0.136	0.140	0.138	0.005	78%	-0.558	0.011
3	07:14:40	0.115	0.187	0.145	0.180	0.140	0.001	79%	-0.487	0.006
x		0.128	0.170	0.145	0.158	0.140	0.003	78%	-0.590	0.009
σ		0.033	0.014	0.009	0.021	0.002	0.002	1%	0.122	0.003
%RSD		26.220	8.461	6.497	13.090	1.433	76.620	1	20.610	34.780

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:12:24	0.328	-0.750	0.008	-0.018	0.086	0.110	537.100	547.000	91%
2	07:13:32	0.267	-0.585	0.009	-0.013	0.064	0.100	540.200	546.600	92%
3	07:14:40	0.234	-0.513	0.005	-0.018	0.065	0.104	536.900	545.900	92%
x		0.277	-0.616	0.007	-0.017	0.072	0.105	538.100	546.500	91%
σ		0.048	0.122	0.002	0.003	0.012	0.005	1.854	0.522	1%
%RSD		17.220	19.720	25.230	17.220	16.860	4.861	0.344	0.095	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:12:24	94%	0.030	0.024	0.608	0.563	0.584	98%	2.916
2	07:13:32	94%	0.026	0.023	0.589	0.603	0.578	99%	2.886
3	07:14:40	93%	0.027	0.023	0.619	0.541	0.571	99%	2.892
x		94%	0.028	0.023	0.605	0.569	0.578	99%	2.898
σ		0%	0.002	0.001	0.015	0.031	0.007	1%	0.016
%RSD		0	7.633	2.174	2.487	5.501	1.127	1	0.550

Reviewed By jaswal
On 11/21/2011
12:36:57 PM
Inst Id: P6

C4463-18 MH3B99 11/19/2011 07:19:12 AM

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	07:20:20	81%	0.097	26.430	0.000	17640.000	22250.000	22080.000	22030.000	12.700
2	07:21:28	81%	-0.024	24.640	0.000	17780.000	22340.000	22380.000	22230.000	12.650
3	07:22:36	80%	0.070	25.000	0.000	17960.000	22800.000	22830.000	22860.000	13.460
x		81%	0.048	25.360	0.000	17790.000	22460.000	22430.000	22370.000	12.940
σ		1%	0.063	0.945	0.000	160.700	299.000	375.700	429.200	0.457
%RSD		1	132.300	3.726	0.000	0.903	1.331	1.675	1.918	3.533

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:20:20	9515.000	16.880	0.000	0.000	1883.000	62940.000	65400.000	77%	0.577
2	07:21:28	9705.000	19.130	0.000	0.000	1897.000	63530.000	65640.000	78%	0.571
3	07:22:36	9837.000	19.370	0.000	0.000	1941.000	64670.000	66260.000	77%	0.318
x		9686.000	18.460	0.000	0.000	1907.000	63710.000	65770.000	77%	0.489
σ		162.000	1.374	0.000	0.000	30.160	879.300	445.700	0%	0.148
%RSD		1.673	7.441	0.000	0.000	1.582	1.380	0.678	0	30.300

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:20:20	0.769	0.138	20.280	41.420	1.884	50.540	131.000	0.026	0.235
2	07:21:28	0.960	0.090	19.420	43.830	1.811	50.530	132.200	0.031	0.259
3	07:22:36	0.584	0.185	19.620	46.050	1.882	52.130	136.700	0.028	0.250
x		0.771	0.138	19.770	43.770	1.859	51.070	133.300	0.028	0.248
σ		0.188	0.047	0.450	2.312	0.042	0.922	2.993	0.003	0.012
%RSD		24.380	34.220	2.274	5.284	2.245	1.806	2.246	9.343	4.803

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:20:20	0.876	0.930	37.510	1.558	0.185	0.188	-0.781	0.184	-0.299
2	07:21:28	0.893	0.870	38.670	1.499	-0.116	0.199	-0.574	-0.116	1.478
3	07:22:36	0.873	0.889	38.810	1.644	-0.105	0.176	-0.426	-0.105	0.754
x		0.881	0.896	38.330	1.567	-0.012	0.188	-0.594	-0.012	0.644
σ		0.011	0.031	0.714	0.073	0.171	0.011	0.178	0.170	0.894
%RSD		1.251	3.405	1.863	4.662	1445.000	6.062	30.060	1395.000	138.700

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:20:20	0.115	0.131	0.143	0.133	0.106	0.001	80%	0.211	0.007
2	07:21:28	0.122	0.116	0.120	0.144	0.112	0.003	80%	-0.603	-0.001
3	07:22:36	0.169	0.135	0.123	0.184	0.114	0.002	79%	-0.690	0.008
x		0.135	0.127	0.129	0.154	0.111	0.002	80%	-0.361	0.005
σ		0.029	0.010	0.012	0.026	0.004	0.001	0%	0.497	0.005
%RSD		21.360	7.871	9.578	17.150	4.003	67.010	0	137.700	98.020

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:20:20	-0.081	0.182	0.006	0.031	0.109	0.106	535.500	545.600	92%
2	07:21:28	0.272	-0.628	0.003	-0.023	0.142	0.083	545.700	555.600	92%
3	07:22:36	0.326	-0.715	0.004	-0.029	0.130	0.091	549.600	558.800	92%
x		0.172	-0.387	0.004	-0.007	0.127	0.093	543.600	553.300	92%
σ		0.221	0.495	0.001	0.033	0.017	0.012	7.305	6.856	0%
%RSD		128.100	127.900	34.330	489.500	13.310	12.580	1.344	1.239	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:20:20	94%	0.020	0.018	0.573	0.532	0.560	99%	2.942
2	07:21:28	94%	0.025	0.019	0.566	0.514	0.550	100%	2.924
3	07:22:36	95%	0.018	0.017	0.581	0.540	0.564	99%	3.006
x		94%	0.021	0.018	0.574	0.529	0.558	99%	2.957
σ		0%	0.004	0.001	0.007	0.014	0.007	1%	0.043
%RSD		0	17.850	5.335	1.299	2.579	1.288	1	1.463

Reviewed By laSwal
On 11/21/2011
12:38:57 PM
Inst Id :PB

C4463-05 MH3B88 11/19/2011 07:27:08 AM

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	07:28:16	77%	2.188	235.000	0.000	661900.000	154800.000	155600.000	155100.000	17440.000
2	07:29:24	78%	1.996	230.700	0.000	661700.000	152600.000	152800.000	153400.000	17350.000
3	07:30:32	77%	2.082	239.200	0.000	666500.000	154000.000	153700.000	153000.000	17400.000
x		77%	2.088	235.000	0.000	663400.000	153800.000	154000.000	153800.000	17390.000
σ		0%	0.096	4.242	0.000	2720.000	1116.000	1434.000	1075.000	42.100
%RSD		1	4.608	1.805	0.000	0.410	0.726	0.931	0.699	0.242

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:28:16	31570.000	2454.000	0.000	0.000	26100.000	248500.000	256900.000	78%	390.000
2	07:29:24	31180.000	2452.000	0.000	0.000	26080.000	248800.000	253800.000	79%	393.600
3	07:30:32	31530.000	2485.000	0.000	0.000	26200.000	250400.000	255800.000	78%	397.200
x		31430.000	2464.000	0.000	0.000	26130.000	249200.000	255500.000	78%	393.600
σ		214.500	18.440	0.000	0.000	66.690	1018.000	1558.000	0%	3.626
%RSD		0.683	0.748	0.000	0.000	0.255	0.409	0.610	0	0.921

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:28:16	40.920	78.330	76.110	68260.000	13790.000	68310.000	68630.000	34.760	49.390
2	07:29:24	39.170	77.400	83.640	68480.000	13720.000	68300.000	68530.000	34.860	49.650
3	07:30:32	40.540	78.910	85.540	68150.000	13690.000	68770.000	69170.000	34.980	49.980
x		40.210	78.220	81.760	68300.000	13740.000	68460.000	68770.000	34.870	49.670
σ		0.920	0.761	4.983	164.200	50.660	267.600	344.300	0.114	0.299
%RSD		2.287	0.973	6.094	0.240	0.369	0.391	0.501	0.328	0.602

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:28:16	177.100	174.700	117.000	40.150	1.015	1.005	-0.205	1.023	1.258
2	07:29:24	177.200	176.200	115.200	40.240	0.919	1.038	0.034	0.927	2.964
3	07:30:32	179.600	177.600	116.300	40.100	0.564	1.063	-0.602	0.569	3.501
x		178.000	176.200	116.200	40.160	0.833	1.035	-0.258	0.840	2.574
σ		1.457	1.455	0.878	0.067	0.237	0.029	0.322	0.239	1.171
%RSD		0.819	0.826	0.756	0.167	28.520	2.779	124.900	28.480	45.500

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:28:16	59.170	11.810	15.700	11.980	11.730	0.003	70%	8.358	0.567
2	07:29:24	58.290	11.900	16.090	11.530	11.890	0.005	70%	6.806	0.528
3	07:30:32	58.670	11.920	16.010	11.860	12.100	0.003	70%	8.054	0.549
x		58.710	11.880	15.930	11.790	11.910	0.003	70%	7.739	0.548
σ		0.445	0.056	0.203	0.232	0.185	0.001	0%	0.822	0.020
%RSD		0.758	0.474	1.274	1.970	1.551	31.150	0	10.620	3.592

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:28:16	-1.847	8.273	0.553	1.095	1.194	1.692	3601.000	3711.000	86%
2	07:29:24	-0.992	6.735	0.519	1.074	1.214	1.691	3649.000	3720.000	85%
3	07:30:32	-1.816	7.975	0.558	1.126	1.217	1.689	3636.000	3744.000	85%
x		-1.552	7.661	0.543	1.098	1.208	1.691	3629.000	3725.000	85%
σ		0.485	0.816	0.021	0.027	0.013	0.001	24.750	16.750	1%
%RSD		31.260	10.650	3.932	2.418	1.061	0.089	0.682	0.450	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:28:16	88%	0.574	0.582	114.000	99.490	105.700	88%	9.462
2	07:29:24	86%	0.535	0.529	115.100	99.360	106.800	87%	9.514
3	07:30:32	86%	0.512	0.517	115.000	100.100	107.200	86%	9.526
x		87%	0.540	0.543	114.700	99.640	106.600	87%	9.501
σ		1%	0.032	0.035	0.624	0.376	0.804	1%	0.034
%RSD		1	5.829	6.371	0.544	0.378	0.754	1	0.359

C4463-10 MH3B91 11/19/2011 07:35:03 AM

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	07:36:11	76%	1.220	246.900	0.000	492500.000	27240.000	27340.000	27320.000	11730.000
2	07:37:19	77%	1.095	238.900	0.000	489800.000	26890.000	27020.000	26900.000	11610.000
3	07:38:27	77%	1.132	245.800	0.000	493000.000	27070.000	27190.000	27170.000	11710.000
x		77%	1.149	243.900	0.000	491800.000	27070.000	27180.000	27130.000	11680.000
σ		1%	0.064	4.309	0.000	1715.000	173.600	159.700	212.400	63.300
%RSD		1	5.604	1.767	0.000	0.349	0.641	0.587	0.783	0.542

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:36:11	27080.000	2071.000	0.000	0.000	13310.000	53390.000	55420.000	76%	522.400
2	07:37:19	26840.000	2081.000	0.000	0.000	13140.000	52590.000	54380.000	77%	517.900
3	07:38:27	27030.000	2075.000	0.000	0.000	13270.000	52840.000	55080.000	77%	518.800
x		26980.000	2076.000	0.000	0.000	13240.000	52940.000	54960.000	76%	519.700
σ		125.800	5.061	0.000	0.000	90.100	411.700	528.700	1%	2.362
%RSD		0.466	0.244	0.000	0.000	0.680	0.778	0.962	1	0.455

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:36:11	62.590	169.500	135.900	42790.000	5707.000	42900.000	43470.000	13.760	54.140
2	07:37:19	62.070	167.500	146.500	42430.000	5635.000	42670.000	43240.000	13.750	53.770
3	07:38:27	62.310	168.800	153.400	42730.000	5678.000	42760.000	43260.000	13.800	54.250
x		62.320	168.600	145.300	42650.000	5673.000	42780.000	43320.000	13.770	54.050
σ		0.261	0.993	8.802	190.300	36.550	117.100	127.200	0.025	0.255
%RSD		0.418	0.589	6.058	0.446	0.644	0.274	0.294	0.179	0.471

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:36:11	115.300	113.400	73.720	100.800	0.077	1.408	-1.235	0.078	3.561
2	07:37:19	115.100	114.000	74.200	101.100	0.289	1.458	-0.277	0.291	2.826
3	07:38:27	115.600	113.500	73.860	101.400	0.393	1.487	-0.271	0.395	3.305
x		115.300	113.600	73.930	101.100	0.253	1.451	-0.594	0.254	3.231
σ		0.246	0.293	0.244	0.299	0.161	0.040	0.555	0.162	0.373
%RSD		0.213	0.258	0.331	0.296	63.750	2.750	93.380	63.590	11.540

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:36:11	76.690	20.100	24.900	20.470	20.140	0.008	72%	8.681	0.324
2	07:37:19	76.610	20.190	25.170	19.680	20.490	0.008	72%	7.565	0.320
3	07:38:27	77.650	20.370	25.460	20.080	20.200	0.004	72%	7.149	0.311
x		76.980	20.220	25.180	20.070	20.280	0.007	72%	7.798	0.319
σ		0.578	0.139	0.282	0.393	0.189	0.003	0%	0.792	0.007
%RSD		0.751	0.687	1.121	1.960	0.930	39.450	0	10.160	2.146

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:36:11	-1.662	8.609	0.294	0.844	1.860	1.170	1258.000	1283.000	85%
2	07:37:19	-1.485	7.498	0.285	0.829	1.847	1.239	1259.000	1286.000	85%
3	07:38:27	-1.236	7.089	0.298	0.986	1.822	1.209	1265.000	1294.000	84%
x		-1.461	7.732	0.292	0.886	1.843	1.206	1260.000	1288.000	84%
σ		0.214	0.787	0.007	0.086	0.019	0.034	3.808	5.783	0%
%RSD		14.660	10.180	2.258	9.749	1.036	2.835	0.302	0.449	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:36:11	86%	0.361	0.358	39.890	35.340	37.510	87%	3.280
2	07:37:19	86%	0.367	0.350	40.330	35.260	37.690	87%	3.230
3	07:38:27	86%	0.344	0.359	40.190	34.670	37.370	87%	3.197
x		86%	0.357	0.356	40.140	35.090	37.520	87%	3.236
σ		0%	0.012	0.005	0.227	0.366	0.164	0%	0.042
%RSD		0	3.438	1.408	0.564	1.044	0.436	0	1.290

Ravikiran Bydaswal
On:11/21/2011
12:38:57 PM
Inst Id: PB_

C4463-11 MH3B92 11/19/2011 07:42:59 AM

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	07:44:07	76%	0.250	413.800	0.000	426000.000	18650.000	18730.000	18720.000	1694.000
2	07:45:15	76%	0.289	417.600	0.000	429000.000	18890.000	18880.000	18910.000	1757.000
3	07:46:23	77%	0.236	419.100	0.000	427700.000	18720.000	18870.000	18760.000	1696.000
x		76%	0.259	416.800	0.000	427600.000	18750.000	18820.000	18800.000	1716.000
σ		1%	0.027	2.757	0.000	1527.000	123.100	83.420	97.880	35.960
%RSD		1	10.450	0.661	0.000	0.357	0.656	0.443	0.521	2.096

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:44:07	17870.000	627.200	0.000	0.000	18450.000	60810.000	63170.000	74%	92.570
2	07:45:15	18070.000	632.500	0.000	0.000	18540.000	61560.000	63460.000	74%	91.520
3	07:46:23	17840.000	622.100	0.000	0.000	18450.000	60580.000	63090.000	74%	91.380
x		17930.000	627.300	0.000	0.000	18480.000	60980.000	63240.000	74%	91.820
σ		122.500	5.198	0.000	0.000	51.320	509.900	193.900	0%	0.650
%RSD		0.683	0.829	0.000	0.000	0.278	0.836	0.307	0	0.708

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:44:07	29.860	50.130	160.700	41350.000	4439.000	41190.000	41580.000	2.486	12.520
2	07:45:15	31.760	50.180	170.000	41500.000	4469.000	41500.000	41870.000	2.444	12.490
3	07:46:23	30.640	49.520	177.300	41210.000	4443.000	41380.000	41730.000	2.484	12.440
x		30.750	49.940	169.300	41360.000	4450.000	41350.000	41720.000	2.471	12.480
σ		0.955	0.368	8.274	144.100	15.950	155.900	142.700	0.024	0.040
%RSD		3.106	0.737	4.886	0.348	0.358	0.377	0.342	0.967	0.322

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:44:07	39.010	38.160	13.770	48.400	0.030	1.371	-0.279	0.030	2.517
2	07:45:15	38.670	38.050	13.540	48.540	0.293	1.428	0.090	0.293	2.223
3	07:46:23	38.910	37.900	13.910	47.280	-0.315	1.579	0.014	-0.314	2.613
x		38.870	38.040	13.740	48.070	0.003	1.459	-0.058	0.003	2.451
σ		0.175	0.134	0.186	0.692	0.305	0.107	0.195	0.304	0.203
%RSD		0.450	0.352	1.351	1.438	11280.000	7.349	333.800	10300.000	8.300

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:44:07	41.780	12.280	15.020	12.470	12.300	0.011	73%	2.797	0.190
2	07:45:15	42.420	12.170	15.100	12.580	12.530	0.004	73%	3.347	0.206
3	07:46:23	41.670	12.040	14.650	12.220	12.270	0.004	73%	3.219	0.201
x		41.960	12.160	14.920	12.420	12.360	0.006	73%	3.121	0.199
σ		0.405	0.121	0.242	0.184	0.141	0.004	0%	0.288	0.008
%RSD		0.966	0.994	1.621	1.483	1.140	69.370	1	9.220	4.135

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:44:07	-0.102	2.755	0.198	0.130	0.744	1.175	202.900	207.000	85%
2	07:45:15	-0.809	3.301	0.193	0.273	0.725	1.249	201.800	205.900	86%
3	07:46:23	-0.582	3.176	0.192	0.293	0.733	1.162	200.100	204.900	86%
x		-0.497	3.077	0.194	0.232	0.734	1.195	201.600	206.000	85%
σ		0.361	0.286	0.003	0.089	0.009	0.047	1.408	1.059	0%
%RSD		72.600	9.299	1.658	38.300	1.250	3.916	0.698	0.514	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:44:07	87%	0.076	0.065	21.350	18.980	20.170	90%	0.538
2	07:45:15	88%	0.062	0.064	21.830	19.030	20.240	90%	0.538
3	07:46:23	87%	0.058	0.054	21.700	19.040	20.490	89%	0.546
x		87%	0.065	0.061	21.620	19.020	20.300	89%	0.541
σ		0%	0.009	0.006	0.251	0.035	0.166	0%	0.004
%RSD		0	14.170	9.986	1.160	0.182	0.816	0	0.814

C4463-05X25 MH3B88 11/19/2011 07:50:56 AM

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	07:52:04	78%	0.094	18.030	0.000	29910.000	6804.000	6594.000	6681.000	759.500
2	07:53:12	79%	0.030	16.200	0.000	30070.000	6797.000	6585.000	6681.000	761.000
3	07:54:20	80%	0.142	15.310	0.000	29910.000	6758.000	6575.000	6659.000	760.400
x		79%	0.088	16.510	0.000	29960.000	6786.000	6585.000	6674.000	760.300
σ		1%	0.056	1.385	0.000	90.810	25.030	9.541	12.760	0.781
%RSD		1	63.670	8.390	0.000	0.303	0.369	0.145	0.191	0.103
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:52:04	1407.000	107.000	0.000	0.000	1215.000	11350.000	10910.000	75%	17.200
2	07:53:12	1403.000	111.600	0.000	0.000	1217.000	11020.000	10990.000	76%	17.050
3	07:54:20	1408.000	107.400	0.000	0.000	1215.000	11090.000	11000.000	77%	18.010
x		1406.000	108.700	0.000	0.000	1216.000	11150.000	10960.000	76%	17.420
σ		2.841	2.586	0.000	0.000	1.175	178.500	49.440	1%	0.520
%RSD		0.202	2.380	0.000	0.000	0.097	1.601	0.451	1	2.984
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:52:04	1.425	3.571	65.450	3089.000	618.600	3045.000	3051.000	1.569	2.187
2	07:53:12	1.111	3.641	61.100	3103.000	622.100	3084.000	3091.000	1.560	2.270
3	07:54:20	1.015	3.604	57.560	3109.000	619.500	3077.000	3060.000	1.550	2.324
x		1.184	3.605	61.370	3100.000	620.100	3069.000	3067.000	1.560	2.260
σ		0.215	0.035	3.950	10.080	1.801	20.710	21.300	0.010	0.069
%RSD		18.120	0.972	6.436	0.325	0.290	0.675	0.695	0.623	3.043
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:52:04	8.075	8.158	5.456	1.742	0.350	0.546	-0.682	0.348	0.537
2	07:53:12	7.999	8.017	5.349	1.706	-0.375	0.549	-0.579	-0.373	1.480
3	07:54:20	8.131	7.996	5.480	1.806	0.063	0.484	-0.727	0.062	1.286
x		8.068	8.057	5.428	1.751	0.013	0.526	-0.663	0.012	1.101
σ		0.066	0.088	0.070	0.051	0.365	0.037	0.076	0.363	0.498
%RSD		0.822	1.096	1.286	2.892	2860.000	6.964	11.450	3010.000	45.210
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:52:04	2.207	0.486	0.671	0.563	0.468	0.002	79%	-0.535	0.023
2	07:53:12	2.301	0.488	0.613	0.445	0.500	-0.000	79%	-0.558	0.033
3	07:54:20	2.116	0.512	0.592	0.489	0.464	-0.001	80%	-0.942	0.031
x		2.208	0.495	0.625	0.499	0.477	0.001	79%	-0.678	0.029
σ		0.092	0.015	0.041	0.060	0.020	0.002	1%	0.228	0.005
%RSD		4.179	2.933	6.515	11.990	4.092	337.300	1	33.650	18.010
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	07:52:04	0.310	-0.559	0.033	-0.024	0.056	0.083	145.900	148.600	90%
2	07:53:12	0.292	-0.581	0.025	0.004	0.029	0.079	147.100	149.400	90%
3	07:54:20	0.559	-0.962	0.033	-0.054	0.049	0.082	145.800	149.700	91%
x		0.387	-0.701	0.030	-0.025	0.045	0.082	146.300	149.200	90%
σ		0.149	0.227	0.005	0.029	0.014	0.002	0.709	0.595	0%
%RSD		38.550	32.390	16.320	118.400	32.280	2.497	0.485	0.399	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	07:52:04	91%	0.023	0.018	4.686	4.027	4.298	96%	0.367	
2	07:53:12	92%	0.026	0.020	4.579	4.018	4.264	98%	0.371	
3	07:54:20	92%	0.029	0.030	4.656	4.103	4.325	97%	0.374	
x		92%	0.026	0.022	4.641	4.049	4.296	97%	0.371	
σ		1%	0.003	0.006	0.055	0.047	0.031	1%	0.003	
%RSD		1	11.440	28.550	1.189	1.153	0.712	1	0.932	

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst:10-B6

C4463-10X25 MH3B91 11/19/2011 07:58:53 AM

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	08:00:01	78%	0.096	16.920	0.000	21240.000	1162.000	1131.000	1141.000	496.900
2	08:01:09	77%	0.103	13.590	0.000	21340.000	1164.000	1127.000	1149.000	495.100
3	08:02:17	77%	0.167	11.740	0.000	21050.000	1150.000	1114.000	1134.000	487.100
x		77%	0.122	14.080	0.000	21210.000	1159.000	1124.000	1141.000	493.000
σ		0%	0.039	2.625	0.000	144.900	7.667	9.008	7.433	5.234
%RSD		0	32.190	18.650	0.000	0.683	0.662	0.802	0.651	1.062

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:00:01	1159.000	89.220	0.000	0.000	583.100	2236.000	2253.000	75%	21.290
2	08:01:09	1161.000	86.520	0.000	0.000	587.000	2279.000	2238.000	75%	20.800
3	08:02:17	1152.000	84.140	0.000	0.000	566.700	2308.000	2189.000	76%	20.950
x		1157.000	86.630	0.000	0.000	578.900	2274.000	2227.000	75%	21.010
σ		4.853	2.542	0.000	0.000	10.800	36.100	33.480	1%	0.249
%RSD		0.419	2.935	0.000	0.000	1.866	1.587	1.504	1	1.184

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:00:01	2.178	7.114	46.610	1828.000	239.800	1832.000	1818.000	0.563	2.216
2	08:01:09	2.389	7.149	45.080	1855.000	238.500	1833.000	1810.000	0.601	2.239
3	08:02:17	1.844	6.881	43.860	1783.000	234.200	1783.000	1775.000	0.603	2.052
x		2.137	7.048	45.180	1822.000	237.500	1816.000	1801.000	0.589	2.169
σ		0.275	0.146	1.375	36.630	2.910	28.470	22.900	0.022	0.102
%RSD		12.870	2.067	3.044	2.010	1.225	1.567	1.272	3.773	4.714

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:00:01	4.866	4.623	3.449	4.276	-0.001	0.375	-0.951	-0.002	1.266
2	08:01:09	4.950	4.642	3.487	3.911	0.252	0.426	-0.507	0.250	1.108
3	08:02:17	4.697	4.752	3.267	4.309	-0.013	0.369	-0.461	-0.014	0.233
x		4.838	4.672	3.401	4.165	0.079	0.390	-0.640	0.078	0.869
σ		0.129	0.069	0.117	0.221	0.150	0.031	0.271	0.149	0.556
%RSD		2.669	1.484	3.456	5.307	189.600	7.964	42.330	191.200	64.030

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:00:01	3.032	0.799	0.952	0.842	0.745	0.004	79%	-0.610	0.017
2	08:01:09	3.001	0.818	0.988	0.850	0.744	0.001	78%	-0.339	0.011
3	08:02:17	2.959	0.785	0.943	0.770	0.811	0.002	79%	-0.324	0.014
x		2.997	0.800	0.961	0.820	0.766	0.002	79%	-0.424	0.014
σ		0.036	0.016	0.024	0.044	0.039	0.002	0%	0.161	0.003
%RSD		1.214	2.020	2.477	5.341	5.025	67.350	1	37.900	20.030

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:00:01	0.411	-0.631	0.017	-0.027	0.065	0.065	50.700	51.320	89%
2	08:01:09	0.236	-0.362	0.015	-0.016	0.068	0.056	50.040	51.070	89%
3	08:02:17	0.242	-0.348	0.015	-0.011	0.070	0.066	49.590	50.740	90%
x		0.296	-0.447	0.015	-0.018	0.068	0.063	50.110	51.040	89%
σ		0.100	0.160	0.001	0.008	0.003	0.005	0.557	0.291	1%
%RSD		33.640	35.650	7.141	45.250	3.945	8.676	1.112	0.570	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:00:01	91%	0.014	0.024	1.568	1.399	1.479	97%	0.128
2	08:01:09	90%	0.023	0.019	1.666	1.453	1.534	96%	0.126
3	08:02:17	92%	0.017	0.023	1.600	1.446	1.517	97%	0.130
x		91%	0.018	0.022	1.612	1.433	1.510	97%	0.128
σ		1%	0.004	0.003	0.050	0.029	0.028	1%	0.002
%RSD		1	22.860	12.930	3.098	2.032	1.857	1	1.361

Reviewed By Bwal
01/11/21/2011
12:38:57 PM
Inst Id :PB

C4463-11X25 MH3B92 11/19/2011 08:06:50 AM

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	08:07:58	78%	0.011	17.690	0.000	17920.000	766.900	742.700	751.000	75.710
2	08:09:06	76%	0.029	21.460	0.000	18090.000	776.900	750.200	763.400	76.600
3	08:10:14	78%	0.045	17.670	0.000	17640.000	757.800	738.300	752.000	74.930
x		77%	0.028	18.940	0.000	17880.000	767.200	743.700	755.500	75.750
σ		1%	0.017	2.181	0.000	228.200	9.579	6.054	6.891	0.834
%RSD		1	61.340	11.520	0.000	1.276	1.249	0.814	0.912	1.101
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:07:58	729.300	25.720	0.000	0.000	773.600	2512.000	2495.000	74%	3.774
2	08:09:06	743.600	28.230	0.000	0.000	770.700	2515.000	2455.000	74%	3.362
3	08:10:14	719.100	28.920	0.000	0.000	758.900	2521.000	2427.000	75%	3.650
x		730.600	27.620	0.000	0.000	767.700	2516.000	2459.000	74%	3.595
σ		12.310	1.683	0.000	0.000	7.783	4.647	34.090	1%	0.211
%RSD		1.685	6.091	0.000	0.000	1.014	0.185	1.386	1	5.882
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:07:58	1.331	2.128	37.530	1719.000	180.500	1733.000	1724.000	0.104	0.710
2	08:09:06	1.168	2.150	36.940	1712.000	180.200	1718.000	1701.000	0.099	0.769
3	08:10:14	0.523	2.043	36.700	1692.000	177.000	1701.000	1693.000	0.110	0.776
x		1.007	2.107	37.060	1708.000	179.200	1718.000	1706.000	0.104	0.752
σ		0.427	0.057	0.424	14.270	1.958	15.930	16.390	0.005	0.036
%RSD		42.370	2.687	1.143	0.836	1.093	0.927	0.961	5.129	4.819
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:07:58	1.687	1.524	0.515	1.857	-0.103	0.346	-0.052	-0.102	0.704
2	08:09:06	1.569	1.536	0.531	1.771	-0.195	0.357	-0.953	-0.194	1.748
3	08:10:14	1.625	1.637	0.487	1.652	-0.493	0.360	-0.218	-0.490	2.884
x		1.627	1.565	0.511	1.760	-0.263	0.355	-0.407	-0.262	1.779
σ		0.059	0.062	0.022	0.103	0.204	0.008	0.479	0.203	1.091
%RSD		3.614	3.973	4.401	5.848	77.370	2.140	117.700	77.220	61.320
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:07:58	1.642	0.462	0.538	0.487	0.487	0.001	77%	-1.066	0.008
2	08:09:06	1.558	0.486	0.544	0.471	0.476	0.003	79%	-0.370	0.006
3	08:10:14	1.610	0.418	0.558	0.495	0.486	0.003	78%	-0.711	0.005
x		1.603	0.456	0.547	0.485	0.483	0.002	78%	-0.715	0.006
σ		0.042	0.035	0.010	0.012	0.006	0.001	1%	0.348	0.002
%RSD		2.649	7.588	1.832	2.528	1.323	57.740	1	48.660	29.340
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:07:58	0.524	-1.089	0.006	-0.081	0.026	0.063	8.027	8.016	90%
2	08:09:06	0.194	-0.392	0.009	-0.035	0.013	0.063	7.973	8.166	89%
3	08:10:14	0.390	-0.734	0.007	-0.065	0.023	0.062	7.949	8.104	90%
x		0.369	-0.739	0.007	-0.060	0.021	0.063	7.983	8.095	90%
σ		0.166	0.348	0.002	0.023	0.007	0.001	0.040	0.075	0%
%RSD		45.000	47.170	22.960	39.010	33.360	0.839	0.503	0.930	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:07:58	91%	0.003	0.009	0.891	0.769	0.821	96%	0.021	
2	08:09:06	91%	-0.000	0.003	0.887	0.753	0.819	97%	0.022	
3	08:10:14	92%	0.008	0.006	0.862	0.758	0.814	97%	0.022	
x		91%	0.004	0.006	0.880	0.760	0.818	97%	0.021	
σ		0%	0.004	0.003	0.016	0.008	0.004	1%	0.000	
%RSD		0	124.700	47.740	1.813	1.085	0.456	1	1.301	

CCV63 11/19/2011 08:14:46 AM

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	08:15:54	79%	484.200	492.000	0.000	50120.000	50270.000	50230.000	50230.000	9968.000
2	08:17:02	80%	484.500	489.300	0.000	50210.000	50650.000	50250.000	50260.000	10020.000
3	08:18:10	81%	478.400	486.700	0.000	49640.000	50010.000	49810.000	49820.000	9903.000
x		80%	482.400	489.300	0.000	49990.000	50310.000	50100.000	50100.000	9964.000
σ		1%	3.441	2.686	0.000	310.100	320.500	248.500	248.300	59.970
%RSD		1	0.713	0.549	0.000	0.620	0.637	0.496	0.496	0.602

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:15:54	478.200	9266.000	0.000	0.000	25060.000	50150.000	51700.000	77%	493.900
2	08:17:02	474.800	9255.000	0.000	0.000	25200.000	50540.000	51750.000	77%	494.600
3	08:18:10	473.500	9299.000	0.000	0.000	24880.000	49650.000	51830.000	77%	490.600
x		475.500	9273.000	0.000	0.000	25050.000	50110.000	51760.000	77%	493.000
σ		2.438	22.500	0.000	0.000	161.500	442.000	67.670	0%	2.161
%RSD		0.513	0.243	0.000	0.000	0.645	0.882	0.131	1	0.438

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:15:54	491.000	493.700	27.750	25830.000	1044.000	25840.000	25810.000	489.800	484.500
2	08:17:02	488.400	492.600	26.930	25620.000	1051.000	25930.000	26010.000	486.800	481.100
3	08:18:10	492.400	496.900	23.460	25860.000	1054.000	25810.000	25810.000	486.900	480.000
x		490.600	494.400	26.050	25770.000	1049.000	25860.000	25880.000	487.800	481.900
σ		2.026	2.245	2.277	132.400	4.915	65.930	115.700	1.713	2.341
%RSD		0.413	0.454	8.743	0.514	0.468	0.255	0.447	0.351	0.486

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:15:54	975.600	969.700	1015.000	491.100	500.800	-0.207	500.100	498.700	3.106
2	08:17:02	975.600	966.100	1014.000	489.700	497.400	-0.087	497.000	495.100	2.892
3	08:18:10	976.300	971.100	1010.000	486.400	494.000	-0.020	497.000	491.700	2.709
x		975.800	969.000	1013.000	489.100	497.400	-0.105	498.000	495.200	2.903
σ		0.399	2.590	2.694	2.438	3.420	0.095	1.789	3.490	0.199
%RSD		0.041	0.267	0.266	0.499	0.688	90.340	0.359	0.705	6.854

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:15:54	503.100	503.500	503.800	503.800	502.900	0.003	78%	523.600	531.500
2	08:17:02	501.500	502.400	500.100	503.700	503.900	0.008	79%	520.800	527.100
3	08:18:10	500.400	498.100	498.600	495.900	504.700	0.003	79%	515.300	527.200
x		501.700	501.400	500.800	501.100	503.800	0.005	79%	519.900	528.600
σ		1.396	2.880	2.704	4.560	0.921	0.003	1%	4.233	2.483
%RSD		0.278	0.574	0.540	0.910	0.183	58.250	1	0.814	0.470

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:15:54	8.964	521.300	529.700	523.200	519.700	511.800	2473.000	2526.000	91%
2	08:17:02	6.982	518.500	526.600	522.700	515.400	514.000	2484.000	2509.000	92%
3	08:18:10	9.216	513.200	524.600	518.500	519.700	517.900	2475.000	2526.000	91%
x		8.387	517.700	527.000	521.500	518.300	514.600	2477.000	2521.000	91%
σ		1.224	4.107	2.540	2.584	2.471	3.072	6.036	9.715	0%
%RSD		14.590	0.793	0.482	0.495	0.477	0.597	0.244	0.385	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:15:54	93%	497.800	510.300	499.500	499.100	505.300	96%	529.200
2	08:17:02	94%	499.900	508.700	500.400	499.500	507.500	96%	530.500
3	08:18:10	92%	501.900	515.100	501.700	500.800	508.000	96%	533.500
x		93%	499.900	511.400	500.500	499.800	506.900	96%	531.100
σ		1%	2.018	3.313	1.082	0.875	1.433	0%	2.210
%RSD		1	0.404	0.648	0.216	0.175	0.283	0	0.416

Reviewed By jeswari
11/21/2011
2:36:57 PM
Inst Id :P6

CCB63 11/19/2011 08:22:40 AM

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	08:23:48	80%	0.038	8.051	0.000	151.500	3.300	2.809	2.942	5.436
2	08:24:56	81%	0.010	5.645	0.000	150.900	2.176	1.631	1.999	5.336
3	08:26:04	79%	0.091	4.855	0.000	156.800	0.921	1.575	1.202	5.553
x		80%	0.046	6.184	0.000	153.100	2.132	2.005	2.048	5.442
σ		1%	0.041	1.665	0.000	3.264	1.190	0.697	0.871	0.108
%RSD		1	88.740	26.920	0.000	2.132	55.830	34.740	42.520	1.993
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:23:48	1.512	4.654	0.000	0.000	5.407	1.285	11.160	76%	-0.101
2	08:24:56	2.275	2.732	0.000	0.000	1.372	3.157	9.667	77%	-0.069
3	08:26:04	1.881	4.208	0.000	0.000	9.375	1.766	10.820	76%	-0.203
x		1.889	3.865	0.000	0.000	5.384	2.069	10.550	76%	-0.124
σ		0.382	1.006	0.000	0.000	4.001	0.972	0.783	0%	0.070
%RSD		20.190	26.030	0.000	0.000	74.310	46.990	7.420	1	56.170
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:23:48	-0.341	0.060	21.470	-0.297	0.195	-11.550	4.593	0.028	0.050
2	08:24:56	-0.249	0.028	20.610	-0.261	0.165	-12.720	2.754	0.019	0.037
3	08:26:04	-0.021	0.034	19.960	-1.885	0.113	-13.260	3.254	-0.001	0.042
x		-0.203	0.040	20.680	-0.814	0.158	-12.510	3.534	0.015	0.043
σ		0.165	0.017	0.757	0.927	0.042	0.875	0.951	0.015	0.007
%RSD		80.980	41.910	3.662	113.900	26.360	6.998	26.910	95.680	15.590
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:23:48	0.105	0.067	0.285	0.001	-0.127	0.194	-0.268	-0.127	1.597
2	08:24:56	0.068	0.077	0.182	0.259	0.027	0.153	-0.524	0.026	0.960
3	08:26:04	0.066	0.008	0.268	-0.018	-0.093	0.187	-0.151	-0.093	0.434
x		0.079	0.051	0.245	0.081	-0.064	0.178	-0.314	-0.065	0.997
σ		0.022	0.037	0.055	0.155	0.081	0.022	0.191	0.081	0.582
%RSD		28.000	72.820	22.540	191.200	126.100	12.270	60.770	124.500	58.390
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:23:48	0.288	0.325	0.283	0.286	0.307	0.001	80%	-0.684	0.030
2	08:24:56	0.202	0.207	0.211	0.220	0.162	-0.001	81%	-0.616	0.017
3	08:26:04	0.125	0.130	0.111	0.135	0.145	0.001	80%	-1.313	0.015
x		0.205	0.221	0.202	0.214	0.204	0.000	81%	-0.871	0.021
σ		0.081	0.098	0.086	0.076	0.089	0.001	1%	0.384	0.008
%RSD		39.680	44.350	42.680	35.320	43.580	433.200	1	44.090	39.410
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:23:48	0.321	-0.705	0.027	-0.028	0.474	0.956	0.112	0.149	91%
2	08:24:56	0.303	-0.637	0.021	-0.052	0.384	0.673	0.084	0.097	92%
3	08:26:04	0.618	-1.330	0.010	-0.099	0.280	0.504	0.029	0.017	90%
x		0.414	-0.891	0.020	-0.060	0.379	0.711	0.075	0.087	91%
σ		0.177	0.382	0.009	0.036	0.097	0.229	0.043	0.066	1%
%RSD		42.730	42.910	44.840	60.820	25.610	32.130	56.710	76.140	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:23:48	92%	0.057	0.061	0.036	0.033	0.039	98%	0.053	
2	08:24:56	93%	0.051	0.046	0.020	0.015	0.018	99%	0.033	
3	08:26:04	92%	0.035	0.041	0.014	0.010	0.012	98%	0.016	
x		92%	0.048	0.049	0.024	0.019	0.023	99%	0.034	
σ		0%	0.011	0.010	0.012	0.012	0.014	1%	0.019	
%RSD		0	23.840	21.140	49.390	62.170	60.430	1	54.470	

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4463-02 MH3B85 11/19/2011 08:30:34 AM

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	08:31:42	80%	0.130	163.000	0.000	1033000.000	1124000.000	1161000.000	1163000.000	435.300
2	08:32:50	79%	0.175	167.400	0.000	1031000.000	1107000.000	1143000.000	1145000.000	428.000
3	08:33:58	80%	0.253	171.800	0.000	1032000.000	1106000.000	1132000.000	1131000.000	423.700
x		80%	0.186	167.400	0.000	1032000.000	1112000.000	1146000.000	1146000.000	429.000
σ		0%	0.062	4.383	0.000	897.700	10020.000	14390.000	15680.000	5.831
%RSD		0	33.490	2.619	0.000	0.087	0.901	1.256	1.368	1.359

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:31:42	8719.000	4819.000	0.000	0.000	67160.000	57240.000	59560.000	75%	24.530
2	08:32:50	8434.000	4838.000	0.000	0.000	67250.000	57080.000	59760.000	74%	24.490
3	08:33:58	8255.000	4840.000	0.000	0.000	67390.000	57390.000	59080.000	74%	25.190
x		8469.000	4832.000	0.000	0.000	67270.000	57230.000	59470.000	74%	24.740
σ		233.900	11.310	0.000	0.000	115.300	158.500	347.300	0%	0.392
%RSD		2.762	0.234	0.000	0.000	0.171	0.277	0.584	0	1.584

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:31:42	9.533	9.023	37.390	2671.000	1261.000	2695.000	2735.000	1.155	14.520
2	08:32:50	9.717	9.357	41.730	2683.000	1263.000	2722.000	2787.000	1.109	14.680
3	08:33:58	9.832	9.336	43.070	2699.000	1263.000	2733.000	2765.000	1.100	15.120
x		9.694	9.239	40.730	2684.000	1262.000	2717.000	2762.000	1.122	14.780
σ		0.151	0.187	2.967	14.060	1.095	19.800	26.180	0.030	0.312
%RSD		1.556	2.027	7.285	0.524	0.087	0.729	0.948	2.637	2.112

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:31:42	8.116	6.033	8.953	27.060	0.964	0.511	0.704	0.966	3.272
2	08:32:50	8.174	6.125	8.542	27.020	0.770	0.635	0.877	0.771	2.723
3	08:33:58	8.190	6.357	8.514	27.310	0.846	0.669	0.823	0.847	2.156
x		8.160	6.172	8.669	27.130	0.860	0.605	0.801	0.862	2.717
σ		0.039	0.167	0.246	0.158	0.097	0.083	0.089	0.098	0.558
%RSD		0.477	2.702	2.835	0.583	11.330	13.720	11.050	11.400	20.540

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:31:42	85.640	0.696	8.140	0.725	0.707	0.002	71%	9.409	0.166
2	08:32:50	87.250	0.736	8.252	0.737	0.651	0.010	71%	9.309	0.142
3	08:33:58	88.260	0.678	8.399	0.759	0.723	0.001	71%	11.990	0.146
x		87.050	0.703	8.263	0.741	0.694	0.004	71%	10.230	0.151
σ		1.321	0.029	0.130	0.017	0.038	0.005	0%	1.517	0.013
%RSD		1.517	4.174	1.572	2.355	5.484	116.500	0	14.820	8.405

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:31:42	-1.859	9.326	0.147	0.389	0.205	0.336	1852.000	1894.000	85%
2	08:32:50	-1.314	9.236	0.108	0.319	0.185	0.355	1853.000	1903.000	84%
3	08:33:58	-2.874	11.900	0.099	0.508	0.173	0.314	1867.000	1901.000	83%
x		-2.016	10.150	0.118	0.405	0.187	0.335	1857.000	1899.000	84%
σ		0.791	1.515	0.026	0.095	0.016	0.020	8.661	4.550	1%
%RSD		39.270	14.920	21.640	23.530	8.713	6.108	0.466	0.240	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:31:42	86%	0.295	0.277	1.552	1.349	1.447	84%	2.644
2	08:32:50	85%	0.176	0.174	1.417	1.381	1.396	83%	2.583
3	08:33:58	84%	0.138	0.152	1.425	1.283	1.368	82%	2.605
x		85%	0.203	0.201	1.465	1.338	1.403	83%	2.611
σ		1%	0.082	0.067	0.076	0.050	0.040	1%	0.031
%RSD		1	40.400	33.210	5.166	3.747	2.841	1	1.176

Reviewed By jaswal
on 11/21/2011
2:38:57 PM
Inst Id :P6

C4463-03 MH3B86 11/19/2011 08:38:29 AM

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	08:39:37	76%	0.269	251.100	0.000	746200.000	156000.000	154800.000	153800.000	2330.000
2	08:40:45	75%	0.133	248.300	0.000	741900.000	155500.000	153700.000	153000.000	2309.000
3	08:41:54	77%	0.187	240.600	0.000	724800.000	151500.000	150800.000	150100.000	2251.000
x		76%	0.197	246.700	0.000	737700.000	154400.000	153100.000	152300.000	2297.000
σ		1%	0.068	5.420	0.000	11320.000	2465.000	2063.000	1936.000	40.970
%RSD		1	34.770	2.197	0.000	1.535	1.597	1.347	1.271	1.784

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:39:37	16470.000	2794.000	0.000	0.000	23750.000	253700.000	260400.000	72%	115.400
2	08:40:45	16420.000	2746.000	0.000	0.000	23580.000	252000.000	259800.000	72%	116.100
3	08:41:54	16060.000	2708.000	0.000	0.000	23230.000	249400.000	256700.000	71%	114.900
x		16320.000	2749.000	0.000	0.000	23520.000	251700.000	259000.000	72%	115.500
σ		222.400	43.050	0.000	0.000	264.200	2162.000	2025.000	0%	0.560
%RSD		1.363	1.566	0.000	0.000	1.123	0.859	0.782	1	0.485

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:39:37	12.510	18.780	112.300	4797.000	4909.000	4784.000	5129.000	2.283	16.550
2	08:40:45	13.330	19.070	119.600	4795.000	4939.000	4807.000	5133.000	2.353	16.520
3	08:41:54	11.400	18.760	125.700	4711.000	4864.000	4742.000	5060.000	2.306	16.090
x		12.410	18.870	119.200	4768.000	4904.000	4778.000	5107.000	2.314	16.390
σ		0.971	0.174	6.704	49.200	37.340	32.980	41.130	0.036	0.259
%RSD		7.819	0.925	5.625	1.032	0.761	0.690	0.805	1.550	1.579

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:39:37	21.310	19.690	79.670	19.980	0.494	1.394	0.957	0.494	2.258
2	08:40:45	21.280	19.800	79.960	20.610	0.225	1.382	0.134	0.225	3.683
3	08:41:54	21.000	19.390	77.250	19.490	0.199	1.523	0.449	0.199	3.035
x		21.200	19.630	78.960	20.030	0.306	1.433	0.513	0.306	2.992
σ		0.173	0.211	1.488	0.562	0.163	0.079	0.415	0.163	0.714
%RSD		0.814	1.076	1.885	2.805	53.310	5.484	80.940	53.280	23.840

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:39:37	28.660	1.243	3.773	1.334	1.354	0.003	70%	3.084	0.403
2	08:40:45	27.430	1.270	3.730	1.279	1.368	0.006	69%	4.668	0.404
3	08:41:54	27.450	1.324	3.616	1.328	1.228	0.006	70%	4.227	0.387
x		27.840	1.279	3.706	1.314	1.317	0.005	70%	3.993	0.398
σ		0.702	0.042	0.081	0.030	0.077	0.002	0%	0.818	0.010
%RSD		2.520	3.250	2.192	2.292	5.833	34.490	0	20.470	2.400

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:39:37	-0.092	3.044	0.405	0.847	1.212	0.704	1377.000	1397.000	81%
2	08:40:45	-0.920	4.621	0.405	0.958	1.210	0.692	1363.000	1395.000	80%
3	08:41:54	-0.589	4.179	0.356	0.956	1.204	0.632	1333.000	1358.000	82%
x		-0.533	3.948	0.389	0.920	1.209	0.676	1358.000	1383.000	81%
σ		0.416	0.813	0.028	0.063	0.004	0.039	22.420	21.830	1%
%RSD		78.040	20.600	7.313	6.888	0.339	5.698	1.651	1.578	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:39:37	83%	0.186	0.164	6.961	6.362	6.693	82%	2.973
2	08:40:45	81%	0.145	0.153	7.050	6.585	6.753	81%	2.981
3	08:41:54	83%	0.134	0.128	6.813	6.233	6.582	82%	2.892
x		82%	0.155	0.148	6.941	6.393	6.676	82%	2.949
σ		1%	0.027	0.019	0.120	0.178	0.087	1%	0.049
%RSD		1	17.650	12.560	1.723	2.788	1.297	1	1.677

Reviewed By Jaswal
On 11/21/2011
12:38:57 PM
first 10 IPs

C4463-04 MH3B87 11/19/2011 08:46:25 AM

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	08:47:33	76%	2.027	920.500	0.000	1629000.000	49530.000	48560.000	48010.000	6687.000
2	08:48:41	74%	2.292	917.200	0.000	1665000.000	50590.000	49240.000	48600.000	6837.000
3	08:49:49	73%	2.158	947.300	0.000	1661000.000	50120.000	49100.000	48330.000	6814.000
x		74%	2.159	928.300	0.000	1652000.000	50080.000	48960.000	48310.000	6779.000
σ		1%	0.133	16.540	0.000	19530.000	526.400	358.400	294.000	81.010
%RSD		2	6.145	1.782	0.000	1.182	1.051	0.732	0.609	1.195

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:33	18720.000	5064.000	0.000	0.000	46460.000	29210.000	28760.000	72%	144.900
2	08:48:41	19030.000	5178.000	0.000	0.000	47410.000	29860.000	29000.000	71%	150.000
3	08:49:49	18980.000	5152.000	0.000	0.000	47240.000	29350.000	28560.000	71%	147.800
x		18910.000	5131.000	0.000	0.000	47040.000	29470.000	28770.000	71%	147.600
σ		165.600	59.480	0.000	0.000	507.600	341.000	218.300	1%	2.556
%RSD		0.876	1.159	0.000	0.000	1.079	1.157	0.759	1	1.732

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:33	76.540	49.430	104.100	32300.000	1662.000	32570.000	32840.000	12.440	28.180
2	08:48:41	78.920	50.590	104.800	33040.000	1701.000	33240.000	33590.000	12.580	28.810
3	08:49:49	78.450	50.610	101.300	32850.000	1686.000	33100.000	33470.000	12.620	28.490
x		77.970	50.210	103.400	32730.000	1683.000	32970.000	33300.000	12.550	28.490
σ		1.260	0.675	1.840	382.100	19.570	353.900	404.100	0.093	0.317
%RSD		1.617	1.344	1.780	1.168	1.163	1.073	1.213	0.741	1.112

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:33	90.330	86.220	76.630	38.980	0.973	1.257	1.109	0.977	2.858
2	08:48:41	91.890	88.090	78.780	39.510	0.647	1.149	1.075	0.649	6.263
3	08:49:49	92.640	87.680	78.600	39.330	0.954	1.130	1.227	0.958	4.045
x		91.620	87.330	78.000	39.270	0.858	1.179	1.137	0.861	4.389
σ		1.177	0.983	1.191	0.271	0.183	0.069	0.079	0.184	1.729
%RSD		1.285	1.126	1.527	0.691	21.350	5.825	6.988	21.340	39.390

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:33	118.900	5.720	16.000	6.011	5.830	0.001	68%	15.270	0.396
2	08:48:41	122.500	5.993	16.300	6.136	5.941	0.005	67%	15.920	0.375
3	08:49:49	121.500	6.005	16.210	6.197	5.821	0.003	67%	16.420	0.377
x		120.900	5.906	16.170	6.115	5.864	0.003	67%	15.870	0.383
σ		1.858	0.161	0.155	0.095	0.067	0.002	1%	0.577	0.012
%RSD		1.537	2.727	0.957	1.552	1.138	65.180	1	3.634	3.024

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:33	-2.849	15.180	0.290	1.002	1.371	0.875	2161.000	2191.000	79%
2	08:48:41	-2.937	15.820	0.297	1.070	1.396	0.892	2174.000	2205.000	77%
3	08:49:49	-3.586	16.330	0.317	1.252	1.399	0.850	2168.000	2207.000	77%
x		-3.124	15.780	0.301	1.108	1.389	0.873	2168.000	2201.000	77%
σ		0.403	0.577	0.014	0.129	0.015	0.021	6.669	8.851	1%
%RSD		12.890	3.656	4.600	11.640	1.105	2.455	0.308	0.402	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:33	80%	0.137	0.134	38.450	34.300	36.320	78%	3.536
2	08:48:41	78%	0.128	0.120	38.800	34.500	36.530	77%	3.548
3	08:49:49	78%	0.131	0.120	38.940	34.910	36.790	76%	3.555
x		78%	0.132	0.125	38.730	34.570	36.550	77%	3.546
σ		1%	0.005	0.008	0.251	0.311	0.235	1%	0.010
%RSD		2	3.653	6.474	0.648	0.900	0.643	1	0.278

C4463-12 MH3B93 11/19/2011 08:54:21 AM

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	08:55:29	70%	0.202	364.400	0.000	469100.000	17000.000	16790.000	16760.000	322.400
2	08:56:37	71%	0.126	364.400	0.000	465200.000	16790.000	16760.000	16780.000	322.900
3	08:57:45	72%	0.075	352.600	0.000	454200.000	16470.000	16480.000	16460.000	315.700
x		71%	0.134	360.500	0.000	462900.000	16750.000	16670.000	16670.000	320.300
σ		1%	0.064	6.808	0.000	7711.000	265.600	167.100	181.300	4.008
%RSD		1	47.640	1.889	0.000	1.666	1.585	1.002	1.087	1.251
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:55:29	10060.000	712.100	0.000	0.000	16500.000	55710.000	58750.000	66%	57.130
2	08:56:37	10180.000	707.400	0.000	0.000	16440.000	55950.000	58560.000	67%	58.280
3	08:57:45	9934.000	684.500	0.000	0.000	16050.000	54380.000	56770.000	68%	55.260
x		10060.000	701.400	0.000	0.000	16330.000	55350.000	58030.000	67%	56.890
σ		122.300	14.750	0.000	0.000	247.200	843.200	1089.000	1%	1.521
%RSD		1.216	2.104	0.000	0.000	1.514	1.524	1.877	1	2.674
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:55:29	29.300	4.279	148.000	4246.000	3529.000	4262.000	4315.000	0.550	5.646
2	08:56:37	29.710	4.274	147.500	4225.000	3531.000	4272.000	4278.000	0.555	5.510
3	08:57:45	28.870	4.222	148.000	4125.000	3441.000	4135.000	4153.000	0.539	5.540
x		29.290	4.258	147.800	4199.000	3500.000	4223.000	4249.000	0.548	5.566
σ		0.420	0.031	0.309	64.560	50.960	76.650	84.890	0.008	0.071
%RSD		1.435	0.735	0.209	1.538	1.456	1.815	1.998	1.497	1.284
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:55:29	6.609	5.887	14.180	41.760	0.283	1.415	-0.315	0.282	1.357
2	08:56:37	6.732	5.585	13.880	42.360	0.476	1.383	0.252	0.474	2.534
3	08:57:45	6.698	5.794	13.420	41.010	0.162	1.419	-0.523	0.161	1.436
x		6.680	5.755	13.830	41.710	0.307	1.406	-0.195	0.306	1.776
σ		0.064	0.155	0.381	0.677	0.159	0.020	0.401	0.158	0.658
%RSD		0.953	2.689	2.752	1.622	51.700	1.389	205.200	51.760	37.060
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:55:29	27.630	0.709	3.099	0.787	0.710	0.007	68%	2.843	0.071
2	08:56:37	28.070	0.735	3.147	0.752	0.749	0.000	68%	3.591	0.077
3	08:57:45	27.280	0.726	3.168	0.719	0.658	0.005	68%	3.090	0.082
x		27.660	0.723	3.138	0.753	0.706	0.004	68%	3.175	0.077
σ		0.394	0.013	0.035	0.034	0.045	0.003	0%	0.381	0.005
%RSD		1.425	1.800	1.128	4.565	6.440	88.250	1	12.010	7.106
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:55:29	-0.433	2.805	0.065	0.108	0.445	1.558	144.100	146.700	78%
2	08:56:37	-1.026	3.550	0.067	0.201	0.485	1.540	146.400	147.300	78%
3	08:57:45	-0.710	3.048	0.062	0.141	0.426	1.570	141.000	143.600	79%
x		-0.723	3.134	0.064	0.150	0.452	1.556	143.900	145.900	78%
σ		0.296	0.380	0.002	0.047	0.030	0.015	2.673	1.988	1%
%RSD		41.000	12.110	3.701	31.230	6.635	0.980	1.858	1.363	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	08:55:29	79%	0.031	0.030	2.040	1.838	1.924	81%	2.174	
2	08:56:37	79%	0.026	0.026	1.985	1.848	1.916	82%	2.197	
3	08:57:45	81%	0.022	0.027	1.933	1.711	1.827	84%	2.133	
x		80%	0.026	0.028	1.986	1.799	1.889	82%	2.168	
σ		1%	0.005	0.002	0.054	0.076	0.054	1%	0.033	
%RSD		1	17.660	8.055	2.704	4.239	2.846	2	1.500	

C4463-06 MH3B89 11/19/2011 09:02:18 AM

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	09:03:26	71%	0.481	328.000	0.000	735900.000	28700.000	28690.000	28660.000	772.700
2	09:04:34	72%	0.445	330.800	0.000	729700.000	28440.000	28400.000	28490.000	766.400
3	09:05:42	71%	0.500	345.600	0.000	736400.000	28750.000	28830.000	28680.000	773.600
x		71%	0.475	334.800	0.000	734000.000	28630.000	28640.000	28610.000	770.900
σ		1%	0.028	9.451	0.000	3723.000	168.700	219.800	105.500	3.942
%RSD		1	5.881	2.823	0.000	0.507	0.589	0.767	0.369	0.511

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:03:26	12650.000	2204.000	0.000	0.000	20850.000	79960.000	82930.000	67%	487.700
2	09:04:34	12520.000	2161.000	0.000	0.000	20470.000	78010.000	81370.000	67%	477.300
3	09:05:42	12770.000	2181.000	0.000	0.000	20510.000	77890.000	81710.000	67%	479.600
x		12650.000	2182.000	0.000	0.000	20610.000	78620.000	82000.000	67%	481.500
σ		125.600	21.670	0.000	0.000	211.400	1158.000	817.600	0%	5.475
%RSD		0.994	0.993	0.000	0.000	1.026	1.472	0.997	1	1.137

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:03:26	160.400	34.830	151.400	6697.000	5054.000	6687.000	6683.000	1.868	19.960
2	09:04:34	157.300	33.920	151.100	6491.000	4943.000	6571.000	6580.000	1.846	19.150
3	09:05:42	156.100	33.880	153.000	6516.000	4979.000	6593.000	6629.000	1.794	19.580
x		157.900	34.210	151.900	6568.000	4992.000	6617.000	6631.000	1.836	19.560
σ		2.217	0.541	0.989	112.400	56.800	61.820	51.860	0.038	0.403
%RSD		1.404	1.582	0.651	1.711	1.138	0.934	0.782	2.059	2.060

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:03:26	8.429	6.956	11.170	100.400	0.568	1.543	0.468	0.567	4.503
2	09:04:34	8.334	6.743	10.720	99.240	0.878	1.490	0.652	0.877	3.638
3	09:05:42	8.102	6.826	10.870	98.820	1.252	1.518	0.150	1.250	2.295
x		8.288	6.842	10.920	99.490	0.899	1.517	0.423	0.898	3.479
σ		0.168	0.107	0.226	0.822	0.342	0.027	0.254	0.342	1.113
%RSD		2.032	1.568	2.072	0.827	38.080	1.776	60.040	38.070	31.980

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:03:26	103.100	2.216	10.910	2.321	2.154	0.003	66%	13.310	0.117
2	09:04:34	101.000	2.176	11.130	2.258	2.196	0.012	66%	11.860	0.107
3	09:05:42	102.300	2.210	10.940	2.191	2.139	0.002	67%	12.400	0.109
x		102.200	2.201	10.990	2.257	2.163	0.006	66%	12.520	0.111
σ		1.044	0.022	0.119	0.065	0.029	0.005	0%	0.733	0.006
%RSD		1.022	0.983	1.080	2.878	1.360	95.190	1	5.851	5.040

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:03:26	-2.939	13.200	0.077	0.508	1.524	4.713	130.000	132.200	78%
2	09:04:34	-2.600	11.760	0.087	0.438	1.568	4.598	129.200	130.800	79%
3	09:05:42	-2.814	12.300	0.081	0.506	1.506	4.484	130.200	130.700	80%
x		-2.784	12.420	0.082	0.484	1.532	4.598	129.800	131.200	79%
σ		0.171	0.729	0.005	0.040	0.032	0.115	0.517	0.834	1%
%RSD		6.157	5.867	6.117	8.276	2.079	2.492	0.398	0.635	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:03:26	80%	0.024	0.020	3.151	2.880	3.017	81%	6.897
2	09:04:34	81%	0.020	0.029	3.137	2.844	2.978	82%	6.778
3	09:05:42	81%	0.024	0.018	3.172	2.818	3.017	82%	6.780
x		81%	0.023	0.023	3.153	2.847	3.004	82%	6.818
σ		1%	0.002	0.006	0.018	0.031	0.022	1%	0.068
%RSD		1	9.252	26.240	0.556	1.085	0.741	1	0.999

Reviewed By: jaswal
Date: 1/23/2011
Time: 8:38:57 PM
Initial: PB

C4463-02X25 MH3B8S 11/19/2011 09:10:13 AM

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	09:11:21	78%	-0.050	12.530	0.000	42710.000	44450.000	43840.000	43980.000	17.110
2	09:12:29	77%	-0.042	14.250	0.000	44370.000	46070.000	45400.000	45480.000	17.770
3	09:13:37	78%	-0.004	12.270	0.000	43870.000	45670.000	45030.000	44820.000	17.910
x		78%	-0.032	13.020	0.000	43650.000	45400.000	44760.000	44760.000	17.600
σ		0%	0.025	1.076	0.000	851.300	845.600	814.200	754.600	0.427
%RSD		0	77.590	8.265	0.000	1.950	1.863	1.819	1.686	2.425

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:11:21	319.400	196.400	0.000	0.000	2690.000	2255.000	2203.000	73%	1.019
2	09:12:29	328.100	204.100	0.000	0.000	2772.000	2279.000	2289.000	73%	0.652
3	09:13:37	326.100	200.000	0.000	0.000	2734.000	2327.000	2293.000	75%	0.918
x		324.500	200.100	0.000	0.000	2732.000	2287.000	2262.000	74%	0.863
σ		4.554	3.872	0.000	0.000	41.280	36.570	50.760	1%	0.189
%RSD		1.403	1.935	0.000	0.000	1.511	1.599	2.244	1	21.920

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:11:21	-0.319	0.632	58.780	111.400	50.660	112.700	124.900	0.038	0.729
2	09:12:29	0.239	0.642	56.440	117.000	52.310	120.700	129.000	0.060	0.650
3	09:13:37	0.066	0.629	53.850	114.800	51.500	120.900	127.100	0.052	0.620
x		-0.005	0.634	56.360	114.400	51.490	118.100	127.000	0.050	0.666
σ		0.285	0.007	2.466	2.825	0.825	4.689	2.050	0.011	0.056
%RSD		6292.000	1.059	4.376	2.470	1.603	3.970	1.614	22.030	8.451

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:11:21	0.328	0.277	0.538	0.602	-0.243	0.654	-0.102	-0.242	2.442
2	09:12:29	0.368	0.341	0.554	1.188	-0.172	0.575	0.068	-0.172	1.164
3	09:13:37	0.363	0.310	0.417	1.102	-0.657	0.568	0.267	-0.664	3.122
x		0.353	0.309	0.503	0.964	-0.361	0.599	0.077	-0.359	2.242
σ		0.022	0.032	0.075	0.317	0.268	0.048	0.185	0.266	0.994
%RSD		6.189	10.320	14.830	32.840	74.160	7.989	238.900	74.070	44.320

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:11:21	3.010	0.030	0.277	0.069	0.013	0.003	75%	-0.726	0.011
2	09:12:29	3.228	0.040	0.273	0.061	0.012	0.004	77%	0.327	0.023
3	09:13:37	3.125	0.024	0.303	0.014	0.023	0.002	77%	0.181	0.017
x		3.121	0.031	0.284	0.048	0.016	0.003	76%	-0.073	0.017
σ		0.109	0.008	0.016	0.030	0.005	0.001	1%	0.571	0.006
%RSD		3.488	25.020	5.723	62.540	38.330	46.230	1	784.300	35.150

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:11:21	0.499	-0.745	0.019	-0.076	0.004	0.041	72.030	73.820	84%
2	09:12:29	0.020	0.306	0.016	-0.005	0.012	0.037	73.400	73.770	85%
3	09:13:37	-0.029	0.163	0.019	0.010	0.010	0.038	73.440	74.610	85%
x		0.163	-0.092	0.018	-0.024	0.009	0.039	72.960	74.060	85%
σ		0.292	0.571	0.002	0.046	0.004	0.002	0.803	0.470	0%
%RSD		178.700	620.800	9.049	193.800	43.440	6.100	1.101	0.635	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:11:21	86%	0.006	0.005	0.052	0.044	0.055	91%	0.099
2	09:12:29	86%	0.007	0.007	0.061	0.071	0.059	90%	0.100
3	09:13:37	86%	-0.003	0.012	0.065	0.054	0.060	90%	0.102
x		86%	0.003	0.008	0.059	0.056	0.058	90%	0.101
σ		0%	0.005	0.003	0.007	0.014	0.002	0%	0.001
%RSD		0	165.600	40.750	11.090	24.770	4.325	0	1.313

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4463-03X25 MH3B86 11/19/2011 09:18:10 AM

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	09:19:18	76%	0.026	12.230	0.000	30500.000	6157.000	5932.000	5957.000	90.310
2	09:20:26	76%	0.041	12.270	0.000	30370.000	6192.000	5917.000	5943.000	88.460
3	09:21:34	76%	-0.046	15.100	0.000	30720.000	6206.000	5927.000	5995.000	89.510
x		76%	0.007	13.200	0.000	30530.000	6185.000	5925.000	5965.000	89.430
σ		0%	0.047	1.644	0.000	176.500	24.770	7.791	26.940	0.927
%RSD		0	664.900	12.450	0.000	0.578	0.400	0.132	0.452	1.037

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:19:18	635.100	115.900	0.000	0.000	976.900	10100.000	9908.000	71%	4.030
2	09:20:26	636.000	111.500	0.000	0.000	969.500	10230.000	9984.000	71%	4.356
3	09:21:34	642.300	109.500	0.000	0.000	963.300	10050.000	9864.000	72%	4.332
x		637.800	112.300	0.000	0.000	969.900	10130.000	9918.000	71%	4.240
σ		3.892	3.283	0.000	0.000	6.799	91.160	60.540	0%	0.182
%RSD		0.610	2.923	0.000	0.000	0.701	0.900	0.610	0	4.288

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:19:18	0.288	1.013	52.250	196.500	195.200	194.600	223.400	0.115	0.733
2	09:20:26	0.290	0.919	52.910	198.800	196.300	193.300	221.300	0.086	0.703
3	09:21:34	0.656	0.968	51.920	194.800	194.500	191.200	218.500	0.116	0.717
x		0.411	0.967	52.360	196.700	195.400	193.000	221.100	0.106	0.718
σ		0.212	0.047	0.502	1.983	0.911	1.716	2.440	0.017	0.015
%RSD		51.620	4.881	0.958	1.008	0.466	0.889	1.104	16.370	2.067

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:19:18	0.961	0.881	3.655	0.526	-0.173	0.597	-0.090	-0.172	2.705
2	09:20:26	0.904	0.842	3.665	0.945	-0.257	0.549	-0.078	-0.256	0.677
3	09:21:34	0.929	0.927	3.701	0.799	-0.329	0.556	0.237	-0.327	1.517
x		0.931	0.883	3.674	0.756	-0.253	0.567	0.023	-0.252	1.633
σ		0.029	0.042	0.024	0.213	0.078	0.026	0.185	0.078	1.019
%RSD		3.084	4.797	0.663	28.130	30.830	4.565	802.500	30.770	62.410

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:19:18	1.114	0.068	0.182	0.090	0.048	0.001	74%	-0.368	0.044
2	09:20:26	1.196	0.080	0.152	0.091	0.039	0.002	74%	-0.734	0.036
3	09:21:34	1.100	0.075	0.151	0.088	0.047	0.005	74%	0.173	0.019
x		1.137	0.075	0.162	0.090	0.045	0.003	74%	-0.310	0.033
σ		0.052	0.006	0.018	0.002	0.005	0.002	0%	0.457	0.013
%RSD		4.551	8.496	10.910	1.718	11.090	87.700	0	147.400	39.590

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:19:18	0.223	-0.388	0.031	0.014	0.056	0.049	53.360	54.860	83%
2	09:20:26	0.346	-0.755	0.024	-0.013	0.063	0.047	52.180	53.730	84%
3	09:21:34	-0.020	0.150	0.030	0.024	0.050	0.041	53.300	54.230	84%
x		0.183	-0.331	0.028	0.008	0.056	0.045	52.950	54.270	83%
σ		0.186	0.455	0.003	0.019	0.006	0.004	0.662	0.568	1%
%RSD		101.900	137.500	12.230	240.600	11.550	9.468	1.251	1.046	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:19:18	85%	0.018	0.023	0.345	0.272	0.305	89%	0.122
2	09:20:26	85%	0.010	0.009	0.297	0.274	0.284	89%	0.123
3	09:21:34	85%	0.008	0.013	0.313	0.269	0.280	89%	0.124
x		85%	0.012	0.015	0.318	0.272	0.289	89%	0.123
σ		0%	0.005	0.007	0.024	0.002	0.014	0%	0.001
%RSD		0	45.250	44.500	7.681	0.858	4.796	0	0.681

Reviewed By:Jaswal
On:11/21/2011
12:38:57 PM
Rev:0 :P8

C4463-04X25 MH3B87 11/19/2011 09:26:07 AM

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	09:27:14	74%	0.140	36.480	0.000	72040.000	1993.000	1915.000	1937.000	275.100
2	09:28:22	75%	0.078	37.540	0.000	71340.000	1980.000	1908.000	1921.000	275.400
3	09:29:30	75%	0.022	37.850	0.000	71670.000	1990.000	1916.000	1943.000	275.500
x		74%	0.080	37.290	0.000	71680.000	1988.000	1913.000	1934.000	275.300
σ		1%	0.059	0.720	0.000	347.700	6.494	4.434	11.730	0.205
%RSD		1	74.050	1.930	0.000	0.485	0.327	0.232	0.607	0.074
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:27:14	764.800	211.700	0.000	0.000	1955.000	1225.000	1206.000	69%	5.776
2	09:28:22	766.500	208.900	0.000	0.000	1940.000	1189.000	1195.000	69%	6.220
3	09:29:30	766.400	207.000	0.000	0.000	1974.000	1179.000	1209.000	69%	5.934
x		765.900	209.200	0.000	0.000	1957.000	1198.000	1203.000	69%	5.977
σ		0.966	2.343	0.000	0.000	16.840	24.480	7.557	0%	0.226
%RSD		0.126	1.120	0.000	0.000	0.861	2.044	0.628	1	3.772
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:27:14	2.992	2.119	47.950	1359.000	68.900	1384.000	1354.000	0.519	1.177
2	09:28:22	2.203	2.146	48.380	1357.000	68.210	1382.000	1368.000	0.508	1.138
3	09:29:30	3.035	2.108	46.990	1366.000	69.190	1388.000	1362.000	0.518	1.292
x		2.743	2.124	47.780	1361.000	68.760	1385.000	1361.000	0.515	1.202
σ		0.469	0.019	0.714	4.551	0.504	2.956	6.736	0.006	0.080
%RSD		17.080	0.916	1.494	0.334	0.733	0.214	0.495	1.208	6.665
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:27:14	3.910	3.723	3.443	1.702	-0.395	0.502	-0.029	-0.393	1.996
2	09:28:22	3.859	3.545	3.504	1.715	0.037	0.463	-0.843	0.036	0.380
3	09:29:30	3.839	3.796	3.597	1.673	-0.198	0.490	-0.232	-0.197	1.438
x		3.869	3.688	3.515	1.697	-0.185	0.485	-0.368	-0.185	1.271
σ		0.037	0.129	0.078	0.022	0.216	0.020	0.424	0.215	0.821
%RSD		0.952	3.498	2.210	1.277	116.700	4.163	115.200	116.300	64.590
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:27:14	4.541	0.230	0.675	0.254	0.214	0.004	72%	0.727	0.021
2	09:28:22	4.815	0.249	0.664	0.247	0.226	0.005	72%	0.372	0.020
3	09:29:30	4.532	0.223	0.626	0.228	0.216	-0.001	72%	0.933	0.012
x		4.629	0.234	0.655	0.243	0.219	0.002	72%	0.677	0.018
σ		0.161	0.013	0.026	0.014	0.007	0.003	0%	0.284	0.005
%RSD		3.471	5.757	3.968	5.614	3.122	118.900	0	41.880	27.660
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:27:14	-0.133	0.701	0.011	0.042	0.069	0.054	84.850	85.770	82%
2	09:28:22	-0.064	0.349	0.018	0.029	0.066	0.057	85.270	86.090	81%
3	09:29:30	-0.300	0.905	0.025	0.072	0.061	0.054	84.560	85.430	82%
x		-0.166	0.652	0.018	0.048	0.065	0.055	84.890	85.760	82%
σ		0.122	0.281	0.007	0.022	0.004	0.002	0.358	0.329	0%
%RSD		73.400	43.190	39.000	45.330	6.522	3.091	0.421	0.384	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:27:14	83%	0.013	0.014	1.522	1.367	1.424	88%	0.140	
2	09:28:22	83%	0.022	0.020	1.571	1.333	1.440	89%	0.143	
3	09:29:30	84%	0.013	0.013	1.509	1.406	1.450	88%	0.145	
x		83%	0.016	0.015	1.534	1.369	1.438	88%	0.143	
σ		0%	0.005	0.004	0.033	0.036	0.013	1%	0.002	
%RSD		0	32.840	24.640	2.119	2.651	0.913	1	1.571	

Reviewed By:aswal
On:11/21/2011
12:36:57 PM
Batch Id :P8

C4463-12X25 MH3B93 11/19/2011 09:34:03 AM

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	09:35:11	73%	0.039	18.060	0.000	18930.000	674.100	651.200	652.500	15.440
2	09:36:19	74%	-0.059	16.600	0.000	18850.000	669.300	652.100	652.500	14.570
3	09:37:27	73%	0.073	17.560	0.000	19130.000	677.200	647.300	663.200	15.460
x		73%	0.018	17.400	0.000	18970.000	673.500	650.200	656.100	15.150
σ		1%	0.068	0.742	0.000	143.600	3.979	2.584	6.160	0.508
%RSD		1	383.900	4.261	0.000	0.757	0.591	0.397	0.939	3.351

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:35:11	396.700	35.840	0.000	0.000	651.400	2275.000	2222.000	68%	1.928
2	09:36:19	394.500	35.090	0.000	0.000	653.900	2247.000	2227.000	68%	2.357
3	09:37:27	399.200	30.200	0.000	0.000	655.800	2225.000	2220.000	68%	1.978
x		396.800	33.710	0.000	0.000	653.700	2249.000	2223.000	68%	2.088
σ		2.355	3.053	0.000	0.000	2.201	25.030	3.419	0%	0.234
%RSD		0.594	9.086	0.000	0.000	0.337	1.113	0.154	0	11.230

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:35:11	0.828	0.347	42.510	169.300	139.500	167.200	185.600	0.025	0.309
2	09:36:19	0.877	0.302	42.250	171.400	140.900	168.500	185.400	0.029	0.261
3	09:37:27	0.477	0.244	42.150	172.100	138.700	168.700	183.800	0.025	0.288
x		0.727	0.298	42.310	170.900	139.700	168.100	184.900	0.026	0.286
σ		0.219	0.051	0.186	1.469	1.110	0.814	1.003	0.002	0.024
%RSD		30.050	17.270	0.440	0.859	0.795	0.484	0.542	9.008	8.366

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:35:11	0.330	0.252	0.895	1.931	0.077	0.434	-0.368	0.076	1.464
2	09:36:19	0.281	0.254	0.826	1.776	0.053	0.402	-0.905	0.052	1.235
3	09:37:27	0.356	0.260	0.843	1.661	-0.298	0.426	-0.430	-0.297	2.146
x		0.322	0.255	0.855	1.790	-0.056	0.420	-0.568	-0.056	1.615
σ		0.038	0.004	0.036	0.135	0.210	0.017	0.294	0.208	0.474
%RSD		11.740	1.606	4.194	7.567	375.300	3.929	51.780	370.500	29.340

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:35:11	1.125	0.045	0.127	0.067	0.017	0.001	72%	-0.447	0.008
2	09:36:19	1.056	0.024	0.112	0.035	0.031	-0.001	72%	-0.306	0.005
3	09:37:27	1.128	0.031	0.099	0.034	0.035	0.004	72%	-0.407	0.007
x		1.103	0.033	0.113	0.046	0.028	0.001	72%	-0.387	0.007
σ		0.041	0.010	0.014	0.019	0.010	0.002	0%	0.073	0.002
%RSD		3.715	31.290	12.200	41.610	35.160	182.500	1	18.770	23.120

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:35:11	0.338	-0.470	0.007	-0.066	0.028	0.077	5.697	5.851	81%
2	09:36:19	0.169	-0.330	0.007	-0.016	0.035	0.061	6.117	6.176	82%
3	09:37:27	0.213	-0.428	0.008	-0.038	0.033	0.081	5.675	5.862	82%
x		0.240	-0.409	0.008	-0.040	0.032	0.073	5.830	5.963	81%
σ		0.088	0.072	0.001	0.025	0.004	0.010	0.249	0.184	0%
%RSD		36.530	17.540	7.313	61.450	11.220	14.290	4.278	3.092	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:35:11	83%	0.007	0.009	0.084	0.065	0.082	89%	0.086
2	09:36:19	82%	0.004	0.010	0.095	0.074	0.084	89%	0.090
3	09:37:27	83%	0.006	0.009	0.085	0.070	0.083	89%	0.090
x		83%	0.005	0.009	0.088	0.069	0.083	89%	0.089
σ		0%	0.002	0.000	0.006	0.005	0.001	0%	0.002
%RSD		0	30.540	3.204	6.927	6.925	1.385	0	2.462

Reviewed By jaswal
On 11/21/2011
12:38:57 PM
Inst id: P6

C4463-06X25 MH3B89 11/19/2011 09:42:01 AM

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	09:43:09	73%	0.078	13.910	0.000	30200.000	1124.000	1092.000	1103.000	34.120
2	09:44:17	73%	0.078	14.220	0.000	30630.000	1146.000	1106.000	1122.000	35.470
3	09:45:25	73%	0.006	16.560	0.000	30500.000	1142.000	1103.000	1118.000	36.560
x		73%	0.054	14.890	0.000	30440.000	1137.000	1101.000	1114.000	35.390
σ		0%	0.041	1.449	0.000	222.700	11.750	7.712	9.760	1.220
%RSD		0	76.680	9.729	0.000	0.732	1.033	0.701	0.876	3.449

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:43:09	483.100	92.370	0.000	0.000	820.600	3164.000	3099.000	68%	18.710
2	09:44:17	494.000	92.560	0.000	0.000	832.400	3160.000	3138.000	68%	18.980
3	09:45:25	494.100	89.470	0.000	0.000	840.200	3165.000	3137.000	67%	18.370
x		490.400	91.470	0.000	0.000	831.100	3163.000	3125.000	68%	18.690
σ		6.310	1.733	0.000	0.000	9.880	2.468	22.120	0%	0.307
%RSD		1.287	1.894	0.000	0.000	1.189	0.078	0.708	0	1.644

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:43:09	6.025	1.455	38.110	266.300	197.200	263.800	282.100	0.087	0.755
2	09:44:17	6.344	1.508	38.170	267.300	198.600	267.100	278.800	0.081	0.825
3	09:45:25	6.396	1.446	38.020	270.400	198.800	266.600	285.800	0.086	0.799
x		6.255	1.469	38.100	268.000	198.200	265.800	282.200	0.085	0.793
σ		0.201	0.034	0.079	2.097	0.888	1.761	3.502	0.003	0.035
%RSD		3.215	2.298	0.207	0.783	0.448	0.662	1.241	3.964	4.463

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:43:09	0.392	0.322	0.601	3.579	-0.285	0.421	-0.592	-0.284	1.533
2	09:44:17	0.394	0.305	0.624	3.929	0.178	0.412	-0.493	0.176	0.245
3	09:45:25	0.421	0.359	0.623	4.031	0.191	0.381	-0.405	0.188	0.916
x		0.403	0.329	0.616	3.846	0.028	0.405	-0.496	0.027	0.898
σ		0.016	0.027	0.013	0.237	0.271	0.021	0.094	0.269	0.644
%RSD		3.957	8.321	2.071	6.169	975.000	5.154	18.850	1007.000	71.750

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:43:09	3.839	0.107	0.406	0.121	0.077	0.000	72%	0.136	0.005
2	09:44:17	3.845	0.076	0.396	0.102	0.089	0.001	72%	0.563	0.004
3	09:45:25	3.640	0.076	0.385	0.062	0.070	0.000	72%	0.765	0.004
x		3.775	0.087	0.396	0.095	0.079	0.000	72%	0.488	0.004
σ		0.117	0.018	0.010	0.030	0.010	0.001	0%	0.321	0.001
%RSD		3.092	20.610	2.646	31.690	12.420	154.200	0	65.750	12.320

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:43:09	0.118	0.113	0.008	-0.019	0.063	0.197	5.363	5.342	82%
2	09:44:17	-0.132	0.536	0.009	0.034	0.058	0.195	4.906	5.215	82%
3	09:45:25	-0.208	0.736	0.009	0.032	0.046	0.201	5.012	5.230	83%
x		-0.074	0.462	0.009	0.015	0.056	0.198	5.094	5.262	82%
σ		0.171	0.318	0.000	0.030	0.009	0.003	0.240	0.069	0%
%RSD		230.500	68.950	3.940	195.100	16.330	1.594	4.705	1.320	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:43:09	83%	0.009	0.014	0.125	0.125	0.124	89%	0.264
2	09:44:17	84%	0.016	0.013	0.131	0.122	0.127	90%	0.265
3	09:45:25	83%	0.007	0.015	0.129	0.123	0.124	89%	0.266
x		83%	0.011	0.014	0.128	0.123	0.125	89%	0.265
σ		0%	0.005	0.001	0.003	0.001	0.002	0%	0.001
%RSD		0	43.080	8.677	2.555	0.980	1.526	0	0.284

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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	09:51:05	75%	492.200	491.700	0.000	49190.000	47820.000	47490.000	47830.000	9573.000
2	09:52:13	77%	494.000	496.200	0.000	49340.000	47590.000	47170.000	47580.000	9543.000
3	09:53:21	76%	491.100	498.500	0.000	49340.000	48030.000	47770.000	47920.000	9570.000
x		76%	492.400	495.500	0.000	49290.000	47810.000	47470.000	47780.000	9562.000
σ		1%	1.500	3.455	0.000	85.100	217.600	300.000	176.700	16.230
%RSD		1	0.305	0.697	0.000	0.173	0.455	0.632	0.370	0.170
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:51:05	436.900	9382.000	0.000	0.000	25140.000	49670.000	51760.000	72%	501.700
2	09:52:13	434.100	9326.000	0.000	0.000	25050.000	49600.000	51850.000	72%	499.600
3	09:53:21	436.900	9330.000	0.000	0.000	25270.000	49960.000	52130.000	72%	492.700
x		436.000	9346.000	0.000	0.000	25150.000	49740.000	51910.000	72%	498.000
σ		1.611	31.140	0.000	0.000	110.200	191.600	194.700	0%	4.676
%RSD		0.369	0.333	0.000	0.000	0.438	0.385	0.375	1	0.939
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:51:05	503.600	501.300	34.300	26480.000	1065.000	26260.000	26170.000	500.400	496.700
2	09:52:13	502.200	503.900	33.310	26300.000	1058.000	26250.000	26220.000	498.900	494.100
3	09:53:21	498.900	502.200	32.160	26180.000	1062.000	26190.000	26110.000	498.400	495.200
x		501.600	502.500	33.260	26320.000	1062.000	26230.000	26170.000	499.200	495.300
σ		2.372	1.331	1.075	153.200	3.198	35.380	54.850	1.049	1.288
%RSD		0.473	0.265	3.232	0.582	0.301	0.135	0.210	0.210	0.260
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:51:05	1003.000	997.000	1020.000	498.400	500.300	-0.115	503.700	497.800	2.435
2	09:52:13	1006.000	996.600	1022.000	494.800	500.300	0.052	500.400	497.700	1.619
3	09:53:21	1006.000	998.100	1019.000	497.700	505.400	-0.368	498.100	502.400	2.254
x		1005.000	997.200	1021.000	497.000	502.000	-0.143	500.700	499.300	2.103
σ		1.605	0.799	1.595	1.900	2.937	0.211	2.825	2.649	0.429
%RSD		0.160	0.080	0.156	0.382	0.585	147.300	0.564	0.531	20.390
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:51:05	499.800	499.700	497.500	499.700	503.200	0.009	74%	518.400	526.800
2	09:52:13	498.500	501.800	493.500	498.700	501.000	0.003	75%	508.400	525.000
3	09:53:21	496.200	496.800	494.600	497.700	500.700	0.004	75%	504.100	519.300
x		498.200	499.400	495.200	498.700	501.700	0.006	75%	510.300	523.700
σ		1.837	2.518	2.065	0.995	1.376	0.003	1%	7.308	3.919
%RSD		0.369	0.504	0.417	0.200	0.274	51.970	1	1.432	0.748
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:51:05	5.686	516.300	528.100	514.700	511.500	507.300	2495.000	2548.000	84%
2	09:52:13	9.912	506.300	528.500	512.800	506.100	506.300	2464.000	2541.000	86%
3	09:53:21	7.662	502.200	523.800	506.400	501.300	502.900	2457.000	2523.000	86%
x		7.753	508.300	526.800	511.300	506.300	505.500	2472.000	2537.000	85%
σ		2.115	7.219	2.625	4.367	5.103	2.281	19.900	12.610	1%
%RSD		27.280	1.420	0.498	0.854	1.008	0.451	0.805	0.497	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	09:51:05	86%	500.300	514.300	501.000	501.900	509.400	90%	534.200	
2	09:52:13	87%	500.200	516.000	501.300	499.100	510.300	91%	528.900	
3	09:53:21	87%	500.800	515.400	502.300	503.100	509.400	91%	533.200	
x		87%	500.500	515.200	501.500	501.400	509.700	90%	532.100	
σ		0%	0.322	0.878	0.675	2.050	0.517	0%	2.803	
%RSD		0	0.064	0.170	0.135	0.409	0.102	0	0.527	

Reviewed By jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P8

CCB64 11/19/2011 09:57:51 AM

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	09:58:59	75%	0.059	6.502	0.000	171.600	2.844	2.589	3.284	2.562
2	10:00:07	75%	0.022	5.861	0.000	172.700	2.240	1.780	2.396	2.214
3	10:01:15	75%	-0.005	6.350	0.000	171.000	1.090	0.782	1.257	2.097
x		75%	0.025	6.238	0.000	171.800	2.058	1.717	2.312	2.291
σ		0%	0.032	0.335	0.000	0.878	0.891	0.905	1.016	0.241
%RSD		0	128.200	5.370	0.000	0.511	43.300	52.700	43.950	10.540

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:58:59	1.584	7.727	0.000	0.000	-13.580	-3.568	9.717	70%	-0.247
2	10:00:07	1.411	8.652	0.000	0.000	-11.650	-0.866	9.894	70%	-0.280
3	10:01:15	1.505	7.151	0.000	0.000	-10.510	-0.348	7.221	70%	-0.131
x		1.500	7.843	0.000	0.000	-11.910	-1.594	8.944	70%	-0.219
σ		0.087	0.757	0.000	0.000	1.552	1.729	1.494	0%	0.078
%RSD		5.780	9.656	0.000	0.000	13.030	108.500	16.710	0	35.750

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:58:59	0.286	0.081	25.830	0.930	0.198	-10.180	12.630	0.015	0.068
2	10:00:07	-0.013	0.059	25.490	-0.026	0.177	-10.960	11.460	0.008	0.028
3	10:01:15	-0.645	-0.007	25.350	0.651	0.154	-11.920	10.520	0.006	0.016
x		-0.124	0.045	25.560	0.518	0.176	-11.020	11.540	0.010	0.037
σ		0.475	0.046	0.247	0.492	0.022	0.873	1.057	0.005	0.027
%RSD		383.100	102.700	0.968	94.900	12.670	7.926	9.161	49.340	72.760

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:58:59	0.127	0.085	0.026	0.164	-0.125	0.238	-0.027	-0.125	2.132
2	10:00:07	0.108	0.005	0.066	-0.129	-0.778	0.268	-0.513	-0.773	2.631
3	10:01:15	0.058	0.039	0.042	-0.156	-0.149	0.265	-0.694	-0.148	1.580
x		0.098	0.043	0.044	-0.040	-0.350	0.257	-0.411	-0.349	2.114
σ		0.035	0.040	0.020	0.177	0.371	0.016	0.345	0.368	0.526
%RSD		36.190	92.970	45.190	443.100	105.700	6.321	83.840	105.500	24.860

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:58:59	0.351	0.343	0.361	0.401	0.355	0.002	75%	-0.377	0.047
2	10:00:07	0.212	0.183	0.227	0.285	0.220	0.004	74%	-0.589	0.033
3	10:01:15	0.174	0.182	0.176	0.185	0.184	0.001	75%	0.101	0.028
x		0.246	0.236	0.254	0.290	0.253	0.002	75%	-0.288	0.036
σ		0.093	0.093	0.095	0.108	0.090	0.001	1%	0.354	0.010
%RSD		37.930	39.350	37.480	37.230	35.630	66.230	1	122.700	27.860

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:58:59	0.212	-0.397	0.038	-0.022	0.539	0.974	0.116	0.106	84%
2	10:00:07	0.251	-0.610	0.044	-0.020	0.371	0.673	0.083	0.104	84%
3	10:01:15	-0.032	0.078	0.021	-0.008	0.334	0.512	0.050	0.038	85%
x		0.143	-0.310	0.034	-0.016	0.415	0.720	0.083	0.083	84%
σ		0.153	0.352	0.012	0.008	0.110	0.234	0.033	0.038	1%
%RSD		106.700	113.700	35.230	47.480	26.420	32.590	40.200	46.570	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:58:59	85%	0.059	0.059	0.011	0.019	0.019	92%	0.049
2	10:00:07	85%	0.050	0.053	0.011	0.013	0.011	91%	0.031
3	10:01:15	86%	0.042	0.037	-0.008	-0.006	0.001	93%	0.015
x		85%	0.051	0.050	0.005	0.009	0.010	92%	0.031
σ		1%	0.009	0.011	0.011	0.013	0.009	1%	0.017
%RSD		1	17.030	22.940	234.100	152.900	89.790	1	54.200

Reviewed By jaswal
On 11/21/2011
12:38:57 PM
Inst Id PE

C4463-17 MH3B98 11/19/2011 10:05:46 AM

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	10:06:54	71%	1.041	235.000	0.000	628100.000	24060.000	24060.000	23920.000	7164.000
2	10:08:02	71%	0.929	238.900	0.000	620700.000	23720.000	23800.000	23780.000	7124.000
3	10:09:10	71%	1.054	242.100	0.000	624900.000	23900.000	23770.000	23910.000	7107.000
x		71%	1.008	238.700	0.000	624600.000	23890.000	23880.000	23870.000	7132.000
σ		0%	0.069	3.541	0.000	3712.000	167.600	161.600	75.840	29.230
%RSD		0	6.824	1.484	0.000	0.594	0.702	0.677	0.318	0.410
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:06:54	17620.000	3368.000	0.000	0.000	8889.000	52760.000	54680.000	69%	359.700
2	10:08:02	17330.000	3303.000	0.000	0.000	8797.000	50900.000	53610.000	70%	350.200
3	10:09:10	17470.000	3280.000	0.000	0.000	8757.000	51100.000	53510.000	70%	356.100
x		17470.000	3317.000	0.000	0.000	8814.000	51590.000	53930.000	69%	355.300
σ		146.300	45.580	0.000	0.000	67.300	1023.000	648.900	1%	4.776
%RSD		0.837	1.374	0.000	0.000	0.763	1.983	1.203	1	1.344
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:06:54	100.000	137.700	132.100	29730.000	3224.000	29920.000	30010.000	8.939	41.750
2	10:08:02	95.270	134.600	139.900	28980.000	3126.000	29200.000	29380.000	8.813	41.150
3	10:09:10	96.920	135.700	142.300	29030.000	3138.000	29310.000	29470.000	8.712	41.040
x		97.400	136.000	138.100	29250.000	3163.000	29480.000	29620.000	8.821	41.310
σ		2.398	1.551	5.327	421.200	53.250	390.300	342.500	0.114	0.383
%RSD		2.462	1.140	3.858	1.440	1.684	1.324	1.156	1.291	0.928
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:06:54	95.820	94.000	55.010	133.600	0.395	1.232	0.524	0.395	2.764
2	10:08:02	93.390	92.960	53.830	131.000	0.956	1.293	-0.097	0.955	3.136
3	10:09:10	94.100	92.500	54.570	130.400	0.754	1.326	0.349	0.754	2.779
x		94.440	93.150	54.470	131.600	0.702	1.284	0.259	0.701	2.893
σ		1.251	0.773	0.600	1.718	0.284	0.047	0.320	0.284	0.210
%RSD		1.324	0.830	1.101	1.305	40.480	3.695	123.600	40.450	7.273
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:06:54	113.700	19.860	28.200	19.590	19.940	0.002	67%	12.380	0.347
2	10:08:02	111.800	19.440	27.690	20.120	19.810	0.001	68%	11.150	0.333
3	10:09:10	112.300	19.940	28.020	19.890	19.900	0.001	68%	11.330	0.317
x		112.600	19.750	27.970	19.870	19.890	0.001	68%	11.620	0.333
σ		1.011	0.270	0.258	0.267	0.069	0.001	1%	0.662	0.015
%RSD		0.898	1.368	0.923	1.346	0.346	42.280	1	5.699	4.506
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:06:54	-2.616	12.290	0.277	0.839	2.365	2.267	944.500	960.100	79%
2	10:08:02	-2.214	11.070	0.315	0.803	2.227	2.143	928.600	946.900	80%
3	10:09:10	-2.063	11.240	0.294	0.824	2.245	2.134	932.600	947.900	81%
x		-2.298	11.530	0.295	0.822	2.279	2.181	935.200	951.600	80%
σ		0.286	0.658	0.019	0.018	0.075	0.074	8.266	7.340	1%
%RSD		12.430	5.705	6.355	2.186	3.276	3.402	0.884	0.771	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	10:06:54	81%	0.296	0.287	33.210	29.540	31.300	82%	6.626	
2	10:08:02	82%	0.242	0.245	32.740	28.870	30.720	84%	6.479	
3	10:09:10	82%	0.234	0.234	33.060	28.930	30.850	84%	6.536	
x		82%	0.258	0.255	33.000	29.110	30.960	83%	6.547	
σ		1%	0.034	0.028	0.239	0.368	0.304	1%	0.074	
%RSD		1	13.130	11.020	0.725	1.264	0.982	1	1.133	

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Sheet Id :P6

C4463-07 MH3B90 11/19/2011 10:13:42 AM

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	10:14:50	71%	0.972	241.600	0.000	609500.000	23590.000	23650.000	23560.000	7609.000
2	10:15:58	71%	0.963	243.100	0.000	602500.000	23390.000	23550.000	23600.000	7525.000
3	10:17:06	71%	1.064	250.700	0.000	613800.000	23900.000	23860.000	23870.000	7686.000
x		71%	1.000	245.100	0.000	608600.000	23620.000	23690.000	23670.000	7607.000
σ		0%	0.056	4.874	0.000	5675.000	256.500	158.200	167.900	80.810
%RSD		0	5.564	1.989	0.000	0.932	1.086	0.668	0.709	1.062
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:14:50	18440.000	3231.000	0.000	0.000	8774.000	50030.000	52460.000	69%	359.900
2	10:15:58	18400.000	3201.000	0.000	0.000	8698.000	49990.000	52370.000	69%	362.000
3	10:17:06	18730.000	3242.000	0.000	0.000	8805.000	50330.000	53490.000	69%	367.100
x		18520.000	3225.000	0.000	0.000	8759.000	50120.000	52770.000	69%	363.000
σ		178.400	21.150	0.000	0.000	55.370	188.400	620.800	0%	3.714
%RSD		0.963	0.656	0.000	0.000	0.632	0.376	1.176	1	1.023
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:14:50	96.990	136.500	137.800	29220.000	3092.000	29080.000	29360.000	8.942	41.550
2	10:15:58	95.830	134.400	143.200	28760.000	3074.000	28990.000	29050.000	8.871	41.120
3	10:17:06	98.000	137.300	147.400	29310.000	3121.000	29600.000	29680.000	8.971	41.190
x		96.940	136.000	142.800	29100.000	3096.000	29230.000	29360.000	8.928	41.290
σ		1.087	1.462	4.791	294.500	23.770	330.000	316.400	0.052	0.231
%RSD		1.122	1.075	3.355	1.012	0.768	1.129	1.078	0.578	0.558
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:14:50	99.350	97.510	52.890	134.200	0.148	1.355	0.306	0.149	3.759
2	10:15:58	97.990	96.120	52.120	132.200	0.310	1.394	-0.068	0.310	3.300
3	10:17:06	98.980	97.490	52.860	133.900	0.379	1.397	0.020	0.379	3.579
x		98.770	97.040	52.630	133.400	0.279	1.382	0.086	0.279	3.546
σ		0.702	0.800	0.439	1.092	0.118	0.023	0.196	0.118	0.232
%RSD		0.711	0.825	0.834	0.819	42.400	1.683	227.400	42.250	6.527
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:14:50	109.100	21.200	29.260	21.020	21.220	0.005	67%	12.030	0.313
2	10:15:58	108.000	20.610	28.160	20.810	20.660	0.002	68%	10.680	0.298
3	10:17:06	109.300	21.260	28.600	21.270	21.000	0.006	68%	11.320	0.326
x		108.800	21.020	28.670	21.030	20.960	0.004	68%	11.340	0.312
σ		0.734	0.360	0.556	0.234	0.283	0.002	1%	0.674	0.014
%RSD		0.675	1.711	1.938	1.114	1.348	47.350	1	5.938	4.423
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:14:50	-2.325	11.930	0.258	0.853	2.031	2.359	965.900	989.200	80%
2	10:15:58	-2.277	10.590	0.272	0.833	2.002	2.321	956.700	970.500	81%
3	10:17:06	-2.153	11.230	0.263	0.813	2.075	2.304	964.900	985.600	81%
x		-2.252	11.250	0.264	0.833	2.036	2.328	962.500	981.800	81%
σ		0.089	0.668	0.007	0.020	0.037	0.028	5.036	9.910	0%
%RSD		3.938	5.935	2.698	2.407	1.803	1.217	0.523	1.009	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	10:14:50	82%	0.177	0.179	33.590	29.740	31.610	84%	6.647	
2	10:15:58	83%	0.169	0.164	33.240	29.400	31.260	85%	6.616	
3	10:17:06	82%	0.147	0.165	34.080	30.170	31.910	84%	6.653	
x		83%	0.164	0.169	33.640	29.770	31.590	85%	6.638	
σ		1%	0.015	0.009	0.418	0.384	0.321	1%	0.020	
%RSD		1	9.388	5.055	1.243	1.291	1.017	1	0.301	

Reviewed By:asw
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4463-08 MH3B90D 11/19/2011 10:21:37 AM

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	10:22:45	69%	0.995	252.000	0.000	618300.000	24110.000	24240.000	24160.000	7659.000
2	10:23:53	69%	0.954	250.400	0.000	617200.000	23980.000	23990.000	24070.000	7679.000
3	10:25:02	70%	1.128	238.000	0.000	608100.000	23720.000	23630.000	23700.000	7519.000
X		69%	1.025	246.800	0.000	614500.000	23940.000	23960.000	23970.000	7619.000
σ		0%	0.091	7.653	0.000	5630.000	199.200	306.900	243.700	86.920
%RSD		0	8.882	3.101	0.000	0.916	0.832	1.281	1.017	1.141

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:22:45	18790.000	3259.000	0.000	0.000	8808.000	50900.000	53450.000	68%	362.000
2	10:23:53	18700.000	3261.000	0.000	0.000	8832.000	50810.000	53390.000	68%	363.400
3	10:25:02	18250.000	3189.000	0.000	0.000	8644.000	50160.000	52330.000	68%	357.400
X		18580.000	3236.000	0.000	0.000	8761.000	50620.000	53060.000	68%	360.900
σ		288.200	40.860	0.000	0.000	102.000	404.100	632.600	0%	3.130
%RSD		1.551	1.263	0.000	0.000	1.164	0.798	1.192	0	0.867

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:22:45	96.840	137.300	141.700	29560.000	3154.000	29400.000	29760.000	9.086	41.970
2	10:23:53	96.960	135.100	148.100	29150.000	3139.000	29350.000	29430.000	8.888	41.010
3	10:25:02	95.820	133.800	148.700	28520.000	3081.000	28700.000	28850.000	8.788	41.830
X		96.540	135.400	146.200	29080.000	3125.000	29150.000	29350.000	8.921	41.610
σ		0.628	1.797	3.867	519.300	38.420	388.400	459.500	0.152	0.518
%RSD		0.650	1.327	2.645	1.765	1.230	1.333	1.566	1.698	1.245

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:22:45	100.400	98.920	54.890	134.400	0.127	1.452	0.203	0.127	3.068
2	10:23:53	99.350	97.540	54.510	133.700	0.647	1.398	-0.216	0.646	2.189
3	10:25:02	97.810	97.220	54.750	131.700	0.412	1.434	0.075	0.412	2.329
X		99.180	97.890	54.720	133.300	0.395	1.428	0.021	0.395	2.528
σ		1.287	0.902	0.191	1.380	0.261	0.028	0.215	0.260	0.472
%RSD		1.298	0.921	0.349	1.035	65.950	1.929	1042.000	65.810	18.680

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:22:45	110.900	20.830	28.950	21.050	21.270	0.007	66%	12.390	0.323
2	10:23:53	109.400	21.250	28.290	21.110	20.810	0.003	67%	11.290	0.293
3	10:25:02	109.000	20.940	28.460	20.510	21.030	0.006	67%	11.070	0.282
X		109.700	21.010	28.570	20.890	21.040	0.005	67%	11.580	0.299
σ		0.981	0.216	0.345	0.329	0.228	0.002	0%	0.705	0.021
%RSD		0.894	1.027	1.206	1.573	1.083	38.700	1	6.088	7.068

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:22:45	-2.614	12.290	0.274	0.936	2.057	2.266	983.300	999.600	79%
2	10:23:53	-2.332	11.200	0.265	0.856	1.977	2.286	960.000	978.100	81%
3	10:25:02	-2.356	10.970	0.271	0.836	1.950	2.264	959.700	978.200	80%
X		-2.434	11.490	0.270	0.876	1.995	2.272	967.700	985.300	80%
σ		0.156	0.705	0.005	0.053	0.056	0.012	13.510	12.390	1%
%RSD		6.426	6.137	1.729	6.014	2.799	0.544	1.396	1.258	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:22:45	81%	0.150	0.154	34.280	30.480	32.290	83%	6.893
2	10:23:53	82%	0.154	0.144	33.650	29.240	31.330	85%	6.682
3	10:25:02	82%	0.147	0.140	33.070	29.760	31.290	85%	6.643
X		82%	0.150	0.146	33.670	29.830	31.640	84%	6.739
σ		1%	0.003	0.007	0.606	0.624	0.566	1%	0.134
%RSD		1	2.228	5.007	1.801	2.091	1.788	1	1.995

Reviewed By:Jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4463-09 MH3B90S 11/19/2011 10:29:33 AM

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	10:30:41	67%	46.280	244.500	0.000	602700.000	23640.000	23560.000	23590.000	9525.000
2	10:31:49	69%	45.760	245.100	0.000	597100.000	23550.000	23530.000	23590.000	9347.000
3	10:32:58	68%	44.950	231.500	0.000	591100.000	23190.000	23460.000	23520.000	9340.000
x		68%	45.660	240.400	0.000	596900.000	23460.000	23520.000	23560.000	9404.000
σ		1%	0.670	7.671	0.000	5817.000	238.100	50.650	39.110	104.800
%RSD		1	1.466	3.191	0.000	0.974	1.015	0.215	0.166	1.114

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:30:41	18880.000	3140.000	0.000	0.000	8666.000	49450.000	51500.000	66%	386.800
2	10:31:49	18750.000	3086.000	0.000	0.000	8574.000	48890.000	51440.000	65%	388.000
3	10:32:58	18740.000	3102.000	0.000	0.000	8559.000	49080.000	51560.000	65%	385.700
x		18790.000	3110.000	0.000	0.000	8600.000	49140.000	51500.000	65%	386.800
σ		76.090	27.540	0.000	0.000	58.130	281.200	62.170	1%	1.145
%RSD		0.405	0.886	0.000	0.000	0.676	0.572	0.121	1	0.296

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:30:41	521.600	303.600	248.700	29750.000	3496.000	29950.000	30030.000	432.100	464.500
2	10:31:49	518.500	305.600	268.300	29560.000	3481.000	29780.000	29640.000	435.300	460.200
3	10:32:58	514.700	305.100	282.000	29640.000	3470.000	29580.000	29500.000	433.000	455.700
x		518.200	304.800	266.300	29650.000	3482.000	29770.000	29730.000	433.500	460.100
σ		3.438	1.070	16.720	99.210	13.190	187.500	275.900	1.644	4.424
%RSD		0.663	0.351	6.278	0.335	0.379	0.630	0.928	0.379	0.962

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:30:41	311.200	309.700	504.000	167.200	87.710	2.255	86.010	87.620	3.435
2	10:31:49	310.000	309.500	501.700	167.800	88.970	2.339	88.110	88.930	3.060
3	10:32:58	311.800	307.200	501.100	165.000	87.560	2.651	86.900	87.530	4.346
x		311.000	308.800	502.200	166.700	88.080	2.415	87.010	88.020	3.614
σ		0.910	1.355	1.532	1.479	0.772	0.208	1.056	0.785	0.662
%RSD		0.293	0.439	0.305	0.887	0.877	8.623	1.214	0.891	18.310

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:30:41	108.800	21.760	29.600	22.160	21.860	0.008	65%	58.100	44.910
2	10:31:49	109.700	21.940	29.860	21.990	21.810	0.007	63%	58.940	45.140
3	10:32:58	110.000	21.840	29.670	21.590	22.140	0.013	63%	58.650	45.040
x		109.500	21.850	29.710	21.920	21.940	0.010	64%	58.560	45.030
σ		0.626	0.092	0.136	0.291	0.177	0.003	1%	0.422	0.114
%RSD		0.572	0.423	0.456	1.329	0.806	34.900	1	0.721	0.254

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:30:41	-1.556	57.740	44.500	47.750	2.783	85.040	2710.000	2760.000	78%
2	10:31:49	-1.495	58.550	45.100	48.280	2.628	85.780	2699.000	2765.000	78%
3	10:32:58	-0.812	58.250	45.040	47.940	2.698	85.900	2713.000	2744.000	77%
x		-1.288	58.180	44.880	47.990	2.703	85.570	2707.000	2756.000	78%
σ		0.413	0.407	0.330	0.264	0.078	0.465	7.498	10.580	0%
%RSD		32.100	0.700	0.736	0.551	2.870	0.543	0.277	0.384	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:30:41	80%	44.960	45.130	53.200	47.300	49.870	83%	6.558
2	10:31:49	80%	45.330	46.010	53.820	47.250	50.350	82%	6.586
3	10:32:58	79%	44.950	45.170	52.900	47.300	49.870	82%	6.553
x		80%	45.080	45.440	53.310	47.280	50.030	82%	6.566
σ		0%	0.216	0.498	0.466	0.027	0.277	0%	0.018
%RSD		0	0.479	1.095	0.874	0.057	0.554	0	0.278

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4463-07LX5 MH3B90L 11/19/2011 10:37:30 AM

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	10:38:38	65%	0.303	58.790	0.000	125500.000	4847.000	4647.000	4706.000	1541.000
2	10:39:46	65%	0.281	58.130	0.000	125900.000	4860.000	4642.000	4721.000	1539.000
3	10:40:54	65%	0.344	54.220	0.000	124500.000	4769.000	4578.000	4641.000	1517.000
x		65%	0.310	57.050	0.000	125300.000	4825.000	4622.000	4689.000	1532.000
σ		0%	0.032	2.470	0.000	713.900	49.330	38.400	42.720	13.120
%RSD		0	10.300	4.330	0.000	0.570	1.022	0.831	0.911	0.856
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:38:38	3791.000	650.800	0.000	0.000	1845.000	10280.000	10250.000	61%	73.560
2	10:39:46	3809.000	663.700	0.000	0.000	1863.000	10400.000	10170.000	62%	72.880
3	10:40:54	3753.000	642.000	0.000	0.000	1806.000	10100.000	10020.000	63%	72.460
x		3784.000	652.200	0.000	0.000	1838.000	10260.000	10150.000	62%	72.970
σ		28.150	10.900	0.000	0.000	28.830	152.800	119.000	1%	0.558
%RSD		0.744	1.671	0.000	0.000	1.569	1.489	1.172	1	0.765
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:38:38	17.870	29.110	105.200	5982.000	627.300	6020.000	5937.000	2.102	9.038
2	10:39:46	18.580	29.100	102.200	6041.000	632.200	6055.000	5991.000	1.998	8.872
3	10:40:54	17.800	28.700	97.340	5852.000	613.600	5878.000	5809.000	2.027	8.826
x		18.080	28.970	101.600	5958.000	624.400	5984.000	5912.000	2.042	8.912
σ		0.431	0.234	3.981	96.950	9.640	94.060	93.140	0.053	0.112
%RSD		2.385	0.808	3.919	1.627	1.544	1.572	1.575	2.620	1.252
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:38:38	20.390	20.070	11.480	26.310	-0.161	1.046	-1.154	-0.161	2.815
2	10:39:46	20.470	19.810	11.030	26.010	-0.023	1.061	-0.707	-0.024	2.103
3	10:40:54	20.190	19.660	11.120	26.120	0.177	0.947	-0.409	0.175	1.618
x		20.350	19.850	11.210	26.150	-0.002	1.018	-0.757	-0.003	2.179
σ		0.145	0.205	0.237	0.155	0.170	0.062	0.375	0.169	0.602
%RSD		0.715	1.033	2.115	0.592	7137.000	6.103	49.560	5218.000	27.630
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:38:38	21.280	4.017	5.454	4.140	4.102	0.000	65%	1.244	0.105
2	10:39:46	20.980	4.017	5.635	4.140	4.140	0.002	66%	2.291	0.089
3	10:40:54	20.530	4.053	5.562	4.004	4.020	0.001	67%	1.462	0.086
x		20.930	4.029	5.550	4.095	4.087	0.001	66%	1.666	0.093
σ		0.379	0.021	0.091	0.078	0.062	0.001	1%	0.553	0.010
%RSD		1.809	0.516	1.639	1.915	1.505	89.120	1	33.190	10.630
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:38:38	0.090	1.204	0.088	0.102	0.390	0.556	191.200	195.000	78%
2	10:39:46	-0.649	2.247	0.074	0.207	0.400	0.513	190.200	194.400	78%
3	10:40:54	-0.120	1.421	0.099	0.120	0.388	0.483	186.600	190.100	80%
x		-0.226	1.624	0.087	0.143	0.393	0.517	189.300	193.200	79%
σ		0.381	0.551	0.013	0.056	0.007	0.037	2.398	2.658	1%
%RSD		168.500	33.910	14.400	39.200	1.688	7.181	1.267	1.376	1
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	10:38:38	80%	0.110	0.113	6.703	5.917	6.308	85%	1.318	
2	10:39:46	80%	0.087	0.089	6.628	5.958	6.232	87%	1.312	
3	10:40:54	82%	0.080	0.072	6.425	5.754	6.105	87%	1.271	
x		81%	0.092	0.091	6.585	5.876	6.215	86%	1.300	
σ		1%	0.016	0.020	0.144	0.108	0.103	1%	0.025	
%RSD		2	17.070	22.390	2.180	1.835	1.651	1	1.943	

C4463-17X25 MH3B98 11/19/2011 10:45:26 AM

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	10:46:34	65%	0.105	13.140	0.000	26190.000	973.500	948.300	949.900	296.500
2	10:47:42	65%	0.235	12.820	0.000	25880.000	968.600	943.100	950.700	290.800
3	10:48:50	65%	0.166	13.060	0.000	26180.000	978.400	949.700	961.400	295.100
x		65%	0.168	13.010	0.000	26080.000	973.500	947.000	954.000	294.100
σ		0%	0.065	0.166	0.000	176.200	4.889	3.466	6.436	2.955
%RSD		0	38.600	1.274	0.000	0.676	0.502	0.366	0.675	1.005

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:46:34	713.800	140.700	0.000	0.000	386.300	2224.000	2106.000	62%	14.120
2	10:47:42	711.500	139.100	0.000	0.000	380.700	2145.000	2100.000	62%	14.500
3	10:48:50	718.600	137.000	0.000	0.000	386.200	2165.000	2122.000	62%	14.770
x		714.600	138.900	0.000	0.000	384.400	2178.000	2109.000	62%	14.460
σ		3.598	1.864	0.000	0.000	3.186	40.960	11.210	0%	0.325
%RSD		0.503	1.342	0.000	0.000	0.829	1.881	0.532	0	2.249

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:46:34	3.040	5.809	66.020	1218.000	129.400	1237.000	1229.000	0.513	1.822
2	10:47:42	3.171	5.823	64.290	1219.000	129.300	1242.000	1216.000	0.440	1.908
3	10:48:50	3.077	5.666	63.900	1230.000	130.900	1252.000	1229.000	0.415	1.836
x		3.096	5.766	64.740	1222.000	129.900	1244.000	1225.000	0.456	1.855
σ		0.067	0.087	1.128	6.546	0.923	7.510	7.217	0.051	0.046
%RSD		2.179	1.508	1.743	0.536	0.710	0.604	0.589	11.180	2.481

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:46:34	4.010	3.956	2.356	5.228	-0.337	0.662	-0.474	-0.335	1.585
2	10:47:42	3.973	4.028	2.525	5.140	-0.269	0.663	-0.799	-0.268	2.847
3	10:48:50	3.966	3.986	2.457	4.593	-0.174	0.704	-0.922	-0.174	0.419
x		3.983	3.990	2.446	4.987	-0.260	0.677	-0.732	-0.259	1.617
σ		0.023	0.036	0.085	0.344	0.082	0.024	0.231	0.081	1.215
%RSD		0.589	0.911	3.486	6.896	31.510	3.515	31.630	31.370	75.110

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:46:34	4.086	0.818	1.075	0.824	0.743	0.001	67%	0.004	0.037
2	10:47:42	4.543	0.773	1.014	0.883	0.789	0.005	67%	-0.803	0.031
3	10:48:50	4.336	0.805	1.076	0.748	0.790	0.000	67%	0.049	0.026
x		4.322	0.799	1.055	0.818	0.774	0.002	67%	-0.250	0.031
σ		0.229	0.023	0.036	0.068	0.027	0.003	0%	0.479	0.005
%RSD		5.305	2.910	3.383	8.267	3.476	125.000	0	191.800	17.020

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:46:34	0.132	-0.027	0.034	-0.007	0.072	0.120	37.440	37.450	79%
2	10:47:42	0.462	-0.830	0.028	-0.050	0.080	0.105	37.400	38.440	79%
3	10:48:50	0.047	0.018	0.025	0.013	0.097	0.119	37.390	37.800	79%
x		0.214	-0.279	0.029	-0.015	0.083	0.115	37.410	37.900	79%
σ		0.219	0.477	0.004	0.032	0.012	0.008	0.024	0.502	0%
%RSD		102.600	170.700	15.040	218.700	14.960	7.181	0.065	1.324	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:46:34	81%	0.028	0.030	1.371	1.151	1.228	87%	0.264
2	10:47:42	80%	0.027	0.028	1.291	1.095	1.199	89%	0.249
3	10:48:50	81%	0.023	0.020	1.359	1.162	1.237	88%	0.260
x		81%	0.026	0.026	1.341	1.136	1.221	88%	0.257
σ		0%	0.003	0.005	0.043	0.036	0.020	1%	0.007
%RSD		1	10.270	20.670	3.200	3.165	1.612	1	2.897

C4463-07X25 MH3B90 11/19/2011 10:53:23 AM

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	10:54:31	66%	0.071	14.520	0.000	25100.000	956.600	927.900	930.400	314.100
2	10:55:39	65%	0.226	11.490	0.000	25380.000	962.200	936.700	948.200	314.800
3	10:56:47	65%	0.034	11.060	0.000	25510.000	965.700	934.300	950.200	319.000
x		65%	0.110	12.360	0.000	25330.000	961.500	933.000	943.000	315.900
σ		1%	0.102	1.888	0.000	207.400	4.630	4.553	10.880	2.642
%RSD		1	92.510	15.280	0.000	0.819	0.481	0.488	1.154	0.836
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:54:31	754.300	130.100	0.000	0.000	375.900	2072.000	2053.000	62%	15.000
2	10:55:39	759.500	136.100	0.000	0.000	378.900	2124.000	2069.000	62%	14.460
3	10:56:47	756.800	139.900	0.000	0.000	380.500	2037.000	2067.000	62%	14.890
x		756.900	135.400	0.000	0.000	378.500	2078.000	2063.000	62%	14.780
σ		2.569	4.943	0.000	0.000	2.306	43.960	8.948	0%	0.289
%RSD		0.339	3.651	0.000	0.000	0.609	2.116	0.434	0	1.954
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:54:31	3.700	5.736	53.780	1199.000	126.700	1230.000	1198.000	0.395	1.709
2	10:55:39	4.031	5.696	53.400	1211.000	125.600	1223.000	1203.000	0.373	1.911
3	10:56:47	3.514	5.838	53.510	1214.000	127.000	1237.000	1210.000	0.409	1.867
x		3.748	5.757	53.560	1208.000	126.500	1230.000	1204.000	0.392	1.829
σ		0.262	0.073	0.197	7.991	0.734	7.339	6.222	0.018	0.106
%RSD		6.989	1.272	0.368	0.662	0.580	0.597	0.517	4.630	5.802
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:54:31	4.076	3.846	2.532	5.521	0.125	0.525	-0.925	0.123	1.329
2	10:55:39	4.223	4.057	2.397	5.171	-0.243	0.581	-0.657	-0.242	2.294
3	10:56:47	4.156	4.064	2.469	5.125	-0.394	0.579	-1.202	-0.391	2.258
x		4.152	3.989	2.466	5.272	-0.171	0.562	-0.928	-0.170	1.960
σ		0.074	0.124	0.068	0.217	0.267	0.032	0.273	0.264	0.547
%RSD		1.777	3.095	2.739	4.112	156.500	5.666	29.370	155.400	27.900
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:54:31	4.185	0.836	1.016	0.898	0.754	0.004	67%	-0.090	0.024
2	10:55:39	4.266	0.828	1.132	0.965	0.774	0.003	66%	-0.186	0.014
3	10:56:47	4.206	0.869	1.089	0.828	0.756	0.004	66%	-0.512	0.015
x		4.219	0.844	1.079	0.897	0.761	0.004	66%	-0.263	0.018
σ		0.042	0.022	0.059	0.069	0.011	0.001	0%	0.221	0.006
%RSD		1.001	2.551	5.443	7.672	1.460	15.180	1	84.200	32.290
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:54:31	0.110	-0.121	0.012	-0.004	0.079	0.120	38.070	38.440	79%
2	10:55:39	0.187	-0.217	0.021	0.003	0.100	0.137	38.090	39.090	79%
3	10:56:47	0.318	-0.543	0.019	-0.049	0.083	0.094	37.550	39.200	79%
x		0.205	-0.293	0.017	-0.016	0.087	0.117	37.910	38.910	79%
σ		0.105	0.221	0.005	0.028	0.011	0.022	0.306	0.410	0%
%RSD		51.400	75.400	29.140	173.300	12.670	18.530	0.808	1.053	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	10:54:31	81%	0.033	0.024	1.347	1.170	1.282	88%	0.270	
2	10:55:39	81%	0.018	0.027	1.328	1.165	1.275	88%	0.269	
3	10:56:47	81%	0.023	0.019	1.295	1.186	1.262	88%	0.269	
x		81%	0.025	0.023	1.323	1.174	1.273	88%	0.269	
σ		0%	0.008	0.004	0.026	0.011	0.010	0%	0.001	
%RSD		0	31.430	17.810	1.983	0.941	0.786	0	0.322	

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4463-08X25 MH3B90D 11/19/2011 11:01:20 AM

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	11:02:28	65%	-0.017	10.960	0.000	25310.000	958.000	927.800	950.000	313.400
2	11:03:36	65%	0.021	13.570	0.000	25260.000	947.600	932.000	942.100	309.900
3	11:04:45	64%	0.111	10.220	0.000	25810.000	969.200	944.300	956.900	313.700
x		65%	0.039	11.580	0.000	25460.000	958.300	934.700	949.700	312.300
σ		1%	0.066	1.760	0.000	300.500	10.800	8.554	7.428	2.108
%RSD		1	171.200	15.190	0.000	1.181	1.127	0.915	0.782	0.675
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:02:28	756.500	138.000	0.000	0.000	385.800	2088.000	2063.000	61%	14.720
2	11:03:36	745.100	134.200	0.000	0.000	377.400	2023.000	2054.000	61%	14.400
3	11:04:45	763.100	140.900	0.000	0.000	386.900	2100.000	2095.000	61%	14.040
x		754.900	137.700	0.000	0.000	383.400	2070.000	2071.000	61%	14.390
σ		9.109	3.376	0.000	0.000	5.187	41.440	21.510	0%	0.340
%RSD		1.207	2.452	0.000	0.000	1.353	2.002	1.039	1	2.363
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:02:28	3.661	5.685	48.690	1213.000	128.000	1235.000	1211.000	0.377	1.834
2	11:03:36	3.715	5.560	48.540	1201.000	125.300	1227.000	1198.000	0.362	1.770
3	11:04:45	2.968	5.805	49.250	1216.000	127.800	1242.000	1222.000	0.361	1.799
x		3.448	5.683	48.830	1210.000	127.000	1235.000	1210.000	0.367	1.801
σ		0.416	0.122	0.378	8.142	1.492	7.554	12.300	0.009	0.032
%RSD		12.080	2.151	0.773	0.673	1.175	0.612	1.016	2.549	1.760
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:02:28	4.127	4.221	2.443	5.224	-0.175	0.511	-0.696	-0.174	2.245
2	11:03:36	4.154	4.183	2.500	5.084	0.045	0.541	-0.781	0.044	0.410
3	11:04:45	4.213	4.136	2.467	5.538	-0.258	0.475	-1.003	-0.256	1.941
x		4.165	4.180	2.470	5.282	-0.129	0.509	-0.827	-0.129	1.532
σ		0.044	0.043	0.029	0.233	0.157	0.033	0.159	0.155	0.983
%RSD		1.059	1.028	1.155	4.408	121.300	6.462	19.220	120.400	64.190
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:02:28	3.956	0.820	1.155	0.816	0.786	0.006	66%	-0.747	0.014
2	11:03:36	4.181	0.861	1.173	0.815	0.769	0.008	66%	0.395	0.017
3	11:04:45	4.422	0.842	1.154	0.710	0.751	0.005	66%	0.953	0.020
x		4.186	0.841	1.160	0.780	0.769	0.006	66%	0.201	0.017
σ		0.233	0.020	0.011	0.061	0.018	0.001	0%	0.866	0.003
%RSD		5.565	2.413	0.916	7.766	2.323	23.420	0	432.000	15.870
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:02:28	0.570	-0.774	0.022	-0.077	0.059	0.104	38.300	39.110	78%
2	11:03:36	-0.026	0.361	0.015	0.017	0.076	0.102	37.620	38.260	78%
3	11:04:45	-0.342	0.917	0.021	0.063	0.083	0.125	38.690	38.830	78%
x		0.067	0.168	0.019	0.001	0.073	0.110	38.210	38.730	78%
σ		0.463	0.862	0.003	0.072	0.012	0.013	0.540	0.429	0%
%RSD		689.600	511.900	18.020	6313.000	16.910	11.490	1.415	1.107	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	11:02:28	79%	0.016	0.017	1.306	1.133	1.226	87%	0.262	
2	11:03:36	80%	0.013	0.014	1.349	1.172	1.251	88%	0.256	
3	11:04:45	80%	0.010	0.014	1.352	1.202	1.276	87%	0.269	
x		80%	0.013	0.015	1.335	1.169	1.251	87%	0.262	
σ		1%	0.003	0.002	0.026	0.034	0.025	1%	0.006	
%RSD		1	25.560	11.450	1.911	2.941	1.983	1	2.437	

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P8

C4463-09X25 MH3B90S 11/19/2011 11:09:18 AM

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	11:10:26	65%	1.849	14.280	0.000	24620.000	938.500	911.000	922.900	381.100
2	11:11:35	65%	2.103	13.600	0.000	24530.000	932.800	910.600	930.400	385.400
3	11:12:43	65%	1.971	9.806	0.000	24200.000	920.000	902.400	903.700	373.100
x		65%	1.974	12.560	0.000	24450.000	930.400	908.000	919.000	379.900
σ		0%	0.127	2.411	0.000	224.000	9.487	4.883	13.780	6.215
%RSD		0	6.431	19.190	0.000	0.916	1.020	0.538	1.499	1.636
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:10:26	757.700	131.900	0.000	0.000	376.500	2017.000	2002.000	61%	15.810
2	11:11:35	760.700	133.700	0.000	0.000	380.900	1973.000	2030.000	61%	14.850
3	11:12:43	733.000	132.900	0.000	0.000	359.000	1991.000	1951.000	62%	14.710
x		750.500	132.800	0.000	0.000	372.100	1994.000	1994.000	61%	15.120
σ		15.190	0.913	0.000	0.000	11.590	22.460	40.240	1%	0.601
%RSD		2.024	0.687	0.000	0.000	3.114	1.127	2.018	1	3.973
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:10:26	20.040	12.380	48.060	1249.000	141.900	1246.000	1230.000	17.980	19.550
2	11:11:35	20.180	12.570	48.300	1225.000	142.100	1260.000	1236.000	17.930	19.730
3	11:12:43	20.210	12.230	46.420	1186.000	138.400	1212.000	1186.000	17.200	18.720
x		20.140	12.390	47.590	1220.000	140.800	1239.000	1217.000	17.700	19.330
σ		0.087	0.167	1.022	31.950	2.107	24.710	27.370	0.436	0.534
%RSD		0.431	1.346	2.148	2.619	1.496	1.994	2.248	2.464	2.762
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:10:26	13.040	13.080	21.200	6.278	2.638	0.524	2.555	2.613	2.839
2	11:11:35	13.020	13.060	21.550	6.434	3.992	0.480	2.590	3.954	1.684
3	11:12:43	12.840	12.470	20.530	6.149	2.772	0.500	2.274	2.745	0.987
x		12.970	12.870	21.090	6.287	3.134	0.501	2.473	3.104	1.837
σ		0.113	0.346	0.520	0.143	0.746	0.022	0.173	0.739	0.936
%RSD		0.872	2.686	2.468	2.269	23.810	4.406	6.994	23.800	50.940
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:10:26	4.318	0.799	1.141	0.787	0.885	0.003	65%	2.021	1.763
2	11:11:35	4.175	0.902	1.159	0.805	0.884	0.005	66%	2.052	1.787
3	11:12:43	4.253	0.824	1.123	0.846	0.845	0.007	67%	0.950	1.788
x		4.249	0.842	1.141	0.813	0.871	0.005	66%	1.674	1.779
σ		0.072	0.054	0.018	0.030	0.023	0.002	1%	0.628	0.014
%RSD		1.683	6.375	1.579	3.701	2.642	37.840	1	37.500	0.810
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:10:26	0.050	1.979	1.802	1.807	0.099	3.430	108.400	108.300	78%
2	11:11:35	0.001	2.007	1.814	2.001	0.094	3.333	107.700	110.000	79%
3	11:12:43	0.449	0.912	1.796	1.681	0.100	3.363	105.800	107.200	80%
x		0.167	1.633	1.804	1.830	0.098	3.375	107.300	108.500	79%
σ		0.245	0.625	0.009	0.162	0.004	0.050	1.375	1.392	1%
%RSD		147.300	38.250	0.507	8.832	3.603	1.478	1.281	1.283	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	11:10:26	80%	1.791	1.808	2.177	1.889	1.990	87%	0.256	
2	11:11:35	81%	1.818	1.768	2.091	1.871	1.946	88%	0.262	
3	11:12:43	81%	1.745	1.748	2.083	1.829	1.931	89%	0.243	
x		81%	1.784	1.775	2.117	1.863	1.956	88%	0.254	
σ		1%	0.037	0.030	0.052	0.031	0.031	1%	0.010	
%RSD		1	2.066	1.715	2.464	1.638	1.574	1	3.864	

Reviewed By:jdwolf
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4463-07LX125 MH3B90L 11/19/2011 11:17:16 AM

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	11:18:24	65%	0.066	2.976	0.000	5306.000	193.600	188.000	189.800	69.400
2	11:19:32	64%	0.076	3.046	0.000	5362.000	194.600	191.200	191.800	69.550
3	11:20:40	65%	-0.003	4.636	0.000	5208.000	187.700	183.200	188.000	67.330
x		65%	0.046	3.553	0.000	5292.000	192.000	187.400	189.900	68.760
σ		1%	0.043	0.939	0.000	77.860	3.708	4.037	1.922	1.242
%RSD		1	92.240	26.420	0.000	1.471	1.931	2.154	1.012	1.807
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:18:24	149.700	33.310	0.000	0.000	90.900	435.900	424.900	61%	3.002
2	11:19:32	149.500	35.100	0.000	0.000	95.360	424.100	422.600	61%	2.460
3	11:20:40	146.600	31.590	0.000	0.000	83.570	402.700	400.400	62%	3.218
x		148.600	33.330	0.000	0.000	89.940	420.900	416.000	61%	2.893
σ		1.729	1.753	0.000	0.000	5.956	16.850	13.510	1%	0.390
%RSD		1.164	5.259	0.000	0.000	6.622	4.002	3.248	1	13.490
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:18:24	0.499	1.195	36.650	236.400	25.510	235.600	241.800	0.075	0.450
2	11:19:32	0.853	1.232	35.820	239.700	25.470	235.900	250.000	0.084	0.444
3	11:20:40	0.552	1.138	34.810	228.900	24.620	227.400	240.200	0.094	0.441
x		0.634	1.189	35.760	235.000	25.200	232.900	244.000	0.084	0.445
σ		0.191	0.047	0.924	5.501	0.504	4.828	5.235	0.010	0.005
%RSD		30.050	3.975	2.583	2.341	1.999	2.073	2.146	11.290	1.079
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:18:24	0.907	0.747	0.592	0.841	-0.216	0.390	-1.012	-0.215	0.675
2	11:19:32	0.969	0.806	0.616	0.953	-0.285	0.385	-0.685	-0.283	2.378
3	11:20:40	0.892	0.822	0.572	1.056	-0.079	0.354	-1.072	-0.080	1.695
x		0.923	0.791	0.594	0.950	-0.193	0.377	-0.923	-0.193	1.583
σ		0.041	0.039	0.022	0.108	0.105	0.019	0.208	0.103	0.857
%RSD		4.428	4.943	3.726	11.310	54.090	5.157	22.550	53.780	54.160
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:18:24	0.808	0.163	0.175	0.214	0.117	0.007	66%	-0.797	0.003
2	11:19:32	0.815	0.186	0.251	0.237	0.150	0.000	66%	-1.011	0.006
3	11:20:40	0.772	0.136	0.195	0.176	0.173	0.002	67%	-0.789	0.004
x		0.798	0.162	0.207	0.209	0.147	0.003	67%	-0.866	0.004
σ		0.023	0.025	0.039	0.030	0.028	0.004	0%	0.126	0.002
%RSD		2.898	15.760	18.870	14.520	19.160	115.900	1	14.560	35.640
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:18:24	0.429	-0.824	0.010	-0.074	0.054	0.038	7.810	7.826	78%
2	11:19:32	0.461	-1.038	0.004	-0.086	0.030	0.027	7.619	7.736	79%
3	11:20:40	0.393	-0.818	0.007	-0.070	0.037	0.034	7.292	7.439	81%
x		0.428	-0.893	0.007	-0.077	0.040	0.033	7.574	7.667	79%
σ		0.034	0.125	0.003	0.009	0.012	0.005	0.262	0.203	1%
%RSD		7.897	14.020	41.850	11.190	30.630	16.090	3.460	2.644	2
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	11:18:24	80%	0.010	0.008	0.252	0.196	0.236	88%	0.053	
2	11:19:32	81%	0.013	0.009	0.275	0.241	0.252	89%	0.057	
3	11:20:40	82%	0.008	0.011	0.246	0.232	0.237	90%	0.047	
x		81%	0.011	0.010	0.257	0.223	0.242	89%	0.052	
σ		1%	0.002	0.001	0.015	0.024	0.009	1%	0.005	
%RSD		1	21.490	12.660	5.900	10.740	3.854	1	8.734	

Reviewed By:jaswal
on:11/21/2011
12:38:57 PM
Inst Id :P6

CCV65 11/19/2011 11:25:12 AM

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	11:26:20	66%	498.500	481.100	0.000	49350.000	48520.000	48780.000	48640.000	9755.000
2	11:27:28	66%	496.500	490.800	0.000	49100.000	48320.000	48390.000	48530.000	9718.000
3	11:28:36	67%	490.400	491.200	0.000	48840.000	47960.000	47740.000	48170.000	9564.000
x		67%	495.100	487.700	0.000	49090.000	48260.000	48300.000	48450.000	9679.000
σ		1%	4.214	5.707	0.000	252.800	281.900	525.300	246.700	101.000
%RSD		1	0.851	1.170	0.000	0.515	0.584	1.088	0.509	1.044

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:26:20	450.100	9237.000	0.000	0.000	25020.000	50030.000	51980.000	64%	493.400
2	11:27:28	453.100	9298.000	0.000	0.000	24870.000	49970.000	51940.000	65%	494.900
3	11:28:36	442.900	9198.000	0.000	0.000	24700.000	49880.000	51320.000	65%	491.300
x		448.700	9245.000	0.000	0.000	24860.000	49960.000	51750.000	65%	493.200
σ		5.258	50.290	0.000	0.000	160.800	76.920	371.200	0%	1.794
%RSD		1.172	0.544	0.000	0.000	0.647	0.154	0.717	0	0.364

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:26:20	493.400	500.800	35.120	26300.000	1061.000	26160.000	26090.000	493.900	490.600
2	11:27:28	491.600	498.700	32.950	26210.000	1057.000	26000.000	25850.000	486.500	483.200
3	11:28:36	486.000	492.500	35.010	26000.000	1058.000	25970.000	25710.000	488.600	480.700
x		490.300	497.400	34.360	26170.000	1059.000	26050.000	25890.000	489.600	484.900
σ		3.829	4.338	1.218	152.600	2.118	103.700	192.600	3.822	5.146
%RSD		0.781	0.872	3.546	0.583	0.200	0.398	0.744	0.781	1.061

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:26:20	986.800	976.300	1025.000	494.800	512.100	0.055	507.900	508.700	0.836
2	11:27:28	975.000	971.200	1018.000	492.200	505.600	-0.157	501.100	501.800	1.554
3	11:28:36	983.900	974.700	1019.000	488.700	503.000	-0.021	505.900	499.500	1.265
x		981.900	974.100	1021.000	491.900	506.900	-0.041	504.900	503.300	1.218
σ		6.175	2.564	3.946	3.052	4.695	0.107	3.497	4.795	0.361
%RSD		0.629	0.263	0.387	0.620	0.926	261.300	0.693	0.953	29.660

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:26:20	503.300	501.200	504.800	502.500	503.800	0.008	67%	519.700	530.600
2	11:27:28	498.200	497.100	493.000	494.600	496.900	0.007	69%	516.800	521.500
3	11:28:36	498.900	499.000	497.700	499.100	502.100	0.007	68%	519.700	526.500
x		500.200	499.100	498.500	498.700	500.900	0.007	68%	518.700	526.200
σ		2.746	2.085	5.929	3.932	3.600	0.001	1%	1.696	4.523
%RSD		0.549	0.418	1.189	0.788	0.719	8.718	1	0.327	0.860

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:26:20	12.840	516.900	531.500	522.200	515.100	513.100	2482.000	2505.000	81%
2	11:27:28	6.422	514.200	523.800	511.600	508.300	512.500	2436.000	2489.000	81%
3	11:28:36	3.403	517.000	522.700	514.400	512.700	513.300	2452.000	2489.000	81%
x		7.554	516.000	526.000	516.100	512.000	513.000	2456.000	2494.000	81%
σ		4.818	1.616	4.784	5.469	3.480	0.413	23.240	9.401	0%
%RSD		63.780	0.313	0.909	1.060	0.680	0.081	0.946	0.377	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:26:20	83%	506.400	518.400	505.900	507.400	516.000	87%	547.800
2	11:27:28	83%	503.000	518.000	505.500	508.300	511.100	87%	540.100
3	11:28:36	83%	498.500	514.900	499.400	500.700	507.400	88%	535.700
x		83%	502.600	517.100	503.600	505.500	511.500	88%	541.200
σ		0%	3.970	1.929	3.627	4.143	4.321	1%	6.106
%RSD		0	0.790	0.373	0.720	0.820	0.845	1	1.128

Reviewed By Jaswal
On 12/1/2011
12:38:57 PM
Inst Id: PE

CCB65 11/19/2011 11:33:07 AM

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	11:34:15	65%	0.101	9.910	0.000	285.100	0.284	0.274	0.750	5.491
2	11:35:23	65%	0.142	6.463	0.000	280.000	-0.294	-0.506	0.022	5.672
3	11:36:32	65%	0.062	6.719	0.000	282.100	0.095	-0.377	0.190	5.325
x		65%	0.102	7.697	0.000	282.400	0.028	-0.203	0.321	5.496
σ		0%	0.040	1.921	0.000	2.556	0.295	0.418	0.381	0.174
%RSD		0	39.680	24.960	0.000	0.905	1039.000	206.200	118.800	3.159

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:15	0.507	12.490	0.000	0.000	7.620	0.169	7.016	62%	-0.196
2	11:35:23	1.765	7.352	0.000	0.000	0.599	4.714	3.788	62%	0.028
3	11:36:32	1.846	8.932	0.000	0.000	4.879	-1.369	7.241	62%	-0.032
x		1.372	9.592	0.000	0.000	4.366	1.171	6.015	62%	-0.067
σ		0.751	2.632	0.000	0.000	3.539	3.163	1.932	0%	0.116
%RSD		54.710	27.440	0.000	0.000	81.060	270.000	32.120	0	173.800

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:15	-0.791	0.020	29.160	1.730	0.135	-14.230	6.481	0.005	0.006
2	11:35:23	-0.148	0.055	27.970	-1.736	0.153	-14.360	8.023	0.002	0.037
3	11:36:32	-0.128	0.015	26.800	-2.837	0.188	-14.750	6.724	0.005	0.018
x		-0.355	0.030	27.970	-0.948	0.159	-14.450	7.076	0.004	0.020
σ		0.377	0.022	1.179	2.383	0.027	0.272	0.829	0.002	0.016
%RSD		106.100	72.790	4.215	251.400	17.170	1.881	11.720	54.600	77.810

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:15	0.087	-0.001	0.076	0.321	-0.174	0.232	-0.840	-0.174	2.224
2	11:35:23	0.077	0.025	-0.026	-0.225	-0.012	0.291	-0.168	-0.013	1.131
3	11:36:32	0.096	0.018	0.008	0.040	0.190	0.267	-0.818	0.187	0.603
x		0.087	0.014	0.019	0.046	0.001	0.263	-0.609	0.000	1.319
σ		0.010	0.013	0.052	0.273	0.183	0.030	0.382	0.181	0.827
%RSD		11.270	95.070	272.000	598.600	14870.000	11.330	62.700	168900.000	62.690

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:15	0.347	0.318	0.335	0.276	0.308	0.007	68%	0.108	0.017
2	11:35:23	0.254	0.234	0.234	0.239	0.202	0.001	67%	-0.395	0.012
3	11:36:32	0.200	0.163	0.140	0.205	0.172	0.004	67%	-0.655	0.017
x		0.267	0.239	0.236	0.240	0.227	0.004	67%	-0.314	0.015
σ		0.075	0.078	0.098	0.036	0.071	0.003	0%	0.388	0.003
%RSD		27.970	32.490	41.420	14.830	31.410	72.940	0	123.500	20.370

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:15	-0.061	0.079	0.025	0.002	0.483	0.941	0.052	0.039	79%
2	11:35:23	0.182	-0.422	0.007	-0.044	0.398	0.717	0.021	0.024	79%
3	11:36:32	0.315	-0.681	0.025	-0.060	0.315	0.495	0.058	0.024	79%
x		0.145	-0.342	0.019	-0.034	0.399	0.718	0.044	0.029	79%
σ		0.191	0.387	0.011	0.032	0.084	0.223	0.020	0.009	0%
%RSD		131.300	113.100	55.650	94.910	21.030	31.060	46.360	29.530	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:34:15	80%	0.052	0.055	0.015	0.002	0.006	89%	0.028
2	11:35:23	80%	0.038	0.041	-0.013	-0.007	-0.005	89%	0.015
3	11:36:32	81%	0.041	0.046	-0.002	-0.003	-0.002	89%	0.012
x		81%	0.044	0.047	0.000	-0.003	-0.000	89%	0.018
σ		1%	0.008	0.007	0.014	0.005	0.006	0%	0.008
%RSD		1	17.320	14.920	6882.000	170.700	2278.000	0	44.900

Reviewed By [illegible]
On 11/21/2011
12:38:57 PM
Inst Id :P6

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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	14:05:43	63%	505.000	497.700	0.000	49050.000	47750.000	47230.000	47710.000	9583.000
2	14:06:52	65%	484.900	483.500	0.000	47720.000	46420.000	45800.000	45940.000	9257.000
3	14:08:00	63%	506.200	500.500	0.000	49210.000	47660.000	46990.000	47480.000	9524.000
x		63%	498.700	493.900	0.000	48660.000	47280.000	46680.000	47040.000	9455.000
σ		1%	11.950	9.124	0.000	816.100	741.500	766.000	959.600	173.800
%RSD		2	2.397	1.847	0.000	1.677	1.568	1.641	2.040	1.838
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:43	438.700	9393.000	0.000	0.000	24750.000	49840.000	51500.000	63%	498.200
2	14:06:52	423.000	9094.000	0.000	0.000	24260.000	48690.000	50090.000	65%	484.800
3	14:08:00	436.600	9415.000	0.000	0.000	24730.000	49710.000	51340.000	64%	504.300
x		432.800	9301.000	0.000	0.000	24580.000	49410.000	50970.000	64%	495.800
σ		8.512	179.500	0.000	0.000	276.900	631.600	773.900	1%	9.996
%RSD		1.967	1.930	0.000	0.000	1.126	1.278	1.518	1	2.016
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:43	503.200	504.800	10.760	26270.000	1051.000	25990.000	26300.000	497.700	497.100
2	14:06:52	483.100	489.100	10.970	25270.000	1019.000	25080.000	25380.000	483.800	481.700
3	14:08:00	499.900	501.100	11.170	26310.000	1056.000	25840.000	26160.000	501.400	494.600
x		495.400	498.300	10.970	25950.000	1042.000	25640.000	25950.000	494.300	491.100
σ		10.770	8.224	0.204	590.600	19.910	490.700	495.700	9.305	8.263
%RSD		2.174	1.650	1.858	2.276	1.911	1.914	1.910	1.882	1.683
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:43	999.500	989.600	1019.000	494.100	508.000	-0.351	507.800	504.500	1.140
2	14:06:52	966.900	964.700	991.300	481.300	499.300	-0.410	493.900	495.400	1.159
3	14:08:00	1007.000	995.700	1019.000	494.400	509.500	-0.287	509.700	505.800	1.682
x		991.100	983.300	1010.000	490.000	505.600	-0.349	503.800	501.900	1.327
σ		21.210	16.390	15.790	7.474	5.520	0.062	8.620	5.688	0.308
%RSD		2.140	1.666	1.565	1.525	1.092	17.680	1.711	1.133	23.180
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:43	500.500	499.500	500.300	501.600	499.500	0.007	67%	522.800	535.100
2	14:06:52	478.000	478.300	483.600	480.100	484.200	0.008	69%	502.300	511.200
3	14:08:00	501.200	503.500	495.100	496.500	496.800	0.006	67%	514.100	529.900
x		493.200	493.800	493.000	492.700	493.500	0.007	68%	513.100	525.400
σ		13.220	13.560	8.544	11.200	8.173	0.001	1%	10.300	12.550
%RSD		2.681	2.746	1.733	2.272	1.656	13.090	2	2.007	2.368
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:05:43	6.772	520.100	525.300	516.000	507.900	503.400	2456.000	2495.000	79%
2	14:06:52	3.928	500.000	505.300	500.800	491.100	487.500	2374.000	2419.000	80%
3	14:08:00	8.102	511.700	529.200	512.400	507.300	507.100	2442.000	2509.000	79%
x		6.267	510.600	519.900	509.700	502.100	499.300	2424.000	2474.000	79%
σ		2.132	10.110	12.800	7.974	9.521	10.450	43.630	48.510	1%
%RSD		34.020	1.981	2.462	1.564	1.896	2.093	1.800	1.961	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	14:05:43	81%	506.600	514.500	505.500	505.200	512.100	85%	535.300	
2	14:06:52	82%	486.800	498.200	489.700	487.100	491.800	87%	515.000	
3	14:08:00	81%	501.500	509.200	501.900	500.500	503.800	86%	530.700	
x		81%	498.300	507.300	499.000	497.600	502.500	86%	527.000	
σ		1%	10.260	8.284	8.255	9.405	10.200	1%	10.630	
%RSD		1	2.058	1.633	1.654	1.890	2.029	2	2.018	

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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	14:13:39	64%	0.043	7.157	0.000	268.800	-0.606	-0.877	-0.517	6.455
2	14:14:47	63%	0.016	6.816	0.000	276.200	0.726	0.325	0.533	7.416
3	14:15:55	62%	0.093	6.188	0.000	287.800	4.914	4.508	5.042	8.404
x		63%	0.051	6.720	0.000	277.600	1.678	1.318	1.686	7.425
σ		1%	0.039	0.491	0.000	9.577	2.881	2.827	2.954	0.975
%RSD		1	76.830	7.311	0.000	3.450	171.700	214.400	175.200	13.120

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:13:39	0.022	5.565	0.000	0.000	2.462	1.396	92.500	63%	-0.274
2	14:14:47	-0.678	8.626	0.000	0.000	4.724	-1.549	90.820	63%	-0.234
3	14:15:55	-0.510	11.370	0.000	0.000	12.110	7.481	90.810	62%	-0.113
x		-0.389	8.520	0.000	0.000	6.433	2.443	91.380	63%	-0.207
σ		0.366	2.904	0.000	0.000	5.047	4.605	0.976	1%	0.084
%RSD		94.100	34.080	0.000	0.000	78.450	188.500	1.068	1	40.570

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:13:39	-0.087	-0.010	11.310	-2.525	0.145	-9.413	11.710	0.015	0.007
2	14:14:47	-0.329	-0.018	11.200	-2.244	0.188	-9.344	12.060	0.024	0.015
3	14:15:55	0.056	0.008	10.860	3.356	0.248	-6.122	19.050	0.067	0.038
x		-0.120	-0.007	11.120	-0.471	0.194	-8.293	14.270	0.035	0.020
σ		0.194	0.013	0.239	3.317	0.052	1.881	4.139	0.028	0.016
%RSD		161.700	195.400	2.146	704.700	26.780	22.680	29.000	78.520	78.890

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:13:39	0.161	0.029	0.074	-0.153	-0.481	0.124	-0.415	-0.477	2.453
2	14:14:47	0.132	0.122	0.132	-0.081	-0.547	0.118	-0.645	-0.543	1.094
3	14:15:55	0.225	0.197	0.157	-0.007	-0.471	0.101	-1.044	-0.467	2.932
x		0.173	0.116	0.121	-0.080	-0.500	0.114	-0.701	-0.496	2.160
σ		0.047	0.085	0.043	0.073	0.042	0.012	0.318	0.041	0.954
%RSD		27.380	72.930	35.210	91.000	8.307	10.520	45.380	8.322	44.160

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:13:39	0.352	0.377	0.288	0.281	0.294	0.003	68%	0.634	0.021
2	14:14:47	0.188	0.203	0.220	0.249	0.214	0.003	68%	-0.092	0.028
3	14:15:55	0.180	0.189	0.181	0.187	0.189	0.005	68%	0.518	0.076
x		0.240	0.257	0.230	0.239	0.233	0.004	68%	0.353	0.042
σ		0.097	0.105	0.054	0.048	0.055	0.001	0%	0.390	0.030
%RSD		40.490	40.910	23.410	20.010	23.630	30.950	0	110.500	71.350

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:13:39	-0.268	0.605	0.019	0.047	0.576	0.893	0.041	0.043	78%
2	14:14:47	0.092	-0.120	0.033	-0.006	0.419	0.630	0.095	0.089	79%
3	14:15:55	-0.200	0.491	0.075	0.091	0.396	0.558	0.295	0.266	77%
x		-0.125	0.326	0.042	0.044	0.464	0.694	0.143	0.133	78%
σ		0.191	0.390	0.029	0.048	0.098	0.177	0.134	0.118	1%
%RSD		152.700	119.700	68.370	109.600	21.130	25.480	93.160	89.080	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:13:39	80%	0.014	0.022	0.004	0.007	0.005	87%	0.024
2	14:14:47	81%	0.039	0.031	0.022	0.009	0.022	89%	0.029
3	14:15:55	79%	0.074	0.074	0.058	0.051	0.060	86%	0.068
x		80%	0.042	0.042	0.028	0.023	0.029	87%	0.040
σ		1%	0.030	0.027	0.028	0.025	0.028	1%	0.024
%RSD		1	71.330	64.930	99.210	110.800	96.340	1	60.170

Reviewed By:jeswa
On:11/21/2011
12:38:57 PM
Inst Id :P6

PB59293BL PBW01 11/19/2011 02:20:27 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	14:21:35	64%	0.018	3.220	0.000	256.400	-1.041	-0.743	-1.083	5.950
2	14:22:43	61%	-0.006	3.652	0.000	283.600	0.654	0.362	0.984	7.487
3	14:23:51	63%	0.010	2.875	0.000	275.500	1.366	0.804	1.278	7.272
x		63%	0.007	3.249	0.000	271.900	0.326	0.141	0.393	6.903
σ		2%	0.012	0.389	0.000	13.960	1.237	0.797	1.287	0.832
%RSD		3	171.400	11.980	0.000	5.135	379.200	565.000	327.500	12.060
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:21:35	-0.128	5.141	0.000	0.000	-1.824	-1.499	69.010	63%	-0.453
2	14:22:43	0.544	6.971	0.000	0.000	8.401	3.369	72.980	62%	-0.046
3	14:23:51	-0.110	9.164	0.000	0.000	9.280	-0.555	67.710	61%	-0.157
x		0.102	7.092	0.000	0.000	5.286	0.438	69.900	62%	-0.219
σ		0.383	2.014	0.000	0.000	6.173	2.582	2.745	1%	0.210
%RSD		375.400	28.400	0.000	0.000	116.800	589.200	3.927	1	96.150
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:21:35	0.003	-0.049	9.565	-5.630	0.136	-11.900	10.550	0.004	-0.041
2	14:22:43	-0.157	-0.011	9.531	-1.499	0.198	-9.798	11.090	0.015	-0.035
3	14:23:51	0.003	0.043	9.445	-0.597	0.228	-8.343	13.930	0.031	0.040
x		-0.050	-0.005	9.514	-2.575	0.187	-10.010	11.860	0.017	-0.012
σ		0.092	0.046	0.062	2.684	0.047	1.786	1.812	0.013	0.045
%RSD		182.500	842.200	0.653	104.200	25.070	17.840	15.290	80.830	383.000
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:21:35	0.130	0.068	0.038	-0.062	-0.134	0.095	-0.508	-0.134	1.069
2	14:22:43	0.149	0.095	0.094	0.068	0.083	0.080	-0.368	0.081	0.831
3	14:23:51	0.194	0.092	0.057	0.005	-0.215	0.088	-0.350	-0.214	1.793
x		0.158	0.085	0.063	0.004	-0.089	0.088	-0.409	-0.089	1.231
σ		0.033	0.015	0.029	0.065	0.154	0.007	0.086	0.153	0.501
%RSD		21.070	17.160	45.550	1721.000	174.000	8.555	21.100	171.800	40.690
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:21:35	0.029	0.052	0.051	0.096	0.044	0.001	69%	-0.077	0.004
2	14:22:43	0.091	0.071	0.055	0.104	0.060	0.002	67%	-0.165	0.021
3	14:23:51	0.091	0.044	0.064	0.091	0.047	0.004	67%	0.498	0.030
x		0.070	0.055	0.057	0.097	0.051	0.002	68%	0.085	0.018
σ		0.036	0.014	0.007	0.007	0.009	0.002	1%	0.360	0.013
%RSD		51.380	24.950	12.020	6.782	16.880	63.850	1	421.800	73.660
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:21:35	0.037	-0.103	0.007	-0.015	0.152	0.221	0.015	0.014	79%
2	14:22:43	0.092	-0.189	0.021	-0.007	0.150	0.190	0.083	0.079	77%
3	14:23:51	-0.206	0.470	0.028	0.034	0.167	0.194	0.115	0.103	77%
x		-0.026	0.059	0.019	0.004	0.156	0.202	0.071	0.065	77%
σ		0.159	0.358	0.011	0.026	0.010	0.017	0.051	0.046	1%
%RSD		618.500	601.600	57.020	670.200	6.153	8.303	72.520	70.200	2
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	14:21:35	80%	0.011	0.004	-0.011	-0.003	-0.007	89%	0.004	
2	14:22:43	79%	0.027	0.026	0.019	0.017	0.019	87%	0.021	
3	14:23:51	78%	0.031	0.026	0.034	0.015	0.020	87%	0.022	
x		79%	0.023	0.019	0.014	0.009	0.010	87%	0.016	
σ		1%	0.011	0.012	0.023	0.011	0.015	1%	0.010	
%RSD		2	46.970	66.090	161.600	118.500	144.000	1	66.990	

Reviewed By:jaswab
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4391-18 MB9T99 11/19/2011 02:36:20 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	14:37:28	63%	-0.004	2.755	0.000	401.700	28.980	28.630	29.000	9.519
2	14:38:36	63%	0.001	4.424	0.000	400.100	29.400	27.940	28.660	9.776
3	14:39:44	63%	-0.051	2.750	0.000	395.300	28.490	27.910	27.900	9.378
x		63%	-0.018	3.309	0.000	399.000	28.960	28.160	28.520	9.558
σ		0%	0.028	0.965	0.000	3.293	0.458	0.408	0.561	0.202
%RSD		0	159.600	29.160	0.000	0.825	1.581	1.448	1.965	2.111
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:37:28	21.070	20.380	0.000	0.000	75.890	412.700	457.700	62%	0.058
2	14:38:36	20.100	18.750	0.000	0.000	76.320	402.000	450.500	62%	-0.094
3	14:39:44	19.420	18.710	0.000	0.000	70.560	420.900	447.400	63%	0.050
x		20.200	19.280	0.000	0.000	74.260	411.900	451.900	62%	0.005
σ		0.833	0.955	0.000	0.000	3.212	9.497	5.283	0%	0.086
%RSD		4.125	4.955	0.000	0.000	4.326	2.306	1.169	1	1873.000
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:37:28	-0.075	1.143	7.799	29.640	0.814	10.250	34.950	0.028	0.417
2	14:38:36	-0.060	1.066	7.828	31.290	0.857	10.230	33.120	0.017	0.430
3	14:39:44	-0.185	1.057	7.736	32.100	0.824	9.019	32.900	0.022	0.533
x		-0.107	1.089	7.788	31.010	0.832	9.833	33.660	0.022	0.460
σ		0.069	0.047	0.047	1.253	0.022	0.705	1.128	0.006	0.064
%RSD		64.200	4.345	0.606	4.042	2.674	7.168	3.351	25.760	13.810
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:37:28	0.782	0.669	5.391	-0.058	-0.523	0.084	-0.380	-0.519	1.401
2	14:38:36	0.799	0.662	5.344	0.072	0.123	0.063	-0.402	0.120	-0.721
3	14:39:44	0.716	0.616	5.378	-0.238	-0.227	0.099	-1.048	-0.226	1.480
x		0.766	0.649	5.371	-0.075	-0.209	0.082	-0.610	-0.208	0.720
σ		0.044	0.029	0.024	0.156	0.323	0.018	0.380	0.320	1.249
%RSD		5.728	4.456	0.451	209.000	154.500	21.820	62.250	153.500	173.400
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:37:28	0.130	0.086	0.060	0.105	0.064	0.001	68%	-0.575	0.002
2	14:38:36	0.104	0.063	0.051	0.087	0.061	0.000	68%	-0.043	0.006
3	14:39:44	0.079	0.059	0.058	0.062	0.034	0.000	68%	-0.266	0.001
x		0.104	0.069	0.056	0.084	0.053	0.000	68%	-0.295	0.003
σ		0.025	0.015	0.005	0.021	0.016	0.001	0%	0.268	0.003
%RSD		24.490	21.250	8.289	25.390	30.790	134.600	0	90.770	93.420
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:37:28	0.325	-0.599	0.004	-0.027	0.493	0.140	0.940	0.909	78%
2	14:38:36	0.037	-0.068	0.008	-0.006	0.477	0.112	0.797	0.872	78%
3	14:39:44	0.122	-0.291	0.001	0.001	0.429	0.100	0.901	0.804	78%
x		0.161	-0.319	0.004	-0.011	0.466	0.117	0.879	0.862	78%
σ		0.148	0.266	0.004	0.015	0.033	0.020	0.074	0.053	0%
%RSD		91.590	83.460	84.810	138.400	7.141	17.290	8.392	6.206	0
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	14:37:28	79%	-0.001	0.003	0.569	0.524	0.540	87%	0.005	
2	14:38:36	80%	-0.009	-0.001	0.537	0.516	0.522	88%	0.004	
3	14:39:44	80%	-0.003	-0.004	0.529	0.504	0.516	88%	0.002	
x		80%	-0.004	-0.000	0.545	0.515	0.526	88%	0.004	
σ		1%	0.004	0.004	0.021	0.010	0.012	0%	0.001	
%RSD		1	87.060	1153.000	3.896	1.938	2.371	0	31.740	

Reviewed By:jaswal
05/11/2011
12:38:57 PM
Inst Id :P8

PB59293BS LCS01 11/19/2011 02:44:16 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	14:45:24	63%	7.481	39.760	0.000	3959.000	3885.000	3711.000	3770.000	152.600
2	14:46:32	64%	7.779	38.170	0.000	3968.000	3902.000	3715.000	3746.000	152.900
3	14:47:40	64%	7.638	38.770	0.000	3963.000	3859.000	3702.000	3732.000	152.800
x		64%	7.632	38.900	0.000	3963.000	3882.000	3710.000	3749.000	152.800
σ		1%	0.149	0.803	0.000	4.369	21.650	6.568	19.120	0.123
%RSD		1	1.954	2.064	0.000	0.110	0.558	0.177	0.510	0.080
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:24	32.030	8.462	0.000	0.000	3777.000	3778.000	3736.000	63%	36.540
2	14:46:32	33.190	8.573	0.000	0.000	3776.000	3788.000	3776.000	63%	35.560
3	14:47:40	33.310	9.805	0.000	0.000	3775.000	3790.000	3772.000	63%	37.640
x		32.840	8.947	0.000	0.000	3776.000	3785.000	3761.000	63%	36.580
σ		0.708	0.745	0.000	0.000	0.823	6.687	21.910	0%	1.040
%RSD		2.155	8.330	0.000	0.000	0.022	0.177	0.583	0	2.844
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:24	37.290	14.950	7.218	1607.000	8.333	1606.000	1594.000	7.609	7.955
2	14:46:32	37.490	14.850	7.097	1612.000	8.391	1618.000	1607.000	7.756	8.106
3	14:47:40	37.440	14.930	7.121	1616.000	8.413	1615.000	1602.000	7.785	7.890
x		37.410	14.910	7.145	1612.000	8.379	1613.000	1601.000	7.716	7.984
σ		0.105	0.054	0.064	4.630	0.041	6.282	6.130	0.094	0.111
%RSD		0.281	0.360	0.899	0.287	0.490	0.389	0.383	1.222	1.389
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:24	15.070	14.990	15.000	0.334	37.830	0.132	37.490	37.460	1.793
2	14:46:32	15.390	15.140	15.140	1.227	38.450	-0.003	37.350	38.050	2.555
3	14:47:40	14.940	15.040	15.170	0.750	37.810	0.072	38.270	37.400	0.953
x		15.130	15.060	15.100	0.770	38.030	0.067	37.710	37.640	1.767
σ		0.231	0.077	0.090	0.447	0.364	0.068	0.495	0.359	0.801
%RSD		1.524	0.512	0.594	58.000	0.956	101.400	1.313	0.955	45.340
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:24	36.970	36.590	36.660	36.540	36.460	-0.001	68%	1.485	7.472
2	14:46:32	37.360	37.270	36.740	36.450	36.640	0.003	69%	1.765	7.388
3	14:47:40	36.500	36.210	36.500	36.490	36.280	0.000	70%	2.496	7.334
x		36.940	36.690	36.630	36.490	36.460	0.001	69%	1.915	7.398
σ		0.427	0.537	0.124	0.048	0.180	0.002	1%	0.522	0.069
%RSD		1.157	1.463	0.338	0.131	0.494	278.900	1	27.260	0.937
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:45:24	0.392	1.453	7.336	2.052	37.620	14.450	73.110	75.500	78%
2	14:46:32	0.067	1.733	7.225	1.999	37.500	14.350	74.750	74.690	79%
3	14:47:40	-0.086	2.462	7.290	2.015	37.280	14.440	74.030	75.100	79%
x		0.124	1.883	7.284	2.022	37.470	14.410	73.960	75.100	79%
σ		0.244	0.521	0.056	0.028	0.175	0.057	0.824	0.406	1%
%RSD		196.500	27.660	0.769	1.360	0.468	0.393	1.115	0.541	1
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	
1	14:45:24	80%	1.793	1.854	7.730	7.718	7.744	88%	8.129	
2	14:46:32	81%	1.845	1.892	7.834	7.886	7.851	88%	8.074	
3	14:47:40	81%	1.825	1.833	7.811	7.673	7.711	89%	8.034	
x		81%	1.821	1.860	7.792	7.759	7.769	88%	8.079	
σ		1%	0.026	0.030	0.055	0.113	0.073	0%	0.047	
%RSD		1	1.451	1.613	0.704	1.450	0.944	0	0.586	

Reviewed By Initial
5/11/2011
12:38:37 PM
Inst Id: PB

CCV67 11/19/2011 02:52:13 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	14:53:21	66%	480.600	459.500	0.000	46930.000	45450.000	45030.000	45050.000	9063.000
2	14:54:29	64%	504.300	496.800	0.000	48870.000	47650.000	47190.000	47540.000	9566.000
3	14:55:37	65%	495.900	485.800	0.000	48380.000	46970.000	46630.000	46620.000	9432.000
x		65%	493.600	480.700	0.000	48060.000	46690.000	46280.000	46400.000	9354.000
σ		1%	12.030	19.180	0.000	1011.000	1124.000	1120.000	1258.000	260.100
%RSD		2	2.437	3.991	0.000	2.103	2.408	2.419	2.711	2.781

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:53:21	418.800	9095.000	0.000	0.000	23780.000	47360.000	49090.000	65%	479.500
2	14:54:29	436.300	9420.000	0.000	0.000	24900.000	49540.000	51240.000	64%	496.400
3	14:55:37	433.200	9391.000	0.000	0.000	24790.000	49080.000	51230.000	64%	499.600
x		429.400	9302.000	0.000	0.000	24490.000	48660.000	50520.000	65%	491.800
σ		9.345	180.100	0.000	0.000	616.100	1150.000	1238.000	1%	10.820
%RSD		2.176	1.936	0.000	0.000	2.515	2.363	2.450	1	2.200

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:53:21	480.500	480.600	6.584	25140.000	1009.000	25000.000	25120.000	480.700	479.800
2	14:54:29	500.000	506.700	5.092	26220.000	1053.000	26150.000	26200.000	502.000	497.300
3	14:55:37	501.900	504.100	4.842	26090.000	1056.000	25980.000	26180.000	500.800	500.300
x		494.100	497.100	5.506	25820.000	1039.000	25710.000	25830.000	494.500	492.500
σ		11.830	14.390	0.942	589.000	26.180	617.100	614.100	11.970	11.100
%RSD		2.395	2.894	17.100	2.282	2.520	2.400	2.377	2.421	2.253

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:53:21	963.200	953.300	979.300	478.100	499.300	-0.507	491.300	495.400	2.123
2	14:54:29	1008.000	1002.000	1022.000	497.100	512.100	-0.405	510.900	508.000	1.021
3	14:55:37	1004.000	999.300	1019.000	497.500	514.600	-0.490	510.600	510.600	1.328
x		991.400	985.000	1007.000	490.900	508.600	-0.467	504.300	504.600	1.491
σ		24.520	27.480	23.610	11.090	8.193	0.054	11.220	8.144	0.569
%RSD		2.473	2.790	2.346	2.258	1.611	11.630	2.225	1.614	38.160

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:53:21	478.500	476.300	475.400	475.200	479.700	0.001	70%	489.300	506.700
2	14:54:29	497.000	497.400	499.000	500.100	499.900	0.004	68%	514.700	526.200
3	14:55:37	502.300	495.100	494.400	489.000	498.100	0.008	68%	510.500	521.300
x		492.600	489.600	489.600	488.100	492.500	0.004	69%	504.900	518.100
σ		12.510	11.560	12.530	12.480	11.180	0.003	1%	13.610	10.110
%RSD		2.539	2.362	2.559	2.556	2.269	79.940	1	2.696	1.951

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:53:21	14.000	487.000	504.600	493.000	484.800	480.300	2346.000	2379.000	82%
2	14:54:29	9.746	512.300	521.400	514.300	505.300	501.300	2423.000	2487.000	80%
3	14:55:37	7.587	507.800	518.300	510.900	502.900	503.900	2412.000	2461.000	81%
x		10.450	502.300	514.800	506.100	497.700	495.200	2394.000	2443.000	81%
σ		3.265	13.510	8.910	11.410	11.200	12.970	41.970	56.350	1%
%RSD		31.260	2.689	1.731	2.256	2.251	2.620	1.753	2.307	1

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:53:21	83%	481.300	485.900	476.600	481.300	485.200	89%	509.500
2	14:54:29	81%	503.200	509.000	502.600	502.300	507.500	87%	536.200
3	14:55:37	83%	497.600	513.300	504.000	498.500	505.600	87%	531.700
x		82%	494.000	502.700	494.400	494.000	499.400	88%	525.800
σ		1%	11.360	14.750	15.410	11.200	12.360	1%	14.310
%RSD		2	2.299	2.934	3.117	2.267	2.475	1	2.721

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

CCB67 11/19/2011 03:00:11 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	15:01:19	64%	0.198	7.687	0.000	273.900	13.150	14.310	13.490	8.678
2	15:02:27	63%	0.372	6.957	0.000	285.300	21.240	21.710	20.850	10.590
3	15:03:36	65%	0.210	6.392	0.000	269.000	18.680	16.590	18.750	9.584
x		64%	0.260	7.012	0.000	276.100	17.690	17.530	17.700	9.618
σ		1%	0.097	0.649	0.000	8.343	4.134	3.791	3.792	0.957
%RSD		1	37.400	9.259	0.000	3.022	23.370	21.620	21.430	9.952

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:01:19	-0.140	11.220	0.000	0.000	8.311	13.650	64.680	62%	-0.055
2	15:02:27	-0.236	9.197	0.000	0.000	10.650	27.990	72.020	63%	-0.012
3	15:03:36	0.193	9.439	0.000	0.000	3.338	18.730	68.940	63%	0.002
x		-0.061	9.953	0.000	0.000	7.432	20.120	68.550	63%	-0.022
σ		0.225	1.106	0.000	0.000	3.732	7.274	3.684	0%	0.030
%RSD		370.400	11.110	0.000	0.000	50.220	36.140	5.374	1	138.900

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:01:19	0.141	0.093	7.316	4.010	0.464	-1.780	21.980	0.133	0.164
2	15:02:27	0.236	0.204	6.993	10.240	0.637	2.800	26.410	0.207	0.317
3	15:03:36	-0.192	0.173	7.471	7.893	0.553	-0.013	24.860	0.188	0.173
x		0.061	0.156	7.260	7.379	0.552	0.336	24.410	0.176	0.218
σ		0.225	0.057	0.244	3.144	0.087	2.310	2.252	0.038	0.086
%RSD		365.700	36.690	3.358	42.610	15.700	688.100	9.222	21.780	39.190

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:01:19	0.396	0.373	0.361	0.047	-0.121	0.074	-0.662	-0.121	2.368
2	15:02:27	0.611	0.449	0.535	0.152	0.065	0.070	-0.525	0.063	1.107
3	15:03:36	0.543	0.418	0.364	0.167	0.314	0.069	-1.327	0.309	0.860
x		0.517	0.413	0.420	0.122	0.086	0.071	-0.838	0.084	1.445
σ		0.110	0.038	0.100	0.065	0.218	0.003	0.429	0.216	0.809
%RSD		21.320	9.253	23.740	53.470	253.900	3.754	51.190	258.000	55.980

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:01:19	0.450	0.465	0.426	0.523	0.455	0.001	69%	-0.768	0.189
2	15:02:27	0.386	0.421	0.488	0.450	0.411	0.001	69%	0.891	0.311
3	15:03:36	0.357	0.320	0.329	0.385	0.334	0.003	69%	0.091	0.242
x		0.398	0.402	0.414	0.453	0.400	0.002	69%	0.071	0.247
σ		0.048	0.075	0.080	0.069	0.061	0.001	0%	0.829	0.061
%RSD		12.020	18.600	19.320	15.250	15.250	65.700	0	1164.000	24.790

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:01:19	0.425	-0.789	0.232	0.073	0.664	0.978	0.765	0.805	79%
2	15:02:27	-0.212	0.862	0.293	0.233	0.641	0.827	1.057	1.102	79%
3	15:03:36	-0.009	0.066	0.232	0.141	0.542	0.679	0.968	0.984	79%
x		0.068	0.046	0.252	0.149	0.616	0.828	0.930	0.964	79%
σ		0.326	0.826	0.035	0.080	0.065	0.149	0.149	0.150	0%
%RSD		476.500	1783.000	14.000	53.840	10.480	18.030	16.060	15.520	0

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:01:19	80%	0.194	0.207	0.159	0.160	0.156	88%	0.158
2	15:02:27	80%	0.255	0.273	0.233	0.227	0.244	88%	0.235
3	15:03:36	82%	0.213	0.232	0.206	0.203	0.199	89%	0.199
x		81%	0.221	0.237	0.199	0.196	0.199	88%	0.197
σ		1%	0.031	0.033	0.037	0.034	0.044	0%	0.038
%RSD		1	14.000	13.970	18.750	17.260	22.000	1	19.380

Mass Uncorrected ICPS

S0 (S0) 11/18/2011 10:45:10 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:46:19	38677.287	60.938	17.188	996.910	512661.620	5949.676	781.271	810.961	50150.373
2	22:47:27	39152.015	47.917	7.813	975.033	514572.260	5830.877	804.710	882.840	51235.463
3	22:48:35	38990.637	44.792	9.375	906.279	519197.680	5832.440	750.020	862.526	51106.879
x		38939.980	51.215	11.458	959.407	515477.190	5870.998	778.667	852.109	50830.905
σ		241.384	8.563	5.023	47.293	3360.682	68.142	27.438	37.055	592.854
%RSD		0.620	16.721	43.835	4.929	0.652	1.161	3.524	4.349	1.166
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:46:19	4997.749	4178.736	88097.368	1127744.900	979131.730	98.438	2198.607	387805.780	270.315
2	22:47:27	5066.523	4078.707	88738.819	1135209.000	980306.790	103.125	2150.162	391607.400	239.065
3	22:48:35	5122.793	3994.308	89397.595	1142720.800	990423.190	104.688	2148.599	391547.990	214.064
x		5062.355	4083.917	88744.594	1135224.900	983287.240	102.084	2165.789	390320.390	241.148
σ		62.626	92.324	650.133	7487.938	6207.784	3.253	28.432	2177.921	28.183
%RSD		1.237	2.261	0.733	0.660	0.631	3.186	1.313	0.558	11.687
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:46:19	2264.242	3069.080	914.092	20680.583	1337.563	333390.670	4134.973	101.563	271.878
2	22:47:27	2232.987	3228.490	978.158	21201.659	1246.929	334260.650	4206.869	112.500	239.065
3	22:48:35	2161.101	3145.659	970.345	20810.459	1400.069	334140.700	4133.410	114.063	226.564
x		2219.443	3147.743	954.199	20897.567	1328.187	333930.670	4158.418	109.375	245.835
σ		52.888	79.725	34.953	271.239	76.999	471.487	41.968	6.811	23.403
%RSD		2.383	2.533	3.663	1.298	5.797	0.141	1.009	6.227	9.520
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:46:19	401.568	181.251	301.566	71.875	21.875	21.875	2216.318	98.959	93.750
2	22:47:27	354.692	142.188	295.316	77.604	35.938	35.938	2231.424	92.709	72.917
3	22:48:35	367.192	156.251	334.379	88.542	23.438	23.438	2238.717	103.646	100.000
x		374.484	159.897	310.420	79.341	27.083	27.083	2228.820	98.438	88.869
σ		24.274	19.785	20.983	8.468	7.708	7.708	11.425	5.487	14.181
%RSD		6.482	12.374	6.760	10.673	28.459	28.459	0.513	5.574	15.954
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:46:19	73.438	39.063	48.438	15.625	87.500	3.125	943012.920	471.883	28.125
2	22:47:27	75.000	50.000	64.063	32.813	71.875	1.563	951725.700	496.884	20.313
3	22:48:35	75.000	48.438	90.625	37.500	101.563	1.563	953832.950	517.197	23.438
x		74.479	45.833	67.709	28.646	86.979	2.083	949523.860	495.321	23.958
σ		0.902	5.916	21.329	11.517	14.851	0.902	5736.229	22.697	3.932
%RSD		1.211	12.907	31.501	40.206	17.074	43.301	0.604	4.582	16.413
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:46:19	0.000	0.000	14.063	17.188	175.001	70.313	10.938	4.688	1870565.400
2	22:47:27	0.000	0.000	10.938	20.313	142.188	29.688	7.813	18.750	1879504.400
3	22:48:35	10.938	10.938	17.188	29.688	165.626	39.063	6.250	17.188	1868305.800
x		3.646	3.646	14.063	22.396	160.938	46.354	8.333	13.542	1872791.800
σ		6.315	6.315	3.125	6.505	16.901	21.272	2.387	7.708	5921.999
%RSD		173.205	173.205	22.222	29.047	10.502	45.889	28.641	56.918	0.316
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	22:46:19	1891498.100	100.000	242.190	193.751	165.626	385.943	1443889.700	26.563	
2	22:47:27	1919657.800	107.813	250.002	143.751	195.314	357.817	1455801.500	29.688	
3	22:48:35	1900093.900	106.250	246.877	187.501	143.751	362.505	1450968.400	42.188	
x		1903749.900	104.688	246.356	175.001	168.230	368.755	1450219.900	32.813	
σ		14431.472	4.134	3.932	27.243	25.880	15.069	5991.081	8.268	
%RSD		0.758	3.949	1.596	15.568	15.384	4.086	0.413	25.198	

S1 (S) 11/18/2011 10:53:02 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	22:54:10	39200.585	182.293	131.251	1012.536	1317076.200	644980.770	89834.699	111116.400	87272.012
2	22:55:18	38818.294	184.897	125.001	995.347	1330126.500	656891.420	90957.395	111563.620	88396.079
3	22:56:26	40084.282	177.084	137.501	1142.233	1328225.300	652800.790	90940.098	112465.960	87674.465
x		39367.720	181.425	131.251	1050.039	1325142.700	651557.660	90577.397	111715.330	87780.852
σ		649.332	3.978	6.250	80.304	7050.164	6051.855	643.253	687.453	569.535
%RSD		1.649	2.193	4.762	7.648	0.532	0.929	0.710	0.615	0.649

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	22:54:10	7233.081	3964.613	88962.076	1134327.300	2049077.200	2623.678	43718.356	389897.510	1429.759
2	22:55:18	7267.473	3942.731	89922.751	1143150.000	2055202.000	2653.371	44530.232	390035.580	1428.196
3	22:56:26	7470.703	3991.182	89367.722	1148707.900	2069821.700	2590.860	44776.312	392297.830	1440.698
x		7323.752	3966.175	89417.516	1142061.700	2058033.600	2622.637	44341.633	390743.640	1432.884
σ		128.420	24.263	482.269	7251.807	10658.210	31.269	553.620	1347.741	6.811
%RSD		1.753	0.612	0.539	0.635	0.518	1.192	1.249	0.345	0.475

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	22:54:10	20816.718	10474.151	1829.805	78117.688	7244.024	1315824.600	27742.537	4860.202	1220.365
2	22:55:18	21142.196	10636.771	1826.679	77921.308	7347.201	1327140.500	27966.410	4821.126	1303.184
3	22:56:26	20796.376	10780.629	1734.480	78337.638	7423.803	1341739.300	28215.336	4866.454	1254.743
x		20918.430	10630.517	1796.988	78125.544	7338.343	1328234.800	27974.761	4849.260	1259.431
σ		194.053	153.335	54.156	208.276	90.217	12991.929	236.510	24.565	41.608
%RSD		0.928	1.442	3.014	0.267	1.229	0.978	0.845	0.507	3.304

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	22:54:10	5422.904	2622.116	2333.003	419.798	221.877	221.877	2946.137	394.276	109.375
2	22:55:18	5493.243	2648.683	2317.375	414.589	265.627	265.627	3026.883	373.442	92.709
3	22:56:26	5443.224	2689.316	2275.181	420.840	257.815	257.815	3038.865	403.652	102.084
x		5453.124	2653.371	2308.520	418.409	248.440	248.440	3003.962	390.457	101.389
σ		36.200	33.844	29.911	3.349	23.333	23.333	50.435	15.463	8.355
%RSD		0.664	1.276	1.296	0.800	9.392	9.392	1.679	3.960	8.241

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	22:54:10	3756.744	6731.273	7295.612	4349.099	10962.017	7.813	953883.010	548.448	4547.599
2	22:55:18	3992.745	6812.561	7455.070	4380.359	11124.642	3.125	951670.650	581.262	4467.886
3	22:56:26	3914.599	6704.698	7284.669	4366.292	11307.598	1.563	955464.900	607.825	4558.540
x		3888.029	6749.511	7345.117	4365.250	11131.419	4.167	953672.850	579.178	4524.675
σ		120.223	56.197	95.379	15.656	172.890	3.253	1905.837	29.743	49.484
%RSD		3.092	0.833	1.299	0.359	1.553	78.062	0.200	5.135	1.094

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	22:54:10	90.625	90.625	4286.581	1107.855	13536.097	8624.478	7350.328	12862.038	1874517.900
2	22:55:18	65.625	65.625	4363.166	1054.726	13938.046	8555.686	7390.974	13288.991	1840522.200
3	22:56:26	90.625	90.625	4477.264	1125.044	13629.937	8590.082	7192.435	13009.046	1863516.200
x		82.292	82.292	4375.670	1095.875	13701.360	8590.082	7311.246	13053.358	1859518.800
σ		14.434	14.434	95.955	36.658	210.278	34.396	104.881	216.898	17346.791
%RSD		17.540	17.540	2.193	3.345	1.535	0.400	1.435	1.662	0.933

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	22:54:10	1903241.700	4536.658	11245.049	4231.877	3963.050	9492.215	1457948.500	18457.228
2	22:55:18	1889167.900	4705.462	11121.515	4463.197	4038.071	9459.381	1429170.400	18638.714
3	22:56:26	1912537.900	4572.607	11287.270	4320.966	3902.095	9173.257	1467607.100	19042.370
x		1901649.100	4604.909	11217.945	4338.680	3967.738	9374.951	1451575.300	18712.771
σ		11766.115	88.918	86.137	116.673	68.109	175.442	19995.189	299.518
%RSD		0.619	1.931	0.768	2.689	1.717	1.871	1.377	1.601

Reviewed by jaswal
on 11/21/2011
2:38:57 PM
Rslt to Pb

S2 (S) 11/18/2011 11:00:54 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:02:02	39777.176	16075.707	2800.274	1043.788	20491553.000	14851100.000	2128396.300	2595042.000	3980504.800
2	23:03:10	39915.060	16054.850	2814.340	1025.037	20257450.000	14672527.000	2113694.000	2569090.300	3937419.100
3	23:04:18	39515.514	15903.118	2811.214	1051.601	20325313.000	14602404.000	2098645.900	2559735.200	3901620.400
x		39735.916	16011.225	2808.609	1040.142	20358105.000	14708677.000	2113578.800	2574622.500	3939848.100
σ		202.943	94.202	7.386	13.652	120447.500	128228.720	14875.527	18291.991	39498.254
%RSD		0.511	0.588	0.263	1.313	0.592	0.872	0.704	0.710	1.003

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:02:02	49686.255	237334.920	113185.680	1124827.800	14114700.000	63071.737	1041347.600	390762.860	32571.464
2	23:03:10	50341.669	234154.960	111102.230	1118435.300	14071560.000	62817.496	1036705.700	390379.150	32183.085
3	23:04:18	48795.694	233446.640	110281.850	1107587.000	13998574.000	62516.178	1031771.700	387990.380	32699.882
x		49607.873	234978.840	111523.250	1116950.000	14061611.000	62801.804	1036608.300	389710.800	32484.811
σ		775.962	2070.935	1496.997	8715.847	58698.632	278.112	4788.716	1502.229	269.075
%RSD		1.564	0.881	1.342	0.780	0.417	0.443	0.462	0.385	0.828

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:02:02	485391.220	456815.430	54616.705	1804076.700	1376329.500	29536667.000	734668.830	561544.200	122816.300
2	23:03:10	480542.290	452080.840	54765.712	1805691.000	1379627.500	29438550.000	730539.970	556284.940	121924.330
3	23:04:18	478653.900	450450.860	54185.380	1798813.000	1363213.100	29396888.000	729780.730	551374.990	120755.090
x		481529.140	453115.710	54522.599	1802860.200	1373056.700	29457368.000	731663.180	556401.370	121831.910
σ		3475.383	3306.082	301.394	3596.718	8682.866	71764.619	2630.512	5085.604	1033.709
%RSD		0.722	0.730	0.553	0.200	0.632	0.244	0.360	0.914	0.848

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:02:02	608373.100	297828.790	234404.310	100465.570	5582.341	5582.341	20035.915	7538.447	91.146
2	23:03:10	605646.790	297048.740	232101.550	99690.377	5463.545	5463.545	20156.919	7674.978	96.354
3	23:04:18	599664.690	295798.190	233548.280	100047.550	5530.758	5530.758	20141.272	7496.237	98.438
x		604561.530	296891.910	233351.380	100067.830	5525.548	5525.548	20111.369	7569.887	95.313
σ		4454.486	1024.346	1163.943	387.995	59.569	59.569	65.811	93.426	3.756
%RSD		0.737	0.345	0.499	0.388	1.078	1.078	0.327	1.234	3.941

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:02:02	97604.170	170348.700	184276.220	107192.850	282973.540	0.000	944440.240	11582.819	534619.900
2	23:03:10	97166.829	169219.770	182927.800	107677.720	280522.790	4.688	944078.390	11571.872	536325.840
3	23:04:18	98249.194	170201.650	184436.070	107753.290	279327.840	6.250	933652.090	11596.893	536846.420
x		97673.398	169923.370	183880.030	107541.280	280941.390	3.646	940723.570	11583.861	535930.720
σ		544.493	613.755	828.518	304.114	1858.551	3.253	6126.758	12.543	1164.662
%RSD		0.557	0.361	0.451	0.283	0.662	89.214	0.651	0.108	0.217

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:02:02	8114.804	8114.804	517195.740	127737.300	339608.010	517631.410	454235.080	802669.490	1876157.400
2	23:03:10	8419.668	8419.668	525232.700	126860.790	341204.760	520070.780	455830.010	806334.680	1850256.600
3	23:04:18	8468.134	8468.134	520295.950	126536.050	339486.420	522246.470	455413.920	805827.550	1884597.200
x		8334.202	8334.202	520908.130	127044.710	340099.730	519982.890	455159.670	804943.910	1870337.100
σ		191.543	191.543	4053.301	621.384	958.915	2308.782	827.303	1985.956	17894.861
%RSD		2.298	2.298	0.778	0.489	0.282	0.444	0.182	0.247	0.957

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:02:02	1921699.100	622875.300	1489599.300	491355.640	458107.400	1083488.500	1450756.200	2283007.500
2	23:03:10	1916538.600	627037.520	1507642.000	498621.310	464953.000	1104503.700	1470559.000	2297973.000
3	23:04:18	1931467.700	625611.360	1511852.400	497713.910	465191.840	1097739.000	1458392.100	2306150.100
x		1923235.100	625174.730	1503031.200	495896.950	462750.740	1095243.700	1459902.500	2295710.200
σ		7582.138	2115.184	11821.358	3958.975	4023.031	10727.492	9987.457	11736.082
%RSD		0.394	0.338	0.787	0.798	0.869	0.979	0.684	0.511

Reviewed By jaswal
On 11/21/2011
12:38:57 PM
Inst Id :P6

S3 (S) 11/18/2011 11:08:46 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:09:55	38483.013	30772.169	5399.458	1059.414	38648039.000	27992076.000	4035020.100	4889874.600	7461485.800
2	23:11:03	38379.611	30781.043	5243.150	1096.917	38545348.000	27912428.000	4010679.900	4884893.400	7445474.900
3	23:12:11	38478.313	30987.739	5538.573	1075.040	38316004.000	27857557.000	4012609.700	4890504.300	7429881.000
x		38446.979	30846.983	5393.727	1077.124	38503130.000	27920687.000	4019436.500	4888424.100	7445613.900
σ		58.390	121.978	147.795	18.838	169995.740	67638.982	13530.187	3073.829	15802.825
%RSD		0.152	0.395	2.740	1.749	0.442	0.242	0.337	0.063	0.212

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:09:55	90164.895	452006.670	131112.990	1076398.600	26117210.000	121054.480	2056795.600	377842.490	62569.536
2	23:11:03	89762.372	449067.690	130756.620	1077105.300	25988066.000	120551.820	2005948.000	377889.010	62685.669
3	23:12:11	88771.836	449116.050	129867.310	1071850.000	26030278.000	120548.670	1992070.600	375999.500	62302.749
x		89566.367	450063.470	130578.970	1075118.000	26045185.000	120718.320	2018271.400	377243.670	62519.318
σ		716.914	1683.034	641.557	2852.121	65849.734	291.126	34076.834	1077.733	196.337
%RSD		0.800	0.374	0.491	0.265	0.253	0.241	1.688	0.286	0.314

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:09:55	931864.270	881338.620	103690.570	3375707.900	2672401.700	56686726.000	1406206.800	1079238.900	233127.420
2	23:11:03	932112.520	870895.200	103520.600	3373252.500	2660112.000	56198520.000	1401525.500	1079097.500	233595.920
3	23:12:11	925391.290	868585.760	103276.660	3344069.000	2660193.700	56014445.000	1405697.700	1082414.600	233970.730
x		929789.360	873606.530	103495.940	3364343.100	2664235.800	56299897.000	1404476.700	1080250.400	233564.690
σ		3810.865	6795.024	208.058	17600.738	7072.000	347417.190	2568.450	1875.645	422.520
%RSD		0.410	0.778	0.201	0.523	0.265	0.617	0.183	0.174	0.181

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:09:55	1155656.500	569969.780	446669.230	193017.070	10586.734	10586.734	36319.548	14530.302	95.834
2	23:11:03	1155598.900	566873.600	447890.980	194298.330	10469.460	10469.460	36504.915	14423.945	98.959
3	23:12:11	1159090.500	571097.890	448700.160	193527.030	10600.807	10600.807	36229.215	14575.140	90.104
x		1156782.000	569313.760	447753.460	193614.140	10552.333	10552.333	36351.226	14509.796	94.966
σ		1999.460	2187.220	1022.425	645.055	72.115	72.115	140.554	77.656	4.490
%RSD		0.173	0.384	0.228	0.333	0.683	0.683	0.387	0.535	4.729

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:09:55	189104.320	330763.460	359487.200	208120.660	543833.050	3.125	911004.650	21851.074	1037799.800
2	23:11:03	188885.840	330251.820	358207.200	209094.090	543907.690	9.375	911132.760	22162.490	1034777.900
3	23:12:11	188572.360	331570.920	357201.230	208298.220	541326.430	7.813	907815.630	21941.838	1035172.100
x		188854.170	330862.070	358298.540	208504.320	543022.390	6.771	909984.350	21985.134	1035916.600
σ		267.391	665.053	1145.718	518.415	1469.218	3.253	1879.258	160.159	1642.748
%RSD		0.142	0.201	0.320	0.249	0.271	48.038	0.207	0.728	0.159

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:09:55	16257.683	16257.683	1007854.700	246817.020	663603.710	1018549.700	884664.750	1562576.200	1850681.800
2	23:11:03	16221.705	16221.705	1005152.000	246708.920	664127.220	1015486.500	890054.890	1563752.900	1858306.300
3	23:12:11	16063.714	16063.714	1005565.600	246755.020	664069.960	1023543.000	885322.420	1567577.500	1843144.300
x		16181.034	16181.034	1006190.800	246760.320	663933.630	1019193.100	886680.690	1564635.600	1850710.800
σ		103.182	103.182	1455.768	54.241	287.147	4066.614	2940.593	2614.856	7581.086
%RSD		0.638	0.638	0.145	0.022	0.043	0.399	0.332	0.167	0.410

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:09:55	1897264.800	1225950.100	2958626.100	973817.540	913294.120	2140622.800	1431427.300	4466037.800
2	23:11:03	1892720.200	1215600.500	2934731.100	963994.680	916870.470	2145288.600	1443667.300	4494814.100
3	23:12:11	1895148.700	1224065.500	2937803.600	970648.330	899570.950	2152662.300	1449702.100	4514479.100
x		1895044.600	1221872.000	2943720.300	969486.850	909911.850	2146191.200	1441598.900	4491777.000
σ		2274.108	5512.414	12999.938	5013.375	9132.261	6070.300	9311.296	24363.064
%RSD		0.120	0.451	0.442	0.517	1.004	0.283	0.646	0.542

Reviewed By:swal
On:11/21/2011
12:38:57 PM
Inst Id: P6

S4 (S) 11/18/2011 11:16:40 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:17:48	38365.510	62543.904	10890.087	1267.244	78238299.000	57194279.000	8133344.800	9940193.000	15203209.000
2	23:18:56	38078.807	63280.470	10979.217	1203.176	78297594.000	57518297.000	8206543.900	10024401.000	15380811.000
3	23:20:04	38606.784	63838.674	11467.100	1165.673	79641682.000	57854886.000	8275269.800	10118088.000	15445191.000
x		38350.367	63221.016	11112.135	1212.031	78725858.000	57522487.000	8205052.800	10027561.000	15343070.000
σ		264.314	649.430	310.623	51.361	793680.870	330323.510	70974.280	88989.472	125328.230
%RSD		0.689	1.027	2.795	4.238	1.008	0.574	0.865	0.887	0.817

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:17:48	178426.090	918568.240	178573.220	1093559.500	52139183.000	247340.010	4163071.900	375779.770	127180.800
2	23:18:56	180612.690	929886.760	180796.240	1106592.300	52606446.000	246661.240	4234045.400	382856.170	129323.350
3	23:20:04	180812.060	939646.940	181467.160	1123666.600	53066731.000	252715.680	4286957.800	384982.500	130471.210
x		179950.280	929367.310	180278.870	1107939.400	52604120.000	248905.640	4228025.000	381206.150	128991.790
σ		1323.745	10548.943	1514.750	15098.700	463778.430	3317.001	62161.985	4818.143	1670.074
%RSD		0.736	1.135	0.840	1.363	0.882	1.333	1.470	1.264	1.295

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:17:48	1885559.500	1768070.800	212444.550	6769073.400	5329192.900	113639400.000	2792284.400	2175980.700	467157.570
2	23:18:56	1907081.800	1795614.400	213116.950	6737796.800	5416949.200	115222180.000	2812518.100	2193751.800	472339.480
3	23:20:04	1910506.700	1785382.200	211843.530	6802792.000	5430191.600	115208170.000	2828707.900	2200170.000	474338.480
x		1901049.400	1783022.500	212468.340	6769887.400	5392111.200	114689920.000	2811170.100	2189967.500	471278.510
σ		13523.447	13922.585	637.043	32505.209	54889.664	909801.610	18249.113	12530.820	3706.156
%RSD		0.711	0.781	0.300	0.480	1.018	0.793	0.649	0.572	0.786

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:17:48	2338210.600	1150765.600	978967.930	394712.480	22060.771	22060.771	72007.585	29217.869	94.271
2	23:18:56	2336775.100	1155910.200	977321.680	399748.070	21819.776	21819.776	72377.153	29398.969	98.959
3	23:20:04	2374247.000	1166331.700	982025.250	402552.800	22101.458	22101.458	73089.098	29782.575	109.375
x		2349744.200	1157669.100	979438.290	399004.450	21994.002	21994.002	72491.279	29466.471	100.868
σ		21232.140	7930.729	2386.801	3972.707	152.249	152.249	549.715	288.341	7.731
%RSD		0.904	0.685	0.244	0.996	0.692	0.692	0.758	0.979	7.665

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:17:48	381394.410	673864.560	728978.800	425768.790	1113929.400	12.500	911513.760	44050.624	2027594.300
2	23:18:56	385123.730	672998.570	738784.060	430314.500	1121854.000	4.688	915494.080	44147.798	2047885.800
3	23:20:04	387624.390	681552.640	734936.790	429878.210	1118934.700	9.375	920411.050	44216.761	2054202.000
x		384714.180	676138.590	734233.220	428653.830	1118239.300	8.854	915806.300	44138.394	2043227.300
σ		3135.120	4708.654	4940.349	2508.023	4007.797	3.932	4456.855	83.467	13902.080
%RSD		0.815	0.696	0.673	0.585	0.358	44.411	0.487	0.189	0.680

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:17:48	32790.715	32790.715	1967698.500	498356.040	1338610.500	2042142.600	1797441.400	3122030.800	1833847.900
2	23:18:56	32771.922	32771.922	1984128.700	499902.430	1346222.100	2071363.400	1787980.600	3115043.300	1854657.500
3	23:20:04	32958.287	32958.287	1995740.000	497155.910	1339345.100	2079023.500	1803119.600	3184110.100	1856378.100
x		32840.308	32840.308	1982522.400	498471.460	1341392.500	2064176.500	1796180.500	3140394.700	1848294.500
σ		102.604	102.604	14089.603	1376.893	4198.579	19462.513	7647.807	38019.477	12540.660
%RSD		0.312	0.312	0.711	0.276	0.313	0.943	0.426	1.211	0.678

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:17:48	1890293.900	2477166.800	5860608.200	1914366.500	1802902.300	4308946.700	1414560.200	8891340.800
2	23:18:56	1884281.200	2480566.000	5907965.300	1953124.500	1804889.100	4263820.600	1415549.800	8924387.900
3	23:20:04	1881932.500	2460073.200	5880065.800	1914948.200	1795561.400	4271387.000	1414324.400	8850378.200
x		1885502.500	2472602.000	5882879.800	1927479.700	1801117.600	4281384.800	1414811.500	8888702.300
σ		4312.381	10982.572	23803.653	22210.946	4913.275	24167.326	650.207	37075.340
%RSD		0.229	0.444	0.405	1.152	0.273	0.564	0.046	0.417

S5 (S) 11/18/2011 11:24:33 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:25:41	39122.246	124027.220	21549.053	1690.725	155014390.000	112663470.000	16153288.000	19697004.000	29934860.000
2	23:26:49	38713.322	124989.190	22225.087	1576.650	156377280.000	113749810.000	16406584.000	19946716.000	30281933.000
3	23:27:57	38974.969	125549.280	22367.497	1539.145	157185860.000	114656470.000	16430556.000	20130165.000	30791339.000
x		38936.846	124855.230	22047.212	1602.173	156192510.000	113689920.000	16330143.000	19924628.000	30336044.000
σ		207.111	769.824	437.255	78.947	1097462.800	997845.920	153629.280	217423.580	430795.860
%RSD		0.532	0.617	1.983	4.928	0.703	0.878	0.941	1.091	1.420
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:25:41	348899.810	1852033.500	272579.030	1135371.100	104028730.000	488722.270	8324237.200	390035.580	254372.830
2	23:26:49	352723.250	1880755.700	274590.440	1140115.000	104687990.000	492039.520	8430341.600	389730.540	256211.510
3	23:27:57	355801.310	1894644.100	277081.600	1151768.300	106156040.000	501162.640	8448555.300	389314.750	257544.530
x		352474.790	1875811.100	274750.360	1142418.200	104957590.000	493974.810	8401044.700	389693.620	256042.960
σ		3457.452	21731.392	2255.543	8437.717	1088976.700	6442.029	67137.734	361.830	1592.553
%RSD		0.981	1.159	0.821	0.739	1.038	1.304	0.799	0.093	0.622
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:25:41	3750481.600	3484466.500	413410.530	13378141.000	10502934.000	224672840.000	5487008.300	4304182.500	930664.740
2	23:26:49	3816200.100	3559986.800	415541.350	13436830.000	10626171.000	225838310.000	5519020.100	4373089.800	933855.380
3	23:27:57	3829958.400	3570504.000	420107.980	13533410.000	10713057.000	228764260.000	5578659.300	4384398.200	941477.380
x		3798880.100	3538319.100	416353.290	13449461.000	10614054.000	226425140.000	5528229.300	4353890.100	935332.500
σ		42475.029	46933.264	3421.749	78401.350	105583.970	2107891.200	46514.314	43417.866	5555.602
%RSD		1.118	1.326	0.822	0.583	0.995	0.931	0.841	0.997	0.594
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:25:41	4559705.600	2259768.500	1760369.900	787798.430	42872.047	42872.047	140813.510	57051.715	97.396
2	23:26:49	4624562.800	2296269.500	1790131.300	797697.590	43406.469	43406.469	141605.660	58110.135	108.855
3	23:27:57	4628142.000	2294941.900	1786329.500	803978.660	44180.712	44180.712	143185.350	58848.042	101.042
x		4604136.800	2283660.000	1778943.600	796491.560	43486.409	43486.409	141868.170	58003.298	102.431
σ		38520.141	20701.271	16197.196	8157.255	657.985	657.985	1207.514	902.917	5.854
%RSD		0.837	0.906	0.910	1.024	1.513	1.513	0.851	1.557	5.715
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:25:41	754013.710	1329371.800	1440236.100	832157.320	2182673.900	32.813	916930.390	84675.205	3830965.300
2	23:26:49	768843.960	1341866.000	1470320.700	849266.760	2212537.400	18.750	917036.910	85744.052	3896957.400
3	23:27:57	772434.790	1343623.300	1478436.700	859437.860	2224504.500	7.813	910656.940	86094.588	3893533.400
x		765097.490	1338287.100	1462997.800	846953.980	2206572.000	19.792	914874.740	85504.615	3873818.700
σ		9765.302	7770.647	20125.589	13786.542	21543.914	12.533	3653.115	739.364	37151.604
%RSD		1.276	0.581	1.376	1.628	0.976	63.322	0.399	0.865	0.959
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:25:41	63829.781	63829.781	3734122.800	960243.310	2591762.800	4005461.700	3529283.700	6069677.200	1836709.500
2	23:26:49	63886.282	63886.282	3787624.300	976008.160	2640393.100	4057595.800	3573251.800	6133053.000	1829232.000
3	23:27:57	65090.136	65090.136	3789879.900	971899.560	2636880.500	4068888.700	3582880.000	6196378.200	1823241.600
x		64268.733	64268.733	3770542.300	969383.680	2623012.100	4043982.000	3561805.100	6133036.100	1829727.700
σ		711.917	711.917	31560.429	8178.014	27119.652	33834.093	28572.890	63350.508	6747.611
%RSD		1.108	1.108	0.837	0.844	1.034	0.837	0.802	1.033	0.369
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	23:25:41	1874523.200	4636248.300	11176209.000	3695855.100	3422577.500	8029658.200	1374367.500	16873097.000	
2	23:26:49	1861138.800	4670207.800	11110370.000	3694365.500	3465905.000	8087388.600	1371386.300	17101674.000	
3	23:27:57	1867626.500	4695289.800	11138893.000	3691947.300	3443430.300	8121291.600	1366997.200	17095183.000	
x		1867762.900	4667248.600	11141824.000	3694055.900	3443970.900	8079446.100	1370917.000	17023318.000	
σ		6693.237	29631.765	33017.659	1972.194	21668.775	46330.126	3707.488	130135.970	
%RSD		0.358	0.635	0.296	0.053	0.629	0.573	0.270	0.764	

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:33:35	40255.074	12647.784	11557.799	1026.599	3715448.000	1454146.600	201844.060	249319.280	860746.020
2	23:34:43	39642.427	12693.658	11521.832	1029.725	3728557.700	1460130.400	204382.900	249982.280	861279.920
3	23:35:51	40281.712	12746.830	11470.228	1114.106	3811944.800	1518131.400	212232.050	260541.900	884555.140
x		40059.738	12696.091	11516.619	1056.810	3751983.500	1477469.500	206153.000	253281.160	868860.360
σ		361.647	49.568	44.017	49.644	52340.092	35341.126	5415.491	6296.724	13594.698
%RSD		0.903	0.390	0.382	4.698	1.395	2.392	2.627	2.486	1.565

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:33:35	177628.750	4342.847	91219.999	1151879.900	5204447.600	10288.078	168345.470	400807.340	125393.230
2	23:34:43	180359.520	4294.395	91740.503	1166653.300	5250999.200	10267.751	167211.960	398036.150	127037.350
3	23:35:51	180289.900	5227.519	91347.371	1167178.000	5312485.400	10435.060	172763.370	396815.380	125907.090
x		179426.050	4621.587	91435.958	1161903.800	5255977.400	10330.296	169440.270	398552.960	126112.560
σ		1556.903	525.311	271.324	8684.862	54190.648	91.295	2933.168	2045.548	841.096
%RSD		0.868	11.366	0.297	0.747	1.031	0.884	1.731	0.513	0.667

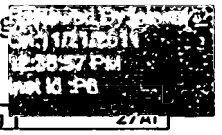
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:33:35	384807.570	358907.260	42997.423	311626.270	548274.640	5052801.000	119344.880	448688.880	99380.416
2	23:34:43	385189.530	359903.740	43419.007	312322.480	552092.540	5080571.500	121264.060	453054.720	99542.476
3	23:35:51	388150.900	362340.760	43350.048	318289.540	555771.790	5176512.000	122203.260	449496.490	99830.412
x		386049.330	360383.920	43255.493	314079.430	552046.320	5103294.800	120937.400	450413.360	99584.434
σ		1830.004	1766.396	226.139	3662.637	3748.785	64910.400	1456.924	2322.853	227.913
%RSD		0.474	0.490	0.523	1.166	0.679	1.272	1.205	0.516	0.229

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:33:35	248071.270	122461.710	187499.000	160167.350	8676.071	8676.071	30194.898	11888.278	102.605
2	23:34:43	248939.300	123197.690	187145.970	161222.870	8671.381	8671.381	30776.345	11959.170	92.709
3	23:35:51	252329.260	123126.770	187891.600	161257.110	8868.377	8868.377	30675.086	11952.915	113.021
x		249779.950	122928.720	187512.190	160882.440	8738.610	8738.610	30548.776	11933.454	102.778
σ		2250.024	405.994	372.990	619.527	112.406	112.406	310.622	39.249	10.157
%RSD		0.901	0.330	0.199	0.385	1.286	1.286	1.017	0.329	9.883

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:33:35	383067.990	677086.680	728101.330	426975.910	1103600.200	10.938	963425.320	9254.559	427109.500
2	23:34:43	383761.230	677653.240	739229.690	429297.060	1113033.800	4.688	957342.360	9346.807	430625.210
3	23:35:51	386842.690	681495.310	729415.910	425868.580	1114934.700	6.250	961121.380	9482.834	433731.150
x		384557.300	678745.080	732248.970	427380.520	1110522.900	7.292	960629.690	9361.400	430488.620
σ		2009.324	2398.562	6081.100	1749.688	6070.106	3.253	3071.142	114.835	3312.937
%RSD		0.523	0.353	0.830	0.409	0.547	44.607	0.320	1.227	0.770

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:33:35	7140.847	7140.847	413782.000	100815.420	1326510.800	803921.400	71428.124	126286.990	1874844.400
2	23:34:43	6972.013	6972.013	415676.440	102480.330	1344358.200	820000.910	73940.860	129859.430	1852673.100
3	23:35:51	7109.581	7109.581	422971.900	103372.660	1353954.100	818223.530	74242.418	130393.950	1864448.800
x		7074.147	7074.147	417476.780	102222.800	1341607.700	814048.610	73203.801	128846.790	1863988.800
σ		89.821	89.821	4852.266	1297.925	13926.828	8815.332	1545.155	2232.904	11092.822
%RSD		1.270	1.270	1.162	1.270	1.038	1.083	2.111	1.733	0.595

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:33:35	1925513.500	986198.540	2363062.600	792890.760	704798.640	1714583.400	1451423.800	3020.632
2	23:34:43	1898972.500	994101.930	2403958.700	800961.910	707018.450	1731478.800	1437164.300	2647.120
3	23:35:51	1907337.900	999786.610	2377896.900	802134.410	710940.460	1727619.500	1430126.600	8490.022
x		1910608.000	993362.360	2381639.400	798662.360	707585.850	1724560.600	1439571.600	4719.258
σ		13569.328	6824.159	20703.313	5032.612	3109.976	8853.313	10850.801	3270.913
%RSD		0.710	0.687	0.869	0.630	0.440	0.513	0.754	69.310



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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:41:29	42919.062	72.917	354.692	1020.349	533063.320	14487.029	2026.706	2247.052	62988.559
2	23:42:37	41104.362	66.146	260.940	1056.289	534926.370	15836.898	2131.409	2508.033	64217.450
3	23:43:45	40392.963	80.209	307.816	1017.224	531678.760	17218.183	2195.481	2654.934	64658.495
x		41472.129	73.090	307.816	1031.267	533222.820	15847.370	2117.865	2470.006	63954.835
σ		1302.588	7.033	46.876	21.709	1629.670	1365.607	85.199	206.583	865.388
%RSD		3.141	9.622	15.229	2.105	0.306	8.617	4.023	8.364	1.353
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:41:29	5973.123	4585.111	96513.988	1237784.700	1060405.500	148.438	3030.009	417666.040	281.253
2	23:42:37	5673.001	4322.529	93374.476	1192492.900	1042806.300	179.689	3291.004	401848.490	312.503
3	23:43:45	5657.370	4314.714	94296.125	1199480.600	1040538.600	200.001	3314.447	402364.270	300.003
x		5767.832	4407.451	94728.197	1209919.400	1047916.800	176.043	3211.820	407292.930	297.920
σ		177.960	153.907	1613.737	24383.675	10874.806	25.974	157.889	8987.078	15.729
%RSD		3.085	3.492	1.704	2.015	1.038	14.754	4.916	2.207	5.280
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:41:29	2053.273	3802.068	853.150	23578.818	2378.323	380614.640	5232.208	612.513	375.005
2	23:42:37	1831.367	3708.294	821.899	22580.331	2531.474	374772.570	5185.316	607.825	339.067
3	23:43:45	1943.882	3798.943	795.335	22808.819	2670.562	381500.300	5175.938	673.453	360.942
x		1942.841	3769.768	823.461	22989.323	2526.786	378962.510	5197.820	631.264	358.338
σ		110.956	53.261	28.940	523.144	146.176	3655.511	30.147	36.612	18.110
%RSD		5.711	1.413	3.514	2.276	5.785	0.965	0.580	5.800	5.054
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:41:29	889.090	359.380	704.705	231.773	32.813	32.813	2486.675	127.605	113.021
2	23:42:37	921.905	379.693	760.958	246.356	51.563	51.563	2411.141	110.938	98.438
3	23:43:45	914.092	401.568	734.394	246.877	40.625	40.625	2450.731	116.146	108.334
x		908.362	380.213	733.352	241.669	41.667	41.667	2449.516	118.230	106.598
σ		17.141	21.099	28.141	8.574	9.418	9.418	37.782	8.526	7.445
%RSD		1.887	5.549	3.837	3.548	22.604	22.604	1.542	7.212	6.984
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:41:29	631.264	1020.349	1123.482	634.389	1418.821	1.563	1002588.800	507.822	495.321
2	23:42:37	573.449	898.466	931.280	535.948	1448.511	4.688	976001.480	496.884	534.385
3	23:43:45	510.947	885.965	931.280	507.822	1375.066	3.125	969809.780	495.321	560.949
x		571.887	934.927	995.347	559.386	1414.132	3.125	982800.000	500.009	530.218
σ		60.174	74.242	110.967	66.459	36.946	1.563	17414.950	6.811	33.012
%RSD		10.522	7.941	11.149	11.881	2.613	50.000	1.772	1.362	6.226
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:41:29	9.375	9.375	484.383	112.500	3200.358	5061.834	207.814	418.756	1940750.800
2	23:42:37	9.375	9.375	535.948	110.938	2886.229	4027.130	262.502	490.633	1856084.000
3	23:43:45	12.500	12.500	526.572	142.188	2558.041	3401.968	307.816	429.694	1855972.300
x		10.417	10.417	515.634	121.876	2881.543	4163.644	259.377	446.361	1884269.000
σ		1.804	1.804	27.467	17.609	321.184	838.312	50.074	38.729	48914.658
%RSD		17.321	17.321	5.327	14.448	11.146	20.134	19.305	8.677	2.596
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	23:41:29	1958350.800	1042.226	2440.834	857.838	812.523	1918.879	1495135.300	854.713	
2	23:42:37	1898890.800	1178.174	2629.930	1003.160	959.407	2173.603	1470479.600	925.030	
3	23:43:45	1885916.400	1203.176	2751.827	1010.973	939.093	2176.728	1433857.000	1109.418	
x		1914386.000	1141.192	2607.530	957.324	903.675	2089.737	1466490.600	963.054	
σ		38623.339	86.614	156.702	86.246	79.590	147.975	30833.303	131.541	
%RSD		2.018	7.590	6.010	9.009	8.807	7.081	2.103	13.659	

Reviewed By:RSW
On:11/27/2011
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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:49:23	38251.142	101.563	159.376	7500.406	158087730.000	115902160.000	16659714.000	20339330.000	150903500.000
2	23:50:31	38172.808	105.209	154.688	7520.729	159909870.000	117603770.000	16989969.000	20557378.000	151946000.000
3	23:51:39	38238.608	88.021	178.126	7537.926	159611840.000	117755830.000	16891436.000	20610462.000	151466280.000
x		38220.853	98.264	164.063	7519.687	159203140.000	117087250.000	16847040.000	20502390.000	151438590.000
σ		42.077	9.056	12.402	18.782	977405.580	1029134.500	169544.660	143686.740	521797.660
%RSD		0.110	9.216	7.559	0.250	0.614	0.879	1.006	0.701	0.345
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:49:23	15486.515	9152199.600	987006.250	2546882.000	205650840.000	495789.320	8402023.400	388929.460	524916.710
2	23:50:31	15151.781	9195103.300	1002280.700	2583516.100	205984790.000	501626.950	8499815.300	387304.960	524868.100
3	23:51:39	15433.332	9204410.400	1001422.000	2601601.900	207606800.000	497908.000	8416767.100	386820.220	525051.210
x		15357.209	9183904.400	996902.990	2577333.300	206414140.000	498441.420	8439535.300	387684.880	524945.340
σ		179.882	27848.752	8581.573	27878.933	1046281.900	2955.150	52721.975	1104.756	94.853
%RSD		1.171	0.303	0.861	1.082	0.507	0.593	0.625	0.285	0.018
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:49:23	65313.025	75516.256	30581.135	26023491.000	43027.199	438830410.000	10786085.000	5324.430	5812.120
2	23:50:31	73201.127	76113.161	32905.040	26161786.000	43451.920	440445100.000	10845806.000	5612.040	5616.729
3	23:51:39	77776.773	76301.663	34526.046	26314667.000	43392.364	443116000.000	10877518.000	5365.070	5741.779
x		72096.975	75977.027	32670.740	26166648.000	43290.494	440797170.000	10836470.000	5433.846	5723.542
σ		6304.809	410.019	1982.865	145649.150	229.956	2164376.800	46426.042	155.652	98.964
%RSD		8.745	0.540	6.069	0.557	0.531	0.491	0.428	2.864	1.729
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:49:23	19256.720	9697.040	11631.296	1886.583	525.010	525.010	2309.041	101.563	96.875
2	23:50:31	19525.835	10003.501	11678.209	2035.562	631.264	631.264	2266.847	109.375	101.563
3	23:51:39	19395.971	9836.198	11643.806	2058.482	617.201	617.201	2281.432	104.688	102.084
x		19392.842	9845.580	11651.103	1993.542	591.158	591.158	2285.773	105.209	100.174
σ		134.585	153.446	24.293	93.336	57.716	57.716	21.429	3.932	2.869
%RSD		0.694	1.559	0.209	4.682	9.763	9.763	0.938	3.738	2.864
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:49:23	1534166.300	2657837.200	2905941.800	1699820.300	4378827.300	10.938	903094.080	418.756	389.068
2	23:50:31	1550202.700	2703990.900	2924653.200	1713496.700	4482964.800	10.938	892756.520	439.069	357.817
3	23:51:39	1540447.600	2655551.500	2897813.300	1713849.600	4439251.900	17.188	900448.740	476.570	581.262
x		1541605.500	2672459.800	2909469.500	1709055.500	4433681.300	13.021	898766.450	444.799	442.716
σ		8080.662	27330.609	13763.290	7999.911	52291.785	3.608	5370.182	29.330	120.998
%RSD		0.524	1.023	0.473	0.468	1.179	27.713	0.598	6.594	27.331
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:49:23	1378.191	1378.191	423.444	1828.242	1832.930	6653.111	1090.667	1839.181	1834973.400
2	23:50:31	1404.757	1404.757	367.192	1664.159	1770.422	6141.945	1073.478	1903.252	1855180.200
3	23:51:39	1453.199	1453.199	340.629	1671.973	1645.407	6096.613	970.345	1984.513	1852095.500
x		1412.049	1412.049	377.088	1721.458	1749.586	6297.223	1044.830	1908.982	1847416.400
σ		38.032	38.032	42.285	92.560	95.482	309.041	65.076	72.835	10885.759
%RSD		2.693	2.693	11.214	5.377	5.457	4.908	6.228	3.815	0.589
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	23:49:23	1895804.300	698.455	1856.371	18411.857	14297.776	36538.856	1384827.600	487.508	
2	23:50:31	1900133.000	553.136	1543.833	18668.440	14720.080	36507.526	1384594.000	471.883	
3	23:51:39	1888604.900	618.763	1353.189	18707.554	14823.312	36841.193	1389840.500	525.010	
x		1894847.400	623.451	1584.464	18595.950	14613.723	36629.192	1386420.700	494.800	
σ		5823.331	72.773	254.040	160.624	278.443	184.266	2963.936	27.304	
%RSD		0.307	11.673	16.033	0.864	1.905	0.503	0.214	5.518	

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	23:57:17	38968.702	2647.120	142.188	7709.892	163724620.000	120076470.000	17292615.000	20986862.000	155392750.000
2	23:58:25	39131.647	2585.651	134.376	7645.796	163075680.000	119578250.000	17049101.000	20812588.000	154223210.000
3	23:59:33	38946.768	2642.432	134.376	7570.756	162372950.000	119564480.000	17053396.000	20768882.000	154680270.000
x		39015.705	2625.068	136.980	7642.148	163057750.000	119739730.000	17131704.000	20856111.000	154765410.000
σ		101.005	34.216	4.511	69.640	676012.050	291703.520	139369.450	115323.590	589404.630
%RSD		0.259	1.303	3.293	0.911	0.415	0.244	0.814	0.553	0.381

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	23:57:17	16306.176	9295788.100	1007385.800	2645148.900	210743670.000	501893.900	8617613.000	398233.730	533000.090
2	23:58:25	16462.605	9223818.700	999070.260	2642227.900	209049810.000	500581.860	8560963.900	395344.170	526658.790
3	23:59:33	16431.319	9240727.900	1002098.300	2644540.400	209879610.000	501657.690	8561116.400	395808.320	528256.820
x		16400.033	9253444.900	1002851.400	2643972.400	209891030.000	501377.820	8579897.800	396462.070	529305.230
σ		82.775	37632.292	4208.615	1541.098	846984.380	699.363	32662.471	1551.748	3298.091
%RSD		0.505	0.407	0.420	0.058	0.404	0.139	0.381	0.391	0.623

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	23:57:17	153038.800	150442.690	44047.489	26561633.000	155148.880	442183830.000	10944646.000	92599.142	24890.415
2	23:58:25	156700.050	149560.060	44600.764	26358503.000	153277.270	443586900.000	10847304.000	91759.374	24644.677
3	23:59:33	158535.760	149729.000	45611.762	26269866.000	154078.010	441924640.000	10844880.000	91367.814	25042.242
x		156091.540	149910.590	44753.338	26396667.000	154168.050	442565120.000	10878943.000	91908.776	24859.111
σ		2798.545	468.497	793.219	149580.650	939.046	894326.530	56913.323	629.113	200.623
%RSD		1.793	0.313	1.772	0.567	0.609	0.202	0.523	0.684	0.807

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	23:57:17	65900.086	32695.184	29672.973	18011.347	1548.521	1548.521	5097.784	1291.204	116.667
2	23:58:25	66177.929	32641.937	29651.052	17971.192	1523.519	1523.519	5145.197	1303.705	110.938
3	23:59:33	65303.607	32400.764	30000.217	17926.344	1539.145	1539.145	5154.576	1275.578	106.250
x		65793.874	32579.295	29774.747	17969.628	1537.062	1537.062	5132.519	1290.162	111.285
σ		446.733	156.888	195.570	42.523	12.631	12.631	30.444	14.093	5.217
%RSD		0.679	0.482	0.657	0.237	0.822	0.822	0.593	1.092	4.688

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	23:57:17	1545601.300	2708567.600	2938672.400	1716158.300	4464195.300	12.500	910129.560	2282.995	80490.179
2	23:58:25	1555693.300	2693114.200	2911803.600	1703168.900	4436449.600	7.813	904600.690	2206.420	79561.561
3	23:59:33	1549834.500	2721864.800	2958033.500	1713837.300	4461641.100	9.375	908863.590	2222.048	79783.104
x		1550376.300	2707848.900	2936169.800	1711054.800	4454095.300	9.896	907864.610	2237.154	79944.948
σ		5067.765	14388.783	23216.318	6927.316	15334.923	2.387	2896.649	40.461	485.003
%RSD		0.327	0.531	0.791	0.405	0.344	24.119	0.319	1.809	0.607

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	23:57:17	2651.809	2651.809	78896.953	21635.120	1617.279	88962.076	15552.211	27460.743	1871384.900
2	23:58:25	2573.669	2573.669	77658.947	21874.547	1615.716	87704.335	15381.714	27363.682	1875027.100
3	23:59:33	2625.241	2625.241	78045.420	21638.250	1493.828	87932.293	15611.651	27698.702	1880619.000
x		2616.906	2616.906	78200.440	21715.972	1575.608	88199.568	15515.192	27507.709	1875677.000
σ		39.731	39.731	633.394	137.339	70.828	670.116	119.355	172.377	4651.228
%RSD		1.518	1.518	0.810	0.632	4.495	0.760	0.769	0.627	0.248

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	23:57:17	1912014.900	97848.017	232519.190	98425.401	82578.610	204275.120	1400084.600	501.571
2	23:58:25	1917778.800	97294.254	235141.280	98246.047	82932.212	204292.560	1394179.700	500.009
3	23:59:33	1919102.600	98268.073	235566.960	98996.514	83927.059	205145.270	1386081.600	434.382
x		1916298.800	97803.448	234409.140	98555.987	83145.960	204570.980	1393448.600	478.654
σ		3768.502	488.437	1650.524	391.905	699.175	497.424	7030.073	38.349
%RSD		0.197	0.499	0.704	0.398	0.841	0.243	0.505	8.012

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:05:12	40596.664	68.750	100.000	1786.049	18194548.000	13083070.000	1877866.200	2309056.500	16955394.000
2	00:06:20	41685.731	73.438	90.625	1889.187	18498305.000	13263150.000	1901057.400	2321211.500	17280930.000
3	00:07:28	41190.548	89.584	90.625	1854.808	18530501.000	13470193.000	1929536.100	2329228.700	17247993.000
x		41157.647	77.257	93.750	1843.348	18407785.000	13272138.000	1902819.900	2319832.300	17161439.000
σ		545.278	10.929	5.413	52.515	185368.810	193717.890	25880.030	10156.551	179198.360
%RSD		1.325	14.147	5.774	2.849	1.007	1.460	1.360	0.438	1.044
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:05:12	7164.296	1003491.100	196235.470	1397251.300	24104137.000	53959.527	898347.440	414073.060	57085.705
2	00:06:20	7129.904	1015307.200	197402.960	1424096.100	24178026.000	54547.692	911615.250	420054.890	57543.787
3	00:07:28	6923.552	1023393.800	197561.370	1424909.000	24679306.000	55935.857	913175.980	420764.380	57928.148
x		7072.584	1014064.000	197066.600	1415418.800	24320490.000	54814.359	907712.890	418297.440	57519.213
σ		130.206	10009.415	724.123	15738.768	312932.300	1014.792	8148.172	3675.578	421.759
%RSD		1.841	0.987	0.367	1.112	1.287	1.851	0.898	0.879	0.733
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:05:12	21606.953	12904.263	8482.205	2910410.400	9351.497	49368677.000	1222296.700	834.399	1125.044
2	00:06:20	21209.483	12730.670	7974.100	2930765.000	9647.006	49830296.000	1228810.500	829.712	1125.044
3	00:07:28	20730.656	13085.678	8177.340	2955010.700	10067.609	49821509.000	1234276.400	937.531	1270.369
x		21182.364	12906.870	8211.215	2932062.000	9688.704	49673494.000	1228461.200	867.214	1173.486
σ		438.778	177.518	255.741	22328.417	359.872	264015.670	5997.490	60.941	83.903
%RSD		2.071	1.375	3.115	0.762	3.714	0.532	0.488	7.027	7.150
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:05:12	2708.069	1307.872	2065.774	671.370	178.126	178.126	2374.156	117.188	104.167
2	00:06:20	2794.023	1295.371	2170.477	681.787	209.377	209.377	2527.828	112.500	106.771
3	00:07:28	2847.159	1321.936	2101.717	681.266	210.939	210.939	2462.191	102.605	107.292
x		2783.084	1308.393	2112.656	678.141	199.481	199.481	2454.725	110.764	106.077
σ		70.187	13.290	53.202	5.870	18.510	18.510	77.108	7.445	1.674
%RSD		2.522	1.016	2.518	0.866	9.279	9.279	3.141	6.722	1.578
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:05:12	165866.730	288292.380	311366.000	181389.620	479800.800	0.000	969557.550	529.697	221.877
2	00:06:20	166810.430	294651.410	316243.270	181954.550	477629.840	0.000	975316.350	503.134	182.814
3	00:07:28	168824.510	292873.220	319689.020	186159.780	484584.840	0.000	990563.700	562.511	187.501
x		167167.230	291939.000	315766.100	183167.980	480671.830	0.000	978479.200	531.781	197.397
σ		1510.826	3280.838	4181.976	2606.319	3558.375	0.000	10854.366	29.743	21.329
%RSD		0.904	1.124	1.324	1.423	0.740	0.000	1.109	5.593	10.805
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:05:12	134.376	134.376	129.688	243.752	604.700	1271.932	168.751	345.317	1918746.700
2	00:06:20	170.314	170.314	192.189	234.377	681.266	1209.426	198.439	334.379	1925714.700
3	00:07:28	171.876	171.876	209.377	264.065	668.766	1376.629	225.002	404.693	1922446.600
x		158.855	158.855	177.084	247.398	651.577	1285.996	197.397	361.463	1922302.700
σ		21.214	21.214	41.936	15.176	41.075	84.484	28.140	37.836	3486.219
%RSD		13.354	13.354	23.682	6.134	6.304	6.570	14.255	10.467	0.181
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	00:05:12	1938209.900	598.450	1439.135	2404.890	1870.435	4777.361	1448101.300	217.189	
2	00:06:20	1971967.300	576.574	1353.189	2298.622	2053.273	4899.278	1454362.300	303.128	
3	00:07:28	1952812.400	604.700	1342.251	2526.786	2059.523	5286.916	1446902.600	454.695	
x		1954329.900	593.241	1378.191	2410.099	1994.410	4987.851	1449788.700	325.004	
σ		16929.795	14.769	53.061	114.171	107.411	266.074	4005.917	120.254	
%RSD		0.866	2.490	3.850	4.737	5.386	5.334	0.276	37.001	

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:13:07	41331.579	320.316	85.938	1882.937	18545302.000	13427409.000	1902027.900	2322808.200	17297462.000
2	00:14:15	41510.221	340.108	65.625	1939.194	18641413.000	13440992.000	1933061.100	2351919.500	17328835.000
3	00:15:23	41450.673	359.900	73.438	1832.930	18674677.000	13502386.000	1934879.400	2350053.000	17445384.000
x		41430.824	340.108	75.000	1885.020	18620464.000	13456929.000	1923322.800	2341593.600	17357227.000
σ		90.960	19.792	10.246	53.163	67183.358	39948.407	18464.315	16295.330	77940.642
%RSD		0.220	5.819	13.661	2.820	0.361	0.297	0.960	0.696	0.449

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:13:07	7226.828	1032583.500	197765.730	1436462.800	24394271.000	54475.543	900744.680	421409.540	57609.677
2	00:14:15	7480.083	1020465.400	198169.710	1443603.400	24489001.000	55433.906	910883.200	422051.520	57590.851
3	00:15:23	7364.398	1036937.200	199853.870	1443486.200	24528706.000	56037.818	917110.140	422785.240	58976.173
x		7357.103	1029995.400	198596.440	1441184.100	24470659.000	55315.756	909579.340	422082.100	58058.900
σ		126.785	8535.494	1107.541	4089.253	69069.096	787.811	8260.275	688.361	794.437
%RSD		1.723	0.829	0.558	0.284	0.282	1.424	0.908	0.163	1.368

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:13:07	25826.449	20528.802	8285.214	2948368.900	18821.766	49452513.000	1226993.600	10472.587	3280.064
2	00:14:15	25658.960	20380.152	8205.481	2952219.800	18734.151	49792570.000	1233072.500	10319.351	3239.430
3	00:15:23	25212.854	20503.766	7811.510	2934347.500	18899.994	50105905.000	1234317.200	10267.751	3205.047
x		25566.088	20470.907	8100.735	2944978.800	18818.637	49783662.000	1231461.100	10353.230	3241.514
σ		317.165	79.587	253.629	9406.115	82.966	326787.040	3918.717	106.538	37.552
%RSD		1.241	0.389	3.131	0.319	0.441	0.656	0.318	1.029	1.158

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:13:07	7928.762	3875.526	3850.519	2202.774	240.627	240.627	2824.238	240.106	94.271
2	00:14:15	7819.327	3831.764	3727.049	2276.744	259.377	259.377	2796.107	216.147	102.084
3	00:15:23	7880.298	3859.896	3923.976	2283.516	262.502	262.502	2838.824	249.481	102.605
x		7876.129	3855.729	3833.848	2254.345	254.169	254.169	2819.723	235.245	99.653
σ		54.837	22.177	99.517	44.790	11.831	11.831	21.713	17.190	4.668
%RSD		0.696	0.575	2.596	1.987	4.655	4.655	0.770	7.307	4.684

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:13:07	164902.540	294365.930	316289.600	184423.410	476539.630	6.250	985033.050	720.331	8676.071
2	00:14:15	166279.300	294067.690	316728.860	183412.080	484735.130	4.688	991359.940	664.078	8968.439
3	00:15:23	168007.150	293335.690	317690.480	185252.790	481304.830	1.563	988389.320	698.455	8841.798
x		166396.330	293923.100	316902.980	184362.760	480859.860	4.167	988260.770	694.288	8828.770
σ		1555.611	530.123	716.492	921.853	4115.825	2.387	3165.403	28.357	146.619
%RSD		0.935	0.180	0.226	0.500	0.856	57.282	0.320	4.084	1.661

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:13:07	257.815	257.815	8488.459	2473.652	501.571	9475.016	1609.466	2904.983	1905026.500
2	00:14:15	278.128	278.128	8447.810	2398.639	531.260	9853.397	1757.921	2933.114	1907005.400
3	00:15:23	307.816	307.816	8776.132	2386.137	550.011	10078.554	1764.171	2859.661	1907016.000
x		281.253	281.253	8570.800	2419.476	527.614	9802.322	1710.519	2899.253	1906349.300
σ		25.147	25.147	178.981	47.332	24.425	304.993	87.571	37.060	1145.570
%RSD		8.941	8.941	2.088	1.956	4.629	3.111	5.120	1.278	0.060

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:13:07	1935298.900	10238.042	24707.285	10633.644	8780.823	21488.024	1425968.200	154.688
2	00:14:15	1961692.700	10380.332	25039.112	10425.678	8918.408	22220.393	1449722.800	184.376
3	00:15:23	1946224.200	10156.734	24708.850	10528.879	9120.098	21954.357	1448551.500	281.253
x		1947738.600	10258.370	24818.416	10529.400	8939.776	21887.591	1441414.200	206.772
σ		13261.911	113.177	191.130	103.984	170.644	370.721	13389.418	66.188
%RSD		0.681	1.103	0.770	0.988	1.909	1.694	0.929	32.010

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:21:00	41057.353	66278.916	11721.995	1414.132	87197234.000	64338762.000	9200499.000	11125806.000	17066695.000
2	00:22:09	40628.003	65417.145	11614.094	1346.939	85862099.000	63445776.000	9045377.600	11010609.000	16881515.000
3	00:23:17	40664.042	65452.201	11629.732	1328.187	84735888.000	62248189.000	8894405.800	10806358.000	16528765.000
x̄		40783.133	65716.088	11655.274	1363.086	85931740.000	63344242.000	9046760.800	10980924.000	16825558.000
σ		238.164	487.739	58.309	45.191	1232149.900	1048978.700	153051.290	161779.740	273279.960
%RSD		0.584	0.742	0.500	3.315	1.434	1.656	1.692	1.473	1.624
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:21:00	197534.440	1002632.300	194629.350	1249504.600	58053777.000	267993.480	4598801.400	412603.320	138732.880
2	00:22:09	194325.250	992768.510	191477.810	1224065.500	57229554.000	265522.990	4530662.300	407889.560	134464.230
3	00:23:17	190682.910	984288.980	189891.220	1200250.800	56401256.000	260877.630	4475029.900	396714.190	132702.560
x̄		194180.870	993229.930	191999.460	1224607.000	57228196.000	264798.040	4534831.200	405735.690	135299.890
σ		3428.046	9180.354	2411.753	24631.322	826261.290	3612.893	61990.976	8160.606	3100.797
%RSD		1.765	0.924	1.256	2.011	1.444	1.364	1.367	2.011	2.292
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:21:00	2034755.600	1890554.900	227857.480	7293100.000	5758814.800	123263170.000	3021745.400	2299702.200	500447.590
2	00:22:09	2008462.600	1871897.600	225658.930	7180418.500	5708104.600	121998820.000	2980093.300	2296948.000	492175.330
3	00:23:17	1985885.500	1838562.600	220426.620	7108889.000	5625465.600	120554750.000	2974728.500	2271182.400	493029.020
x̄		2009701.200	1867005.100	224647.670	7194135.800	5697461.700	121938910.000	2992189.100	2289277.500	495217.310
σ		24458.576	26339.177	3817.248	92868.439	67308.685	1355203.600	25736.709	15731.226	4549.620
%RSD		1.217	1.411	1.699	1.291	1.181	1.111	0.860	0.687	0.919
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:21:00	2494103.800	1219947.100	965899.950	424081.690	23067.046	23067.046	77106.488	31006.007	119.271
2	00:22:09	2442094.500	1206758.500	946339.650	417139.000	22614.761	22614.761	75983.830	30742.418	94.792
3	00:23:17	2429784.800	1195655.600	952456.450	413977.110	23254.850	23254.850	75809.993	30518.501	92.709
x̄		2455327.700	1207453.700	954898.680	418399.270	22978.885	22978.885	76300.103	30755.642	102.257
σ		34140.487	12160.626	10006.234	5168.832	329.025	329.025	703.737	244.022	14.771
%RSD		1.390	1.007	1.048	1.235	1.432	1.432	0.922	0.793	14.445
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:21:00	406140.780	709463.430	771384.970	447868.410	1171105.800	7.813	959857.700	46169.800	2186657.200
2	00:22:09	401721.550	708605.180	764982.210	445209.070	1164425.900	3.125	951915.890	46016.180	2146319.900
3	00:23:17	398561.430	699105.440	760579.660	439502.000	1152277.300	3.125	943701.550	45458.148	2144743.300
x̄		402141.250	705724.680	765648.950	444193.160	1162603.000	4.688	951825.050	45881.376	2159240.100
σ		3807.068	5748.475	5433.424	4274.725	9545.681	2.706	8078.460	374.488	23756.975
%RSD		0.947	0.815	0.710	0.962	0.821	57.735	0.849	0.816	1.100
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:21:00	34446.166	34446.166	2132590.800	521515.800	1405367.500	2144192.500	1879761.700	3293131.900	1876977.200
2	00:22:09	34295.805	34295.805	2109186.800	516154.390	1388498.700	2140985.700	1876881.400	3275267.500	1892933.400
3	00:23:17	33901.115	33901.115	2082918.800	515062.910	1388777.000	2142081.600	1868781.100	3290909.300	1890750.300
x̄		34214.362	34214.362	2108232.200	517577.700	1394214.400	2142419.900	1875141.400	3286436.200	1886887.000
σ		281.505	281.505	24849.760	3453.885	9659.855	1629.949	5693.368	9736.067	8651.220
%RSD		0.823	0.823	1.179	0.667	0.693	0.076	0.304	0.296	0.458
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	00:21:00	1923270.700	2469057.500	5875659.500	1910613.400	1807434.400	4267166.100	1415642.800	8864196.900	
2	00:22:09	1934842.900	2475150.200	5947621.400	1938436.200	1818225.800	4308246.500	1427540.800	8843601.700	
3	00:23:17	1925659.500	2494545.300	5913229.400	1941752.300	1802796.400	4323145.900	1418422.700	8995398.600	
x̄		1927924.400	2479584.300	5912170.100	1930267.300	1809485.500	4299519.500	1420535.400	8901065.700	
σ		6109.506	13309.878	35992.599	17101.299	7916.596	28992.321	6224.013	82341.060	
%RSD		0.317	0.537	0.609	0.886	0.438	0.674	0.438	0.925	

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:28:53	40562.191	79.167	193.751	1001.598	534673.410	16536.127	2272.056	2634.618	60022.706
2	00:30:01	41532.160	69.271	168.751	957.845	535476.090	16640.937	2354.882	2653.371	59807.745
3	00:31:09	40930.427	75.521	154.688	1056.289	545295.040	22505.213	3087.834	3641.089	63327.553
x		41008.259	74.653	172.397	1005.244	538481.510	18560.759	2571.590	2976.359	61052.668
σ		489.646	5.005	19.785	49.323	5914.323	3416.399	448.994	575.749	1973.038
%RSD		1.194	6.704	11.476	4.907	1.098	18.407	17.460	19.344	3.232
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:28:53	5225.956	4636.690	92177.679	1186322.000	1094625.700	139.063	3245.681	398116.460	276.565
2	00:30:01	5522.942	4692.958	92673.056	1199070.100	1098342.200	187.501	3001.878	401870.980	268.753
3	00:31:09	5657.370	4835.193	91643.006	1198208.300	1105656.700	160.938	3491.052	402677.600	284.378
x		5468.756	4721.614	92164.580	1194533.500	1099541.500	162.501	3246.204	400888.350	276.565
σ		220.753	102.307	515.150	7124.382	5612.420	24.257	244.587	2434.168	7.813
%RSD		4.037	2.167	0.559	0.596	0.510	14.927	7.535	0.607	2.825
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:28:53	5679.254	3403.530	2161.101	22772.824	1907.940	359967.820	4627.312	328.129	301.566
2	00:30:01	5501.059	3492.614	2115.782	22369.062	2007.954	356943.340	4627.312	332.816	289.065
3	00:31:09	5760.536	3448.854	2122.033	23190.683	2389.262	372913.930	4663.261	493.759	342.192
x		5646.950	3448.333	2132.972	22777.523	2101.719	363275.030	4639.295	384.901	310.941
σ		132.721	44.544	24.560	410.831	253.992	8483.407	20.755	94.302	27.776
%RSD		2.350	1.292	1.151	1.804	12.085	2.335	0.447	24.500	8.933
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:28:53	701.580	279.690	487.508	253.648	75.000	75.000	2381.449	88.021	97.396
2	00:30:01	751.582	323.441	435.944	271.878	110.938	110.938	2393.951	110.938	98.959
3	00:31:09	928.155	434.382	482.821	277.607	78.125	78.125	2456.461	106.250	95.834
x		793.772	345.838	468.758	267.711	88.021	88.021	2410.620	101.736	97.396
σ		119.034	79.741	28.514	12.511	19.908	19.908	40.189	12.107	1.563
%RSD		14.996	23.057	6.083	4.673	22.617	22.617	1.667	11.900	1.604
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:28:53	415.631	578.137	639.077	421.881	971.908	1.563	951530.510	479.696	276.565
2	00:30:01	345.317	525.010	542.198	323.441	775.021	0.000	976850.410	493.759	298.441
3	00:31:09	353.129	479.696	553.136	328.129	854.713	1.563	973003.870	512.509	460.945
x		371.359	527.614	578.137	357.817	867.214	1.042	967128.260	495.321	345.317
σ		38.539	49.272	53.058	55.531	99.037	0.902	13644.282	16.463	100.732
%RSD		10.378	9.339	9.177	15.519	11.420	86.603	1.411	3.324	29.171
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:28:53	9.375	9.375	285.940	73.438	1882.937	3936.480	196.876	435.944	1868087.600
2	00:30:01	10.938	10.938	300.003	78.125	1512.580	3119.090	185.939	342.192	1893082.600
3	00:31:09	6.250	6.250	479.696	93.750	1412.570	2687.753	326.566	618.763	1869717.500
x		8.854	8.854	355.213	81.771	1602.696	3247.774	236.460	465.633	1876962.600
σ		2.387	2.387	108.034	10.636	247.794	634.231	78.225	140.656	13984.092
%RSD		26.956	26.956	30.414	13.007	15.461	19.528	33.082	30.207	0.745
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	00:28:53	1898553.100	435.944	1264.118	423.444	431.257	954.719	1445271.000	1303.184	
2	00:30:01	1944370.400	509.384	1153.171	426.569	407.818	915.654	1474667.600	1145.358	
3	00:31:09	1919860.700	689.079	1481.327	585.950	568.761	1329.749	1449457.100	1804.802	
x		1920928.100	544.802	1299.539	478.654	469.279	1066.708	1456465.200	1417.781	
σ		22927.271	130.231	166.920	92.934	86.948	228.637	15902.020	344.334	
%RSD		1.194	23.904	12.845	19.416	18.528	21.434	1.092	24.287	

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:36:46	40422.734	64.063	95.313	1042.226	525338.030	7401.917	990.659	1042.226	53812.098
2	00:37:54	41380.157	65.104	114.063	1057.852	522249.710	7226.828	900.028	1098.480	53899.928
3	00:39:03	40526.151	60.938	100.000	984.409	523801.890	7491.026	962.532	1179.736	54121.074
x̄		40776.348	63.368	103.125	1028.162	523796.540	7373.257	951.073	1106.814	53944.367
σ		525.465	2.168	9.758	38.688	1544.167	134.411	46.389	69.133	159.210
%RSD		1.289	3.422	9.462	3.763	0.295	1.823	4.878	6.246	0.295

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:36:46	5254.091	4621.060	92930.973	1194636.400	1085882.300	128.126	2567.418	399489.950	265.627
2	00:37:54	5594.845	4530.406	93108.687	1200237.300	1087370.600	142.188	2556.479	400175.950	214.064
3	00:39:03	5676.127	4821.126	92819.313	1203966.700	1095591.000	142.188	2701.818	400147.030	237.502
x̄		5508.355	4657.530	92952.991	1199613.400	1089614.600	137.501	2608.572	399937.640	239.065
σ		223.918	148.752	145.938	4696.350	5228.906	8.119	80.939	387.979	25.817
%RSD		4.065	3.194	0.157	0.391	0.480	5.905	3.103	0.097	10.799

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:36:46	4403.804	3289.441	1665.722	21674.242	1309.435	336053.540	4074.018	120.313	234.377
2	00:37:54	4533.532	3337.890	1695.413	21542.793	1339.125	336600.570	4163.106	96.875	259.377
3	00:39:03	4025.567	3306.633	1568.836	21974.701	1371.941	338619.330	4061.515	126.563	254.690
x̄		4320.967	3311.321	1643.324	21730.579	1340.167	337091.150	4099.547	114.584	249.481
σ		263.919	24.562	66.194	221.396	31.266	1351.408	55.398	15.651	13.289
%RSD		6.108	0.742	4.028	1.019	2.333	0.401	1.351	13.659	5.327

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:36:46	454.695	187.501	468.758	175.001	70.313	70.313	2352.798	103.125	99.480
2	00:37:54	453.132	187.501	489.071	181.772	43.750	43.750	2379.365	112.500	84.375
3	00:39:03	409.381	203.126	481.258	164.584	53.125	53.125	2318.938	102.084	111.459
x̄		439.069	192.710	479.696	173.786	55.729	55.729	2350.367	105.903	98.438
σ		25.723	9.021	10.246	8.658	13.471	13.471	30.287	5.737	13.572
%RSD		5.858	4.681	2.136	4.982	24.173	24.173	1.289	5.417	13.787

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:36:46	153.126	192.189	201.564	96.875	318.754	0.000	960857.620	471.883	50.000
2	00:37:54	121.876	175.001	181.251	89.063	259.377	1.563	971694.080	509.384	39.063
3	00:39:03	120.313	129.688	160.938	98.438	260.940	1.563	950881.550	462.507	81.250
x̄		131.771	165.626	181.251	94.792	279.690	1.042	961144.410	481.258	56.771
σ		18.510	32.288	20.313	5.023	33.839	0.902	10409.227	24.805	21.894
%RSD		14.047	19.494	11.207	5.299	12.099	86.603	1.083	5.154	38.565

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:36:46	3.125	3.125	51.563	15.625	617.201	1098.480	21.875	50.000	1869637.700
2	00:37:54	1.563	1.563	43.750	20.313	632.827	950.032	29.688	50.000	1884686.000
3	00:39:03	1.563	1.563	67.188	10.938	637.514	965.658	26.563	32.813	1857138.400
x̄		2.083	2.083	54.167	15.625	629.181	1004.723	26.042	44.271	1870487.400
σ		0.902	0.902	11.934	4.688	10.636	81.571	3.932	9.923	13793.434
%RSD		43.301	43.301	22.032	30.000	1.690	8.119	15.100	22.415	0.737

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:36:46	1906528.900	156.251	428.131	217.189	170.314	429.694	1450388.700	129.688
2	00:37:54	1912372.400	157.813	418.756	168.751	173.439	450.007	1463443.500	114.063
3	00:39:03	1903419.500	173.439	445.319	189.064	223.439	493.759	1446612.800	118.750
x̄		1907440.300	162.501	430.736	191.668	189.064	457.820	1453481.700	120.834
σ		4545.528	9.504	13.472	24.324	29.811	32.739	8831.367	8.018
%RSD		0.238	5.849	3.128	12.691	15.768	7.151	0.608	6.636

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:44:40	41185.847	54.167	78.125	1010.973	530563.420	9068.502	1101.605	1421.946	55477.826
2	00:45:48	40958.632	62.500	67.188	985.972	531176.190	8422.795	1145.358	1248.492	55043.338
3	00:46:56	41524.324	64.063	60.938	1035.975	525482.250	7720.836	1068.790	1175.048	55074.709
x		41222.934	60.243	68.750	1010.973	529073.960	8404.044	1105.251	1281.829	55198.624
σ		284.664	5.320	8.700	25.002	3125.559	674.029	38.414	126.780	242.304
%RSD		0.691	8.831	12.654	2.473	0.591	8.020	3.476	9.891	0.439

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:44:40	5263.470	4544.473	92871.212	1200430.700	1088677.200	143.751	2393.951	401924.010	207.814
2	00:45:48	5622.981	4594.489	94035.038	1203878.500	1091083.600	107.813	2347.068	403906.900	242.190
3	00:46:56	5444.787	4592.926	93494.004	1203892.000	1085565.800	117.188	2364.258	406311.150	246.877
x		5443.746	4577.296	93466.751	1202733.700	1088442.200	122.917	2368.425	404047.350	232.294
σ		179.758	28.436	582.392	1994.519	2766.407	18.641	23.718	2196.943	21.329
%RSD		3.302	0.621	0.623	0.166	0.254	15.166	1.001	0.544	9.182

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:44:40	3242.555	3136.282	1300.059	22217.263	1632.906	347534.310	4341.284	157.813	264.065
2	00:45:48	3165.976	3269.124	1340.688	21876.112	1582.900	348333.110	4367.855	151.563	235.939
3	00:46:56	2983.124	3359.770	1187.549	22527.123	1512.580	347206.170	4503.835	114.063	300.003
x		3130.552	3255.059	1276.099	22206.832	1576.129	347691.200	4404.325	141.147	266.669
σ		133.294	112.406	79.331	325.631	60.448	579.619	87.196	23.662	32.111
%RSD		4.258	3.453	6.217	1.466	3.835	0.167	1.980	16.764	12.042

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:44:40	429.694	185.939	351.567	133.334	45.313	45.313	2370.509	101.563	107.813
2	00:45:48	443.757	192.189	346.879	113.021	65.625	65.625	2351.235	106.250	97.396
3	00:46:56	481.258	189.064	304.691	145.834	62.500	62.500	2360.091	103.646	94.271
x		451.570	189.064	334.379	130.730	57.813	57.813	2360.612	103.820	99.827
σ		26.655	3.125	25.817	16.561	10.938	10.938	9.648	2.349	7.091
%RSD		5.903	1.653	7.721	12.668	18.919	18.919	0.409	2.262	7.103

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:44:40	120.313	151.563	131.251	87.500	243.752	1.563	969056.460	464.070	85.938
2	00:45:48	93.750	154.688	134.376	81.250	195.314	4.688	969108.240	489.071	56.250
3	00:46:56	115.625	110.938	107.813	103.125	228.127	3.125	973593.660	537.510	48.438
x		109.896	139.063	124.480	90.625	222.398	3.125	970586.120	496.884	63.542
σ		14.178	24.407	14.518	11.267	24.722	1.563	2604.734	37.338	19.785
%RSD		12.901	17.551	11.663	12.433	11.116	50.000	0.268	7.514	31.137

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:44:40	1.563	1.563	53.125	45.313	492.196	589.075	37.500	84.375	1905792.800
2	00:45:48	9.375	9.375	50.000	21.875	434.382	559.386	37.500	78.125	1896749.500
3	00:46:56	3.125	3.125	42.188	18.750	446.882	540.635	32.813	62.500	1907818.000
x		4.688	4.688	48.438	28.646	457.820	563.032	35.938	75.000	1903453.400
σ		4.134	4.134	5.634	14.518	30.420	24.425	2.706	11.267	5893.383
%RSD		88.192	88.192	11.631	50.681	6.644	4.338	7.531	15.023	0.310

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:44:40	1920697.100	185.939	492.196	251.565	215.627	454.695	1452780.000	196.876
2	00:45:48	1937527.500	209.377	423.444	210.939	217.189	481.258	1468943.900	156.251
3	00:46:56	1940845.200	165.626	418.756	175.001	185.939	457.820	1475248.200	126.563
x		1933023.300	186.980	444.799	212.502	206.251	464.591	1465657.400	159.897
σ		10802.908	21.894	41.114	38.306	17.609	14.519	11589.053	35.298
%RSD		0.559	11.709	9.243	18.026	8.538	3.125	0.791	22.076

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	00:52:33	41098.094	57.292	70.313	987.534	520914.770	7792.750	1110.981	1120.356	54754.732
2	00:53:41	40874.015	65.104	43.750	1059.414	518923.940	7295.612	1034.412	1085.979	54425.352
3	00:54:49	40986.838	65.104	46.875	1014.098	518821.890	7007.968	920.342	943.781	54894.329
x		40986.316	62.500	53.646	1020.349	519553.530	7365.444	1021.912	1050.039	54691.471
σ		112.040	4.511	14.518	36.345	1179.972	397.024	95.932	93.613	240.803
%RSD		0.273	7.217	27.063	3.562	0.227	5.390	9.388	8.915	0.440

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	00:52:33	5110.289	4638.253	92937.264	1202178.200	1079496.400	92.188	2176.728	405702.010	221.877
2	00:53:41	5457.292	4633.564	93627.688	1198652.800	1079237.200	140.626	2314.250	404748.980	206.251
3	00:54:49	5322.867	4460.071	93347.740	1206030.400	1083323.500	121.876	2273.618	399350.190	229.689
x		5296.816	4577.296	93304.231	1202287.100	1080685.700	118.230	2254.866	403267.060	219.273
σ		174.962	101.547	347.262	3689.990	2288.106	24.424	70.653	3425.417	11.934
%RSD		3.303	2.218	0.372	0.307	0.212	20.658	3.133	0.849	5.443

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	00:52:33	2511.158	3142.533	1148.484	21790.043	1476.639	343038.530	4383.485	135.938	245.315
2	00:53:41	2381.449	3297.256	1107.855	21309.632	1367.253	343177.750	4183.425	121.876	278.128
3	00:54:49	2272.056	3223.801	1037.538	21425.430	1440.698	338222.590	4053.700	95.313	234.377
x		2388.221	3221.197	1097.959	21508.368	1428.197	341479.620	4206.870	117.709	252.606
σ		119.695	77.394	56.131	250.715	55.754	2821.530	166.138	20.631	22.769
%RSD		5.012	2.403	5.112	1.166	3.904	0.826	3.949	17.527	9.013

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	00:52:33	415.631	151.563	376.567	115.625	40.625	40.625	2377.281	110.938	97.396
2	00:53:41	392.193	195.314	331.254	102.084	37.500	37.500	2388.220	87.500	108.855
3	00:54:49	389.068	181.251	351.567	113.021	31.250	31.250	2342.380	113.021	97.917
x		398.964	176.043	353.129	110.243	36.458	36.458	2369.294	103.820	101.389
σ		14.518	22.335	22.697	7.186	4.774	4.774	23.942	14.171	6.470
%RSD		3.639	12.688	6.427	6.518	13.093	13.093	1.010	13.650	6.382

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	00:52:33	84.375	87.500	98.438	68.750	171.876	0.000	966855.180	542.198	42.188
2	00:53:41	93.750	90.625	103.125	67.188	125.001	3.125	971752.550	543.760	35.938
3	00:54:49	65.625	92.188	104.688	71.875	129.688	0.000	958183.540	490.633	50.000
x		81.250	90.104	102.084	69.271	142.188	1.042	965597.090	525.531	42.708
σ		14.321	2.387	3.253	2.387	25.817	1.804	6871.430	30.232	7.046
%RSD		17.625	2.649	3.186	3.446	18.157	173.205	0.712	5.753	16.497

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	00:52:33	3.125	3.125	51.563	25.000	354.692	392.193	18.750	53.125	1901823.300
2	00:53:41	6.250	6.250	48.438	28.125	362.505	415.631	14.063	53.125	1906221.300
3	00:54:49	3.125	3.125	25.000	15.625	335.941	351.567	9.375	26.563	1890068.300
x		4.167	4.167	41.667	22.917	351.046	386.464	14.063	44.271	1899370.900
σ		1.804	1.804	14.518	6.505	13.652	32.414	4.688	15.336	8351.055
%RSD		43.301	43.301	34.843	28.386	3.889	8.387	33.333	34.641	0.440

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	00:52:33	1930377.800	125.001	367.192	207.814	190.626	475.008	1468848.900	95.313
2	00:53:41	1923646.200	114.063	293.753	200.001	164.063	403.131	1475929.000	67.188
3	00:54:49	1913968.000	120.313	281.253	171.876	156.251	396.881	1460019.900	60.938
x		1922664.000	119.792	314.066	193.230	170.314	425.006	1468266.000	74.479
σ		8248.897	5.487	46.431	18.902	18.020	43.415	7970.553	18.311
%RSD		0.429	4.581	14.784	9.782	10.580	10.215	0.543	24.585

Reviewed By Patel
On 11/21/2011
12:38:57 PM
(Sl:1) :P6

PB59275BS LCS01 11/19/2011 12:59:18 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:00:26	41129.434	1061.498	868.776	1101.605	6935223.300	4519781.600	633832.420	781245.030	313520.170
2	01:01:34	41997.580	1026.599	985.972	1131.295	6920580.100	4557915.900	642358.690	788349.490	314591.780
3	01:02:42	42049.294	1034.933	893.778	1162.547	6974690.700	4575492.400	640841.200	784868.580	315206.680
x		41725.436	1041.010	916.175	1131.816	6943498.100	4551063.300	639010.770	784821.040	314439.540
σ		516.800	18.226	61.724	30.475	27988.273	28480.530	4548.313	3552.472	853.499
%RSD		1.239	1.751	6.737	2.693	0.403	0.626	0.712	0.453	0.271

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:00:26	19503.930	4592.926	92952.991	1212545.600	9420415.500	19855.977	330805.030	408473.070	10023.828
2	01:01:34	19707.334	4719.529	93593.087	1219257.400	9479370.300	20516.284	330904.160	407269.110	9942.521
3	01:02:42	19935.776	4713.277	92720.236	1213649.300	9533841.200	19956.116	333544.190	412241.530	10114.517
x		19715.680	4675.244	93088.771	1215150.800	9477875.700	20109.459	331751.130	409327.900	10026.955
σ		216.044	71.358	451.990	3598.984	56727.664	355.861	1553.629	2594.091	86.040
%RSD		1.096	1.526	0.486	0.296	0.599	1.770	0.468	0.634	0.858

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:00:26	148497.500	57113.942	7497.279	458770.360	46092.990	7726733.000	187169.720	35014.734	7956.903
2	01:01:34	150011.630	57259.837	7186.182	462071.100	46345.367	7730911.300	185809.950	35237.154	8286.778
3	01:02:42	149665.850	57284.937	7303.429	464015.430	46531.909	7774871.200	184933.060	35223.057	7947.523
x		149391.660	57219.572	7328.963	461618.960	46323.422	7744171.800	185970.910	35158.315	8063.734
σ		793.432	92.335	157.113	2651.607	220.281	26668.359	1126.984	124.545	193.218
%RSD		0.531	0.161	2.144	0.574	0.476	0.344	0.606	0.354	2.396

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:00:26	36430.768	18106.780	15341.045	738.040	1762.609	1762.609	7822.975	2322.585	109.375
2	01:01:34	37546.150	17933.124	15428.640	686.475	1659.471	1659.471	7912.086	2387.700	99.480
3	01:02:42	37333.093	17873.674	15276.914	697.934	1657.909	1657.909	8012.663	2381.449	104.167
x		37103.337	17971.193	15348.866	707.483	1693.330	1693.330	7915.908	2363.911	104.341
σ		592.124	121.126	76.164	27.076	60.003	60.003	94.902	35.926	4.950
%RSD		1.596	0.674	0.496	3.827	3.543	3.543	1.199	1.520	4.744

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:00:26	30253.877	52431.980	55700.566	32997.440	84700.353	1.563	981779.510	643.765	35147.872
2	01:01:34	29455.335	52488.437	56715.485	33258.983	86210.911	0.000	986651.720	637.514	35315.473
3	01:02:42	29558.673	51858.016	56759.409	32997.440	86052.146	0.000	990041.820	650.015	35143.173
x		29755.962	52259.478	56391.820	33084.621	85654.470	0.521	986157.680	643.765	35202.173
σ		434.291	348.820	599.046	151.002	830.094	0.902	4153.253	6.250	98.149
%RSD		1.460	0.667	1.062	0.456	0.969	173.205	0.421	0.971	0.279

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:00:26	154.688	154.688	33918.343	2270.493	103265.640	61684.450	55509.198	98297.965	1901091.000
2	01:01:34	154.688	154.688	34023.280	2182.979	103740.940	62618.186	57104.530	99232.518	1930994.000
3	01:02:42	159.376	159.376	34372.552	2015.767	105251.930	61334.510	56698.229	99322.200	1930215.800
x		156.251	156.251	34104.725	2156.413	104086.170	61879.049	56437.319	98950.894	1920766.900
σ		2.706	2.706	237.805	129.424	1037.173	663.594	829.052	567.229	17044.302
%RSD		1.732	1.732	0.697	6.002	0.996	1.072	1.469	0.573	0.887

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:00:26	1942199.600	8977.820	21924.624	30670.388	28481.489	67047.595	1469524.300	138540.400
2	01:01:34	1984730.900	9313.973	22170.315	30595.227	28843.151	68520.182	1482569.800	138521.470
3	01:02:42	1969792.600	9440.618	22308.029	30230.389	28869.767	67589.201	1491291.000	139210.940
x		1965574.400	9244.137	22134.323	30498.668	28731.469	67718.993	1481128.400	138757.600
σ		21577.163	239.172	194.220	235.356	216.898	744.824	10954.713	392.712
%RSD		1.098	2.587	0.877	0.772	0.755	1.100	0.740	0.283

Reviewed By: jsyrell
On: 11/21/2011
12:38:57 PM
Inst Id: P6

PBS9274BS LCS01 11/19/2011 01:07:12 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:08:20	41488.282	1045.351	845.338	1045.351	6941248.800	4551651.700	634981.820	782942.070	312126.070
2	01:09:28	41862.810	1084.937	934.406	1143.796	6920995.700	4526465.600	635928.830	781812.330	314879.260
3	01:10:36	41696.700	1076.603	934.406	1042.226	6905679.700	4534193.700	638667.340	783027.830	312793.560
x		41682.598	1068.964	904.716	1077.124	6922641.400	4537437.000	636525.990	782594.080	313266.300
σ		187.662	20.870	51.423	57.761	17841.594	12902.482	1913.955	678.366	1436.184
%RSD		0.450	1.952	5.684	5.362	0.258	0.284	0.301	0.087	0.458

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:08:20	20380.152	4530.406	92078.606	1212545.600	9428370.900	19751.144	328561.960	406171.320	9811.180
2	01:09:28	19284.883	4680.454	92228.002	1217664.100	9420427.500	19860.671	327220.760	406642.250	10089.499
3	01:10:36	19394.406	4708.588	92556.680	1220436.300	9397549.500	19549.304	330020.000	406536.170	9997.247
x		19686.480	4639.816	92287.763	1216882.000	9415449.300	19720.373	328600.910	406449.910	9965.976
σ		603.228	95.791	244.576	4003.064	16002.410	157.948	1400.024	247.030	141.770
%RSD		3.064	2.065	0.265	0.329	0.170	0.801	0.426	0.061	1.423

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:08:20	148124.910	57444.953	7226.828	458973.610	46477.044	7693427.300	184041.980	35030.397	7936.579
2	01:09:28	149498.480	57542.218	7231.517	459072.010	46694.940	7742801.500	184746.290	35511.269	7933.452
3	01:10:36	148489.610	57465.347	7219.011	458555.820	47080.578	7715031.000	186922.770	34952.080	8099.170
x		148704.330	57484.173	7225.785	458867.140	46750.854	7717086.600	185237.010	35164.582	7989.734
σ		711.517	51.293	6.318	274.068	305.627	24751.201	1501.781	302.783	94.788
%RSD		0.478	0.089	0.087	0.060	0.654	0.321	0.811	0.861	1.186

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:08:20	36723.704	18494.777	15245.631	694.809	1693.850	1693.850	7832.876	2386.658	118.230
2	01:09:28	36662.610	17995.702	15536.569	705.226	1721.979	1721.979	7961.072	2402.806	94.792
3	01:10:36	37378.524	18181.875	15278.478	711.476	1728.229	1728.229	7768.779	2427.289	95.834
x		36921.613	18224.118	15353.559	703.837	1714.686	1714.686	7854.242	2405.584	102.952
σ		396.874	252.205	159.340	8.420	18.313	18.313	97.911	20.458	13.241
%RSD		1.075	1.384	1.038	1.196	1.068	1.068	1.247	0.850	12.862

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:08:20	29788.838	51947.402	55869.975	32576.162	86064.721	4.688	971635.610	685.954	34558.938
2	01:09:28	29672.973	52162.245	56928.831	33202.602	86443.561	3.125	979175.190	685.954	35149.439
3	01:10:36	29607.211	52138.722	56193.114	33119.597	86473.428	1.563	976638.170	696.892	35436.083
x		29689.674	52082.790	56330.640	32966.121	86327.237	3.125	975816.320	689.600	35048.153
σ		91.958	117.838	542.659	340.254	227.835	1.563	3836.390	6.315	447.258
%RSD		0.310	0.226	0.963	1.032	0.264	50.000	0.393	0.916	1.276

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:08:20	153.126	153.126	34466.528	2045.459	103917.210	61414.540	55664.488	98604.756	1906121.700
2	01:09:28	164.063	164.063	33755.458	2159.538	103967.580	61857.069	56524.103	98329.431	1910901.600
3	01:10:36	181.251	181.251	34206.529	2147.036	104924.540	61707.988	56599.401	99772.195	1905444.300
x		166.147	166.147	34142.838	2117.345	104269.780	61659.866	56262.664	98902.127	1907489.200
σ		14.178	14.178	359.788	62.568	567.598	225.155	519.402	765.973	2974.531
%RSD		8.533	8.533	1.054	2.955	0.544	0.365	0.923	0.774	0.156

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:08:20	1940371.200	9398.403	21887.066	30130.178	28811.838	67488.727	1451135.700	137969.290
2	01:09:28	1950588.700	9110.717	21949.662	30321.207	28277.960	68570.423	1464869.800	138336.880
3	01:10:36	1919303.700	9317.100	22126.497	30341.562	28553.507	66787.004	1484374.900	138185.430
x		1936754.500	9275.406	21987.742	30264.316	28547.768	67615.384	1466793.500	138163.870
σ		15952.987	148.306	124.175	116.612	266.985	898.431	16702.873	184.742
%RSD		0.824	1.599	0.565	0.385	0.935	1.329	1.139	0.134

Reviewed By/Date
On 11/23/2011
12:38:57 PM
Inst Id: P6

PB59238BS LCS01 11/19/2011 01:15:06 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:16:14	41909.823	316.149	273.440	1039.100	2213202.800	1264775.600	176380.610	216228.820	126116.740
2	01:17:22	41303.373	319.274	295.316	1115.669	2242489.300	1286683.300	178770.990	221120.020	125970.150
3	01:18:30	41464.777	319.274	262.502	1096.917	2242271.600	1289763.700	179997.180	219100.200	126703.150
x		41559.324	318.233	277.086	1083.895	2232654.600	1280407.500	178382.930	218816.350	126263.350
σ		314.086	1.804	16.708	39.911	16846.041	13624.997	1839.248	2457.927	387.869
%RSD		0.756	0.567	6.030	3.682	0.755	1.064	1.031	1.123	0.307

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:16:14	9181.074	4500.709	92281.471	1204109.300	3296122.000	5354.128	86808.262	405608.800	2704.944
2	01:17:22	9546.939	4635.127	93011.180	1208837.800	3319048.300	5327.556	89260.806	402226.080	2772.144
3	01:18:30	9546.939	4349.099	91694.899	1206963.800	3327039.900	5340.060	89363.005	401112.610	2754.953
x		9424.984	4494.978	92329.184	1206637.000	3314070.100	5340.581	88477.358	402982.500	2744.014
σ		211.232	143.100	659.436	2381.149	16048.847	13.294	1446.382	2341.591	34.910
%RSD		2.241	3.184	0.714	0.197	0.484	0.249	1.635	0.581	1.272

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:16:14	39618.924	18256.971	2389.262	137335.100	13270.223	2348868.400	52008.562	9195.146	2323.626
2	01:17:22	39933.862	18285.132	2528.349	138519.890	13615.861	2354663.100	52822.477	9582.900	2442.396
3	01:18:30	40101.518	18130.247	2512.721	138459.940	13429.747	2392102.700	52805.226	9420.292	2395.513
x		39884.768	18224.117	2476.777	138104.980	13438.610	2365211.400	52545.422	9399.446	2387.179
σ		245.014	82.504	76.192	667.408	172.989	23468.102	465.014	194.716	59.822
%RSD		0.614	0.453	3.076	0.483	1.287	0.992	0.885	2.072	2.506

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:16:14	10608.625	5160.307	4497.583	1744.898	440.632	440.632	3788.523	679.704	107.813
2	01:17:22	10688.372	5496.370	4461.634	1735.001	479.696	479.696	3921.892	677.099	110.938
3	01:18:30	10869.759	5119.667	4535.095	1749.065	507.822	507.822	3866.148	686.996	104.688
x		10722.252	5258.781	4498.104	1742.988	476.050	476.050	3858.854	681.266	107.813
σ		133.823	206.759	35.733	7.224	33.743	33.743	66.983	5.130	3.125
%RSD		1.248	3.932	0.817	0.414	7.088	7.088	1.736	0.753	2.899

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:16:14	7786.497	13537.661	14934.365	8504.093	22547.467	6.250	982344.560	696.892	8677.635
2	01:17:22	7836.524	13928.662	15078.266	8798.021	22304.899	0.000	959695.790	737.519	9171.693
3	01:18:30	8014.748	13791.029	14660.644	8960.622	23279.890	0.000	975120.850	714.080	8929.352
x		7879.256	13752.451	14891.091	8754.245	22710.752	2.083	972387.070	716.164	8926.227
σ		119.976	198.334	212.147	231.391	507.591	3.608	11569.222	20.393	247.044
%RSD		1.523	1.442	1.425	2.643	2.235	173.205	1.190	2.848	2.768

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:16:14	160.938	160.938	8525.981	2161.101	27847.428	17326.125	14335.314	26000.201	1914791.600
2	01:17:22	142.188	142.188	8827.727	2168.915	27899.091	17410.603	14638.746	26242.832	1887747.200
3	01:18:30	168.751	168.751	8636.985	2192.356	27373.075	17276.065	14666.900	25820.188	1909697.600
x		157.293	157.293	8553.564	2174.124	27706.531	17337.598	14546.987	26021.074	1904078.800
σ		13.652	13.652	152.619	16.265	289.935	67.999	183.854	212.094	14371.109
%RSD		8.679	8.679	1.762	0.748	1.046	0.392	1.264	0.815	0.755

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:16:14	1929619.200	10172.370	24294.077	8393.090	7489.463	18435.325	1478704.600	35877.809
2	01:17:22	1916157.900	10525.751	25071.982	8374.329	7855.284	18203.778	1453735.900	36969.650
3	01:18:30	1946079.800	10053.536	24006.091	8314.919	7778.680	18328.938	1479975.000	36213.028
x		1930619.000	10250.553	24457.383	8360.779	7707.809	18322.681	1470805.200	36353.495
σ		14985.983	245.624	551.392	40.809	192.933	115.900	14795.079	559.310
%RSD		0.776	2.396	2.254	0.488	2.503	0.633	1.006	1.539

Reviewed By:aswa
On: 1/27/2011
2:38:57 PM
Inst Id: P6

C4481-01 MB9TA1 11/19/2011 01:23:00 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:24:09	42135.485	76.042	300.003	2139.223	1644640.500	128973.330	17826.741	21464.551	79261.462
2	01:25:17	41820.499	75.000	284.378	2295.497	1634741.600	128585.480	17546.707	21725.883	78496.318
3	01:26:25	41880.048	49.479	281.253	2206.420	1641959.200	125196.200	17354.285	21159.409	78400.481
x̄		41945.344	66.840	288.545	2213.713	1640447.100	127585.000	17575.911	21449.947	78719.420
σ		167.337	15.044	10.046	78.392	5119.751	2077.833	237.578	283.519	471.862
%RSD		0.399	22.508	3.481	3.541	0.312	1.629	1.352	1.322	0.599
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
1	01:24:09	23463.002	5352.565	94297.698	19071371.000	1366376.100	4044.322	70649.265	394260.140	407.818
2	01:25:17	23585.078	5252.528	95302.772	18928510.000	1338877.600	3988.057	68363.183	389826.870	404.693
3	01:26:25	23124.952	5218.140	93593.087	18715205.000	1315985.300	3992.745	68072.738	388081.870	414.068
x̄		23391.011	5274.411	94397.853	18905029.000	1340413.000	4008.375	69028.396	390722.960	408.860
σ		238.361	69.833	859.232	179240.190	25230.470	31.220	1411.206	3185.115	4.774
%RSD		1.019	1.324	0.910	0.948	1.882	0.779	2.044	0.815	1.168
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
1	01:24:09	1098753.400	13486.050	368884.760	53253.762	56163.310	811887.890	14033.452	245.315	1464.138
2	01:25:17	1264779.000	14050.656	424367.060	53758.773	55799.388	791487.970	13653.396	245.315	1462.575
3	01:26:25	1335872.700	14590.259	450500.830	53727.405	54624.548	778636.360	13442.259	251.565	1429.759
x̄		1233135.000	14042.322	414584.220	53579.980	55529.082	794004.070	13709.702	247.398	1452.157
σ		121685.660	552.152	41678.216	282.948	804.205	16767.953	299.592	3.609	19.413
%RSD		9.868	3.932	10.053	0.528	1.448	2.112	2.185	1.459	1.337
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
1	01:24:09	4778.924	2393.951	10736.846	25756.531	8608.843	8608.843	2168.915	94.271	104.167
2	01:25:17	4680.454	2220.485	10427.242	28985.104	9728.311	9728.311	2216.318	100.521	101.563
3	01:26:25	4355.351	2184.542	10668.044	29918.275	9598.536	9598.536	2104.843	108.855	95.313
x̄		4604.910	2266.326	10610.711	28219.970	9311.897	9311.897	2163.358	101.216	100.348
σ		221.661	111.978	162.570	2183.827	612.310	612.310	55.945	7.316	4.550
%RSD		4.814	4.941	1.532	7.739	6.576	6.576	2.586	7.229	4.535
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
1	01:24:09	226.564	142.188	162.501	90.625	170.314	3.125	910853.250	417.194	373.442
2	01:25:17	240.627	107.813	189.064	107.813	189.064	7.813	909409.220	396.881	235.939
3	01:26:25	240.627	106.250	178.126	70.313	210.939	3.125	911997.930	445.319	248.440
x̄		235.939	118.751	176.564	89.584	190.105	4.688	910753.470	419.798	285.940
σ		8.119	20.313	13.350	18.772	20.333	2.706	1297.237	24.324	76.036
%RSD		3.441	17.105	7.561	20.955	10.696	57.735	0.142	5.794	26.592
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
1	01:24:09	7.813	7.813	307.816	132.813	3240.993	903.154	1264.118	2387.700	1792677.600
2	01:25:17	9.375	9.375	214.064	126.563	2865.912	826.586	1317.248	2292.371	1772936.100
3	01:26:25	10.938	10.938	210.939	137.501	2584.609	734.394	1232.866	2128.284	1791350.600
x̄		9.375	9.375	244.273	132.292	2897.171	821.378	1271.411	2269.452	1785654.800
σ		1.563	1.563	55.052	5.487	329.306	84.500	42.661	131.218	11034.646
%RSD		16.667	16.667	22.537	4.148	11.366	10.288	3.355	5.782	0.618
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
1	01:24:09	1825577.700	700.017	1631.343	23591.338	22356.542	52024.244	1375960.400	265.627	
2	01:25:17	1826120.700	553.136	1193.800	23283.021	22218.828	52055.608	1370113.000	278.128	
3	01:26:25	1817297.800	459.382	946.906	23242.329	21974.701	51760.789	1389713.400	298.441	
x̄		1822998.700	570.845	1257.350	23372.229	22183.357	51946.880	1378595.600	280.732	
σ		4944.582	121.291	346.616	190.841	193.376	161.921	10062.405	16.561	
%RSD		0.271	21.248	27.567	0.817	0.872	0.312	0.730	5.899	

C4482-02 MB9TD0 11/19/2011 01:30:56 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:32:04	35926.368	71.354	5577.651	2248.615	70775069.000	26851373.000	3822818.500	4667565.200	158638.450
2	01:33:13	36960.250	67.188	5840.256	2440.834	72894535.000	27656359.000	3969964.100	4777432.400	161590.010
3	01:34:21	37235.965	76.563	5715.206	2448.647	74934819.000	28490987.000	4075289.600	4932658.900	166342.530
x		36707.528	71.702	5711.038	2379.365	72868141.000	27666239.000	3956024.100	4792552.100	162190.330
σ		690.408	4.697	131.352	113.301	2080001.000	819851.500	126811.510	133192.050	3886.963
%RSD		1.881	6.551	2.300	4.762	2.854	2.963	3.206	2.779	2.397

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:32:04	5342897.300	13753.492	312269.790	1258855.700	21712311.000	159655.940	2741021.500	357489.560	776.584
2	01:33:13	5547934.700	13867.665	320628.470	1269504.600	22324738.000	161855.490	2810762.100	367119.850	770.333
3	01:34:21	5674424.400	14496.414	326630.930	1268768.300	22933380.000	165860.410	2881913.500	371664.820	795.335
x		5521752.100	14039.190	319843.060	1265709.600	22323477.000	162457.280	2811232.400	365424.740	780.751
σ		167307.220	400.061	7212.715	5947.017	610535.470	3145.704	70447.218	7238.063	13.011
%RSD		3.030	2.850	2.255	0.470	2.735	1.936	2.506	1.981	1.666

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:32:04	102389.050	10395.969	34043.641	595598.210	2613185.300	10050787.000	245709.100	52411.593	19571.209
2	01:33:13	84962.842	10322.478	28403.208	615208.240	2686351.800	10315177.000	251694.770	52955.782	19999.928
3	01:34:21	72293.398	10352.187	24589.895	630184.030	2768977.200	10478575.000	255422.570	54532.008	20772.905
x		86548.430	10356.878	29012.248	613663.490	2689504.700	10281513.000	250942.150	53299.794	20114.681
σ		15110.349	36.969	4756.209	17344.582	77943.783	215872.110	4900.275	1101.271	609.011
%RSD		17.459	0.357	16.394	2.826	2.898	2.100	1.953	2.066	3.028

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:32:04	8333.680	4041.197	79041.499	4106.319	854.713	854.713	2039.208	135.938	81.250
2	01:33:13	8380.583	3986.494	80372.331	3761.433	800.022	800.022	2097.550	138.022	108.855
3	01:34:21	8561.940	4089.648	81610.571	3555.651	648.452	648.452	2101.717	130.730	103.646
x		8425.401	4039.113	80341.467	3807.801	767.729	767.729	2079.492	134.896	97.917
σ		120.549	51.609	1284.814	278.247	106.855	106.855	34.949	3.756	14.667
%RSD		1.431	1.278	1.599	7.307	13.918	13.918	1.681	2.784	14.979

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:32:04	995.347	317.191	540.635	203.126	564.074	4.688	865049.320	460.945	64.063
2	01:33:13	1067.227	314.066	507.822	217.189	559.386	1.563	881258.920	410.943	81.250
3	01:34:21	1062.540	387.505	576.574	209.377	567.199	3.125	885207.820	492.196	76.563
x		1041.705	339.587	541.677	209.897	563.553	3.125	877172.020	454.695	73.959
σ		40.215	41.527	34.388	7.046	3.932	1.563	10682.624	40.985	8.885
%RSD		3.861	12.229	6.348	3.357	0.698	50.000	1.218	9.014	12.013

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:32:04	12.500	12.500	54.688	142.188	1034.412	2956.556	111021.920	196444.570	1797310.700
2	01:33:13	29.688	29.688	62.500	164.063	1140.670	2795.586	112037.620	198603.800	1849280.600
3	01:34:21	20.313	20.313	57.813	162.501	1100.042	3017.506	114667.740	203829.770	1850265.500
x		20.833	20.833	58.333	156.251	1091.708	2923.216	112575.760	199626.050	1832285.600
σ		8.606	8.606	3.932	12.204	53.617	114.655	1881.540	3797.239	30293.143
%RSD		41.307	41.307	6.741	7.810	4.911	3.922	1.671	1.902	1.653

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:32:04	1848017.700	226.564	553.136	12177.063	10894.778	26173.956	1421878.200	1043.788
2	01:33:13	1882058.600	178.126	551.573	12216.158	10936.998	26433.809	1442884.400	962.532
3	01:34:21	1899884.200	207.814	525.010	12405.384	11004.237	26449.462	1449993.600	1117.231
x		1876653.500	204.168	543.240	12266.202	10945.337	26352.409	1438252.100	1041.184
σ		26352.309	24.424	15.807	122.110	55.204	154.743	14618.959	77.382
%RSD		1.404	11.963	2.910	0.996	0.504	0.587	1.016	7.432

Reviewed By: [illegible]
Date: 11/21/2011
12:38:57 PM
Inst Id: P6

C4482-03 MB9TC2 11/19/2011 01:38:53 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:40:01	38321.643	59.896	2709.632	2398.639	94854961.000	23668735.000	3407562.500	4152546.200	138022.930
2	01:41:09	38738.390	67.188	2787.772	2318.938	94882259.000	23630300.000	3385107.500	4126178.500	137693.210
3	01:42:18	38904.465	77.604	2615.865	2336.128	94874808.000	23835233.000	3404037.500	4132902.600	137691.630
x		38654.832	68.229	2704.423	2351.235	94870676.000	23711422.000	3398902.500	4137209.100	137802.590
σ		300.261	8.900	86.072	41.943	14110.246	108931.250	12076.143	13701.222	190.822
%RSD		0.777	13.044	3.183	1.784	0.015	0.459	0.355	0.331	0.138
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:40:01	2909170.600	21362.836	258505.400	1304865.800	16361833.000	295563.720	5120108.500	384703.250	781.271
2	01:41:09	2915017.700	21555.312	257331.370	1298412.600	16355974.000	296839.770	5106953.500	384470.550	798.460
3	01:42:18	2902204.300	21541.229	258674.040	1291733.400	16326913.000	298798.730	5105580.800	383879.980	815.648
x		2908797.500	21486.459	258170.270	1298337.300	16348240.000	297067.410	5110880.900	384351.260	798.460
σ		6414.849	107.292	731.389	6566.537	18700.624	1629.475	8020.733	424.400	17.188
%RSD		0.221	0.499	0.283	0.506	0.114	0.549	0.157	0.110	2.153
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:40:01	50198.981	11800.184	15341.045	167365.310	677288.080	2862185.400	72258.848	2243.926	5979.376
2	01:41:09	47017.872	12200.520	14452.620	168011.890	678214.910	2853183.800	72846.195	2320.501	5866.829
3	01:42:18	44887.598	11704.793	13689.368	167211.960	681968.680	2856354.500	72494.412	2215.797	6037.213
x		47368.150	11901.832	14494.344	167529.720	679157.220	2857241.200	72533.152	2260.075	5961.140
σ		2672.960	263.032	826.629	424.553	2478.501	4565.819	295.583	54.188	86.643
%RSD		5.643	2.210	5.703	0.253	0.365	0.160	0.408	2.398	1.453
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:40:01	18627.762	9041.923	24516.331	2635.660	465.633	465.633	2362.695	166.147	110.938
2	01:41:09	18601.165	8990.328	24425.551	2540.330	439.069	439.069	2377.802	180.209	104.167
3	01:42:18	18587.084	9002.836	24829.371	2502.823	400.006	400.006	2279.349	177.084	98.959
x		18605.337	9011.696	24590.418	2559.604	434.902	434.902	2339.949	174.480	104.688
σ		20.657	26.914	211.859	68.484	33.011	33.011	53.022	7.384	6.007
%RSD		0.111	0.299	0.862	2.676	7.591	7.591	2.266	4.232	5.738
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:40:01	2028.269	2036.083	2379.886	1231.303	3495.740	4.688	914242.630	435.944	96.875
2	01:41:09	2053.273	2079.839	2534.600	1329.749	3320.698	6.250	917604.480	456.257	78.125
3	01:42:18	2159.538	2061.086	2411.141	1310.998	3403.530	3.125	911398.960	450.007	95.313
x		2080.360	2059.003	2441.876	1290.683	3406.656	4.688	914415.360	447.403	90.104
σ		69.701	21.952	81.808	52.273	87.563	1.563	3106.364	10.404	10.404
%RSD		3.350	1.066	3.350	4.050	2.570	33.333	0.340	2.325	11.546
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:40:01	15.625	15.625	90.625	78.125	1303.184	2954.993	68236.015	121051.330	1871278.500
2	01:41:09	17.188	17.188	92.188	71.875	1293.809	2844.033	68476.222	121248.300	1869809.800
3	01:42:18	7.813	7.813	82.813	85.938	1251.617	2773.707	68009.940	121357.030	1859814.700
x		13.542	13.542	88.542	78.646	1282.870	2857.578	68240.726	121218.890	1866967.700
σ		5.023	5.023	5.023	7.046	27.469	91.399	233.177	154.959	6238.012
%RSD		37.091	37.091	5.673	8.959	2.141	3.198	0.342	0.128	0.334
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	01:40:01	1905600.800	189.064	521.885	19020.466	16645.630	40660.909	1431160.300	8341.497	
2	01:41:09	1914174.300	170.314	437.507	18981.352	17419.989	41519.623	1439898.200	8153.889	
3	01:42:18	1909622.900	175.001	400.006	18670.004	17135.270	40588.829	1440449.900	8244.566	
x		1909799.300	178.126	453.132	18890.608	17066.963	40923.120	1437169.500	8246.651	
σ		4289.498	9.758	62.424	192.046	391.673	517.842	5211.400	93.822	
%RSD		0.225	5.478	13.776	1.017	2.295	1.265	0.363	1.138	

Reviewed By Jaswal
12:38:57 PM

C4482-03LX5 MB9TC2L 11/19/2011 01:46:49 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:47:57	39791.278	64.583	553.136	1292.246	19866189.000	4854508.900	685285.970	837779.890	73158.724
2	01:49:05	39524.915	58.333	578.137	1371.941	20056175.000	4898638.400	687291.450	841960.560	73607.897
3	01:50:13	39736.438	58.854	610.951	1340.688	19974005.000	4908465.300	692112.930	845781.330	74919.376
x		39684.210	60.590	580.741	1334.958	19965456.000	4887204.200	688230.120	841840.590	73895.332
σ		140.652	3.468	28.995	40.155	95280.938	28738.074	3508.945	4002.066	914.843
%RSD		0.354	5.724	4.993	3.008	0.477	0.588	0.510	0.475	1.238
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
1	01:47:57	607849.960	7825.580	124371.860	1182719.000	4195355.900	61375.310	1018212.800	391822.550	379.693
2	01:49:05	613225.670	7942.833	124983.410	1182658.000	4244571.400	61857.069	1011603.100	389346.850	332.816
3	01:50:13	618365.260	7956.903	125780.990	1182780.000	4265291.800	61331.372	1025454.300	388505.660	346.879
x		613146.970	7908.439	125045.420	1182719.000	4235073.000	61521.250	1018423.400	389891.690	353.129
σ		5258.089	72.101	706.610	61.003	35922.418	291.656	6928.004	1724.261	24.055
%RSD		0.858	0.912	0.565	0.005	0.848	0.474	0.680	0.442	6.812
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
1	01:47:57	29196.993	5568.273	9656.388	50951.638	142308.420	862007.850	18031.685	562.511	1612.591
2	01:49:05	27470.136	5693.322	9212.344	51034.747	141276.380	864621.420	18715.376	579.699	1623.530
3	01:50:13	26280.401	5537.010	8844.925	51660.427	142898.640	872511.350	18634.020	562.511	1651.658
x		27649.177	5599.535	9237.886	51215.604	142161.150	866380.210	18460.361	568.240	1629.260
σ		1466.516	82.712	406.334	387.463	821.099	5468.169	373.466	9.924	20.154
%RSD		5.304	1.477	4.399	0.757	0.578	0.631	2.023	1.746	1.237
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
1	01:47:57	4403.804	2017.330	5640.176	1188.591	256.252	256.252	2246.010	115.625	99.480
2	01:49:05	4425.685	1992.326	5668.312	1070.873	279.690	279.690	2327.794	115.105	104.167
3	01:50:13	4197.492	2123.595	5760.536	1070.353	298.441	298.441	2353.840	90.104	79.688
x		4342.327	2044.417	5689.675	1109.939	278.128	278.128	2309.215	106.945	94.445
σ		125.907	69.701	62.960	68.115	21.138	21.138	56.265	14.587	12.993
%RSD		2.900	3.409	1.107	6.137	7.600	7.600	2.437	13.639	13.757
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
1	01:47:57	512.509	435.944	521.885	307.816	831.274	0.000	934025.340	503.134	50.000
2	01:49:05	489.071	507.822	575.012	307.816	812.523	0.000	943713.220	451.570	78.125
3	01:50:13	529.697	498.446	567.199	309.378	817.211	3.125	949527.010	484.383	101.563
x		510.426	480.737	554.698	308.337	820.336	1.042	942421.860	479.696	76.563
σ		20.393	39.074	28.685	0.902	9.758	1.804	7831.100	26.100	25.817
%RSD		3.995	8.128	5.171	0.293	1.190	173.205	0.831	5.441	33.720
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
1	01:47:57	3.125	3.125	75.000	35.938	514.072	690.642	14030.324	24923.285	1897735.700
2	01:49:05	9.375	9.375	60.938	34.375	459.382	750.020	13939.610	25230.072	1877967.500
3	01:50:13	10.938	10.938	90.625	25.000	485.946	703.142	14207.061	24913.893	1893715.000
x		7.813	7.813	75.521	31.771	486.467	714.601	14058.998	25022.417	1889806.100
σ		4.134	4.134	14.851	5.916	27.348	31.304	136.012	179.896	10447.771
%RSD		52.915	52.915	19.664	18.619	5.622	4.381	0.967	0.719	0.553
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
1	01:47:57	1950929.300	168.751	362.505	4235.003	3534.812	8672.944	1474574.300	1734.480	
2	01:49:05	1922008.700	165.626	371.880	4059.952	3681.724	8888.702	1472889.600	1701.664	
3	01:50:13	1933546.100	160.938	390.630	4322.529	3714.545	9098.209	1483396.300	1817.303	
x		1935494.700	165.105	375.005	4205.828	3643.694	8886.618	1476953.400	1751.149	
σ		14558.394	3.932	14.321	133.698	95.712	212.640	5642.930	59.594	
%RSD		0.752	2.382	3.819	3.179	2.627	2.393	0.382	3.403	

Reviewed By:aswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

CCV59 11/19/2011 01:54:44 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	01:55:52	38103.874	59744.983	10588.297	1392.255	77308682.000	56955474.000	8075104.500	9892180.200	14971757.000
2	01:57:00	37933.108	59304.089	10596.116	1315.686	76096956.000	55695180.000	8000009.000	9776690.800	14754753.000
3	01:58:08	37926.841	59306.181	10516.369	1500.079	75940670.000	55619471.000	7980164.300	9766481.000	14884914.000
x		37987.941	59451.751	10566.928	1402.673	76448769.000	56090042.000	8018425.900	9811784.000	14870475.000
σ		100.450	253.948	43.959	92.637	748794.930	750441.790	50077.914	69812.013	109220.440
%RSD		0.264	0.427	0.416	6.604	0.979	1.338	0.625	0.712	0.734

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	01:55:52	173588.910	879175.300	174107.670	1110551.300	50902492.000	236521.600	4113400.600	374171.170	121331.820
2	01:57:00	168841.900	869737.120	173475.040	1099314.500	50826373.000	233830.970	4060793.200	369498.770	120517.160
3	01:58:08	169746.280	870792.330	173449.740	1093010.400	50498282.000	236597.850	4073389.000	369673.510	121199.450
x		170725.700	873234.910	173677.480	1100958.700	50742382.000	235650.140	4082527.600	371114.490	121016.140
σ		2520.512	5171.511	372.767	8885.302	214796.020	1575.907	27468.500	2648.612	437.175
%RSD		1.476	0.592	0.215	0.807	0.423	0.669	0.673	0.714	0.361

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	01:55:52	1815588.700	1683179.200	204401.920	6522913.100	5202825.500	110179900.000	2721507.100	2062633.000	443908.590
2	01:57:00	1801678.600	1668845.700	201077.110	6463459.400	5187228.600	109095660.000	2698128.000	2050737.500	442414.870
3	01:58:08	1800098.300	1668301.300	202053.230	6486698.800	5178341.400	109270400.000	2692136.900	2055191.200	441544.820
x		1805788.500	1673442.100	202510.750	6491023.800	5189465.200	109515320.000	2703924.000	2056187.200	442622.760
σ		8523.863	8436.979	1708.973	29961.853	12394.334	582139.740	15519.278	6009.974	1195.521
%RSD		0.472	0.504	0.844	0.462	0.239	0.532	0.574	0.292	0.270

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	01:55:52	2219449.800	1085119.700	865498.790	378208.230	20984.150	20984.150	69489.954	28081.740	91.667
2	01:57:00	2189221.500	1081344.200	858230.950	377034.580	20611.734	20611.734	68830.523	28017.030	98.959
3	01:58:08	2187488.400	1074820.600	870357.620	376698.820	20575.744	20575.744	69124.123	27802.549	101.563
x		2198719.900	1080428.100	864695.790	377313.880	20723.876	20723.876	69148.200	27967.106	97.396
σ		17973.526	5210.283	6103.086	792.520	226.121	226.121	330.374	146.138	5.130
%RSD		0.817	0.482	0.706	0.210	1.091	1.091	0.478	0.523	5.267

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	01:55:52	368269.180	647305.910	701826.290	407216.060	1074383.200	4.688	894780.580	42994.288	1998111.600
2	01:57:00	369155.690	641213.620	697286.900	407286.790	1059711.400	10.938	889805.690	42814.061	1984432.500
3	01:58:08	370584.160	648000.420	698021.500	405610.400	1063249.400	4.688	884433.900	42596.223	1995003.200
x		369336.350	645506.650	699044.900	406704.420	1065781.300	6.771	889673.390	42801.524	1992515.800
σ		1168.012	3734.056	2436.596	948.104	7656.589	3.608	5174.605	199.328	7170.770
%RSD		0.316	0.578	0.349	0.233	0.718	53.294	0.582	0.466	0.360

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	01:55:52	32190.916	32190.916	1940936.100	483251.740	1308664.300	2004589.800	1760695.700	3072158.600	1850786.300
2	01:57:00	31254.465	31254.465	1945677.000	483219.430	1292737.100	1994255.700	1734769.400	3059429.500	1833343.600
3	01:58:08	31863.621	31863.621	1940002.400	480846.010	1300853.200	2018195.600	1741296.500	3072512.200	1856714.900
x		31769.667	31769.667	1942205.100	482439.060	1300751.500	2005680.400	1745587.200	3068033.400	1846948.300
σ		475.243	475.243	3042.714	1379.715	7964.047	12007.174	13485.207	7453.278	12149.134
%RSD		1.496	1.496	0.157	0.286	0.612	0.599	0.773	0.243	0.658

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	01:55:52	1902520.000	2408333.800	5774706.300	1884920.400	1783964.100	4229800.900	1418161.100	8762910.500
2	01:57:00	1878063.300	2418782.600	5775349.700	1895354.800	1761234.600	4218636.000	1410301.200	8879818.900
3	01:58:08	1884062.800	2410790.100	5775798.200	1912966.500	1785332.800	4245322.700	1422248.400	8868410.900
x		1888215.400	2412635.500	5775284.700	1897747.200	1776843.800	4231253.200	1416903.600	8837046.700
σ		12746.215	5463.368	548.797	14175.322	13535.345	13402.491	6072.038	64456.770
%RSD		0.675	0.226	0.010	0.747	0.762	0.317	0.429	0.729

CCB59 11/19/2011 02:02:37 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:03:45	38464.213	63.021	187.501	975.033	509710.350	18202.214	2464.275	2944.053	55971.936
2	02:04:53	38486.147	64.583	135.938	1059.414	514692.080	19907.611	2656.497	3178.479	56663.717
3	02:06:01	38329.476	70.834	134.376	995.347	509572.750	17499.774	2504.907	2837.782	56580.576
x		38426.612	66.146	152.605	1009.932	511325.060	18536.533	2541.893	2986.771	56405.410
σ		84.834	4.134	30.231	44.041	2916.738	1238.243	101.308	174.319	377.694
%RSD		0.221	6.250	19.810	4.361	0.570	6.680	3.986	5.836	0.670
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:03:45	5285.353	4416.307	88908.620	1111357.400	1013765.800	164.063	3255.058	372830.550	209.377
2	02:04:53	5532.321	4469.449	88952.643	1107742.100	1016848.800	185.939	3433.225	375678.720	220.314
3	02:06:01	5213.451	4431.937	88653.920	1121270.100	1018662.000	157.813	3101.899	375077.290	226.564
x		5343.708	4439.231	88838.394	1113456.500	1016425.500	169.272	3263.394	374528.850	218.752
σ		167.253	27.311	161.269	7004.012	2475.377	14.768	165.820	1501.203	8.700
%RSD		3.130	0.615	0.182	0.629	0.244	8.725	5.081	0.401	3.977
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:03:45	9335.862	3289.441	3414.470	20757.257	2414.267	319232.090	4580.422	482.821	296.878
2	02:04:53	9554.757	3317.573	3397.279	21046.742	2506.470	323467.980	4535.095	571.886	379.693
3	02:06:01	9209.217	3339.453	3215.987	20697.796	2339.254	324820.020	4630.438	453.132	332.816
x		9366.612	3315.489	3342.579	20833.932	2419.997	322506.700	4581.985	502.613	336.462
σ		174.810	25.071	109.968	186.682	83.755	2915.352	47.691	61.802	41.527
%RSD		1.866	0.756	3.290	0.896	3.461	0.904	1.041	12.296	12.342
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:03:45	829.712	354.692	526.572	398.443	96.875	96.875	2243.405	101.042	100.000
2	02:04:53	896.903	389.068	556.261	389.589	90.625	90.625	2182.458	115.625	90.625
3	02:06:01	818.773	401.568	492.196	361.463	104.688	104.688	2191.835	108.855	115.105
x		848.463	381.776	525.010	383.165	97.396	97.396	2205.900	108.507	101.910
σ		42.306	24.274	32.061	19.309	7.046	7.046	32.818	7.298	12.351
%RSD		4.986	6.358	6.107	5.039	7.234	7.234	1.488	6.726	12.119
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:03:45	287.503	434.382	453.132	323.441	828.149	1.563	911447.210	445.319	535.948
2	02:04:53	284.378	437.507	459.382	264.065	656.265	1.563	915662.170	515.634	542.198
3	02:06:01	189.064	318.754	340.629	195.314	529.697	6.250	921176.880	500.009	407.818
x		253.648	396.881	417.715	260.940	671.370	3.125	916095.420	486.988	495.321
σ		55.954	67.678	66.831	64.121	149.798	2.706	4879.280	36.922	75.844
%RSD		22.060	17.052	15.999	24.573	22.312	86.603	0.533	7.582	15.312
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:03:45	9.375	9.375	493.759	115.625	1639.157	3737.989	335.941	629.701	1845997.000
2	02:04:53	12.500	12.500	504.696	126.563	1389.130	2934.676	365.630	659.390	1849810.200
3	02:06:01	1.563	1.563	345.317	93.750	1064.102	2428.331	318.754	560.949	1850044.100
x		7.813	7.813	447.924	111.980	1364.130	3033.666	340.108	616.680	1848617.100
σ		5.634	5.634	89.029	16.707	288.341	660.416	23.714	50.496	2272.111
%RSD		72.111	72.111	19.876	14.920	21.137	21.770	6.973	8.188	0.123
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	02:03:45	1882713.600	939.093	2206.420	526.572	523.447	1253.180	1442799.900	1778.236	
2	02:04:53	1887035.100	829.712	2026.706	662.515	556.261	1442.260	1443743.100	1998.577	
3	02:06:01	1903718.100	653.140	1561.023	537.510	434.382	1103.168	1447276.800	1667.285	
x		1891155.600	807.315	1931.383	575.533	504.697	1266.203	1444606.600	1814.699	
σ		11091.957	144.286	333.091	75.528	63.066	169.921	2360.072	168.629	
%RSD		0.587	17.872	17.246	13.123	12.496	13.420	0.163	9.292	

C4482-04 MB9TC2D 11/19/2011 02:10:30 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:11:39	38652.219	66.146	2406.453	2022.018	94057836.000	23502464.000	3388063.500	4104589.600	137704.250
2	02:12:47	39213.120	54.167	2462.712	1989.201	95668104.000	23841841.000	3411277.100	4173640.400	139763.170
3	02:13:55	39791.278	60.938	2398.639	2087.653	95385718.000	23956158.000	3425800.900	4153153.400	139646.410
x		39218.872	60.417	2422.601	2032.957	95037219.000	23766821.000	3408380.500	4143794.500	139037.940
σ		569.551	6.007	34.956	50.129	859842.810	235967.230	19034.700	35463.978	1156.483
%RSD		1.452	9.942	1.443	2.466	0.905	0.993	0.558	0.856	0.832

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:11:39	2898755.400	21309.632	257719.520	1239696.600	16505212.000	300982.930	5165763.400	386423.760	815.648
2	02:12:47	2953435.100	21337.799	259335.880	1241887.700	16719540.000	301969.050	5206575.700	388508.870	768.771
3	02:13:55	2962137.300	21622.601	260498.940	1256433.900	16741502.000	302854.690	5195886.500	387839.490	834.399
x		2938109.300	21423.344	259184.780	1246006.100	16655418.000	301935.560	5189408.500	387590.710	806.273
σ		34358.063	173.136	1395.858	9097.011	130544.700	936.325	21163.270	1064.585	33.804
%RSD		1.169	0.808	0.539	0.730	0.784	0.310	0.408	0.275	4.193

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:11:39	20500.637	8522.854	5351.002	162825.800	683819.720	2775703.300	72139.498	2333.003	5141.550
2	02:12:47	20965.373	9043.487	5440.098	166848.370	690449.330	2784261.500	71567.883	2276.744	5510.438
3	02:13:55	20945.031	8737.046	5416.652	165422.560	686634.390	2786787.300	72265.130	2311.124	5347.876
x		20803.680	8767.796	5402.584	165032.240	686967.810	2782250.700	71990.837	2306.957	5333.288
σ		262.640	261.675	46.184	2039.497	3327.358	5809.153	371.636	28.360	184.876
%RSD		1.262	2.984	0.855	1.236	0.484	0.209	0.516	1.229	3.466

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:11:39	16529.870	8042.888	17829.870	1806.364	185.939	185.939	2337.691	156.772	108.334
2	02:12:47	16963.190	8103.860	17721.923	1815.740	157.813	157.813	2359.049	156.772	98.959
3	02:13:55	16770.776	8033.508	18156.844	1863.142	164.063	164.063	2359.570	175.001	94.271
x		16754.612	8060.086	17902.879	1828.416	169.272	169.272	2352.103	162.848	100.521
σ		217.112	38.199	226.466	30.437	14.768	14.768	12.484	10.525	7.160
%RSD		1.296	0.474	1.265	1.665	8.725	8.725	0.531	6.463	7.123

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:11:39	2353.319	2311.124	2551.790	1445.386	3773.936	4.688	914525.530	495.321	143.751
2	02:12:47	2273.618	2279.869	2689.316	1473.514	3741.115	1.563	917469.660	479.696	137.501
3	02:13:55	2256.428	2256.428	2704.944	1615.716	3820.823	9.375	920331.140	570.324	135.938
x		2294.455	2282.474	2648.683	1511.539	3778.625	5.208	917442.110	515.114	139.063
σ		51.697	27.441	84.275	91.310	40.061	3.932	2902.907	48.448	4.134
%RSD		2.253	1.202	3.182	6.041	1.060	75.498	0.316	9.405	2.973

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:11:39	26.563	26.563	114.063	87.500	1225.053	3895.844	69536.011	122614.580	1880743.300
2	02:12:47	18.750	18.750	103.125	57.813	1256.305	3867.711	69386.850	123304.860	1882900.000
3	02:13:55	18.750	18.750	103.125	106.250	1164.110	3570.759	69631.788	123527.080	1890745.000
x		21.354	21.354	106.771	83.854	1215.156	3778.104	69518.216	123148.840	1884796.100
σ		4.511	4.511	6.315	24.424	46.888	180.117	123.434	475.836	5263.551
%RSD		21.123	21.123	5.914	29.126	3.859	4.767	0.178	0.386	0.279

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:11:39	1907713.000	437.507	1023.474	15050.111	13043.452	31548.861	1446650.700	8268.017
2	02:12:47	1931378.700	404.693	857.838	14863.979	13007.482	32131.407	1435314.900	8436.866
3	02:13:55	1937775.200	464.070	895.341	15109.549	13118.521	32317.764	1462443.800	8474.388
x		1925622.300	435.423	925.551	15007.880	13056.485	31999.344	1448136.500	8393.090
σ		15836.173	29.743	86.852	128.116	56.655	401.103	13625.340	109.929
%RSD		0.822	6.831	9.384	0.854	0.434	1.253	0.941	1.310

C4482-05 MB9TC2S 11/19/2011 02:18:24 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:19:32	37195.234	20727.526	2408.015	2075.151	96866602.000	24278863.000	3467743.700	4231132.100	10293585.000
2	02:20:40	37209.333	20521.500	2275.181	2111.093	96314058.000	24022966.000	3445868.700	4177598.300	10184185.000
3	02:21:48	37145.104	20832.888	2365.821	2292.371	96844627.000	24209386.000	3478039.800	4211196.100	10326140.000
x		37183.224	20693.971	2349.673	2159.539	96675096.000	24170405.000	3463884.100	4206642.100	10267970.000
σ		33.757	158.383	67.874	116.432	312860.760	132327.090	16429.126	27055.840	74363.262
%RSD		0.091	0.765	2.889	5.392	0.324	0.547	0.474	0.643	0.724

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:19:32	3011906.300	21259.557	259806.820	3280415.000	16687007.000	306610.090	5268652.100	365797.510	885.965
2	02:20:40	2997516.900	20733.785	259913.420	3301957.300	16521738.000	299130.570	5188069.700	365723.780	785.959
3	02:21:48	3008343.200	20758.822	259910.240	3324887.000	16720866.000	304030.840	5286637.000	363172.420	812.523
x		3005922.200	20917.388	259876.830	3302419.800	16643203.000	303257.170	5247786.300	364897.900	828.149
σ		7493.990	296.591	60.648	22239.624	106545.920	3799.309	52492.035	1494.769	51.802
%RSD		0.249	1.418	0.023	0.673	0.640	1.253	1.000	0.410	6.255

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:19:32	6224580.200	2346435.600	312932.490	1144635.600	9454254.900	17924299.000	444243.770	6994102.800	1509077.700
2	02:20:40	6207508.900	2302097.300	317148.960	1138368.000	9381265.300	17777009.000	443528.300	6955066.400	1498476.900
3	02:21:48	6237137.200	2334242.600	322640.200	1143728.000	9481828.400	17939655.000	442432.600	7014735.900	1521894.100
x		6223075.400	2327591.800	317573.880	1142243.900	9439116.200	17880321.000	443401.550	6987968.400	1509816.200
σ		14871.378	22905.168	4867.785	3387.156	51962.687	89799.566	912.216	30304.057	11726.058
%RSD		0.239	0.984	1.533	0.297	0.551	0.502	0.206	0.434	0.777

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:19:32	1923124.700	948994.900	1529864.600	112240.240	15414.562	15414.562	47892.123	19641.618	100.521
2	02:20:40	1909573.100	934576.910	1508968.600	111583.040	15438.025	15438.025	47784.994	18863.488	90.104
3	02:21:48	1917440.700	939671.940	1520869.700	112596.680	15466.180	15466.180	47759.910	19285.404	101.042
x		1916712.800	941081.250	1519900.900	112139.990	15439.589	15439.589	47812.342	19263.504	97.223
σ		6805.074	7311.582	10481.652	514.201	25.845	25.845	70.221	389.528	6.170
%RSD		0.355	0.777	0.690	0.459	0.167	0.167	0.147	2.022	6.346

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:19:32	2529.912	2554.916	3153.473	1567.274	4338.159	21.875	861405.940	15378.586	607217.660
2	02:20:40	2529.912	2479.903	3090.959	1675.098	4292.832	10.938	873294.600	15331.660	606272.510
3	02:21:48	2395.513	2545.539	2973.747	1768.860	4255.321	20.313	865727.680	15131.447	605801.590
x		2485.112	2526.786	3072.726	1670.410	4295.437	17.708	866809.410	15280.564	606430.580
σ		77.595	40.872	91.240	100.875	41.480	5.916	6017.698	131.254	721.149
%RSD		3.122	1.618	2.969	6.039	0.966	33.405	0.694	0.859	0.119

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:19:32	11243.485	11243.485	592042.380	170299.680	1798.551	1394370.400	4945583.800	8412745.100	1811420.000
2	02:20:40	11109.005	11109.005	586659.830	167800.050	1817.303	1397638.100	4884582.500	8371948.200	1829219.600
3	02:21:48	11357.638	11357.638	590087.380	169720.980	1796.988	1400462.900	4971441.300	8412846.200	1805588.500
x		11236.710	11236.710	589596.530	169273.570	1804.281	1397490.500	4933869.200	8399179.800	1815409.400
σ		124.455	124.455	2724.642	1308.499	11.305	3048.892	44598.629	23583.309	12310.283
%RSD		1.108	1.108	0.462	0.773	0.627	0.218	0.904	0.281	0.678

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:19:32	1850515.300	847676.340	2034524.300	304458.560	258454.500	625457.980	1415386.300	8869.940
2	02:20:40	1880661.600	848604.060	2036256.300	304501.650	259205.420	632865.960	1418434.800	8382.146
3	02:21:48	1856580.200	852497.810	2062530.600	307488.040	260936.510	631860.380	1409043.500	8904.337
x		1862585.700	849592.740	2044437.100	305482.750	259532.140	630061.440	1414288.200	8718.808
σ		15945.224	2558.270	15693.387	1736.767	1272.854	4018.292	4790.954	292.064
%RSD		0.856	0.301	0.768	0.569	0.490	0.638	0.339	3.350

Received By GBS
11/21/2011
02:38:57 PM
Inst ID: 3P6

C4482-05X10 MB9TC2S 11/19/2011 02:26:18 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:27:26	37543.017	2296.018	312.503	1181.299	10851175.000	2645603.800	366316.810	452601.630	1171144.700
2	02:28:34	37806.210	2240.280	318.754	1210.989	10863374.000	2662200.700	367118.250	455533.260	1173335.900
3	02:29:42	37693.412	2317.375	304.691	1207.864	10956319.000	2676774.200	369567.700	452954.750	1179799.600
x		37680.880	2284.558	311.983	1200.050	10890289.000	2661526.200	367667.590	453696.550	1174760.100
σ		132.043	39.805	7.046	16.314	57507.780	15596.174	1693.636	1600.410	4499.763
%RSD		0.350	1.742	2.258	1.359	0.528	0.586	0.461	0.353	0.383

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:27:26	335455.350	5865.266	106977.170	1308946.200	2722532.300	33204.168	546129.140	370059.890	284.378
2	02:28:34	332822.970	6001.260	108104.360	1318509.100	2745060.800	32862.755	550730.520	375378.810	281.253
3	02:29:42	336533.390	6115.371	108395.620	1328280.100	2749749.700	33384.275	556528.530	373957.890	270.315
x		334937.240	5993.966	107825.720	1318578.500	2739114.200	33150.399	551129.400	373132.190	278.649
σ		1908.701	125.212	749.152	9667.106	14550.501	264.885	5211.159	2753.914	7.384
%RSD		0.570	2.089	0.695	0.733	0.531	0.799	0.946	0.738	2.650

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:27:26	695193.160	255680.240	42613.462	140935.540	1028504.500	2281599.000	51977.198	765845.410	167230.930
2	02:28:34	695157.090	258225.410	41853.408	141928.100	1033165.600	2301462.600	52422.571	777655.340	169224.520
3	02:29:42	695273.490	256976.630	41917.658	141000.230	1031818.600	2328729.100	52515.097	772840.240	167351.080
x		695207.910	256960.760	42128.176	141287.960	1031162.900	2303930.200	52304.955	772113.660	167935.510
σ		59.587	1272.659	421.496	555.325	2398.768	23661.742	287.592	5938.394	1117.928
%RSD		0.009	0.495	1.001	0.393	0.233	1.027	0.550	0.769	0.666

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:27:26	212485.780	103761.400	165714.980	12899.571	1837.618	1837.618	7290.401	2165.789	96.354
2	02:28:34	213959.090	104943.420	167237.260	12731.713	1859.496	1859.496	7262.783	2138.181	99.480
3	02:29:42	213778.290	105179.530	167915.460	12748.915	1828.242	1828.242	7097.075	2145.474	96.354
x		213407.720	104628.120	166955.900	12793.400	1841.785	1841.785	7216.753	2149.815	97.396
σ		803.524	759.826	1126.894	92.349	16.038	16.038	104.560	14.307	1.804
%RSD		0.377	0.726	0.675	0.722	0.871	0.871	1.449	0.665	1.852

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:27:26	315.628	384.380	406.256	231.252	620.326	0.000	899422.990	1968.886	66215.603
2	02:28:34	370.317	395.318	412.506	229.689	626.576	1.563	903719.320	2107.968	66361.590
3	02:29:42	354.692	376.567	414.068	212.502	626.576	4.688	911214.280	2053.273	66972.243
x		346.879	385.422	410.943	224.481	624.493	2.083	904785.530	2043.375	66516.479
σ		28.169	9.419	4.134	10.404	3.609	2.387	5967.517	70.067	401.396
%RSD		8.121	2.444	1.006	4.635	0.578	114.564	0.660	3.429	0.603

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:27:26	1239.116	1239.116	65254.948	18382.131	468.758	148743.790	520696.070	922012.670	1843962.300
2	02:28:34	1270.369	1270.369	64562.751	18529.196	454.695	150016.370	527436.710	926793.580	1850968.800
3	02:29:42	1264.118	1264.118	65292.619	18457.228	475.008	150458.480	524161.600	927416.490	1834102.700
x		1257.868	1257.868	65036.773	18456.185	466.153	149739.550	524098.130	925407.580	1843011.300
σ		16.537	16.537	410.947	73.538	10.404	890.233	3370.767	2956.531	8473.136
%RSD		1.315	1.315	0.632	0.398	2.232	0.595	0.643	0.319	0.460

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:27:26	1896737.100	91356.806	217112.380	32687.353	27885.001	67303.481	1445329.700	1078.166
2	02:28:34	1876180.500	91787.680	218235.550	32162.727	28171.500	68107.277	1452564.300	1123.482
3	02:29:42	1881219.000	91091.055	217729.480	32338.123	27953.885	67863.936	1448758.500	1120.356
x		1884712.200	91411.847	217692.470	32396.068	28003.462	67758.232	1448884.200	1107.335
σ		10714.269	351.559	562.499	267.070	149.545	412.192	3618.955	25.309
%RSD		0.568	0.385	0.258	0.824	0.534	0.608	0.250	2.286

Reviewed By jasval
On 11/21/2011
12:38:57 PM
Inst Id :P6

C4482-06 MB9TF0 11/19/2011 02:34:12 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:35:20	39260.123	68.750	2967.496	2517.409	93381666.000	24386097.000	3529274.700	4306985.600	139234.600
2	02:36:28	39479.477	65.625	2740.888	2700.255	94353797.000	24920828.000	3589656.700	4348094.400	139334.000
3	02:37:36	39764.641	73.438	2858.098	2662.748	94127846.000	24843967.000	3551673.900	4348330.500	139226.720
x		39501.414	69.271	2855.494	2626.804	93954436.000	24716964.000	3556868.400	4334470.200	139265.110
σ		252.973	3.932	113.326	96.577	508736.700	289104.730	30524.321	23802.671	59.796
%RSD		0.640	5.677	3.969	3.677	0.541	1.170	0.858	0.549	0.043

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:35:20	2928950.300	17506.032	257670.210	1263492.600	17018834.000	305689.110	5249548.700	390289.240	771.896
2	02:36:28	2957295.100	17926.866	259725.680	1263911.700	17197567.000	309997.660	5328885.500	391159.440	706.267
3	02:37:36	2936784.500	17626.493	259564.980	1271045.500	17031334.000	308433.090	5301660.400	390989.250	679.704
x		2941010.000	17686.464	258986.960	1266149.900	17082579.000	308039.950	5293364.900	390812.640	719.289
σ		14637.219	216.732	1143.167	4244.872	99779.114	2181.015	40313.685	461.197	47.455
%RSD		0.498	1.225	0.441	0.335	0.584	0.708	0.762	0.118	6.598

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:35:20	28644.314	33976.293	10985.472	153981.660	1235728.600	2572214.400	65944.039	3627.023	8239.876
2	02:36:28	27983.631	34654.482	10732.155	153015.110	1253575.000	2606339.700	66787.004	3828.638	8407.161
3	02:37:36	26685.839	33921.476	10311.533	153177.780	1255012.000	2614468.000	67479.308	3644.215	8530.671
x		27771.261	34184.083	10676.387	153391.520	1248105.200	2597674.000	66736.783	3699.959	8392.569
σ		996.359	408.298	340.413	517.513	10742.512	22420.112	768.866	111.771	145.946
%RSD		3.588	1.194	3.188	0.337	0.861	0.863	1.152	3.021	1.739

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:35:20	20567.921	10067.609	29319.118	1948.050	242.190	242.190	2344.984	156.251	108.855
2	02:36:28	20358.246	9842.452	29719.945	1975.137	248.440	248.440	2379.365	143.230	84.896
3	02:37:36	20617.993	9948.775	29403.667	1897.522	246.877	246.877	2383.532	165.626	100.521
x		20514.720	9952.945	29480.910	1940.236	245.835	245.835	2369.294	155.036	98.091
σ		137.804	112.636	211.283	39.393	3.253	3.253	21.156	11.247	12.163
%RSD		0.672	1.132	0.717	2.030	1.323	1.323	0.893	7.255	12.400

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:35:20	2182.979	2134.535	2440.834	1395.381	3556.693	1.563	921767.920	490.633	112.500
2	02:36:28	2082.964	2084.527	2473.652	1367.253	3430.099	3.125	934018.680	503.134	118.750
3	02:37:36	2114.219	2100.154	2325.189	1426.634	3516.058	1.563	923025.010	462.507	103.125
x		2126.721	2106.405	2413.225	1396.422	3500.950	2.083	926270.530	485.425	111.459
σ		51.166	25.583	77.987	29.704	64.635	0.902	6739.461	20.808	7.864
%RSD		2.406	1.215	3.232	2.127	1.846	43.301	0.728	4.287	7.056

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:35:20	25.000	25.000	106.250	118.750	1093.792	3698.916	79291.315	137860.440	1873806.500
2	02:36:28	20.313	20.313	98.438	140.626	1104.730	3550.441	79421.724	139502.830	1879454.700
3	02:37:36	34.375	34.375	100.000	118.750	1093.792	3597.328	78961.370	140028.240	1881985.800
x		26.563	26.563	101.563	126.042	1097.438	3615.562	79224.803	139130.500	1878415.600
σ		7.160	7.160	4.134	12.630	6.315	75.898	237.275	1130.847	4187.492
%RSD		26.956	26.956	4.070	10.020	0.575	2.099	0.299	0.813	0.223

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:35:20	1905289.700	807.835	1806.364	32380.406	29283.107	70429.434	1440803.300	7888.115
2	02:36:28	1920063.600	778.146	1731.355	32549.539	30183.415	71176.875	1439724.100	7886.551
3	02:37:36	1917243.200	737.519	1793.863	32876.850	29605.646	70203.325	1434720.300	7935.016
x		1914198.800	774.500	1777.194	32602.265	29690.723	70603.211	1438415.900	7903.227
σ		7843.357	35.300	40.187	252.387	456.144	509.508	3245.636	27.541
%RSD		0.410	4.558	2.261	0.774	1.536	0.722	0.226	0.348

Reviewed By jaswal
on 11/21/2011
12:38:57 PM
Inst Id :P6

C4482-07 MB9TF2 11/19/2011 02:42:06 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:43:14	39816.347	72.396	2629.930	2428.331	94419118.000	24066912.000	3450721.200	4202762.900	119062.850
2	02:44:22	40334.987	63.542	2500.219	2097.029	93459413.000	23633303.000	3407930.600	4156290.500	117980.490
3	02:45:30	39242.889	75.000	2572.106	2268.930	94821509.000	24107242.000	3462790.900	4180859.100	118711.510
x		39798.074	70.313	2567.418	2264.764	94233347.000	23935819.000	3440480.900	4179970.900	118584.950
σ		546.278	6.007	64.982	165.691	699792.370	262761.760	28828.120	23248.909	552.168
%RSD		1.373	8.543	2.531	7.316	0.743	1.098	0.838	0.556	0.466

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:43:14	2950831.300	21719.623	257340.910	1262906.500	16558851.000	302932.880	5166894.600	396850.720	631.264
2	02:44:22	2904054.400	21635.120	256695.070	1266607.400	16441134.000	298308.970	5125052.800	395393.960	646.890
3	02:45:30	2956564.300	21585.045	257286.830	1262446.500	16749698.000	304168.090	5206169.000	389285.850	626.576
x		2937150.000	21646.596	257107.600	1263986.800	16583228.000	301803.310	5166038.800	393843.510	634.910
σ		28804.623	68.019	358.284	2281.103	155719.600	3088.571	40564.880	4013.691	10.636
%RSD		0.981	0.314	0.139	0.180	0.939	1.023	0.785	1.019	1.675

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:43:14	23802.626	24785.545	8294.595	161117.530	779401.430	2711469.800	69055.564	2543.977	5938.734
2	02:44:22	23444.221	24481.897	8106.987	158941.800	769209.760	2705786.700	68617.523	2197.044	5743.342
3	02:45:30	23397.269	24989.024	8035.072	161811.240	783280.180	2736432.300	71071.665	2462.712	5866.829
x		23548.039	24752.156	8145.551	160623.520	777297.120	2717896.300	69581.584	2401.244	5849.635
σ		221.725	255.207	133.991	1497.150	7267.409	16302.234	1308.903	181.451	98.824
%RSD		0.942	1.031	1.645	0.932	0.935	0.600	1.881	7.557	1.689

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:43:14	16368.747	7925.635	27593.811	1875.644	214.064	214.064	2447.606	151.042	109.375
2	02:44:22	16141.927	7708.329	26410.328	1829.284	217.189	217.189	2411.141	176.043	108.855
3	02:45:30	16568.978	7900.622	27426.302	1827.200	192.189	192.189	2471.047	161.459	96.875
x		16359.884	7844.862	27143.480	1844.043	207.814	207.814	2443.265	162.848	105.035
σ		213.663	118.901	640.429	27.387	13.622	13.622	30.188	12.558	7.071
%RSD		1.306	1.516	2.359	1.485	6.555	6.555	1.236	7.711	6.732

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:43:14	2075.151	2243.926	2448.647	1421.946	3783.313	1.563	928340.920	484.383	101.563
2	02:44:22	2148.599	2303.311	2537.725	1481.327	3687.976	6.250	938666.800	490.633	79.688
3	02:45:30	2114.219	2106.405	2650.246	1364.128	3755.181	0.000	919383.910	457.820	90.625
x		2112.656	2217.881	2545.539	1422.467	3742.157	2.604	928797.210	477.612	90.625
σ		36.749	101.004	101.026	58.601	48.985	3.253	9649.536	17.423	10.938
%RSD		1.739	4.554	3.969	4.120	1.309	124.900	1.039	3.648	12.069

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:43:14	31.250	31.250	73.438	78.125	1095.354	2801.837	70997.862	124349.790	1884939.900
2	02:44:22	21.875	21.875	73.438	89.063	1017.224	2798.712	70765.463	123911.640	1912635.700
3	02:45:30	20.313	20.313	76.563	98.438	1170.360	2750.265	71762.606	124973.950	1870964.500
x		24.479	24.479	74.479	88.542	1094.313	2783.604	71175.311	124411.790	1889513.400
σ		5.916	5.916	1.804	10.166	76.574	28.915	521.718	533.866	21208.707
%RSD		24.166	24.166	2.422	11.482	6.997	1.039	0.733	0.429	1.122

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:43:14	1915827.000	476.570	1135.983	15312.890	13694.060	32718.675	1436595.500	7977.227
2	02:44:22	1965479.700	462.507	1028.162	15244.067	13590.837	32787.583	1475291.400	8119.494
3	02:45:30	1927019.700	459.382	1082.853	15519.363	14019.376	33404.635	1430798.500	8078.846
x		1936108.800	466.153	1082.333	15358.773	13768.091	32970.298	1447561.800	8058.522
σ		26044.329	9.156	53.912	143.269	223.655	377.722	24188.824	73.279
%RSD		1.345	1.964	4.981	0.933	1.624	1.146	1.671	0.909

C4482-08 MB9TG4 11/19/2011 02:50:00 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:51:08	40270.743	50.521	2998.752	2601.799	96256257.000	25269999.000	3662164.200	4431133.000	231761.720
2	02:52:16	41221.888	53.125	3086.271	2573.669	96014179.000	25137525.000	3612691.800	4404551.600	230704.180
3	02:53:24	39578.187	59.375	2911.234	2673.688	96957291.000	25394929.000	3676264.100	4457624.300	232306.400
x		40356.939	54.340	2998.752	2616.385	96409242.000	25267484.000	3650373.400	4431103.000	231590.770
σ		825.234	4.550	87.518	51.580	489814.660	128720.360	33386.054	26536.369	814.673
%RSD		2.045	8.374	2.918	1.971	0.508	0.509	0.915	0.599	0.352
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:51:08	2995621.200	18910.946	260007.290	1258814.800	17303001.000	315053.350	5385216.900	392084.280	1137.545
2	02:52:16	3000691.700	19022.031	259216.560	1263376.700	17094411.000	313874.700	5371490.000	396882.840	1057.852
3	02:53:24	3022435.700	19042.370	261977.170	1264784.100	17360775.000	319083.520	5426029.300	392541.900	1109.418
x		3006249.500	18991.782	260400.340	1262325.200	17252729.000	316003.860	5394245.400	393836.340	1101.605
σ		14245.057	70.741	1421.659	3120.464	140117.390	2731.399	28368.432	2648.249	40.417
%RSD		0.474	0.372	0.546	0.247	0.812	0.864	0.526	0.672	3.669
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:51:08	22223.523	17143.092	6793.803	228119.420	1299102.500	3814321.500	96624.104	3806.757	6462.399
2	02:52:16	22323.679	17257.292	6840.700	226146.230	1304151.700	3796640.800	94952.011	3572.322	6227.920
3	02:53:24	22693.010	17351.156	6981.393	228538.540	1315075.800	3846109.000	98201.996	3655.155	6401.434
x		22413.404	17250.513	6871.965	227601.400	1306110.000	3819023.800	96592.703	3678.078	6363.917
σ		247.270	104.197	97.625	1277.516	8164.696	25067.121	1625.220	118.887	121.658
%RSD		1.103	0.604	1.421	0.561	0.625	0.656	1.683	3.232	1.912
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:51:08	18102.087	8591.645	21708.669	1814.178	176.564	176.564	2435.624	158.855	105.209
2	02:52:16	17543.578	8576.011	21002.928	1840.223	162.501	162.501	2423.122	180.730	93.229
3	02:53:24	17895.577	8529.108	21098.381	1904.815	206.251	206.251	2415.308	165.626	105.209
x		17847.081	8565.588	21269.993	1853.072	181.772	181.772	2424.685	168.404	101.216
σ		282.395	32.546	382.891	46.665	22.335	22.335	10.248	11.199	6.916
%RSD		1.582	0.380	1.800	2.518	12.288	12.288	0.423	6.650	6.833
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:51:08	2278.307	2204.858	2439.271	1379.754	3398.842	4.688	927276.590	432.819	85.938
2	02:52:16	2358.007	2161.101	2453.336	1318.811	3464.483	3.125	943963.340	496.884	87.500
3	02:53:24	2309.562	2181.416	2408.015	1384.442	3386.339	1.563	924110.680	521.885	85.938
x		2315.292	2182.458	2433.541	1361.002	3416.554	3.125	931783.540	483.862	86.459
σ		40.158	21.897	23.197	36.614	41.975	1.563	10666.135	45.938	0.902
%RSD		1.734	1.003	0.953	2.690	1.229	50.000	1.145	9.494	1.043
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:51:08	20.313	20.313	76.563	64.063	8611.970	3447.291	81037.007	142652.450	1883125.500
2	02:52:16	28.125	28.125	50.000	70.313	8571.321	3517.621	79032.072	141063.350	1925650.600
3	02:53:24	20.313	20.313	67.188	100.000	8904.337	3606.705	81297.858	142235.830	1882392.300
x		22.917	22.917	64.583	78.125	8695.876	3523.872	80455.646	141983.880	1897056.100
σ		4.511	4.511	13.471	19.200	181.673	79.891	1239.731	823.966	24766.270
%RSD		19.682	19.682	20.859	24.576	2.089	2.267	1.541	0.580	1.306
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	02:51:08	1920321.600	368.755	939.093	20484.989	18511.987	44925.216	1447611.500	8516.600	
2	02:52:16	1959398.100	376.567	859.401	20740.044	18806.120	44732.425	1462637.200	8422.795	
3	02:53:24	1925097.000	389.068	885.965	21267.381	18541.713	45881.373	1454177.600	8436.866	
x		1934938.900	378.130	894.820	20830.805	18619.940	45179.671	1454808.800	8458.754	
σ		21316.437	10.246	40.577	399.014	161.921	615.289	7532.720	50.588	
%RSD		1.102	2.710	4.535	1.916	0.870	1.362	0.518	0.598	

C4482-09 MB9TC0 11/19/2011 02:57:55 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	02:59:03	39658.095	57.292	2589.297	2447.085	88096347.000	22000028.000	3152581.500	3839462.200	209966.120
2	03:00:11	39451.274	57.813	2837.782	2531.474	88130263.000	21986295.000	3151733.700	3837977.900	210273.720
3	03:01:19	39717.636	77.604	2636.181	2393.951	88543449.000	22033642.000	3159642.600	3845916.400	210138.950
x		39609.002	64.236	2687.753	2457.503	88256687.000	22006655.000	3154652.600	3841118.800	210126.260
σ		139.803	11.580	132.026	69.351	248922.300	24359.482	4342.209	4220.543	154.192
%RSD		0.353	18.027	4.912	2.822	0.282	0.111	0.138	0.110	0.073

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	02:59:03	2770552.700	22660.145	248818.480	1246594.200	15419796.000	280342.740	4812179.500	388817.090	1517.268
2	03:00:11	2745999.400	22494.258	247797.840	1242057.800	15357828.000	277790.480	4740367.200	386953.440	1412.570
3	03:01:19	2801661.300	23020.095	249279.540	1248044.200	15350776.000	278327.340	4783988.400	386589.080	1468.825
x		2772737.800	22724.833	248631.950	1245565.400	15376133.000	278820.190	4778845.000	387453.200	1466.221
σ		27895.179	268.820	758.254	3122.979	37977.023	1345.616	36181.422	1195.127	52.398
%RSD		1.006	1.183	0.305	0.251	0.247	0.483	0.757	0.308	3.574

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	02:59:03	21628.861	8799.584	5390.079	455549.390	4527818.100	7562555.400	188790.840	7078.316	6188.840
2	03:00:11	21689.891	8927.789	5418.215	454622.110	4520999.600	7608772.300	188570.780	7087.695	6206.035
3	03:01:19	21912.105	8963.749	5577.651	451972.810	4511091.600	7623577.900	190896.680	7025.164	6501.479
x		21743.619	8897.041	5461.982	454048.100	4519969.700	7598301.900	189419.430	7063.725	6298.785
σ		149.070	86.294	101.156	1856.095	8410.667	31830.155	1284.054	33.722	175.749
%RSD		0.686	0.970	1.852	0.409	0.186	0.419	0.678	0.477	2.790

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	02:59:03	17992.574	8862.123	25424.166	2152.766	170.314	170.314	2387.700	154.688	103.646
2	03:00:11	17739.132	8894.956	25561.911	2178.812	182.814	182.814	2470.005	160.938	107.813
3	03:01:19	17710.972	8615.097	25106.417	2192.356	145.313	145.313	2447.085	161.459	104.688
x		17814.226	8790.725	25364.165	2174.645	166.147	166.147	2434.930	159.029	105.382
σ		155.094	152.982	233.600	20.121	19.094	19.094	42.478	3.768	2.168
%RSD		0.871	1.740	0.921	0.925	11.492	11.492	1.745	2.369	2.058

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	02:59:03	1947.008	1964.198	2132.972	1170.360	2950.305	3.125	915294.370	504.696	96.875
2	03:00:11	2073.588	1976.699	2150.162	1060.977	3133.156	0.000	921101.960	478.133	54.688
3	03:01:19	1995.452	1842.306	2156.413	1128.170	3131.593	4.688	924268.880	462.507	81.250
x		2005.349	1927.734	2146.515	1119.836	3071.685	2.604	920221.740	481.779	77.604
σ		63.868	74.246	12.138	55.166	105.121	2.387	4551.542	21.329	21.329
%RSD		3.185	3.851	0.565	4.926	3.422	91.652	0.495	4.427	27.484

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	02:59:03	29.688	29.688	65.625	131.251	1057.852	3061.266	71250.679	126513.980	1886090.400
2	03:00:11	25.000	25.000	75.000	104.688	1087.541	2948.742	71462.671	126301.170	1870588.500
3	03:01:19	12.500	12.500	59.375	129.688	1023.474	3112.839	71228.694	125702.180	1884799.600
x		22.396	22.396	66.667	121.876	1056.289	3040.949	71314.015	126172.440	1880492.800
σ		8.885	8.885	7.864	14.905	32.062	83.914	129.209	420.935	8601.692
%RSD		39.671	39.671	11.797	12.230	3.035	2.759	0.181	0.334	0.457

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	02:59:03	1935104.700	321.879	804.710	21929.318	19308.352	46809.376	1448106.500	7811.510
2	03:00:11	1932172.900	350.004	760.958	22018.518	19410.052	47235.776	1445165.800	7941.269
3	03:01:19	1921978.500	289.065	717.206	21843.249	19288.012	46905.002	1442565.400	8035.072
x		1929752.100	320.316	760.958	21930.362	19335.472	46983.385	1445279.200	7929.284
σ		6889.854	30.499	43.752	87.639	65.384	223.746	2772.282	112.262
%RSD		0.357	9.522	5.750	0.400	0.338	0.476	0.192	1.416

C4481-03 MB9TC9 11/19/2011 03:05:51 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:06:59	37121.605	188.022	5938.734	2478.340	68918952.000	25790243.000	3703638.500	4462763.000	6761003.000
2	03:08:07	36535.723	216.668	5754.284	2553.353	66440915.000	24804197.000	3572611.800	4318387.200	6554043.000
3	03:09:15	35479.942	194.272	5688.632	2490.842	65489581.000	24469114.000	3499390.400	4238452.000	6372130.400
x		36379.090	199.654	5793.883	2507.512	66949816.000	25021185.000	3591880.300	4339867.400	6562392.100
σ		831.965	15.062	129.668	40.189	1770418.500	686773.390	103478.360	113687.720	194570.700
%RSD		2.287	7.544	2.238	1.603	2.644	2.745	2.881	2.620	2.965

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:06:59	6502477.100	214604.600	318356.630	14868849.000	21663096.000	174131.390	3027533.800	340739.160	19744.886
2	03:08:07	6318498.400	206589.300	310163.710	14332336.000	20822721.000	167656.190	2898856.200	329949.650	19000.127
3	03:09:15	6157976.700	199299.330	303931.890	14071151.000	20405890.000	163829.360	2840732.600	319736.950	18530.761
x		6326317.400	206831.070	310817.410	14424112.000	20963902.000	168538.980	2922374.200	330141.920	19091.924
σ		172383.260	7655.500	7234.553	406690.750	640383.470	5207.445	95595.461	10502.424	612.246
%RSD		2.725	3.701	2.328	2.820	3.055	3.090	3.271	3.181	3.207

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:06:59	1275572.000	60730.375	415499.530	9936861.300	1557837.200	167332450.000	4147782.100	43948.748	42033.623
2	03:08:07	1529958.200	58634.145	500470.240	9575966.600	1518705.000	161644520.000	3948971.200	42166.827	40278.578
3	03:09:15	1694299.800	56461.356	557965.810	9319112.400	1480168.600	158983130.000	3892613.500	40958.632	39513.947
x		1499943.300	58608.625	491311.860	9610646.800	1518903.600	162653370.000	3996455.600	42358.069	40608.716
σ		210971.390	2134.624	71673.336	310331.210	38834.666	4265104.100	134047.830	1504.204	1291.873
%RSD		14.065	3.642	14.588	3.229	2.557	2.622	3.354	3.551	3.181

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:06:59	48455.476	24021.742	227147.870	35639.192	8394.653	8394.653	1920.442	164.063	103.125
2	03:08:07	45744.999	22984.100	218264.110	37244.842	9068.502	9068.502	1811.052	158.855	78.646
3	03:09:15	45133.684	21995.044	215797.370	37405.678	9273.321	9273.321	1752.712	141.667	82.292
x		46444.720	23000.295	220403.120	36763.237	8912.159	8912.159	1828.069	154.862	88.021
σ		1767.988	1013.446	5969.925	976.768	459.725	459.725	85.150	11.720	13.207
%RSD		3.807	4.406	2.709	2.657	5.158	5.158	4.658	7.568	15.004

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:06:59	1864.184	885.965	1290.683	584.387	1576.650	6.250	783954.780	440.632	493.759
2	03:08:07	1817.303	935.968	1275.057	570.324	1484.452	4.688	765563.710	432.819	475.008
3	03:09:15	1764.171	940.656	1098.480	581.262	1620.404	3.125	748793.340	492.196	489.071
x		1815.219	920.863	1221.407	578.658	1560.502	4.688	766103.940	455.216	485.946
σ		50.039	30.313	106.744	7.384	69.400	1.563	17586.942	32.263	9.758
%RSD		2.757	3.292	8.739	1.276	4.447	33.333	2.296	7.087	2.008

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:06:59	75.000	75.000	526.572	982.846	5285.353	7794.313	169999.260	303438.760	1686133.400
2	03:08:07	84.375	84.375	448.445	940.656	5039.951	7605.149	165805.080	295589.240	1682601.000
3	03:09:15	68.750	68.750	428.131	831.274	4896.151	7412.860	164643.320	289075.150	1654352.600
x		76.042	76.042	467.716	918.259	5073.818	7604.107	166815.890	296034.380	1674362.300
σ		7.864	7.864	51.973	78.229	196.798	190.729	2817.411	7192.146	17418.682
%RSD		10.342	10.342	11.112	8.519	3.879	2.508	1.689	2.429	1.040

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:06:59	1738194.400	915.654	2256.428	237083.930	198999.880	490773.640	1334183.000	12453.864
2	03:08:07	1731431.300	904.716	1984.513	233675.330	199538.570	488727.110	1332947.100	12431.970
3	03:09:15	1697836.700	721.893	1693.850	235967.230	201116.720	491499.520	1325797.400	12356.904
x		1722487.400	847.421	1978.264	235575.500	199885.060	490333.430	1330975.800	12414.246
σ		21614.357	108.848	281.341	1737.737	1100.131	1437.673	4527.049	50.851
%RSD		1.255	12.845	14.222	0.738	0.550	0.293	0.340	0.410

C4481-03X10 MB9TC9 11/19/2011 03:13:46 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:14:54	30853.595	55.208	590.637	906.279	5697001.200	2007933.200	276745.490	341647.980	569553.670
2	03:16:02	30991.392	55.208	571.886	939.093	5792320.600	2049371.800	284803.120	348757.330	580483.810
3	03:17:10	31110.401	66.146	500.009	954.719	5833390.800	2064677.200	287941.660	351533.520	583947.330
x		30985.129	58.854	554.177	933.364	5774237.500	2040660.700	283163.420	347312.950	577994.940
σ		128.518	6.315	47.839	24.723	69969.863	29357.846	5775.378	5098.596	7512.672
%RSD		0.415	10.730	8.632	2.649	1.212	1.439	2.040	1.468	1.300

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:14:54	521828.480	19521.141	97895.214	2013558.400	2483289.500	14027.196	232379.450	297757.010	1748.545
2	03:16:02	524184.290	19729.239	99460.659	2031936.300	2513279.200	14042.836	235071.390	294016.660	1776.673
3	03:17:10	530242.450	19665.088	100204.890	2031838.900	2529503.500	14357.211	237485.840	298267.490	1789.175
x		525418.410	19638.489	99186.922	2025777.900	2508690.700	14142.414	234978.890	296680.390	1771.464
σ		4340.624	106.568	1178.921	10582.479	23446.230	186.184	2554.451	2320.932	20.810
%RSD		0.826	0.543	1.189	0.522	0.935	1.316	1.087	0.782	1.175

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:14:54	231960.220	7911.565	75959.220	834355.110	129745.900	14028050.000	342075.210	3687.976	3925.539
2	03:16:02	219599.970	8094.480	72835.202	854531.250	132120.640	14345281.000	348169.820	3897.407	3741.115
3	03:17:10	210966.640	7806.820	68944.090	847409.630	132658.400	14404395.000	349637.840	3839.578	3816.135
x		220842.270	7937.622	72579.504	845432.000	131508.320	14259242.000	346627.630	3808.320	3827.596
σ		10551.781	145.589	3514.548	10232.421	1549.799	202388.240	4010.253	108.158	92.745
%RSD		4.778	1.834	4.842	1.210	1.178	1.419	1.157	2.840	2.423

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:14:54	4300.647	2072.025	19358.420	5409.878	1639.157	1639.157	1575.087	84.375	77.604
2	03:16:02	4367.855	2086.090	19669.782	5379.137	1439.135	1439.135	1624.572	90.104	74.479
3	03:17:10	4385.048	2073.588	19363.114	5106.121	1450.074	1450.074	1601.131	89.584	81.771
x		4351.183	2077.234	19463.772	5298.379	1509.455	1509.455	1600.263	88.021	77.952
σ		44.602	7.709	178.426	167.208	112.458	112.458	24.754	3.168	3.658
%RSD		1.025	0.371	0.917	3.156	7.450	7.450	1.547	3.599	4.693

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:14:54	189.064	145.313	190.626	81.250	231.252	0.000	757357.240	300.003	98.438
2	03:16:02	210.939	151.563	175.001	118.750	218.752	3.125	749637.490	360.942	123.438
3	03:17:10	212.502	118.750	201.564	92.188	260.940	0.000	748535.010	325.004	82.813
x		204.168	138.542	189.064	97.396	236.981	1.042	751843.240	328.650	101.563
σ		13.104	17.423	13.350	19.285	21.670	1.804	4806.968	30.633	20.492
%RSD		6.418	12.576	7.061	19.801	9.144	173.205	0.639	9.321	20.177

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:14:54	18.750	18.750	98.438	131.251	559.386	770.333	14632.490	26272.574	1673502.400
2	03:16:02	12.500	12.500	90.625	90.625	562.511	746.895	15225.297	26455.724	1658585.000
3	03:17:10	10.938	10.938	104.688	100.000	565.636	810.961	15014.136	26894.041	1661347.200
x		14.063	14.063	97.917	107.292	562.511	776.063	14957.307	26540.780	1664478.200
σ		4.134	4.134	7.046	21.272	3.125	32.415	300.461	319.345	7936.231
%RSD		29.397	29.397	7.196	19.826	0.556	4.177	2.009	1.203	0.477

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:14:54	1741322.900	243.752	640.639	21980.960	18490.083	46060.072	1385763.800	1328.187
2	03:16:02	1720014.600	276.565	646.890	22727.439	19042.370	46172.935	1380994.400	1304.747
3	03:17:10	1722589.600	232.814	537.510	22558.422	18857.751	47006.898	1382521.000	1421.946
x		1727975.700	251.044	608.346	22422.274	18796.735	46413.302	1383093.100	1351.627
σ		11630.471	22.769	61.426	391.421	281.154	517.158	2435.619	62.016
%RSD		0.673	9.070	10.097	1.746	1.496	1.114	0.176	4.588

C4482-01X20 MB9TA8 11/19/2011 03:21:42 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:22:50	31893.374	40.625	210.939	887.528	4139319.600	1633210.100	224309.800	276971.690	53330.610
2	03:23:58	31096.308	57.292	232.814	893.778	4136717.400	1636385.100	226400.210	278249.280	54174.401
3	03:25:06	31819.773	56.771	221.877	909.404	4195715.700	1652855.800	228600.460	281700.310	54550.829
x		31603.152	51.563	221.877	896.903	4157250.900	1640817.000	226436.820	278973.760	54018.613
σ		440.480	9.476	10.938	11.268	33336.907	10546.088	2145.560	2446.144	624.849
%RSD		1.394	18.377	4.930	1.256	0.802	0.643	0.948	0.877	1.157

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:22:50	267267.570	4225.625	87680.754	909079.840	1805445.500	8172.650	135257.610	301073.880	189.064
2	03:23:58	270069.540	4424.122	87921.288	903644.490	1829430.100	8253.946	137150.530	305470.440	200.001
3	03:25:06	272569.470	4310.025	88452.678	912503.750	1842285.500	7978.790	137742.120	307749.840	176.564
x		269968.860	4319.924	88018.240	908409.360	1825720.400	8135.129	136716.750	304764.720	188.543
σ		2652.383	99.618	394.989	4467.527	18698.109	141.363	1297.812	3393.467	11.728
%RSD		0.982	2.306	0.449	0.492	1.024	1.738	0.949	1.113	6.220

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:22:50	81041.721	3183.167	27041.194	558836.370	237840.090	9429827.200	227797.150	2061.086	800.022
2	03:23:58	74895.815	3089.396	25123.635	560939.890	239867.320	9520366.700	230316.760	2192.356	850.025
3	03:25:06	70025.895	3190.981	24034.263	568146.130	242746.590	9574711.900	230600.970	2231.424	789.084
x		75321.144	3154.515	25399.697	562640.790	240151.340	9508301.900	229571.630	2161.622	813.044
σ		5520.216	56.529	1522.355	4882.388	2465.550	73191.973	1543.299	89.231	32.490
%RSD		7.329	1.792	5.994	0.868	1.027	0.770	0.672	4.128	3.996

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:22:50	582.824	246.877	1504.767	2194.960	667.203	667.203	1639.157	88.542	81.250
2	03:23:58	634.389	300.003	1587.588	2113.177	560.949	560.949	1696.455	92.188	82.292
3	03:25:06	632.827	256.252	1603.215	2048.584	590.637	590.637	1684.474	83.334	70.313
x		616.680	267.711	1565.190	2118.907	606.263	606.263	1673.362	88.021	77.952
σ		29.330	28.356	52.908	73.356	54.824	54.824	30.222	4.450	6.636
%RSD		4.756	10.592	3.380	3.462	9.043	9.043	1.806	5.056	8.513

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:22:50	96.875	71.875	67.188	34.375	79.688	1.563	768155.230	367.192	43.750
2	03:23:58	104.688	43.750	56.250	28.125	87.500	1.563	769924.910	375.005	57.813
3	03:25:06	95.313	42.188	64.063	26.563	73.438	3.125	777327.250	400.006	92.188
x		98.959	52.604	62.500	29.688	80.209	2.083	771802.460	380.734	64.583
σ		5.023	16.707	5.634	4.134	7.046	0.902	4865.736	17.141	24.919
%RSD		5.076	31.760	9.014	13.925	8.784	43.301	0.630	4.502	38.584

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:22:50	1.563	1.563	50.000	18.750	175.001	400.006	7206.505	12672.806	1694831.100
2	03:23:58	1.563	1.563	43.750	29.688	175.001	346.879	7178.366	12780.715	1699520.300
3	03:25:06	1.563	1.563	67.188	25.000	160.938	354.692	7265.910	12974.639	1702044.400
x		1.563	1.563	53.646	24.479	170.314	367.192	7216.927	12809.387	1698798.600
σ		0.000	0.000	12.137	5.487	8.119	28.684	44.693	152.946	3660.422
%RSD		0.000	0.000	22.624	22.416	4.767	7.812	0.619	1.194	0.215

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:22:50	1760102.200	160.938	328.129	743.769	639.077	1645.407	1390742.600	100.000
2	03:23:58	1747789.500	143.751	400.006	837.525	695.329	1770.422	1395692.200	106.250
3	03:25:06	1759938.500	153.126	362.505	759.395	737.519	1764.171	1407011.900	120.313
x		1755943.400	152.605	363.546	780.230	690.642	1726.667	1397815.600	108.855
σ		7061.987	8.606	35.950	50.230	49.388	70.442	8339.879	10.404
%RSD		0.402	5.639	9.889	6.438	7.151	4.080	0.597	9.557

Reviewed By: [illegible]
On: 11/21/2011
12:38:57 PM
Inst Id: P8

CCV60 11/19/2011 03:29:37 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:30:45	33089.841	51176.920	9414.038	1184.424	65670593.000	48195670.000	6893332.600	8389401.600	12645902.000
2	03:31:53	32659.164	51833.970	9276.448	1134.420	66077299.000	48652518.000	6941756.500	8476712.900	12838531.000
3	03:33:02	33183.809	51687.608	9066.939	1106.293	66125394.000	48877007.000	6982695.400	8505385.700	12806694.000
x		32977.605	51566.166	9252.475	1141.712	65957762.000	48575065.000	6939261.500	8457166.700	12763709.000
σ		279.751	344.949	174.787	39.573	249855.200	347209.280	44733.567	60412.079	103258.360
%RSD		0.848	0.669	1.889	3.466	0.379	0.715	0.645	0.714	0.809

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:30:45	146203.710	736682.730	151795.960	921115.280	43358267.000	204184.780	3542282.400	319225.700	104422.440
2	03:31:53	147144.550	732259.090	152324.980	926427.170	43552742.000	205975.850	3557331.200	318850.270	104150.150
3	03:33:02	147772.860	738813.660	151626.990	930544.790	43635925.000	206719.280	3593618.700	321312.330	105442.390
x		147040.370	735918.490	151915.980	926029.080	43515645.000	205626.640	3564410.800	319796.100	104671.660
σ		789.743	3343.446	364.145	4727.345	142497.980	1302.836	26390.236	1326.445	681.215
%RSD		0.537	0.454	0.240	0.510	0.327	0.634	0.740	0.415	0.651

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:30:45	1598144.500	1444508.800	187707.960	5727460.700	4571464.900	96059768.000	2354658.100	1774353.200	376225.650
2	03:31:53	1591642.300	1456065.600	185887.520	5688616.600	4577140.200	96085698.000	2378241.500	1786283.600	377577.820
3	03:33:02	1587451.300	1470990.900	185047.020	5714418.800	4587007.300	97153632.000	2375763.300	1787357.900	381713.700
x		1592412.700	1457188.400	186214.170	5710165.400	4578537.400	96433033.000	2369554.300	1782664.900	378505.720
σ		5388.079	13276.734	1360.213	19768.279	7864.869	624191.770	12959.838	7218.166	2859.272
%RSD		0.338	0.911	0.730	0.346	0.172	0.647	0.547	0.405	0.755

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:30:45	1886008.800	932895.610	761948.210	327553.250	18505.728	18505.728	60140.387	24583.634	93.750
2	03:31:53	1894310.100	929122.150	769578.870	330455.940	18630.891	18630.891	60653.487	24645.720	77.084
3	03:33:02	1906397.300	941547.400	774617.070	328609.920	18568.310	18568.310	60682.254	24549.722	84.896
x		1895572.100	934521.720	768714.720	328873.040	18568.310	18568.310	60492.043	24593.025	85.243
σ		10252.683	6370.234	6378.486	1469.125	62.581	62.581	304.882	48.683	8.339
%RSD		0.541	0.682	0.830	0.447	0.337	0.337	0.504	0.198	9.782

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:30:45	325778.990	567224.630	616913.860	361781.540	947273.600	3.125	782643.550	38135.207	1793129.400
2	03:31:53	327219.160	573237.330	623157.530	364215.670	955046.050	3.125	785361.800	38591.117	1794509.500
3	03:33:02	327521.280	574801.460	624550.810	364188.420	952428.080	7.813	791524.270	39170.816	1799330.300
x		326839.810	571754.470	621540.730	363395.210	951582.580	4.688	786509.870	38632.380	1795656.400
σ		931.034	4000.150	4067.097	1397.547	3954.603	2.706	4550.317	519.036	3255.674
%RSD		0.285	0.700	0.654	0.385	0.416	57.735	0.579	1.344	0.181

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:30:45	28940.222	28940.222	1744584.000	437725.240	1184898.300	1832828.700	1585801.000	2800214.200	1731016.500
2	03:31:53	28605.173	28605.173	1750314.600	438865.690	1188061.100	1841703.100	1594035.300	2803552.400	1731049.900
3	03:33:02	28694.414	28694.414	1754191.900	438725.550	1197005.700	1844575.000	1601709.400	2830071.200	1742439.700
x		28746.603	28746.603	1749696.300	438438.830	1189988.400	1839702.300	1593848.500	2811279.300	1734835.400
σ		173.514	173.514	4833.670	621.943	6279.566	6123.398	7955.890	16359.678	6585.572
%RSD		0.604	0.604	0.276	0.142	0.528	0.333	0.499	0.582	0.380

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:30:45	1783152.900	2344680.100	5653067.300	1860025.600	1737731.900	4168569.300	1380300.600	8877939.700
2	03:31:53	1779701.800	2340772.800	5714832.400	1866248.600	1731582.500	4173860.000	1385779.200	8953012.400
3	03:33:02	1805041.000	2373218.700	5710543.200	1868953.100	1751393.400	4146881.500	1379419.800	8921426.800
x		1789298.600	2352890.600	5692814.300	1865075.800	1740235.900	4163103.600	1381833.200	8917459.600
σ		13742.120	17712.787	34488.649	4577.834	10140.042	14295.619	3445.620	37693.254
%RSD		0.768	0.753	0.606	0.245	0.583	0.343	0.249	0.423

Reviewed By:aswal
On:11/21/2011
12:36:57 PM
First Id :P8

CCB60 11/19/2011 03:37:31 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:38:39	33747.627	66.667	131.251	912.529	446122.860	8977.820	1253.180	1364.128	49325.634
2	03:39:48	34114.121	54.167	160.938	864.089	448039.270	8141.382	1025.037	1304.747	49436.955
3	03:40:56	34422.672	57.292	118.750	943.781	448477.710	6943.875	856.276	1100.042	48737.684
x		34094.807	59.375	136.980	906.800	447546.620	8021.025	1044.831	1256.306	49166.758
σ		337.937	6.505	21.670	40.154	1252.342	1022.300	199.191	138.547	375.735
%RSD		0.991	10.956	15.820	4.428	0.280	12.745	19.064	11.028	0.764

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:38:39	4581.985	3953.672	80883.013	932897.280	901833.700	101.563	2553.353	324201.520	193.751
2	03:39:48	4566.355	4089.648	80207.345	945575.850	906300.380	106.250	2600.237	329001.590	246.877
3	03:40:56	4256.884	3933.354	81071.578	939846.980	904439.370	107.813	2520.535	329509.990	189.064
x		4468.408	3992.225	80720.645	939440.040	904191.150	105.209	2558.041	327571.030	209.897
σ		183.352	84.980	454.420	6349.075	2243.659	3.253	40.057	2929.135	32.111
%RSD		4.103	2.129	0.563	0.676	0.248	3.092	1.566	0.894	15.298

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:38:39	28025.901	2750.265	9718.930	17279.194	1856.371	248793.040	3836.453	240.627	271.878
2	03:39:48	28503.407	2697.130	9734.566	17445.020	1704.789	247616.610	3828.638	171.876	273.440
3	03:40:56	28519.063	2720.572	9689.222	17044.537	1637.594	244706.170	3863.022	140.626	248.440
x		28349.457	2722.655	9714.239	17256.250	1732.918	247038.610	3842.704	184.376	264.586
σ		280.317	26.629	23.033	201.225	112.068	2103.854	18.024	51.159	14.005
%RSD		0.989	0.978	0.237	1.166	6.467	0.852	0.469	27.747	5.293

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:38:39	520.322	225.002	684.391	853.671	273.440	273.440	1885.541	82.813	95.313
2	03:39:48	525.010	226.564	620.326	785.959	264.065	264.065	1823.033	91.146	87.500
3	03:40:56	473.445	203.126	554.698	856.276	276.565	276.565	1899.605	85.417	82.292
x		506.259	218.231	619.805	831.969	271.357	271.357	1869.393	86.459	88.368
σ		28.514	13.104	64.848	39.867	6.505	6.505	40.760	4.263	6.554
%RSD		5.632	6.005	10.463	4.792	2.397	2.397	2.180	4.931	7.416

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:38:39	279.690	342.192	378.130	223.439	570.324	0.000	821212.950	364.067	139.063
2	03:39:48	193.751	225.002	267.190	139.063	412.506	4.688	824280.720	417.194	85.938
3	03:40:56	154.688	209.377	232.814	120.313	315.628	1.563	826002.590	425.006	84.375
x		209.377	258.857	292.711	160.938	432.819	2.083	823832.090	402.089	103.125
σ		63.949	72.592	75.945	54.933	128.557	2.387	2426.131	33.159	31.133
%RSD		30.543	28.043	25.945	34.133	29.702	114.564	0.294	8.247	30.189

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:38:39	6.250	6.250	125.001	40.625	1306.310	3422.285	115.625	187.501	1748282.100
2	03:39:48	6.250	6.250	82.813	34.375	1037.538	2486.154	78.125	159.376	1762215.500
3	03:40:56	3.125	3.125	48.438	28.125	901.591	1937.631	37.500	79.688	1757549.100
x		5.208	5.208	85.417	34.375	1081.813	2615.357	77.084	142.188	1756015.600
σ		1.804	1.804	38.348	6.250	205.960	750.712	39.073	55.924	7092.148
%RSD		34.641	34.641	44.895	18.182	19.038	28.704	50.689	39.331	0.404

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:38:39	1804200.300	501.571	1312.560	367.192	304.691	671.891	1419951.500	962.532
2	03:39:48	1801627.400	437.507	982.846	296.878	301.566	621.889	1427291.000	696.892
3	03:40:56	1813706.500	398.443	900.028	239.065	212.502	535.948	1423541.600	446.882
x		1806511.400	445.840	1065.145	301.045	272.919	609.909	1423594.700	702.102
σ		6362.548	52.067	218.233	64.165	52.347	68.759	3670.057	257.865
%RSD		0.352	11.678	20.489	21.314	19.180	11.274	0.258	36.728

Reviewed By/Initial
On 11/21/2011
12:38:57 PM
Rev Id 2P6

C4481-04 MB9TA2 11/19/2011 03:45:25 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:46:33	33866.658	49.479	328.129	1729.792	1259407.600	87196.554	11883.065	14202.369	65028.921
2	03:47:41	33913.645	51.563	287.503	1668.848	1254152.200	85610.441	11958.128	14619.977	65008.515
3	03:48:49	33943.403	45.833	317.191	1684.474	1258942.600	86361.819	11501.503	14302.469	65148.212
x		33907.902	48.958	310.941	1694.371	1257500.800	86389.605	11780.899	14374.938	65061.883
σ		38.693	2.900	21.022	31.655	2909.285	793.421	244.857	218.032	75.456
%RSD		0.114	5.923	6.761	1.868	0.231	0.918	2.078	1.517	0.116

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:46:33	17354.285	4411.619	81301.001	13294120.000	1040531.900	3348.830	59542.578	310111.020	320.316
2	03:47:41	16910.002	4375.670	80256.055	13260407.000	1021571.600	3442.602	59387.246	306416.950	371.880
3	03:48:49	17344.898	4388.174	80898.727	13386204.000	1016651.000	3401.968	58996.570	304247.890	318.754
x		17203.062	4391.821	80818.594	13313577.000	1026251.500	3397.800	59308.798	306925.290	336.983
σ		253.840	18.250	527.062	65116.552	12609.518	47.025	281.330	2964.435	30.232
%RSD		1.476	0.416	0.652	0.489	1.229	1.384	0.474	0.966	8.971

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:46:33	836137.750	9285.829	281789.540	29355.129	8077.283	393529.460	6637.479	203.126	835.962
2	03:47:41	960116.440	9703.294	323028.520	29369.221	7859.974	384836.450	6574.950	214.064	800.022
3	03:48:49	1044699.900	9923.758	351070.790	29455.335	8333.680	381137.690	6413.940	254.690	800.022
x		946984.700	9637.627	318629.620	29393.228	8090.312	386501.200	6542.123	223.960	812.002
σ		104899.360	323.994	34849.468	54.246	237.122	6361.410	115.329	27.169	20.750
%RSD		11.077	3.362	10.937	0.185	2.931	1.646	1.763	12.131	2.555

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:46:33	3570.759	1746.982	8213.298	17507.596	5910.597	5910.597	1691.767	85.417	69.792
2	03:47:41	3378.525	1826.679	8114.804	19873.710	6406.123	6406.123	1600.090	90.104	79.688
3	03:48:49	3378.525	1593.839	8102.297	21273.119	7059.556	7059.556	1529.248	86.979	89.584
x		3442.603	1722.500	8143.466	19551.475	6458.759	6458.759	1607.035	87.500	79.688
σ		110.986	118.335	60.798	1903.330	576.285	576.285	81.481	2.387	9.896
%RSD		3.224	6.870	0.747	9.735	8.923	8.923	5.070	2.728	12.418

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:46:33	220.314	187.501	176.564	115.625	234.377	1.563	766329.750	365.630	198.439
2	03:47:41	220.314	114.063	165.626	81.250	217.189	7.813	756901.180	321.879	203.126
3	03:48:49	210.939	107.813	170.314	96.875	196.876	1.563	740823.200	312.503	168.751
x		217.189	136.459	170.834	97.917	216.147	3.646	754684.710	333.337	190.105
σ		5.413	44.314	5.487	17.211	18.772	3.608	12896.925	28.356	18.641
%RSD		2.492	32.474	3.212	17.577	8.685	98.974	1.709	8.507	9.806

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:46:33	10.938	10.938	196.876	81.250	2257.991	2043.896	1243.804	2079.839	1673078.600
2	03:47:41	3.125	3.125	200.001	67.188	1906.377	1556.335	1148.484	2132.972	1653548.300
3	03:48:49	6.250	6.250	164.063	87.500	1612.591	1134.420	1287.558	2117.344	1617285.800
x		6.771	6.771	186.980	78.646	1925.653	1578.217	1226.615	2110.052	1647970.900
σ		3.932	3.932	19.908	10.404	323.131	455.133	71.113	27.307	28311.468
%RSD		58.076	58.076	10.647	13.229	16.780	28.838	5.797	1.294	1.718

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	03:46:33	1722659.800	1909.503	4475.701	4475.701	4099.025	9714.239	1360659.400	617.201
2	03:47:41	1698229.500	1343.813	3070.642	4458.508	4052.137	9701.731	1363707.000	600.013
3	03:48:49	1680209.800	1046.913	2434.582	4258.447	3992.745	9647.006	1349191.300	578.137
x		1700366.400	1433.410	3326.975	4397.552	4047.969	9687.659	1357852.600	598.450
σ		21305.551	438.219	1044.424	120.775	53.262	35.757	7654.078	19.579
%RSD		1.253	30.572	31.393	2.746	1.316	0.369	0.564	3.272

Reviewed By jeswal
On 11/21/2011
12:38:57 PM
Inst Id: P8

C4481-05 MB9TC1 11/19/2011 03:53:19 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	03:54:27	33287.174	65.104	1753.233	1886.062	75211913.000	18988882.000	2714290.400	3282783.400	325133.280
2	03:55:35	32616.880	54.167	1832.930	1915.753	75834714.000	19159749.000	2751380.800	3303933.800	329658.670
3	03:56:43	32809.508	53.125	1901.689	1909.503	75165480.000	18979001.000	2707954.300	3261239.500	325149.260
x		32904.521	57.465	1829.284	1903.773	75404035.000	19042544.000	2724541.800	3282652.200	326647.070
σ		345.100	6.636	74.295	15.653	373700.510	101622.630	23458.100	21347.452	2608.135
%RSD		1.049	11.548	4.061	0.822	0.496	0.534	0.861	0.650	0.798
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	03:54:27	2264137.300	21708.669	205996.450	10854536.000	12681316.000	231406.020	4021480.700	302229.150	1812.615
2	03:55:35	2268225.800	21613.212	206963.400	10912006.000	12571471.000	229151.360	3961298.100	297329.490	1889.187
3	03:56:43	2258769.900	21394.133	204550.900	10835379.000	12402188.000	225284.330	3942677.800	296578.170	1781.361
x		2263711.000	21572.005	205836.920	10867307.000	12551658.000	228613.910	3975152.200	298712.270	1827.721
σ		4742.341	161.266	1214.137	39878.079	140615.090	3096.032	41187.722	3068.785	55.478
%RSD		0.209	0.748	0.590	0.367	1.120	1.354	1.036	1.027	3.035
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	03:54:27	949268.460	17402.781	315789.650	307602.970	705886.360	5129179.900	126729.950	2811.214	4397.552
2	03:55:35	1038902.300	17923.737	346884.430	305622.070	702982.680	5085529.100	124286.750	2817.465	4306.899
3	03:56:43	1094913.800	17895.577	365877.650	301281.310	688181.220	5027247.400	124116.530	2864.350	4197.492
x		1027694.800	17740.698	342850.580	304835.450	699016.750	5080652.100	125044.410	2831.010	4300.648
σ		73466.624	292.983	25286.474	3233.407	9495.491	51140.969	1462.199	29.042	100.177
%RSD		7.149	1.651	7.375	1.061	1.358	1.007	1.169	1.026	2.329
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	03:54:27	15126.754	7342.511	23763.498	20187.170	6154.450	6154.450	1557.377	100.000	86.979
2	03:55:35	14960.955	7340.948	23627.335	22370.627	6862.585	6862.585	1685.516	116.146	84.375
3	03:56:43	14768.567	7272.163	23447.351	23373.794	7281.543	7281.543	1576.129	117.188	71.875
x		14952.092	7318.541	23612.728	21977.197	6766.193	6766.193	1606.340	111.112	81.077
σ		179.258	40.172	158.579	1629.335	569.695	569.695	69.206	9.637	8.074
%RSD		1.199	0.549	0.672	7.414	8.420	8.420	4.308	8.673	9.959
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	03:54:27	1426.634	1590.714	1854.808	1096.917	2787.772	4.688	730235.940	335.941	151.563
2	03:55:35	1407.882	1636.031	1801.676	1075.040	2719.009	4.688	713668.430	304.691	181.251
3	03:56:43	1276.620	1584.463	1973.574	978.158	2659.623	3.125	710904.350	257.815	142.188
x		1370.378	1603.736	1876.686	1050.039	2722.134	4.167	718269.580	299.482	158.334
σ		81.737	28.143	88.012	63.204	64.132	0.902	10454.923	39.323	20.393
%RSD		5.965	1.755	4.690	6.019	2.356	21.651	1.456	13.130	12.880
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	03:54:27	17.188	17.188	128.126	148.438	1746.982	2858.098	59686.929	105269.250	1635270.800
2	03:55:35	15.625	15.625	146.876	170.314	1904.815	2940.928	59473.541	104781.300	1641832.000
3	03:56:43	23.438	23.438	135.938	171.876	1712.603	2747.139	58706.315	103563.090	1614528.200
x		18.750	18.750	136.980	163.543	1788.133	2848.722	59288.928	104537.880	1630543.700
σ		4.134	4.134	9.418	13.104	102.501	97.234	515.715	878.738	14252.503
%RSD		22.048	22.048	6.876	8.013	5.732	3.413	0.870	0.841	0.874
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	03:54:27	1702033.900	582.824	1442.260	31169.905	27114.770	65772.940	1335439.600	8837.108	
2	03:55:35	1680836.900	579.699	1242.242	31434.547	27111.640	65170.187	1333294.600	8808.965	
3	03:56:43	1675158.800	437.507	1156.297	31129.192	26856.471	65724.279	1321035.100	8604.153	
x		1686009.900	533.343	1280.266	31244.548	27027.627	65555.802	1329923.100	8750.075	
σ		14164.652	83.012	146.725	165.798	148.234	334.838	7771.594	127.153	
%RSD		0.840	15.564	11.460	0.531	0.548	0.511	0.584	1.453	

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P8

C4481-06 MB9TC1D 11/19/2011 04:01:13 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:02:21	32760.959	55.208	1767.297	1571.961	74464753.000	18873209.000	2679531.400	3253942.000	321585.570
2	04:03:30	32486.897	55.729	1898.564	1561.023	74994263.000	19072072.000	2718819.300	3278791.700	323223.480
3	04:04:38	32529.181	53.125	1840.744	1673.536	74940251.000	18950985.000	2703035.000	3275744.500	323252.240
x		32592.346	54.688	1835.535	1602.173	74799756.000	18965422.000	2700461.900	3269492.700	322687.100
σ		147.546	1.378	65.788	62.043	291375.370	100214.200	19769.941	13553.258	954.061
%RSD		0.453	2.520	3.584	3.872	0.390	0.528	0.732	0.415	0.296
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:02:21	2227090.400	20830.801	203300.430	13609611.000	12192501.000	222775.130	3844835.000	295231.970	1878.248
2	04:03:30	2251346.800	21425.430	202322.630	13840953.000	12189909.000	222837.020	3883613.700	290878.390	1842.306
3	04:04:38	2243032.900	20790.117	205253.050	13967724.000	12221538.000	222356.180	3899336.100	292728.100	1851.682
x		2240490.000	21015.449	203625.370	13806096.000	12201316.000	222656.110	3875928.300	292946.150	1857.412
σ		12326.520	355.636	1491.990	181583.330	17560.789	261.585	28051.612	2184.965	18.644
%RSD		0.550	1.692	0.733	1.315	0.144	0.117	0.724	0.746	1.004
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:02:21	1279340.800	14085.065	425939.390	295884.320	678532.600	4905699.500	120881.150	2662.748	3270.687
2	04:03:30	1404958.100	14444.799	470899.340	295876.340	681025.230	4943385.100	120271.350	2640.869	3251.933
3	04:04:38	1508180.600	14973.468	501078.510	298457.330	681873.680	4947241.000	121483.100	2592.423	3339.453
x		1397493.100	14501.111	465972.420	296739.330	680477.170	4932108.600	120878.530	2632.013	3287.357
σ		114602.380	446.870	37811.081	1487.837	1736.657	22952.014	605.880	35.989	46.080
%RSD		8.201	3.082	8.114	0.501	0.255	0.465	0.501	1.367	1.402
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:02:21	12827.632	6237.299	20380.152	27437.260	8627.604	8627.604	1576.129	126.042	94.271
2	04:03:30	12955.872	6109.118	20591.392	30218.385	9570.392	9570.392	1538.624	101.563	84.896
3	04:04:38	12339.702	5954.366	20635.205	31782.711	10020.701	10020.701	1537.583	116.667	68.750
x		12707.735	6100.261	20535.583	29812.786	9406.233	9406.233	1550.779	114.757	82.639
σ		325.112	141.674	136.378	2200.936	710.908	710.908	21.960	12.351	12.909
%RSD		2.558	2.322	0.664	7.383	7.558	7.558	1.416	10.763	15.621
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:02:21	1378.191	1721.979	1893.876	1057.852	2770.581	1.563	701219.420	326.566	134.376
2	04:03:30	1473.514	1620.404	1965.760	1042.226	2737.762	1.563	694130.830	340.629	134.376
3	04:04:38	1339.125	1653.221	1882.937	989.097	2737.762	0.000	687773.200	292.190	170.314
x		1396.943	1665.201	1914.191	1029.725	2748.702	1.042	694374.480	319.795	146.355
σ		69.129	51.836	44.994	36.042	18.948	0.902	6726.423	24.919	20.749
%RSD		4.949	3.113	2.351	3.500	0.689	86.603	0.969	7.792	14.177
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:02:21	29.688	29.688	109.375	176.564	1531.332	2578.358	57669.292	101252.870	1607902.200
2	04:03:30	20.313	20.313	131.251	168.751	1421.946	2701.818	56597.832	100728.870	1591720.700
3	04:04:38	9.375	9.375	132.813	142.188	1471.951	2593.985	57022.955	100621.870	1577009.200
x		19.792	19.792	124.480	162.501	1475.076	2624.720	57096.693	100867.870	1592210.700
σ		10.166	10.166	13.104	18.020	54.760	67.224	539.522	337.683	15452.313
%RSD		51.366	51.366	10.527	11.089	3.712	2.561	0.945	0.335	0.970
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	04:02:21	1680046.900	407.818	1051.601	30626.544	26483.901	64812.315	1305087.900	8414.978	
2	04:03:30	1648857.500	387.505	967.220	30338.431	26317.970	65192.162	1303295.800	8638.549	
3	04:04:38	1634429.000	379.693	796.897	30909.966	26087.861	64305.344	1292665.400	8599.462	
x		1654444.500	391.672	938.573	30624.980	26296.577	64769.940	1300349.700	8550.996	
σ		23316.463	14.518	129.746	285.771	198.685	444.925	6714.846	119.406	
%RSD		1.409	3.707	13.824	0.933	0.756	0.687	0.516	1.396	

Reviewed By/esw
Date 1/21/2011
12:38:57 PM
Inst Id ICP6

C4481-05LX5 MB9TC1L 11/19/2011 04:09:08 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:10:16	29427.152	53.646	365.630	945.344	14149677.000	3501327.700	486740.680	593351.290	98225.595
2	04:11:24	29582.159	57.813	346.879	975.033	14377399.000	3577187.300	493239.220	604074.460	99319.054
3	04:12:32	30172.455	52.083	362.505	1053.164	14202947.000	3516912.900	485834.030	598395.930	99086.195
x		29727.255	54.514	358.338	991.180	14243341.000	3531809.300	488604.640	598607.230	98876.948
σ		393.266	2.962	10.046	55.694	119113.660	40063.657	4039.182	5364.704	575.979
%RSD		1.323	5.433	2.803	5.619	0.836	1.134	0.827	0.896	0.583

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:10:16	426250.020	6771.917	97391.790	2836400.600	3022550.100	42944.138	726244.690	282364.800	500.009
2	04:11:24	432914.750	6582.766	99254.545	2879923.300	3061073.900	43469.159	730804.560	281818.230	468.758
3	04:12:32	426085.850	6635.916	98449.000	2835110.500	3036219.100	43160.413	726085.320	285933.170	512.509
x		428416.870	6663.533	98365.112	2850478.100	3039947.700	43191.237	727711.520	283372.070	493.759
σ		3896.140	97.553	934.206	25508.428	19530.681	263.865	2679.835	2234.754	22.535
%RSD		0.909	1.464	0.950	0.895	0.642	0.611	0.368	0.789	4.564

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:10:16	401331.120	6834.447	132477.050	70983.730	134934.260	1158369.800	26939.439	601.575	1068.790
2	04:11:24	390767.680	6795.366	129493.630	71407.710	138041.860	1172782.200	27620.425	626.576	1000.035
3	04:12:32	378771.300	6554.628	126428.860	70889.513	135372.750	1158958.500	27034.932	639.077	1106.293
x		390290.030	6728.147	129466.510	71093.651	136116.290	1163370.200	27198.265	622.409	1058.373
σ		11287.494	151.537	3024.184	276.032	1681.945	8156.339	368.706	19.095	53.889
%RSD		2.892	2.252	2.336	0.388	1.236	0.701	1.356	3.068	5.092

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:10:16	3798.943	1829.805	4899.278	9716.845	3044.074	3044.074	1502.683	73.959	76.563
2	04:11:24	3942.731	1909.503	5069.649	9354.624	3042.512	3042.512	1514.143	88.021	78.646
3	04:12:32	3888.029	1920.442	4918.034	9082.053	2956.556	2956.556	1473.514	88.542	71.354
x		3876.568	1886.583	4962.320	9384.507	3014.381	3014.381	1496.780	83.507	75.521
σ		72.576	49.475	93.422	318.450	50.084	50.084	20.948	8.273	3.756
%RSD		1.872	2.622	1.883	3.393	1.661	1.661	1.400	9.908	4.973

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:10:16	289.065	365.630	412.506	267.190	614.076	1.563	705489.320	287.503	103.125
2	04:11:24	300.003	435.944	400.006	242.190	681.266	6.250	709849.090	326.566	168.751
3	04:12:32	337.504	392.193	407.818	215.627	612.513	1.563	712227.240	346.879	123.438
x		308.858	397.922	406.777	241.669	635.952	3.125	709188.550	320.316	131.771
σ		25.404	35.506	6.315	25.786	39.251	2.706	3417.180	30.178	33.597
%RSD		8.225	8.923	1.552	10.670	6.172	86.603	0.482	9.421	25.496

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:10:16	4.688	4.688	98.438	32.813	435.944	626.576	11446.772	20567.921	1592986.800
2	04:11:24	3.125	3.125	98.438	39.063	429.694	615.638	11969.074	20503.766	1597970.300
3	04:12:32	9.375	9.375	117.188	46.875	443.757	623.451	11843.970	20373.893	1617877.200
x		5.729	5.729	104.688	39.583	436.465	621.889	11753.272	20481.860	1602944.800
σ		3.253	3.253	10.825	7.046	7.046	5.634	272.708	98.851	13169.751
%RSD		56.773	56.773	10.341	17.800	1.614	0.906	2.320	0.483	0.822

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:10:16	1654013.400	190.626	451.570	6257.620	5676.127	13503.254	1337831.400	1786.049
2	04:11:24	1661182.800	217.189	526.572	6362.354	5733.963	13822.309	1335040.700	1873.560
3	04:12:32	1671858.400	226.564	464.070	6224.793	5390.079	13622.117	1348831.500	1846.994
x		1662351.500	211.460	480.737	6281.589	5600.056	13649.226	1340567.900	1835.535
σ		8979.699	18.641	40.183	71.844	184.131	161.246	7291.293	44.867
%RSD		0.540	8.816	8.359	1.144	3.288	1.181	0.544	2.444

C4481-07 MB9TC1S 11/19/2011 04:17:02 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:18:10	33006.837	18183.440	2100.154	1731.355	84980617.000	21228506.000	3017951.800	3656822.300	8851398.900
2	04:19:18	32926.965	18250.192	2140.785	1837.618	84888306.000	21558454.000	3066855.300	3703924.400	8923668.100
3	04:20:26	33052.254	18410.814	2040.771	1770.422	85865671.000	21562049.000	3068405.800	3724580.000	8967066.600
x		32995.352	18281.482	2093.903	1779.798	85244865.000	21449670.000	3051071.000	3695108.900	8914044.500
σ		63.429	116.872	50.299	53.749	539611.580	191541.990	28592.540	34728.368	58431.301
%RSD		0.192	0.639	2.402	3.020	0.633	0.893	0.940	0.940	0.655
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:18:10	2525362.000	23211.029	219511.120	16249624.000	13724279.000	252701.370	4348398.700	290253.370	2125.158
2	04:19:18	2547608.500	23641.421	222180.030	16723724.000	13740721.000	254423.730	4398769.000	289945.650	2047.022
3	04:20:26	2564967.100	23425.441	224011.430	16854463.000	13807052.000	255207.840	4383936.300	291374.280	1984.513
x		2545979.200	23425.963	221900.860	16609270.000	13757351.000	254110.980	4377034.600	290524.430	2052.231
σ		19852.756	215.197	2263.104	318248.950	43820.865	1282.169	25884.691	751.899	70.467
%RSD		0.780	0.919	1.020	1.916	0.319	0.505	0.591	0.259	3.434
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:18:10	6378943.500	1823996.700	667563.190	1109519.300	7878343.900	17425559.000	428822.180	5520088.000	1158506.800
2	04:19:18	6732042.900	1842683.900	751895.390	1107271.700	7939084.600	17543412.000	431670.110	5523707.800	1163606.700
3	04:20:26	6949608.200	1831475.200	821550.290	1108750.400	7975218.700	17652519.000	435159.550	5545050.400	1165094.400
x		6686864.900	1832718.600	747002.960	1108513.800	7930882.400	17540497.000	431883.950	5529615.400	1162402.700
σ		288002.340	9405.452	77110.045	1142.299	48955.511	113508.130	3174.096	13489.090	3454.902
%RSD		4.307	0.513	10.323	0.103	0.617	0.647	0.735	0.244	0.297
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:18:10	1465719.400	723501.230	1239171.000	114837.320	21170.362	21170.362	37950.863	15691.425	76.042
2	04:19:18	1469845.600	727616.610	1238046.700	118493.560	22381.582	22381.582	38093.952	15289.949	75.000
3	04:20:26	1464529.600	723573.510	1248236.500	121381.720	23303.366	23303.366	38151.396	15453.145	67.708
x		1466698.200	724897.110	1241818.000	118237.540	22285.103	22285.103	38065.404	15478.173	72.917
σ		2789.889	2355.428	5586.905	3279.703	1069.770	1069.770	103.270	201.905	4.541
%RSD		0.190	0.325	0.450	2.774	4.800	4.800	0.271	1.304	6.227
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:18:10	2261.116	1928.255	2290.809	1301.622	3280.064	17.188	680070.380	12937.105	534736.650
2	04:19:18	2223.610	1925.130	2197.044	1242.242	3086.271	10.938	682810.630	12693.137	539384.710
3	04:20:26	2045.459	1967.323	2211.109	1253.180	3150.347	25.000	683524.850	12788.534	542230.060
x		2176.729	1940.236	2232.987	1265.681	3172.227	17.708	682135.290	12806.259	538783.810
σ		115.219	23.510	50.566	31.602	98.732	7.046	1823.565	122.946	3782.675
%RSD		5.293	1.212	2.265	2.497	3.112	39.788	0.267	0.960	0.702
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:18:10	9252.996	9252.996	518561.110	142854.460	1814.178	1179049.100	4065212.400	7043060.900	1558283.800
2	04:19:18	9510.978	9510.978	525427.160	143207.970	1800.113	1188312.000	4125238.900	7087949.200	1547294.100
3	04:20:26	9340.553	9340.553	519954.150	142980.710	1689.162	1183200.300	4115884.400	6972074.600	1544118.700
x		9368.175	9368.175	521314.140	143014.380	1767.818	1183520.500	4102111.900	7034361.600	1549898.800
σ		131.190	131.190	3629.439	179.145	68.480	4639.764	32296.365	58425.072	7433.101
%RSD		1.400	1.400	0.696	0.125	3.874	0.392	0.787	0.831	0.480
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	04:18:10	1616991.000	772199.110	1865083.600	297914.930	257334.550	623113.480	1254291.800	9387.458	
2	04:19:18	1618102.200	779140.910	1872534.400	299604.410	252846.090	619410.680	1279901.900	9443.745	
3	04:20:26	1625595.000	778633.060	1874324.500	298698.230	254587.550	620103.860	1284366.200	9450.000	
x		1620229.400	776657.690	1870647.500	298739.190	254922.730	620876.010	1272853.300	9427.068	
σ		4679.790	3869.584	4900.919	845.481	2262.925	1968.460	16228.988	34.445	
%RSD		0.289	0.498	0.262	0.283	0.888	0.317	1.275	0.365	

Reviewed By:Jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P8

C4481-07X10 MB9TC1S 11/19/2011 04:24:57 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:26:05	29068.607	1697.497	223.439	837.525	8224043.700	1990152.200	275953.830	338870.490	880711.010
2	04:27:13	29364.524	1665.201	235.939	839.087	8176591.800	2000549.600	275211.600	339102.460	887401.930
3	04:28:21	29192.296	1731.876	250.002	845.338	8157704.000	1989441.900	274875.530	337563.530	877269.590
x		29208.476	1698.191	236.460	840.650	8186113.200	1993381.200	275346.990	338512.160	881794.180
σ		148.620	33.343	13.289	4.134	34179.397	6218.122	551.755	829.687	5152.284
%RSD		0.509	1.963	5.620	0.492	0.418	0.312	0.200	0.245	0.584

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:26:05	247551.440	5113.415	86896.295	2464315.400	2034947.400	25169.027	413926.720	276973.280	378.130
2	04:27:13	246966.440	5222.830	86998.477	2437052.900	2052078.600	24931.111	412185.260	280132.430	373.442
3	04:28:21	244264.330	4939.916	87845.826	2428849.800	2030754.200	24450.594	411707.720	276683.370	337.504
x		246260.730	5092.054	87246.865	2443406.000	2039260.100	24850.244	412606.570	277929.690	363.025
σ		1753.508	142.661	521.225	18566.773	11297.453	365.980	1167.959	1913.125	22.226
%RSD		0.712	2.802	0.597	0.760	0.554	1.473	0.283	0.688	6.122

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:26:05	875717.640	188434.620	152454.480	125068.530	799771.350	1989590.900	46668.291	557238.220	119053.400
2	04:27:13	858192.820	187389.760	148465.920	124866.770	792768.630	1979015.000	46586.775	557912.220	119741.930
3	04:28:21	843015.440	189482.730	142145.880	123952.610	786506.650	1970006.800	45873.535	558082.750	118706.780
x		858975.300	188435.700	147688.760	124629.300	793015.540	1979537.600	46376.200	557744.400	119167.370
σ		16365.136	1046.481	5198.057	594.650	6635.794	9802.492	437.225	416.575	526.901
%RSD		1.905	0.555	3.520	0.477	0.837	0.495	0.943	0.080	0.442

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:26:05	153037.220	75641.918	126967.980	18341.454	4330.344	4330.344	5024.842	1602.694	78.125
2	04:27:13	152009.140	75579.087	128098.320	17887.755	4067.767	4067.767	5092.053	1577.170	67.188
3	04:28:21	150812.180	75356.038	127194.990	17253.121	3997.434	3997.434	5170.727	1624.051	72.917
x		151952.850	75525.681	127420.430	17827.443	4131.848	4131.848	5095.874	1601.305	72.743
σ		1113.587	150.236	597.941	546.668	175.462	175.462	73.018	23.471	5.471
%RSD		0.733	0.199	0.469	3.066	4.247	4.247	1.433	1.466	7.521

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:26:05	292.190	218.752	331.254	148.438	429.694	6.250	697973.950	1675.098	54635.527
2	04:27:13	282.815	257.815	268.753	151.563	435.944	4.688	693722.640	1484.452	55462.141
3	04:28:21	282.815	237.502	281.253	168.751	404.693	3.125	700761.830	1579.775	55408.809
x		285.940	238.023	293.753	156.251	423.444	4.688	697486.140	1579.775	55168.826
σ		5.413	19.537	33.073	10.938	16.536	1.563	3544.861	95.323	462.619
%RSD		1.893	8.208	11.259	7.000	3.905	33.333	0.508	6.034	0.839

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:26:05	926.593	926.593	53296.107	14616.849	343.754	119633.210	415230.950	727076.040	1576412.500
2	04:27:13	864.089	864.089	53906.202	14480.773	334.379	119589.090	413841.500	740683.410	1571707.400
3	04:28:21	906.279	906.279	53830.919	14640.311	317.191	120644.790	413939.590	731858.050	1591689.400
x		898.987	898.987	53677.742	14579.311	331.775	119955.700	414337.350	733205.830	1579936.400
σ		31.884	31.884	332.643	86.139	13.472	597.178	775.439	6903.078	10446.691
%RSD		3.547	3.547	0.620	0.591	4.060	0.498	0.187	0.941	0.661

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:26:05	1627054.100	82375.882	197976.440	31368.777	27075.634	65818.461	1321057.300	1160.985
2	04:27:13	1645288.400	83485.420	198313.880	31522.239	27059.979	65319.303	1332498.700	1121.919
3	04:28:21	1657577.600	82782.912	197471.080	31556.690	27122.598	65389.938	1329616.500	1173.486
x		1643306.700	82881.405	197920.460	31482.569	27086.070	65509.234	1327724.200	1152.130
σ		15357.903	561.288	424.181	100.041	32.588	270.117	5950.797	26.900
%RSD		0.935	0.677	0.214	0.318	0.120	0.412	0.448	2.335

Reviewed By:rajwal
On:11/21/2011
12:38:57 PM
mist to P5

C4481-08 MB9TE9 11/19/2011 04:32:52 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:34:00	31907.468	60.417	1750.107	1492.265	69708449.000	18553281.000	2638012.500	3196663.900	910939.770
2	04:35:08	31422.019	56.771	1754.795	1587.588	70590732.000	18785467.000	2672492.600	3245677.500	917180.050
3	04:36:16	31935.656	58.333	1851.682	1642.282	70177210.000	18793593.000	2663512.800	3208920.100	914768.490
x		31755.048	58.507	1785.528	1574.045	70158797.000	18710780.000	2658006.000	3217087.200	914296.100
σ		288.756	1.829	57.339	75.920	441429.720	136458.720	17887.523	25507.010	3146.845
%RSD		0.909	3.126	3.211	4.823	0.629	0.729	0.673	0.793	0.344
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:34:00	2334736.700	21272.076	194461.460	10951926.000	11808613.000	215970.260	3745238.200	289547.060	4302.210
2	04:35:08	2362350.700	21272.076	196595.050	11144930.000	11907767.000	217608.910	3777763.500	287909.780	4100.588
3	04:36:16	2352666.400	21491.153	196211.710	11198044.000	11922039.000	216803.050	3779466.600	286349.190	4395.989
x		2349917.900	21345.102	195756.080	11098300.000	11879473.000	216794.070	3767489.400	287935.340	4266.262
σ		14010.634	126.484	1137.435	129515.450	61780.032	819.361	19288.952	1599.089	150.945
%RSD		0.596	0.593	0.581	1.167	0.520	0.378	0.512	0.555	3.538
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:34:00	990257.590	28293.616	333769.680	441324.090	924137.330	7380535.900	183704.870	4241.255	5404.147
2	04:35:08	1129669.700	28949.616	377297.110	449124.110	927836.230	7399278.000	183005.350	4122.470	5418.215
3	04:36:16	1233667.600	29380.181	412487.550	445684.490	924129.000	7334547.400	181794.730	4059.952	5527.632
x		1117865.000	28874.471	374518.110	445377.570	925367.520	7371453.700	182834.980	4141.225	5449.998
σ		122133.630	547.166	39432.446	3909.061	2137.968	33307.302	966.400	92.095	67.600
%RSD		10.926	1.895	10.529	0.878	0.231	0.452	0.529	2.224	1.240
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:34:00	12754.128	6160.703	20353.552	22321.070	7006.405	7006.405	1532.374	112.500	68.229
2	04:35:08	12888.624	6170.082	20244.021	25514.431	8110.114	8110.114	1474.034	101.563	73.959
3	04:36:16	12569.590	6173.208	20120.409	27201.915	8680.762	8680.762	1508.934	115.625	89.584
x		12737.447	6167.998	20239.327	25012.472	7932.427	7932.427	1505.114	109.696	77.257
σ		160.170	6.508	116.642	2478.837	851.203	851.203	29.357	7.384	11.053
%RSD		1.257	0.105	0.576	9.910	10.731	10.731	1.950	6.719	14.306
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:34:00	1787.612	1820.429	2039.208	1137.545	2972.184	9.375	690280.520	310.941	257.815
2	04:35:08	1667.285	1818.866	1975.137	1123.482	2845.596	7.813	683120.230	287.503	223.439
3	04:36:16	1636.031	1750.107	2001.703	1131.295	2995.626	4.688	684805.940	315.628	245.315
x		1696.976	1796.467	2005.349	1130.774	2937.802	7.292	686068.890	304.691	242.190
σ		80.033	40.157	32.191	7.046	80.709	2.387	3743.492	15.069	17.400
%RSD		4.716	2.235	1.605	0.623	2.747	32.733	0.546	4.946	7.184
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:34:00	15.625	15.625	193.751	139.063	1192.237	2811.214	62039.105	109006.490	1590230.100
2	04:35:08	18.750	18.750	196.876	106.250	1189.112	2778.395	60802.556	106821.330	1584941.000
3	04:36:16	25.000	25.000	212.502	154.688	1201.613	2847.159	60827.663	106714.280	1580349.900
x		19.792	19.792	201.043	133.334	1194.321	2812.256	61223.108	107514.030	1585173.700
σ		4.774	4.774	10.046	24.722	6.506	34.394	706.786	1293.614	4944.217
%RSD		24.119	24.119	4.997	18.541	0.545	1.223	1.154	1.203	0.312
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	04:34:00	1655242.700	1084.416	2664.311	27045.890	22696.140	56298.214	1301360.400	8804.275	
2	04:35:08	1647527.300	1060.977	2465.838	26828.293	23048.265	56986.874	1309983.600	8774.569	
3	04:36:16	1658021.800	842.212	2143.911	26906.565	23173.468	57341.413	1298525.300	8738.609	
x		1653597.300	995.868	2424.686	26926.916	22972.624	56875.500	1303289.800	8772.484	
σ		5437.303	133.585	262.629	110.217	247.491	530.443	5967.823	32.882	
%RSD		0.329	13.414	10.831	0.409	1.077	0.933	0.458	0.375	

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
net Id :P6

C4481-09 MB9TF1 11/19/2011 04:40:47 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:41:55	30438.643	53.646	1640.719	1787.612	70899932.000	18034201.000	2569844.300	3108959.000	326434.320
2	04:43:03	30639.071	55.729	1759.483	1795.425	71583602.000	18269486.000	2601758.700	3176413.100	332181.740
3	04:44:11	31483.091	52.083	1657.909	1859.496	71458382.000	18050593.000	2585249.300	3118111.800	329000.000
x		30853.602	53.820	1686.037	1814.178	71313972.000	18118093.000	2585617.500	3134494.600	329205.350
σ		554.288	1.829	64.184	39.441	363994.350	131365.890	15960.412	36589.761	2879.207
%RSD		1.797	3.399	3.807	2.174	0.510	0.725	0.617	1.167	0.875
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:41:55	2143928.800	21234.520	194407.610	7418967.500	11822041.000	217811.970	3778297.300	280882.890	1781.361
2	04:43:03	2176773.100	20935.642	198134.860	7540943.000	11969121.000	220263.190	3841123.600	279544.520	1803.239
3	04:44:11	2170263.700	21042.048	198888.980	7536147.700	11803574.000	217140.930	3786241.200	281062.940	1915.753
x		2163655.200	21070.737	197143.820	7498686.100	11864912.000	218405.370	3801887.400	280496.780	1833.451
σ		17390.860	151.490	2399.436	69079.969	90718.462	1643.535	34210.946	829.585	72.110
%RSD		0.804	0.719	1.217	0.921	0.765	0.753	0.900	0.296	3.933
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:41:55	813289.330	13842.641	270130.040	272316.270	624722.130	4504875.100	111949.430	2626.804	3839.578
2	04:43:03	883027.330	14360.339	291737.840	274987.020	635625.120	4581321.100	114883.530	2534.600	3798.943
3	04:44:11	910087.970	13930.226	304324.490	270795.590	625702.740	4513755.700	110891.230	2636.181	3905.221
x		868801.540	14044.402	288730.790	272699.630	628683.330	4533317.300	112574.730	2599.195	3847.914
σ		49942.704	277.092	17294.420	2121.850	6031.732	41808.982	2068.299	56.137	53.627
%RSD		5.748	1.973	5.990	0.778	0.959	0.922	1.837	2.160	1.394
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:41:55	13583.017	6753.158	24279.991	18888.521	5751.157	5751.157	1533.937	110.938	72.917
2	04:43:03	13991.223	6790.676	24696.328	20160.048	6473.341	6473.341	1474.034	123.438	77.084
3	04:44:11	13440.695	6737.526	24264.339	20709.792	6443.640	6443.640	1502.162	120.834	82.813
x		13671.645	6760.453	24413.553	19919.454	6222.713	6222.713	1503.378	118.403	77.604
σ		285.765	27.316	245.016	934.169	408.649	408.649	29.970	6.595	4.968
%RSD		2.090	0.404	1.004	4.690	6.567	6.567	1.993	5.570	6.402
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:41:55	1918.879	1539.145	1951.696	1053.164	2664.311	3.125	680429.060	320.316	137.501
2	04:43:03	1925.130	1607.903	2017.330	1089.104	2754.953	10.938	677679.440	292.190	126.563
3	04:44:11	1903.252	1564.148	1843.869	1009.411	2595.548	9.375	689341.450	314.066	125.001
x		1915.753	1570.399	1937.632	1050.560	2671.604	7.813	682483.320	308.858	129.688
σ		11.269	34.802	87.582	39.910	79.952	4.134	6096.360	14.768	6.811
%RSD		0.588	2.216	4.520	3.799	2.993	52.915	0.893	4.782	5.252
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:41:55	21.875	21.875	123.438	151.563	2118.907	2214.234	56351.549	100033.390	1589007.800
2	04:43:03	15.625	15.625	135.938	153.126	2114.219	2301.748	57305.331	101087.640	1563301.000
3	04:44:11	23.438	23.438	115.625	137.501	1995.452	2078.276	56530.378	98870.647	1592612.300
x		20.313	20.313	125.001	147.397	2076.193	2198.086	56729.086	99997.226	1581640.400
σ		4.134	4.134	10.246	8.606	69.963	112.608	506.990	1108.941	15984.286
%RSD		20.352	20.352	8.197	5.838	3.370	5.123	0.894	1.109	1.011
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	04:41:55	1634776.600	526.572	1273.494	27142.949	23704.025	57344.551	1302684.300	8690.142	
2	04:43:03	1641342.800	529.697	1289.121	26908.130	23788.540	58023.848	1292890.800	8804.275	
3	04:44:11	1663894.700	515.634	1292.246	26721.844	23400.400	57699.099	1321337.800	8930.916	
x		1646671.400	523.968	1284.954	26924.308	23630.988	57689.166	1305637.600	8808.444	
σ		15272.911	7.384	10.046	211.018	204.118	339.757	14451.646	120.441	
%RSD		0.928	1.409	0.782	0.784	0.864	0.589	1.107	1.367	

C4481-10 MB9TG3 11/19/2011 04:48:43 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:49:51	31625.593	64.063	1911.065	1542.271	76219049.000	19540608.000	2766707.700	3337284.100	904978.190
2	04:50:59	32012.390	53.646	1812.615	1648.533	76878835.000	19462746.000	2783094.400	3354892.600	919923.280
3	04:52:07	31777.492	61.458	1812.615	1645.407	77498757.000	19781770.000	2796525.000	3357917.300	916867.140
x		31805.158	59.722	1845.432	1612.070	76865547.000	19595041.000	2782109.100	3350031.300	913922.870
σ		194.877	5.421	56.840	60.468	639957.440	166331.830	14933.060	11142.506	7895.596
%RSD		0.613	9.077	3.080	3.751	0.833	0.849	0.537	0.333	0.864
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:49:51	2506016.200	24048.349	206467.240	13000926.000	12377285.000	230391.380	3970411.300	283341.670	4258.447
2	04:50:59	2519400.700	24253.383	206040.840	13198458.000	12352370.000	228871.940	4011706.600	283386.290	4356.914
3	04:52:07	2516056.000	24074.957	207416.780	13267393.000	12354334.000	227562.200	3954294.800	280718.770	4305.336
x		2513827.600	24125.563	206641.620	13155592.000	12361330.000	228941.840	3978804.300	282482.240	4306.899
σ		6967.306	111.492	704.354	138308.580	13852.441	1415.886	29611.806	1527.376	49.252
%RSD		0.277	0.462	0.341	1.051	0.112	0.618	0.744	0.541	1.144
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:49:51	1377938.100	120042.880	471580.640	455841.300	727485.160	7474541.700	183595.660	3691.102	8630.731
2	04:50:59	1533939.000	120918.970	528563.160	454762.400	720462.670	7397316.400	184432.910	3662.970	8583.828
3	04:52:07	1657068.600	121640.680	567156.380	451560.060	719063.500	7485142.000	184874.500	3566.070	8485.332
x		1522981.900	120867.510	522433.390	454054.590	722337.110	7452333.400	184301.020	3640.047	8566.630
σ		139887.480	800.145	48081.813	2226.655	4512.896	47939.979	649.538	65.592	74.210
%RSD		9.185	0.662	9.203	0.490	0.625	0.643	0.352	1.802	0.866
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:49:51	14538.644	7097.075	21375.355	30349.391	9590.718	9590.718	1498.516	127.605	67.708
2	04:50:59	14080.373	7151.790	21353.447	33521.575	10907.287	10907.287	1492.265	107.813	75.521
3	04:52:07	14361.903	7097.075	21743.097	35332.180	10891.650	10891.650	1433.405	108.334	69.792
x		14326.973	7115.313	21490.633	33067.716	10463.219	10463.219	1474.729	114.584	71.007
σ		231.124	31.590	218.914	2522.209	755.648	755.648	35.924	11.279	4.046
%RSD		1.613	0.444	1.019	7.627	7.222	7.222	2.436	9.844	5.697
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:49:51	2318.938	1948.570	2511.158	1254.743	3255.058	7.813	664752.180	285.940	184.376
2	04:50:59	2339.254	2053.273	2439.271	1259.430	3380.087	6.250	668181.750	317.191	214.064
3	04:52:07	2350.193	1973.574	2373.635	1303.184	3217.550	7.813	664294.090	282.815	228.127
x		2336.128	1991.806	2441.354	1272.453	3284.232	7.292	665742.670	295.316	208.856
σ		15.860	54.680	68.785	26.718	85.105	0.902	2124.683	19.009	22.336
%RSD		0.679	2.745	2.818	2.100	2.591	12.372	0.319	6.437	10.694
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:49:51	29.688	29.688	178.126	98.438	7964.720	2484.591	60328.678	106391.580	1565658.100
2	04:50:59	26.563	26.563	192.189	132.813	7875.608	2403.327	59525.319	105513.220	1544214.200
3	04:52:07	20.313	20.313	178.126	139.063	8021.001	2364.258	59558.268	105746.190	1538873.600
x		25.521	25.521	182.814	123.438	7953.776	2417.392	59804.089	105883.660	1549582.000
σ		4.774	4.774	8.119	21.875	73.312	61.387	454.607	455.028	14176.159
%RSD		18.704	18.704	4.441	17.722	0.922	2.539	0.760	0.430	0.915
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	04:49:51	1625725.900	423.444	1012.536	24976.502	21148.455	53685.059	1278737.000	9271.758	
2	04:50:59	1600902.600	368.755	987.534	24657.198	21498.978	53016.946	1265632.700	9409.348	
3	04:52:07	1607961.400	410.943	975.033	25079.808	22196.919	52479.027	1277913.300	9535.994	
x		1611530.000	401.047	991.701	24904.503	21614.784	53060.344	1274094.300	9405.700	
σ		12790.575	28.656	19.095	220.313	533.739	604.186	7339.580	132.156	
%RSD		0.794	7.145	1.926	0.885	2.469	1.139	0.576	1.405	

Reviewed By:aswal
On:11/21/2011
12:38:57 PM
Inst Id :P8

C4481-11 MB9TB9 11/19/2011 04:56:39 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	04:57:47	32161.161	76.563	1726.667	1596.964	71828549.000	18652605.000	2648319.700	3200554.400	1625584.500
2	04:58:55	31979.504	60.938	1726.667	1692.288	72610625.000	18767611.000	2658303.400	3200801.800	1626355.900
3	05:00:03	32128.275	65.625	1867.310	1643.845	72615790.000	18848820.000	2687083.300	3250804.800	1643118.000
x		32089.647	67.708	1773.548	1644.366	72351655.000	18756345.000	2664568.800	3217387.000	1631686.200
σ		96.793	8.018	81.200	47.664	453030.170	98591.221	20126.997	28940.944	9907.809
%RSD		0.302	11.842	4.578	2.899	0.626	0.526	0.755	0.900	0.607

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	04:57:47	2649659.000	26003.332	200528.850	13638456.000	11909322.000	213949.570	3738527.200	284218.200	7716.146
2	04:58:55	2654935.100	26047.162	202547.660	13795434.000	11884009.000	215603.850	3768828.200	281995.100	7978.790
3	05:00:03	2659046.300	26069.077	203959.730	13979238.000	11976220.000	219363.570	3768205.400	282388.700	7988.170
x		2654546.800	26039.857	202345.410	13804376.000	11923184.000	216305.660	3758520.300	282867.340	7894.369
σ		4705.714	33.476	1724.355	170566.800	47642.819	2774.391	17317.312	1186.321	154.417
%RSD		0.177	0.129	0.852	1.236	0.400	1.283	0.461	0.419	1.956

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	04:57:47	1640133.800	43716.788	555554.190	661457.540	1009631.600	10895818.000	271290.790	5344.750	5388.516
2	04:58:55	2188816.800	44230.867	617489.510	665131.750	1019300.500	11006013.000	271066.270	5266.596	5318.177
3	05:00:03	2333304.000	44663.460	661748.690	663575.900	1019007.200	10966809.000	270806.730	5324.430	5426.030
x		2054084.900	44203.705	611597.460	663388.400	1015979.800	10956213.000	271054.600	5311.925	5377.574
σ		365698.980	473.920	53341.873	1844.267	5499.625	55856.486	242.239	40.550	54.753
%RSD		17.803	1.072	8.722	0.278	0.541	0.510	0.089	0.763	1.018

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	04:57:47	16257.683	8133.565	30199.073	35694.538	11165.299	11165.299	1493.828	117.709	71.354
2	04:58:55	16270.197	7820.890	30246.047	38381.177	12270.893	12270.893	1504.767	101.042	76.563
3	05:00:03	16195.112	7709.892	30816.014	40061.824	12552.387	12552.387	1418.300	105.730	83.334
x		16240.998	7888.116	30420.378	38045.846	11996.193	11996.193	1472.298	108.160	77.084
σ		40.228	219.691	343.434	2202.869	733.211	733.211	47.083	8.595	6.007
%RSD		0.248	2.785	1.129	5.790	6.112	6.112	3.198	7.947	7.792

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	04:57:47	2500.219	1876.686	2273.618	1137.545	3053.451	9.375	670240.530	353.129	268.753
2	04:58:55	2483.028	1859.496	2228.299	1137.545	2994.064	10.938	664500.230	321.879	301.566
3	05:00:03	2406.453	1879.811	2176.728	1126.607	2986.250	4.688	661832.110	295.316	273.440
x		2463.233	1871.998	2226.215	1133.899	3011.255	8.333	665524.290	323.441	281.253
σ		49.919	10.939	48.479	6.315	36.751	3.253	4296.730	28.939	17.747
%RSD		2.027	0.584	2.178	0.557	1.220	39.031	0.646	8.947	6.310

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	04:57:47	34.375	34.375	265.627	185.939	1592.276	3084.708	60777.450	107285.730	1563304.500
2	04:58:55	34.375	34.375	243.752	162.501	1748.545	3208.173	60647.210	108033.520	1545887.700
3	05:00:03	32.813	32.813	281.253	162.501	1786.049	3083.145	60968.888	106673.350	1541860.400
x		33.854	33.854	263.544	170.314	1708.957	3125.342	60797.849	107330.870	1550350.900
σ		0.902	0.902	18.837	13.532	102.773	71.738	161.806	681.205	11397.461
%RSD		2.665	2.665	7.148	7.945	6.014	2.295	0.266	0.635	0.735

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	04:57:47	1608217.700	396.881	934.406	86036.427	73978.554	184032.480	1277816.100	9856.524
2	04:58:55	1616703.200	382.818	867.214	86534.735	75153.413	181188.660	1266333.000	9903.432
3	05:00:03	1603309.200	373.442	835.962	86932.451	75360.751	180715.540	1273091.200	9895.614
x		1609410.100	384.380	879.194	86501.204	74830.906	181978.890	1272413.400	9885.190
σ		6776.139	11.797	50.303	448.953	745.402	1794.123	5771.457	25.131
%RSD		0.421	3.069	5.722	0.519	0.996	0.986	0.454	0.254

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:05:42	27233.746	42725.254	7561.376	946.906	54260355.000	39507097.000	5606893.400	6893335.800	10381958.000
2	05:06:50	27656.432	42860.031	7766.173	925.030	54148384.000	39506129.000	5630698.200	6915644.300	10469624.000
3	05:07:58	27515.536	43346.391	7777.116	935.968	54619351.000	39699631.000	5682301.200	6912338.500	10407121.000
x		27468.571	42977.225	7701.555	935.968	54342696.000	39570952.000	5639964.300	6907106.200	10419567.000
σ		215.221	326.732	121.522	10.938	246044.010	111440.000	38548.403	12039.536	45138.906
%RSD		0.784	0.760	1.578	1.169	0.453	0.282	0.683	0.174	0.433
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
1	05:05:42	119043.940	587439.340	130452.290	934236.970	35487023.000	169199.220	2920793.900	262053.550	85151.460
2	05:06:50	119652.120	591166.590	129745.900	910131.220	35707113.000	170113.100	2935931.700	263075.200	86127.598
3	05:07:58	116844.650	595378.380	130348.220	887845.440	35701592.000	169711.490	2931051.000	263611.510	87064.502
x		118513.570	591328.100	130182.140	910737.880	35631910.000	169674.600	2929258.900	262913.420	86114.520
σ		1476.971	3971.988	381.359	23201.711	125505.380	458.056	7726.385	791.479	956.588
%RSD		1.246	0.672	0.293	2.548	0.352	0.270	0.264	0.301	1.111
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
1	05:05:42	1505056.700	1199855.600	220845.510	4739304.000	3775996.700	79144316.000	1956046.000	1441332.600	306241.370
2	05:06:50	1478867.100	1197787.700	212894.930	4756317.600	3799392.000	79729390.000	1976446.300	1452883.500	307218.260
3	05:07:58	1463215.600	1202456.500	206093.140	4764811.000	3822501.500	80200789.000	1978023.600	1457895.000	307510.390
x		1482379.800	1200033.200	213277.860	4753477.600	3799296.800	79691498.000	1970172.000	1450703.700	306990.010
σ		21140.572	2339.478	7383.636	12988.488	23252.564	529255.040	12258.816	8493.652	664.587
%RSD		1.426	0.195	3.462	0.273	0.612	0.664	0.622	0.585	0.216
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
1	05:05:42	1520528.200	749023.710	635894.540	273285.030	17235.391	17235.391	49431.729	20258.103	65.625
2	05:06:50	1534122.900	752326.600	638459.930	272049.280	16633.115	16633.115	49948.626	20403.101	68.229
3	05:07:58	1534612.100	761981.150	643366.620	274137.590	16636.244	16636.244	50200.026	20619.558	73.438
x		1529754.400	754443.820	639240.360	273157.300	16834.916	16834.916	49860.127	20426.921	69.097
σ		7993.865	6733.186	3796.686	1050.000	346.824	346.824	391.720	181.900	3.978
%RSD		0.523	0.892	0.594	0.384	2.060	2.060	0.786	0.890	5.757
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
1	05:05:42	268927.990	468737.780	511167.290	298364.800	779477.280	7.813	647055.890	32137.671	1478856.700
2	05:06:50	271497.790	476489.570	517404.670	300719.660	789103.520	3.125	651327.980	32389.802	1485912.100
3	05:07:58	273698.570	476334.520	518227.450	304749.030	794169.900	4.688	655586.610	32778.186	1492284.000
x		271374.780	473853.960	515599.800	301277.830	787583.570	5.208	651323.500	32435.220	1485684.300
σ		2387.667	4431.418	3860.648	3228.504	7463.307	2.387	4265.360	322.664	6716.550
%RSD		0.880	0.935	0.749	1.072	0.948	45.826	0.655	0.995	0.452
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
1	05:05:42	23968.528	23968.528	1453661.700	372958.830	1015747.900	1559354.200	1365096.400	2393532.700	1524021.100
2	05:06:50	24383.291	24383.291	1449517.500	371595.870	1003312.000	1566308.300	1350521.100	2404052.300	1528208.400
3	05:07:58	24499.114	24499.114	1462203.800	376257.730	1020695.000	1575365.200	1361191.000	2417198.100	1526448.400
x		24283.644	24283.644	1455127.700	373604.150	1013251.600	1567009.200	1358936.200	2404927.700	1526226.000
σ		278.976	278.976	6468.952	2396.987	8956.325	8028.510	7544.735	11856.949	2102.498
%RSD		1.149	1.149	0.445	0.642	0.884	0.512	0.555	0.493	0.138
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
1	05:05:42	1582908.100	2144719.800	5194508.100	1702533.900	1592983.300	3820786.600	1261892.900	8441151.300	
2	05:06:50	1595064.600	2163239.400	5266801.400	1727552.800	1613635.300	3890868.300	1279461.900	8459620.600	
3	05:07:58	1592340.700	2154588.500	5246641.900	1734678.000	1623450.100	3873051.200	1281942.000	8525145.500	
x		1590104.500	2154182.600	5235983.800	1721588.200	1610022.900	3861568.700	1274432.200	8475305.800	
σ		6379.335	9266.498	37306.505	16881.739	15551.300	36424.561	10929.992	44139.236	
%RSD		0.401	0.430	0.713	0.981	0.966	0.943	0.858	0.521	

Reviewed By/Date
on 11/21/2011
12:38:57 PM
Inst Id: P8

CCB61 11/19/2011 05:12:27 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:13:35	28324.928	51.042	132.813	695.329	483159.640	11016.746	1587.588	1862.621	43862.547
2	05:14:44	27870.911	56.771	98.438	731.269	482165.960	12164.552	1623.530	1992.326	44299.830
3	05:15:52	28007.115	48.958	93.750	723.456	475018.330	9359.315	1365.690	1476.639	43922.104
x		28067.651	52.257	108.334	716.685	480114.650	10846.871	1525.603	1777.196	44028.160
σ		232.983	4.046	21.329	18.902	4441.415	1410.313	139.649	268.247	237.150
%RSD		0.830	7.742	19.688	2.637	0.925	13.002	9.154	15.094	0.539
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:13:35	3953.672	3256.621	71872.532	834742.410	756356.240	110.938	2683.064	269114.260	159.376
2	05:14:44	4069.329	3375.399	71627.556	826750.280	758825.930	115.625	2972.184	267016.060	175.001
3	05:15:52	3891.155	3264.435	71732.770	829503.190	759664.070	110.938	2545.539	269303.720	151.563
x		3971.385	3298.818	71744.286	830331.960	758282.080	112.500	2733.596	268478.010	161.980
σ		90.398	66.435	122.893	4060.007	1719.671	2.706	217.765	1269.627	11.934
%RSD		2.276	2.014	0.171	0.489	0.227	2.406	7.966	0.473	7.368
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:13:35	181005.110	3044.074	60101.160	15253.452	1853.245	190828.590	3647.340	281.253	250.002
2	05:14:44	178253.640	3158.162	59357.435	15183.064	1904.815	194654.690	3745.804	343.754	248.440
3	05:15:52	174569.510	2961.244	57937.561	14741.977	1718.853	191389.140	3537.938	240.627	179.689
x		177942.750	3054.493	59132.052	15059.498	1825.638	192290.810	3643.694	288.545	226.043
σ		3229.045	98.871	1099.267	277.224	96.005	2066.282	103.981	51.949	40.152
%RSD		1.815	3.237	1.859	1.841	5.259	1.075	2.854	18.004	17.763
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:13:35	567.199	265.627	356.254	4561.145	1461.012	1461.012	1450.594	77.604	81.250
2	05:14:44	593.762	251.565	417.194	4464.760	1465.700	1465.700	1425.071	86.979	70.834
3	05:15:52	487.508	182.814	300.003	4405.367	1445.386	1445.386	1431.843	69.792	72.917
x		549.490	233.335	357.817	4477.091	1457.366	1457.366	1435.836	78.125	75.000
σ		55.296	44.314	58.611	78.618	10.637	10.637	13.222	8.606	5.512
%RSD		10.063	18.992	16.380	1.756	0.730	0.730	0.921	11.015	7.349
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:13:35	218.752	370.317	367.192	221.877	550.011	0.000	680827.050	312.503	450.007
2	05:14:44	134.376	307.816	317.191	187.501	506.259	0.000	675449.330	279.690	450.007
3	05:15:52	167.188	201.564	193.751	135.938	357.817	6.250	684735.490	315.628	282.815
x		173.439	293.232	292.712	181.772	471.362	2.083	680337.290	302.607	394.276
σ		42.534	85.317	89.274	43.255	100.737	3.608	4662.412	19.908	96.528
%RSD		24.524	29.095	30.499	23.796	21.371	173.205	0.685	6.579	24.482
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:13:35	4.688	4.688	432.819	68.750	1145.358	3030.009	201.564	407.818	1551322.900
2	05:14:44	7.813	7.813	393.755	76.563	987.534	2236.113	259.377	418.756	1543306.300
3	05:15:52	7.813	7.813	295.316	56.250	826.586	1840.744	128.126	296.878	1568450.300
x		6.771	6.771	373.963	67.188	986.493	2368.955	196.356	374.484	1554359.800
σ		1.804	1.804	70.856	10.246	159.389	605.659	65.781	67.431	12844.187
%RSD		26.647	26.647	18.947	15.250	16.157	25.567	33.501	18.006	0.826
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	05:13:35	1621698.100	1343.813	3312.884	531.260	387.505	1085.979	1321859.500	1496.953	
2	05:14:44	1592608.900	1118.794	2829.968	492.196	464.070	1200.050	1304021.900	1556.335	
3	05:15:52	1614216.000	857.838	2117.344	340.629	321.879	823.461	1312376.500	1064.102	
x		1609507.700	1106.815	2753.399	454.695	391.151	1036.497	1312752.600	1372.463	
σ		15105.367	243.209	601.437	100.696	71.166	193.109	8924.752	268.694	
%RSD		0.939	21.974	21.843	22.146	18.194	18.631	0.680	19.578	

C4481-12 MB9TA3 11/19/2011 05:20:21 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:21:29	31204.355	54.167	345.317	1657.909	1214916.100	67755.611	9338.989	11137.152	64634.951
2	05:22:37	31379.739	45.833	376.567	1589.151	1222794.500	68619.093	9417.165	11456.154	65380.520
3	05:23:46	31595.839	55.729	354.692	1606.340	1236975.200	68779.235	9726.748	11251.304	66003.688
x		31393.311	51.910	358.859	1617.800	1224895.300	68384.646	9494.301	11281.537	65339.720
σ		196.095	5.320	16.037	35.783	11178.565	550.614	205.065	161.636	685.280
%RSD		0.625	10.249	4.469	2.212	0.913	0.805	2.160	1.433	1.049

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:21:29	16087.178	4217.810	77388.737	12395649.000	943673.210	3450.417	58561.975	275275.310	314.066
2	05:22:37	15808.742	4156.855	78747.695	12652428.000	944095.070	3301.944	60148.232	278222.200	275.003
3	05:23:46	16156.005	4108.403	78383.199	12736211.000	941944.190	3361.333	59743.414	276363.200	317.191
x		16017.308	4161.023	78173.210	12594763.000	943237.490	3371.231	59484.540	276620.230	302.087
σ		183.873	54.822	703.394	177453.400	1139.716	74.730	824.206	1490.167	23.507
%RSD		1.148	1.318	0.900	1.409	0.121	2.217	1.386	0.539	7.782

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:21:29	1068088.000	10477.278	358833.570	27545.280	8796.457	336475.810	6238.862	231.252	646.890
2	05:22:37	1264760.200	11035.511	424383.150	28360.937	8765.188	336375.040	6226.357	218.752	735.956
3	05:23:46	1388928.200	11421.752	466411.920	29207.953	9237.361	338510.540	6059.097	239.065	685.954
x		1240592.100	10978.180	416542.880	28371.390	8933.002	337120.470	6174.772	229.689	689.600
σ		161779.730	474.840	54216.029	831.386	264.045	1204.896	100.372	10.246	44.645
%RSD		13.041	4.325	13.016	2.930	2.956	0.357	1.626	4.461	6.474

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:21:29	3305.070	1509.455	9367.132	21463.508	7209.631	7209.631	1362.565	74.479	71.354
2	05:22:37	3150.347	1589.151	9027.852	24938.415	8083.536	8083.536	1364.649	82.813	76.042
3	05:23:46	3236.304	1637.594	9487.524	27049.543	9027.852	9027.852	1362.565	64.063	81.771
x		3230.574	1578.733	9294.170	24483.822	8107.006	8107.006	1363.259	73.785	76.389
σ		77.520	64.702	238.364	2820.627	909.337	909.337	1.203	9.394	5.217
%RSD		2.400	4.098	2.565	11.520	11.217	11.217	0.088	12.732	6.830

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:21:29	612.513	151.563	239.065	95.313	232.814	4.688	676628.200	326.566	362.505
2	05:22:37	598.450	132.813	218.752	98.438	212.502	7.813	676466.100	318.754	300.003
3	05:23:46	635.952	128.126	239.065	81.250	220.314	7.813	676487.390	317.191	262.502
x		615.638	137.501	232.294	91.667	221.877	6.771	676527.230	320.837	308.337
σ		18.945	12.402	11.728	9.155	10.246	1.804	88.089	5.023	50.519
%RSD		3.077	9.020	5.049	9.988	4.618	26.647	0.013	1.566	16.384

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:21:29	9.375	9.375	346.879	65.625	2679.939	1959.509	1193.800	2195.481	1553016.300
2	05:22:37	12.500	12.500	298.441	64.063	1992.326	1407.882	1078.166	2007.954	1549810.200
3	05:23:46	0.000	0.000	239.065	71.875	1951.696	1043.788	1132.857	1961.072	1541364.000
x		7.292	7.292	294.795	67.188	2207.987	1470.393	1134.941	2054.836	1548063.500
σ		6.505	6.505	54.000	4.134	409.227	461.050	57.845	124.038	6019.346
%RSD		89.214	89.214	18.318	6.153	18.534	31.356	5.097	6.036	0.389

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:21:29	1604504.800	1940.757	4724.218	6326.400	5779.294	13565.813	1311682.500	639.077
2	05:22:37	1599331.000	1434.447	3270.687	6243.552	5694.885	13629.937	1315132.200	603.138
3	05:23:46	1601796.600	1035.975	2478.340	6162.266	5512.001	13803.541	1308372.000	585.950
x		1601877.500	1470.393	3491.082	6244.073	5662.060	13666.430	1311728.900	609.388
σ		2587.870	453.461	1139.045	82.068	136.636	122.994	3380.313	27.110
%RSD		0.162	30.839	32.627	1.314	2.413	0.900	0.258	4.449

Reviewed By Jaswal
On: 11/21/2011
12:38:57 PM
Test Id: P6

C4481-13 MB9TA4 11/19/2011 05:28:15 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:29:24	30437.078	46.875	232.814	1626.655	2874650.600	85201.759	11443.644	14233.650	76185.420
2	05:30:31	31132.323	45.313	323.441	1628.218	2920331.500	85486.264	12031.627	14374.416	77039.984
3	05:31:40	31127.626	42.708	254.690	1564.148	2923992.300	85689.035	11892.448	14735.721	76317.371
x		30899.009	44.965	270.315	1606.340	2906324.800	85459.019	11789.240	14447.929	76514.259
σ		400.051	2.105	47.291	36.548	27491.657	244.778	307.278	258.983	460.047
%RSD		1.295	4.681	17.495	2.275	0.946	0.286	2.606	1.793	0.601
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:29:24	17995.702	4335.033	77343.179	11074535.000	936418.380	4217.810	72343.651	276234.180	350.004
2	05:30:31	17535.756	4344.411	78420.905	11271507.000	941584.080	4306.899	72535.244	275557.230	351.567
3	05:31:40	18095.829	4381.922	77974.723	11372865.000	944023.370	4386.611	73326.769	273704.940	387.505
x		17875.762	4353.788	77912.936	11238635.000	940675.280	4303.773	72735.221	275165.450	363.025
σ		298.680	24.811	541.514	151697.250	3883.090	84.444	521.175	1309.344	21.215
%RSD		1.671	0.570	0.695	1.350	0.413	1.962	0.717	0.476	5.844
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:29:24	1224784.300	12879.241	410521.170	33937.138	16870.894	436865.130	8450.936	234.377	1053.164
2	05:30:31	1384719.400	13667.472	464846.490	34236.288	17446.584	441581.870	8691.706	217.189	1173.486
3	05:31:40	1495062.600	13869.229	502385.740	34989.672	16941.289	442558.270	8635.422	234.377	1089.104
x		1368188.800	13471.981	459251.130	34387.699	17086.256	440335.090	8592.688	228.648	1105.251
σ		135895.340	523.146	46187.186	542.357	314.033	3044.474	125.945	9.923	61.765
%RSD		9.932	3.883	10.057	1.577	1.838	0.691	1.466	4.340	5.588
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:29:24	3791.128	1839.181	7602.022	23701.938	7958.466	7958.466	1328.708	71.354	89.063
2	05:30:31	3938.043	1882.937	7475.393	26362.844	8788.640	8788.640	1338.084	73.959	68.750
3	05:31:40	3886.466	1943.882	7739.596	28091.655	9190.455	9190.455	1413.091	67.708	60.938
x		3871.879	1888.667	7605.670	26052.146	8645.854	8645.854	1359.961	71.007	72.917
σ		74.536	52.585	132.139	2211.290	628.284	628.284	46.250	3.139	14.518
%RSD		1.925	2.784	1.737	8.488	7.267	7.267	3.401	4.421	19.911
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:29:24	659.390	109.375	267.190	87.500	173.439	3.125	671420.610	262.502	121.876
2	05:30:31	753.145	76.563	193.751	93.750	153.126	3.125	672638.440	321.879	153.126
3	05:31:40	712.518	104.688	226.564	78.125	179.689	3.125	669328.930	256.252	114.063
x		708.351	96.875	229.169	86.459	168.751	3.125	671129.330	280.211	129.688
σ		47.016	17.747	36.789	7.864	13.888	0.000	1673.872	36.220	20.670
%RSD		6.637	18.319	16.053	9.096	8.230	0.000	0.249	12.926	15.938
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:29:24	7.813	7.813	104.688	53.125	17729.745	687.517	1640.719	2978.436	1540336.500
2	05:30:31	9.375	9.375	123.438	57.813	17538.885	675.016	1550.084	2942.490	1543479.900
3	05:31:40	6.250	6.250	98.438	48.438	17635.879	609.388	1584.463	3011.255	1529366.900
x		7.813	7.813	108.855	53.125	17634.836	657.307	1591.755	2977.394	1537727.800
σ		1.563	1.563	13.011	4.688	95.434	41.967	45.756	34.394	7409.357
%RSD		20.000	20.000	11.952	8.824	0.541	6.385	2.875	1.155	0.482
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	05:29:24	1610140.700	629.701	1496.953	6587.456	5849.635	14210.189	1310710.000	375.005	
2	05:30:31	1591355.000	518.759	1215.677	6640.606	5974.687	14178.908	1309000.900	432.819	
3	05:31:40	1599876.300	514.072	1117.231	6409.250	5846.509	14069.425	1304925.600	404.693	
x		1600457.400	554.178	1276.620	6545.770	5890.277	14152.841	1308212.200	404.172	
σ		9406.340	65.448	197.061	121.180	73.118	73.914	2971.742	28.911	
%RSD		0.588	11.810	15.436	1.851	1.241	0.522	0.227	7.153	

Reviewed By jeswal
On 11/21/2011
12:38:57 PM
Inst Id :P8

C4481-14 MB9TA0 11/19/2011 05:36:10 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:37:18	32336.556	52.083	595.325	1918.879	1901698.200	117772.530	16263.940	19838.766	110085.030
2	05:38:26	32070.332	54.688	537.510	2025.143	1933309.700	119286.580	16404.726	19607.196	111141.600
3	05:39:34	32739.034	45.313	604.700	2029.832	1945904.800	118854.880	16606.522	19868.494	112160.450
x		32381.974	50.695	579.178	1991.285	1926970.900	118638.000	16425.063	19771.485	111129.030
σ		336.656	4.839	36.389	62.749	22774.826	779.976	172.194	143.053	1037.770
%RSD		1.040	9.546	6.283	3.151	1.182	0.657	1.048	0.724	0.934
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:37:18	17332.383	4602.304	82350.738	16979798.000	936208.390	4531.969	77160.947	277089.570	423.444
2	05:38:26	17341.769	4688.269	84087.373	17322649.000	938470.110	4399.115	77977.865	279638.520	473.445
3	05:39:34	17535.756	4594.489	83796.609	17524513.000	933763.730	4480.390	77621.243	282195.890	470.320
x		17403.303	4628.354	83411.573	17275653.000	936147.410	4470.491	77586.685	279641.320	455.736
σ		114.804	52.035	930.142	275381.860	2353.782	66.978	409.554	2553.161	28.010
%RSD		0.660	1.124	1.115	1.594	0.251	1.498	0.528	0.913	6.146
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:37:18	2460922.000	16758.261	698346.180	36991.581	9156.058	437543.230	8075.720	193.751	945.344
2	05:38:26	2860164.800	18383.696	805870.490	37561.816	9318.663	442941.760	8163.269	173.439	881.277
3	05:39:34	3085658.800	18832.718	869096.730	38150.874	9589.155	444733.670	8404.034	145.313	893.778
x		2802248.500	17991.558	791104.470	37568.091	9354.625	441739.550	8214.341	170.834	906.800
σ		316369.590	1091.408	86327.653	579.672	218.776	3742.938	170.011	24.324	33.960
%RSD		11.290	6.066	10.912	1.543	2.339	0.847	2.070	14.238	3.745
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:37:18	2928.425	1493.828	9706.421	37144.582	11833.024	11833.024	1366.732	68.750	72.396
2	05:38:26	2947.179	1415.695	9812.744	41908.778	13654.960	13654.960	1357.877	80.729	75.521
3	05:39:34	2911.234	1462.575	9648.570	44412.680	14404.133	14404.133	1364.128	66.667	65.625
x		2928.946	1457.366	9722.578	41155.346	13297.372	13297.372	1362.912	72.049	71.181
σ		17.978	39.326	83.271	3692.162	1322.329	1322.329	4.551	7.589	5.059
%RSD		0.614	2.698	0.856	8.971	9.911	9.944	0.334	10.534	7.107
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:37:18	678.141	68.750	196.876	81.250	131.251	0.000	670978.690	295.316	75.000
2	05:38:26	723.456	95.313	210.939	71.875	145.313	4.688	675044.940	253.127	75.000
3	05:39:34	676.579	100.000	207.814	79.688	134.376	3.125	675085.870	273.440	93.750
x		692.725	88.021	205.210	77.604	136.980	2.604	673703.160	273.961	81.250
σ		26.625	16.853	7.384	5.023	7.384	2.387	2359.556	21.099	10.825
%RSD		3.844	19.146	3.598	6.472	5.391	91.652	0.350	7.701	13.324
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:37:18	6.250	6.250	98.438	31.250	1567.274	606.263	1356.314	2347.068	1533644.100
2	05:38:26	3.125	3.125	68.750	50.000	1651.658	484.383	1418.821	2425.206	1543985.000
3	05:39:34	6.250	6.250	98.438	34.375	1590.714	515.634	1378.191	2562.730	1540690.600
x		5.208	5.208	88.542	38.542	1603.215	535.427	1384.442	2445.001	1539439.900
σ		1.804	1.804	17.140	10.045	43.559	63.305	31.718	109.185	5282.673
%RSD		34.641	34.641	19.358	26.064	2.717	11.823	2.291	4.466	0.343
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	05:37:18	1591060.700	451.570	1021.912	9450.000	8232.059	20222.115	1290629.000	692.204	
2	05:38:26	1588253.900	353.129	970.345	9406.221	8128.875	19801.214	1278917.800	629.701	
3	05:39:34	1588233.000	317.191	898.466	9503.160	8213.298	19788.696	1299157.200	632.827	
x		1589182.500	373.963	963.574	9453.127	8191.410	19937.342	1289568.000	651.577	
σ		1626.585	69.570	62.001	48.545	54.964	246.700	10161.324	35.219	
%RSD		0.102	18.603	6.434	0.514	0.671	1.237	0.788	5.405	

Reviewed By:jewel
On:11/21/2011
12:38:57 PM
Method :P6

C4482-01 MB9TA8 11/19/2011 05:44:05 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:45:13	26559.040	42.708	2515.847	1781.361	61878624.000	26511759.000	3807112.300	4630920.200	138456.790
2	05:46:21	26807.942	54.688	2489.279	1712.603	61890883.000	26578352.000	3805271.700	4630796.600	141159.610
3	05:47:29	26350.843	45.833	2453.336	1640.719	61929816.000	26583174.000	3805539.400	4631415.000	141516.230
x̄		26572.609	47.743	2486.154	1711.561	61899775.000	26557761.000	3805974.500	4631043.900	140377.540
σ		228.851	6.214	31.372	70.327	26729.118	39912.016	994.423	327.243	1672.954
%RSD		0.861	13.015	1.262	4.109	0.043	0.150	0.026	0.007	1.192

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:45:13	4248892.000	14466.696	190225.310	1021665.500	16575039.000	134170.870	2342164.000	255925.190	651.577
2	05:46:21	4259398.500	14546.465	190502.400	971948.010	16691370.000	133532.110	2334232.900	257086.390	567.199
3	05:47:29	4296970.800	14605.900	191376.470	954240.090	16757726.000	132954.890	2337397.700	255390.760	667.203
x̄		4268420.400	14539.687	190701.390	982617.870	16674712.000	133552.620	2337931.600	256134.110	628.660
σ		25277.272	69.849	600.825	34956.133	92475.540	608.248	3992.426	866.908	53.797
%RSD		0.592	0.480	0.315	3.557	0.555	0.455	0.171	0.338	8.557

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:45:13	287943.260	7784.933	94624.851	8915415.400	3997401.600	150026900.000	3727217.000	32801.678	9795.545
2	05:46:21	257988.370	7647.359	84569.896	8895020.500	4069180.000	151737680.000	3716582.700	32876.850	9770.528
3	05:47:29	233702.330	7411.297	78119.259	8891290.400	4034638.200	150953960.000	3729858.500	32609.050	9964.411
x̄		259877.980	7614.530	85771.335	8900575.400	4033739.900	150906180.000	3724552.700	32762.526	9843.495
σ		27169.791	188.969	8318.127	12986.378	35897.588	856389.950	7027.493	138.126	105.462
%RSD		10.455	2.482	9.698	0.146	0.890	0.567	0.189	0.422	1.071

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:45:13	3603.579	1664.159	20353.552	9726.227	2187.668	2187.668	1358.919	86.979	76.042
2	05:46:21	3673.910	1737.606	20375.458	8743.821	1820.429	1820.429	1338.084	82.813	77.604
3	05:47:29	3705.168	1867.310	20904.346	8118.973	1598.527	1598.527	1289.121	86.979	71.875
x̄		3660.886	1756.358	20544.452	8863.007	1868.874	1868.874	1328.708	85.591	75.174
σ		52.031	102.865	311.870	810.228	297.543	297.543	35.831	2.406	2.962
%RSD		1.421	5.857	1.518	9.142	15.921	15.921	2.697	2.811	3.940

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:45:13	1137.545	342.192	520.322	217.189	476.570	4.688	631866.910	300.003	42.188
2	05:46:21	1087.541	325.004	537.510	221.877	548.448	4.688	630203.620	309.378	42.188
3	05:47:29	1081.291	309.378	590.637	204.689	557.823	10.938	634000.580	335.941	39.063
x̄		1102.126	325.525	549.490	214.585	527.614	6.771	632023.700	315.108	41.146
σ		30.833	16.413	36.656	8.885	44.453	3.608	1903.332	18.642	1.804
%RSD		2.798	5.042	6.671	4.140	8.425	53.294	0.301	5.916	4.385

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:45:13	7.813	7.813	39.063	50.000	867.214	4964.925	125254.520	221154.930	1496313.700
2	05:46:21	9.375	9.375	51.563	45.313	873.464	4908.656	123728.810	222700.540	1497045.700
3	05:47:29	7.813	7.813	34.375	43.750	896.903	4971.177	125673.800	221194.600	1515241.100
x̄		8.333	8.333	41.667	46.354	879.194	4948.253	124885.710	221683.360	1502866.800
σ		0.902	0.902	8.885	3.253	15.652	34.434	1023.603	881.129	10722.678
%RSD		10.825	10.825	21.323	7.017	1.780	0.696	0.820	0.397	0.713

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:45:13	1545349.500	228.127	456.257	11284.142	9611.044	23747.847	1254780.500	1840.744
2	05:46:21	1563700.800	223.439	523.447	11431.134	9998.810	23827.667	1263904.900	1671.973
3	05:47:29	1583405.900	193.751	462.507	11548.416	9737.693	24441.203	1276042.600	1820.429
x̄		1564152.100	215.106	480.737	11421.231	9782.516	24005.572	1264909.300	1777.715
σ		19032.175	18.641	37.120	132.415	197.731	379.372	10666.589	92.137
%RSD		1.217	8.666	7.721	1.159	2.021	1.580	0.843	5.183

Reviewed By:aswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4481-02 MB9TA7 11/19/2011 05:52:00 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	05:53:08	31973.240	4622.623	4394.426	21265.816	69029499.000	64556772.000	9191117.600	11184512.000	197342790.000
2	05:54:16	32026.484	4749.227	4517.902	21353.447	69427082.000	65482178.000	9324330.600	11329315.000	199374280.000
3	05:55:24	32663.862	4727.865	4574.170	22001.304	69749767.000	65875188.000	9347778.400	11358899.000	200220060.000
x		32221.196	4699.905	4495.499	21540.189	69402116.000	65304713.000	9287742.200	11290908.000	198979040.000
σ		384.284	67.775	91.942	401.734	360782.430	676886.590	84496.665	93321.837	1478794.300
%RSD		1.193	1.442	2.045	1.865	0.520	1.037	0.910	0.827	0.743

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	05:53:08	28722835.000	2819476.700	503338.740	11101189.000	39581658.000	469351.180	8150324.100	339123.260	205379.860
2	05:54:16	29111417.000	2838324.400	501492.670	11305877.000	39914920.000	470778.260	8172655.900	336514.200	205674.680
3	05:55:24	29272350.000	2828188.200	503089.560	11390074.000	39802579.000	469665.970	8151188.400	340471.960	205527.270
x		29035534.000	2828663.100	502640.320	11265713.000	39766386.000	469931.800	8158056.200	338703.140	205527.270
σ		282507.330	9432.838	1001.673	148571.760	169553.460	749.757	12651.122	2012.050	147.411
%RSD		0.973	0.333	0.199	1.319	0.426	0.160	0.155	0.594	0.072

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	05:53:08	2801932.400	909550.620	325257.940	162050790.000	19003724.000	2556235800.000	67985528.000	958095.080	684619.170
2	05:54:16	2978172.300	919928.270	369545.260	163220420.000	19156331.000	2568018300.000	68305373.000	963066.350	690832.840
3	05:55:24	3168815.400	916670.740	422228.510	164122370.000	19125873.000	2575838800.000	68993280.000	970474.600	690678.780
x		2982973.300	915383.210	372343.910	163131190.000	19095309.000	2566697600.000	68426060.000	963878.680	688710.260
σ		183488.610	5307.277	48545.825	1038667.800	80763.967	9868008.600	514956.530	6229.607	3543.826
%RSD		6.151	0.580	13.038	0.637	0.423	0.384	0.753	0.646	0.515

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	05:53:08	1082579.600	536001.500	4892541.300	128470.910	5477.612	5477.612	2416.871	664.078	158.855
2	05:54:16	1097466.100	545796.470	4932333.200	131619.700	6518.674	6518.674	2404.369	656.786	176.043
3	05:55:24	1092813.300	539204.660	4930901.400	133286.080	7048.614	7048.614	2413.746	685.954	180.730
x		1090953.000	540334.210	4918592.000	131125.560	6348.300	6348.300	2411.662	668.939	171.876
σ		7615.620	4994.223	22571.878	2445.319	799.238	799.238	6.506	15.180	11.518
%RSD		0.698	0.924	0.459	1.865	12.590	12.590	0.270	2.269	6.701

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	05:53:08	32289.575	12159.860	18092.700	7520.729	20195.515	29.688	619513.430	5080.591	11775.163
2	05:54:16	32585.559	12103.563	17953.462	7877.171	19948.293	34.375	613137.640	5043.078	11995.659
3	05:55:24	32364.745	12339.702	18078.620	7415.987	20431.788	31.250	621456.080	5132.172	11865.863
x		32413.293	12201.042	18041.594	7604.629	20191.865	31.771	618035.720	5085.280	11878.895
σ		153.848	123.338	76.648	241.769	241.768	2.387	4351.647	44.732	110.824
%RSD		0.475	1.011	0.425	3.179	1.197	7.512	0.704	0.880	0.933

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	05:53:08	3078.457	3078.457	11421.752	36795.764	77874.177	89855.140	2969036.300	5303106.600	1652133.700
2	05:54:16	2956.556	2956.556	11693.847	36280.386	78841.963	89870.863	3069439.700	5337926.300	1645262.200
3	05:55:24	3036.260	3036.260	11568.745	37026.045	78095.693	89177.476	2978536.800	5311710.500	1639108.300
x		3023.758	3023.758	11561.448	36700.732	78270.611	89634.493	3005671.000	5317581.100	1645501.400
σ		61.905	61.905	136.194	381.805	507.050	395.867	55429.314	18136.972	6515.998
%RSD		2.047	2.047	1.178	1.040	0.648	0.442	1.844	0.341	0.396

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	05:53:08	1702707.500	9193.582	22497.388	9292537.900	7837766.500	19355608.000	1242598.800	328955.230
2	05:54:16	1688772.700	9384.331	22110.848	9272805.500	7867365.800	19366968.000	1235623.200	330707.500
3	05:55:24	1693105.900	9304.592	22135.887	9243729.300	7814229.900	19399957.000	1236056.800	329258.990
x		1694862.000	9294.168	22248.041	9269690.900	7839787.400	19374178.000	1238092.900	329640.570
σ		7131.492	95.801	216.304	24552.921	26625.564	23036.393	3908.236	936.384
%RSD		0.421	1.031	0.972	0.265	0.340	0.119	0.316	0.284

C4481-02X25 M89TA7 11/19/2011 05:59:55 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:01:03	24917.024	206.772	187.501	1464.138	3115066.400	2414225.500	333259.540	408174.080	7367644.700
2	06:02:11	25322.423	221.877	215.627	1529.769	3131668.700	2418466.200	332629.480	407871.880	7383864.200
3	06:03:19	25327.119	216.668	212.502	1543.833	3153960.000	2429789.200	336168.710	409419.920	7427424.900
x		25188.855	215.106	205.210	1512.580	3133565.000	2420827.000	334019.240	408488.630	7392977.900
σ		235.425	7.672	15.415	42.538	19516.003	8045.935	1887.960	820.554	30914.627
%RSD		0.935	3.567	7.512	2.812	0.623	0.332	0.565	0.201	0.418

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:01:03	1116177.900	104013.220	84659.487	1106777.800	2228461.100	17964.413	299937.860	245930.040	7986.607
2	06:02:11	1107023.900	104406.700	85352.656	1094977.800	2242154.200	17545.143	300196.330	248242.970	7931.889
3	06:03:19	1119950.500	104551.500	85648.166	1079016.800	2255389.200	18199.085	301807.880	250766.150	8036.635
x		1114384.100	104323.810	85220.103	1093590.800	2242001.500	17902.880	300647.360	248313.050	7985.044
σ		6647.361	278.551	507.493	13932.371	13464.688	331.285	1013.318	2418.819	52.391
%RSD		0.597	0.267	0.596	1.274	0.601	1.850	0.337	0.974	0.656

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:01:03	345024.570	38995.337	93358.749	6464693.900	733802.530	110347960.000	2721874.800	38114.841	27906.919
2	06:02:11	332597.500	38649.086	90037.533	6472784.700	732028.990	110103340.000	2707387.100	38136.774	27850.559
3	06:03:19	324832.810	37939.375	86229.775	6442393.700	736403.240	110562750.000	2712438.700	38193.174	28268.566
x		334151.620	38527.932	89875.352	6459957.400	734078.250	110338020.000	2713900.200	38148.263	28008.681
σ		10185.199	538.306	3567.253	15739.391	2200.121	229869.040	7353.586	40.411	226.824
%RSD		3.048	1.397	3.969	0.244	0.300	0.208	0.271	0.106	0.810

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:01:03	44345.283	22087.374	213164.530	7997.029	1237.554	1237.554	1324.020	88.542	75.521
2	06:02:11	44346.851	22165.620	211769.000	7936.058	1268.806	1268.806	1244.846	94.271	75.000
3	06:03:19	45171.303	22010.693	211757.900	7814.637	1209.426	1209.426	1343.292	93.750	86.979
x		44621.146	22087.896	212230.480	7915.908	1238.595	1238.595	1304.053	92.188	79.167
σ		476.451	77.465	808.931	92.851	29.704	29.704	52.172	3.168	6.771
%RSD		1.068	0.351	0.381	1.173	2.398	2.398	4.001	3.437	8.553

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:01:03	1376.629	481.258	801.585	328.129	967.220	17.188	632879.020	420.319	571.886
2	06:02:11	1362.565	545.323	800.022	370.317	889.090	10.938	637700.550	448.445	514.072
3	06:03:19	1329.749	489.071	812.523	367.192	910.967	7.813	637687.490	460.945	614.076
x		1356.314	505.217	804.710	355.213	922.426	11.979	636089.020	443.236	566.678
σ		24.057	34.951	6.811	23.507	40.306	4.774	2779.949	20.808	50.205
%RSD		1.774	6.918	0.846	6.618	4.370	39.849	0.437	4.695	8.860

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:01:03	131.251	131.251	542.198	1590.714	3364.459	3861.459	123876.960	216438.200	1503280.300
2	06:02:11	121.876	121.876	601.575	1611.028	3294.130	3811.446	122434.920	215605.440	1524038.400
3	06:03:19	110.938	110.938	484.383	1571.961	3320.698	3891.155	122600.390	219595.210	1538653.200
x		121.355	121.355	542.719	1591.235	3326.429	3854.687	122970.760	217212.950	1521990.600
σ		10.166	10.166	58.598	19.539	35.513	40.284	789.143	2104.697	17775.111
%RSD		8.377	8.377	10.797	1.228	1.068	1.045	0.642	0.969	1.168

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:01:03	1562049.600	659.390	1412.570	406073.280	340468.760	838408.990	1300772.900	14178.908
2	06:02:11	1588349.600	576.574	1395.381	403553.360	341172.760	843812.030	1318823.800	14390.056
3	06:03:19	1589688.600	612.513	1409.445	407973.150	340286.370	845993.340	1325785.400	14202.369
x		1580029.300	616.159	1405.798	405866.600	340642.630	842738.120	1315127.400	14257.111
σ		15585.242	41.528	9.156	2217.131	468.077	3904.559	12909.471	115.730
%RSD		0.986	6.740	0.651	0.546	0.137	0.463	0.982	0.812

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:08:59	25522.779	117.709	142.188	1223.490	1926660.900	1231197.200	170381.900	208824.570	3843717.100
2	06:10:07	26006.463	118.230	132.813	1110.981	1943846.900	1226767.500	169466.420	209186.050	3842419.500
3	06:11:15	26244.397	123.438	120.313	1103.168	1948586.100	1246318.500	172059.640	210357.760	3856055.400
x		25924.546	119.792	131.771	1145.879	1939698.000	1234761.100	170635.930	209456.130	3847397.300
σ		367.717	3.168	10.975	67.326	11536.427	10251.125	1315.150	801.480	7526.142
%RSD		1.418	2.645	8.329	5.875	0.595	0.830	0.771	0.383	0.196

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:08:59	568623.960	53810.530	77929.163	872159.570	1488822.700	9220.162	153381.510	253935.470	4109.966
2	06:10:07	572034.260	54536.713	77456.289	875631.330	1503590.200	9134.169	154234.370	254288.540	4036.508
3	06:11:15	578743.420	55564.098	77476.712	879804.510	1509503.700	9046.613	154667.130	254288.540	4266.262
x		573133.880	54637.114	77620.721	875865.140	1500638.900	9133.648	154094.340	254170.850	4137.579
σ		5148.564	881.085	267.313	3827.831	10651.702	86.775	654.152	203.847	117.340
%RSD		0.898	1.613	0.344	0.437	0.710	0.950	0.425	0.080	2.836

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:08:59	242133.190	20990.410	70798.439	3341801.500	376329.910	56722988.000	1377931.200	19262.978	14432.287
2	06:10:07	238629.660	21372.225	68333.353	3349798.400	375863.170	56913781.000	1385641.800	19665.088	14196.113
3	06:11:15	230097.640	21342.493	66243.858	3344900.900	378859.530	57056099.000	1399445.000	20039.045	14635.618
x		236953.500	21235.043	68458.550	3345500.300	377017.530	56897622.000	1387672.700	19655.704	14421.339
σ		6190.375	212.379	2279.870	4032.008	1612.193	167142.420	10899.723	388.118	219.957
%RSD		2.612	1.000	3.330	0.121	0.428	0.294	0.785	1.975	1.525

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:08:59	22976.274	11255.995	109085.210	5193.131	953.157	953.157	1330.791	80.729	65.625
2	06:10:07	22826.034	11098.059	108222.440	5034.220	1015.651	1015.661	1341.730	84.375	84.375
3	06:11:15	23481.783	11557.799	109422.150	5068.086	923.467	923.467	1306.310	78.646	79.167
x		23094.697	11303.951	108909.930	5098.479	964.095	964.095	1326.277	81.250	76.389
σ		343.540	233.591	618.764	83.702	47.060	47.060	18.136	2.900	9.679
%RSD		1.488	2.066	0.568	1.642	4.881	4.881	1.367	3.569	12.670

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:08:59	723.456	282.815	434.382	217.189	492.196	15.625	654401.260	384.380	303.128
2	06:10:07	739.082	307.816	420.319	200.001	554.698	7.813	656309.310	376.567	325.004
3	06:11:15	670.328	301.566	459.382	245.315	548.448	6.250	658253.580	360.942	346.879
x		710.955	297.399	438.028	220.835	531.781	9.896	656321.390	373.963	325.004
σ		36.041	13.011	19.785	22.876	34.424	5.023	1926.188	11.934	21.875
%RSD		5.069	4.375	4.517	10.359	6.473	50.756	0.293	3.191	6.731

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:08:59	59.375	59.375	307.816	762.520	1667.285	1912.628	62261.947	109990.550	1533600.800
2	06:10:07	73.438	73.438	298.441	807.835	1782.924	1954.821	63029.363	110850.290	1574415.500
3	06:11:15	68.750	68.750	309.378	792.209	1793.863	1973.574	63222.401	111371.500	1553363.700
x		67.188	67.188	305.212	787.522	1748.024	1947.008	62837.904	110737.450	1553793.300
σ		7.160	7.160	5.916	23.018	70.136	31.215	508.046	697.356	20410.738
%RSD		10.657	10.657	1.938	2.923	4.012	1.603	0.809	0.630	1.314

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:08:59	1595320.700	353.129	942.219	201924.880	171852.480	425139.530	1336141.500	7178.366
2	06:10:07	1612784.200	431.257	995.347	205571.650	171164.610	429152.180	1357147.800	7301.866
3	06:11:15	1611907.100	403.131	1035.975	206798.540	173479.790	425395.410	1340626.000	7361.271
x		1606670.700	395.839	991.180	204765.020	172165.630	426562.370	1344638.400	7280.501
σ		9839.147	39.571	47.017	2534.983	1188.930	2246.485	11063.022	93.306
%RSD		0.612	9.997	4.744	1.238	0.691	0.527	0.823	1.282

Reviewed By:aswati
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4463-01 MH3BA0 11/19/2011 06:15:47 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:16:55	26324.231	50.000	200.001	915.654	1790528.500	32136.105	4453.819	5330.682	61620.110
2	06:18:03	26217.786	43.229	181.251	1001.598	1788816.800	28598.910	3866.148	4721.092	57700.668
3	06:19:11	26061.250	41.667	226.564	937.531	1790073.400	27016.146	3991.182	4408.493	55681.742
x		26201.089	44.965	202.606	951.594	1789806.200	29250.387	4103.717	4820.089	58334.174
σ		132.283	4.430	22.769	44.664	886.554	2621.414	309.576	468.997	3019.445
%RSD		0.505	9.851	11.238	4.694	0.050	8.962	7.544	9.730	5.176

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:16:55	25037.547	2625.241	69140.347	688549.930	777716.340	442.194	8475.951	253331.130	204.689
2	06:18:03	25125.200	2620.553	68801.216	684869.830	773087.460	460.945	8272.707	255637.290	165.626
3	06:19:11	24048.349	2615.865	68338.063	684935.360	772896.270	450.007	8257.073	254912.010	198.439
x		24737.032	2620.553	68759.875	686118.370	774566.690	451.049	8335.244	254626.810	189.585
σ		598.025	4.688	402.736	2106.042	2729.350	9.419	122.107	1179.237	20.983
%RSD		2.418	0.179	0.586	0.307	0.352	2.088	1.465	0.463	11.068

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:16:55	160640.320	2859.661	53220.827	22156.231	4982.119	416324.600	6975.140	198.439	1368.816
2	06:18:03	153408.360	3051.889	51636.905	18768.571	4328.781	361039.680	5771.478	157.813	1307.872
3	06:19:11	149597.950	3200.358	49781.900	17362.107	4086.522	335165.870	5194.694	128.126	1443.823
x		154548.880	3037.303	51546.544	19428.969	4465.807	370843.380	5980.437	161.459	1373.504
σ		5608.839	170.816	1721.243	2464.346	463.255	41458.046	908.430	35.298	68.096
%RSD		3.629	5.624	3.339	12.684	10.373	11.179	15.190	21.862	4.958

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:16:55	1173.486	589.075	2176.728	2335.608	771.896	771.896	1324.541	70.834	79.688
2	06:18:03	1057.852	537.510	2018.893	2313.729	792.209	792.209	1372.462	71.875	75.000
3	06:19:11	1082.853	545.323	2012.642	2275.181	759.395	759.395	1372.462	70.313	81.250
x		1104.730	557.303	2069.421	2308.173	774.500	774.500	1356.488	71.007	78.646
σ		60.842	27.791	92.983	30.594	16.561	16.561	27.667	0.796	3.253
%RSD		5.507	4.987	4.493	1.325	2.138	2.138	2.040	1.120	4.136

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:16:55	107.813	106.250	100.000	84.375	195.314	10.938	661979.330	273.440	35.938
2	06:18:03	81.250	84.375	96.875	92.188	112.500	7.813	665948.180	234.377	31.250
3	06:19:11	90.625	71.875	79.688	73.438	109.375	6.250	666371.960	307.816	20.313
x		93.229	87.500	92.188	83.334	139.063	8.333	664766.490	271.878	29.167
σ		13.471	17.399	10.938	9.418	48.740	2.387	2423.034	36.744	8.018
%RSD		14.450	19.885	11.864	11.302	35.048	28.641	0.364	13.515	27.491

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:16:55	3.125	3.125	28.125	23.438	259.377	110.938	1298.497	2393.951	1553586.100
2	06:18:03	3.125	3.125	34.375	28.125	218.752	117.188	1367.253	2278.307	1554065.500
3	06:19:11	1.563	1.563	28.125	25.000	243.752	106.250	1203.176	2268.930	1561279.700
x		2.604	2.604	30.208	25.521	240.627	111.459	1289.642	2313.729	1556310.400
σ		0.902	0.902	3.608	2.387	20.492	5.487	82.396	69.632	4310.169
%RSD		34.641	34.641	11.945	9.352	8.516	4.923	6.389	3.010	0.277

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:16:55	1621603.800	253.127	589.075	1571.961	1456.324	3712.983	1348218.100	409.381
2	06:18:03	1612681.300	145.313	493.759	1387.567	1234.428	2865.912	1339360.500	303.128
3	06:19:11	1629618.500	195.314	412.506	1275.057	968.783	2697.130	1349376.400	248.440
x		1621301.200	197.918	498.446	1411.529	1219.845	3092.008	1345651.700	320.316
σ		8472.652	53.954	88.378	149.896	244.098	544.361	5479.003	81.836
%RSD		0.523	27.261	17.731	10.619	20.011	17.605	0.407	25.548

C4463-13 MH3B94 11/19/2011 06:23:43 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:24:51	27668.957	53.646	451.570	1684.474	47096153.000	21667411.000	3094040.000	3753410.200	66652.000
2	06:25:59	27562.501	44.792	492.196	1750.107	47009877.000	21616673.000	3121247.100	3786558.100	66551.533
3	06:27:07	28074.434	46.354	437.507	1765.734	47399634.000	21781814.000	3109288.900	3785310.000	66272.114
x		27768.631	48.264	460.424	1733.439	47168555.000	21688632.000	3108192.000	3775092.800	66491.883
σ		270.130	4.726	28.399	43.118	204717.050	84591.115	13636.650	18788.051	196.843
%RSD		0.973	9.792	6.168	2.487	0.434	0.390	0.439	0.498	0.296

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:24:51	2430551.900	3875.526	212850.520	736958.950	3906222.600	255136.270	4446584.600	275843.930	303.128
2	06:25:59	2457937.400	3867.711	213153.430	736528.190	3910007.500	257600.210	4474966.400	273139.580	242.190
3	06:27:07	2448572.900	4103.714	212942.500	739606.260	3909501.200	258922.230	4494362.100	273091.810	320.316
x		2445687.400	3948.984	212982.150	737697.800	3908577.100	257219.570	4471971.000	274025.110	288.545
σ		13918.923	134.058	155.295	1666.750	2054.708	1921.467	24029.169	1575.329	41.054
%RSD		0.569	3.395	0.073	0.226	0.053	0.747	0.537	0.575	14.228

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:24:51	134377.480	2998.752	44411.113	148112.280	33039.725	2616765.400	65681.898	390.630	590.637
2	06:25:59	126345.310	3133.156	42072.801	149670.580	34048.339	2620245.100	65809.043	385.943	604.700
3	06:27:07	122228.480	3108.151	40261.342	149867.950	33681.847	2631785.900	65884.389	410.943	548.448
x		127650.430	3080.020	42248.418	149216.940	33589.971	2622932.100	65791.777	395.839	581.262
σ		6178.760	71.482	2080.452	961.737	510.545	7862.506	102.344	13.289	29.275
%RSD		4.840	2.321	4.924	0.645	1.520	0.300	0.156	3.357	5.036

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Sc	82Se	83Kr
1	06:24:51	1675.098	804.710	5007.127	2786.209	654.702	654.702	1425.071	87.500	81.771
2	06:25:59	1781.361	746.895	5060.271	2583.046	646.890	646.890	1523.519	72.917	89.063
3	06:27:07	1789.175	776.584	4785.176	2590.339	573.449	573.449	1484.973	78.646	85.417
x		1748.545	776.063	4950.858	2653.198	625.014	625.014	1477.854	79.688	85.417
σ		63.726	28.911	145.924	115.249	44.827	44.827	49.608	7.347	3.646
%RSD		3.645	3.725	2.947	4.344	7.172	7.172	3.357	9.220	4.268

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:24:51	85.938	120.313	142.188	100.000	184.376	7.813	691467.140	325.004	26.563
2	06:25:59	89.063	115.625	135.938	103.125	171.876	12.500	693171.840	309.378	31.250
3	06:27:07	118.750	98.438	145.313	115.625	173.439	12.500	694560.340	321.879	34.375
x		97.917	111.459	141.147	106.250	176.564	10.938	693066.440	318.754	30.729
σ		18.110	11.517	4.774	8.268	6.811	2.706	1549.293	8.268	3.932
%RSD		18.495	10.333	3.382	7.782	3.857	24.744	0.224	2.594	12.796

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:24:51	1.563	1.563	29.688	15.625	284.378	250.002	92139.937	163132.390	1621008.800
2	06:25:59	4.688	4.688	17.188	12.500	257.815	270.315	92183.969	164692.320	1628105.000
3	06:27:07	4.688	4.688	28.125	18.750	275.003	293.753	91823.849	164331.960	1620888.500
x		3.646	3.646	25.000	15.625	272.398	271.357	92049.252	164052.220	1623334.100
σ		1.804	1.804	6.811	3.125	13.472	21.894	196.442	816.723	4132.149
%RSD		49.487	49.487	27.243	20.000	4.946	8.068	0.213	0.498	0.255

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:24:51	1675262.100	226.564	420.319	1514.143	1275.057	2919.048	1358893.200	31611.499
2	06:25:59	1691796.300	182.814	456.257	1496.953	1285.995	3103.462	1355824.300	32394.500
3	06:27:07	1687416.200	176.564	445.319	1475.076	1248.492	3069.080	1361995.300	32988.043
x		1684824.900	195.314	440.632	1495.391	1269.848	3030.530	1358904.300	32331.347
σ		8566.273	27.244	18.422	19.580	19.287	98.065	3085.555	690.442
%RSD		0.508	13.949	4.181	1.309	1.519	3.236	0.227	2.136

Reviewed By:swal
On:11/21/2011
12:38:57 PM
Inst Id :P8

C4463-01X25 MH3BA0 11/19/2011 06:31:40 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:32:48	28018.074	45.833	37.500	823.461	692922.680	11556.235	1579.775	1925.130	48698.488
2	06:33:56	28240.386	48.438	35.938	850.025	702328.200	13379.700	1778.236	2201.732	49209.610
3	06:35:04	28072.868	55.208	53.125	817.211	717098.000	18210.036	2470.526	2956.556	49883.817
x		28110.443	49.826	42.188	830.232	704116.290	14381.990	1942.845	2361.139	49263.972
σ		115.821	4.839	9.504	17.424	12186.445	3438.271	467.634	533.871	594.532
%RSD		0.412	9.712	22.529	2.099	1.731	23.907	24.070	22.611	1.207

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:32:48	7233.081	2734.637	67863.936	712488.220	759160.190	139.063	3566.070	274764.040	167.188
2	06:33:56	7408.170	2694.004	67862.366	710525.240	763824.210	185.939	3750.492	273962.940	181.251
3	06:35:04	8049.142	3022.195	68064.889	712514.480	764532.500	268.753	4757.042	273884.900	134.376
x		7563.464	2816.945	67930.397	711842.650	762505.630	197.918	4024.535	274203.960	160.938
σ		429.623	178.909	116.476	1140.986	2918.803	65.669	641.037	486.612	24.055
%RSD		5.680	6.351	0.171	0.160	0.383	33.180	15.928	0.177	14.946

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:32:48	101909.070	2650.246	34114.121	13880.177	2034.520	234552.020	2879.978	110.938	251.565
2	06:33:56	99144.409	2551.790	33226.094	14358.775	2059.523	238229.310	2959.682	95.313	215.627
3	06:35:04	96268.591	2576.795	32126.709	14876.492	2328.315	247920.250	3131.593	128.126	215.627
x		99107.358	2592.944	33155.641	14371.815	2140.786	240233.860	2990.418	111.459	227.606
σ		2820.424	51.176	995.577	498.285	162.885	6905.870	128.593	16.413	20.749
%RSD		2.846	1.974	3.003	3.467	7.609	2.875	4.300	14.725	9.116

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:32:48	362.505	146.876	407.818	1635.510	554.698	554.698	1465.700	78.125	77.604
2	06:33:56	353.129	128.126	451.570	1617.279	510.947	510.947	1451.636	77.604	78.125
3	06:35:04	387.505	176.564	473.445	1513.622	507.822	507.822	1462.054	67.708	89.584
x		367.713	150.522	444.278	1588.804	524.489	524.489	1459.797	74.479	81.771
σ		17.770	24.424	33.416	65.744	26.209	26.209	7.299	5.870	6.771
%RSD		4.833	16.226	7.521	4.138	4.997	4.997	0.500	7.881	8.280

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:32:48	45.313	35.938	34.375	43.750	59.375	7.813	710815.730	314.066	42.188
2	06:33:56	37.500	39.063	43.750	43.750	68.750	12.500	710190.440	290.628	42.188
3	06:35:04	62.500	51.563	35.938	51.563	64.063	7.813	710133.000	320.316	51.563
x		48.438	42.188	38.021	46.354	64.063	9.375	710379.720	308.337	45.313
σ		12.790	8.268	5.023	4.511	4.688	2.706	378.683	15.651	5.413
%RSD		26.404	19.598	13.210	9.731	7.317	28.868	0.053	5.076	11.945

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:32:48	0.000	0.000	31.250	23.438	182.814	75.000	104.688	195.314	1623889.800
2	06:33:56	4.688	4.688	64.063	10.938	200.001	78.125	126.563	231.252	1648590.100
3	06:35:04	4.688	4.688	37.500	31.250	228.127	96.875	181.251	290.628	1641809.300
x		3.125	3.125	44.271	21.875	203.647	83.334	137.501	239.065	1638096.400
σ		2.706	2.706	17.423	10.246	22.876	11.831	39.436	48.135	12761.847
%RSD		86.603	86.603	39.355	46.839	11.233	14.197	28.681	20.135	0.779

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:32:48	1708543.400	175.001	423.444	334.379	281.253	709.393	1390055.300	143.751
2	06:33:56	1703426.800	176.564	426.569	335.941	345.317	725.018	1411240.700	156.251
3	06:35:04	1707976.600	221.877	517.197	403.131	356.254	914.092	1417283.200	187.501
x		1706648.900	191.147	455.736	357.817	327.608	782.834	1406193.000	162.501
σ		2804.792	26.624	53.249	39.251	40.516	113.941	14298.516	22.535
%RSD		0.164	13.929	11.684	10.969	12.367	14.555	1.017	13.868

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

CCV62 11/19/2011 06:39:35 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:40:43	27138.253	42858.464	7361.271	943.781	54320253.000	40196443.000	5693367.000	6965849.700	10476088.000
2	06:41:51	27697.136	42903.913	7692.696	1004.723	54788193.000	40283980.000	5706474.100	6993701.700	10520228.000
3	06:43:00	27553.108	42808.837	7772.426	918.780	54789895.000	40442739.000	5752298.900	6994871.100	10508991.000
x		27462.832	42857.071	7608.798	955.761	54632780.000	40307721.000	5717380.000	6984807.500	10501769.000
σ		290.172	47.553	218.040	44.206	270657.700	124852.510	30942.603	16428.304	22939.016
%RSD		1.057	0.111	2.866	4.625	0.495	0.310	0.541	0.235	0.218

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:40:43	120329.650	591988.660	123664.190	697618.120	36260609.000	170930.590	2979921.600	265223.760	86490.720
2	06:41:51	120792.910	596091.600	124583.060	706239.100	36380411.000	170226.950	2991322.600	268133.580	86827.126
3	06:43:00	121142.730	597954.580	125046.460	715554.680	36537146.000	171531.470	2990865.000	269380.140	87220.134
x		120755.090	595344.950	124431.240	706470.630	36392722.000	170896.330	2987369.700	267579.160	86845.994
σ		407.856	3052.238	703.529	8970.517	138679.000	652.938	6454.345	2132.934	365.073
%RSD		0.338	0.513	0.565	1.270	0.381	0.382	0.216	0.797	0.420

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:40:43	1361122.400	1206284.900	168626.890	4817421.600	3890714.100	81411458.000	2006298.800	1465999.200	312300.130
2	06:41:51	1368798.700	1216291.700	169800.040	4871374.000	3922574.700	82271872.000	2001124.000	1483643.500	315492.570
3	06:43:00	1357180.300	1206181.400	166544.860	4867992.800	3899029.700	81784015.000	2010666.200	1480747.700	312661.020
x		1362367.100	1209586.000	168323.930	4852262.800	3904106.200	81822448.000	2006029.700	1476796.800	313484.570
σ		5908.322	5807.541	1648.598	30220.674	16525.831	431492.800	4776.753	9462.444	1748.315
%RSD		0.434	0.480	0.979	0.623	0.423	0.527	0.238	0.641	0.558

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:40:43	1562237.300	770457.170	646910.460	274958.880	15758.687	15758.687	51286.165	20749.955	87.500
2	06:41:51	1562451.100	772952.310	650634.950	276028.170	15674.219	15674.219	51123.605	21196.443	67.708
3	06:43:00	1569295.400	772700.140	652758.290	276918.590	16026.172	16026.172	51196.783	20728.048	70.834
x		1564661.300	772036.540	650101.230	275968.550	15819.693	15819.693	51202.185	20891.482	75.347
σ		4014.706	1373.574	2960.221	981.213	183.736	183.736	81.415	264.331	10.640
%RSD		0.257	0.178	0.455	0.356	1.161	1.161	0.159	1.265	14.121

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:40:43	277632.770	490707.350	533776.730	309782.120	813386.840	4.688	680324.240	33816.540	1549848.400
2	06:41:51	278948.660	489908.760	538474.760	312447.040	815872.760	12.500	676867.260	34131.350	1559571.400
3	06:43:00	280352.300	490126.990	533502.710	310516.560	815793.410	10.938	682691.050	34018.581	1568078.200
x		278977.910	490247.700	535251.400	310915.240	815017.670	9.375	679960.850	33988.823	1559166.000
σ		1360.001	412.754	2794.873	1376.463	1412.897	4.134	2928.850	159.501	9121.671
%RSD		0.487	0.084	0.522	0.443	0.173	44.096	0.431	0.469	0.585

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:40:43	25255.117	25255.117	1513073.700	385622.860	1049082.400	1633763.700	1414520.600	2515324.100	1593295.000
2	06:41:51	25239.464	25239.464	1526902.700	384127.120	1059128.300	1647211.000	1432721.400	2523365.100	1604544.900
3	06:43:00	25181.549	25181.549	1523194.200	388075.450	1058187.200	1635798.300	1432430.200	2531645.400	1625577.500
x		25225.377	25225.377	1521056.900	385941.810	1055466.000	1638924.300	1426557.400	2523444.900	1607805.800
σ		38.754	38.754	7157.948	1993.399	5548.345	7248.196	10425.157	8160.931	16386.406
%RSD		0.154	0.154	0.471	0.517	0.526	0.442	0.731	0.323	1.019

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:40:43	1657177.000	2261511.600	5534216.200	1809958.800	1676792.700	4044550.100	1341871.100	8900053.400
2	06:41:51	1671639.500	2274303.500	5500740.600	1809492.400	1692748.200	4101930.400	1337427.300	8889917.100
3	06:43:00	1680092.400	2269416.300	5534567.200	1802891.700	1689668.300	4087653.400	1356342.000	8869473.800
x		1669636.300	2268410.500	5523174.700	1807447.700	1686403.100	4078044.700	1345213.500	8886481.400
σ		11588.290	6455.011	19429.245	3952.414	8464.125	29872.562	9890.393	15576.591
%RSD		0.694	0.285	0.352	0.219	0.502	0.733	0.735	0.175

Reviewed By jeswal
On 11/21/2011
12:38:57 PM
Inst Id: ICP6

CCB62 11/19/2011 06:47:30 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:48:38	27980.500	57.292	103.125	770.333	612317.630	6715.641	801.585	967.220	45632.139
2	06:49:46	28102.614	47.917	81.250	743.769	615757.740	6814.125	889.090	1004.723	46663.588
3	06:50:54	28346.846	38.542	96.875	795.335	614929.430	6113.808	760.958	965.658	46216.827
x		28143.320	47.917	93.750	769.812	614334.930	6547.858	817.211	979.200	46170.851
σ		186.534	9.375	11.267	25.787	1795.453	379.110	65.480	22.117	517.259
%RSD		0.663	19.565	12.019	3.350	0.292	5.790	8.013	2.259	1.120

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:48:38	5116.541	2933.114	65079.148	700323.930	743303.430	81.250	2086.090	269513.880	168.751
2	06:49:46	4988.371	3008.129	65294.189	709579.950	745371.160	93.750	2112.656	269238.440	153.126
3	06:50:54	5016.506	2958.119	65840.437	704546.000	747019.630	76.563	2107.968	269943.750	143.751
x		5040.472	2966.454	65404.592	704816.630	745231.410	83.854	2102.238	269565.360	155.209
σ		67.363	38.196	392.469	4633.937	1862.038	8.885	14.180	355.463	12.630
%RSD		1.336	1.288	0.600	0.657	0.250	10.596	0.675	0.132	8.137

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:48:38	60943.781	2223.610	20326.951	13919.278	1454.762	190716.160	2695.567	162.501	217.189
2	06:49:46	59655.548	2268.930	20023.398	13758.184	1453.199	191332.130	2864.350	128.126	229.689
3	06:50:54	58962.053	2331.440	19416.311	13486.050	1209.426	190176.220	2753.390	135.938	187.501
x		59853.794	2274.660	19922.220	13721.171	1372.462	190741.510	2771.102	142.188	211.460
σ		1005.628	54.143	463.675	218.973	141.196	578.370	85.774	18.020	21.670
%RSD		1.680	2.380	2.327	1.596	10.288	0.303	3.095	12.673	10.248

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:48:38	407.818	131.251	328.129	1096.396	346.879	346.879	1497.995	70.834	65.104
2	06:49:46	415.631	192.189	335.941	1137.545	304.691	304.691	1489.661	77.084	78.646
3	06:50:54	365.630	168.751	307.816	1108.897	373.442	373.442	1443.302	75.521	76.563
x		396.360	164.063	323.962	1114.280	341.671	341.671	1476.986	74.479	73.438
σ		26.898	30.738	14.518	21.096	34.670	34.670	29.467	3.253	7.292
%RSD		6.786	18.736	4.482	1.893	10.147	10.147	1.995	4.367	9.929

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:48:38	168.751	293.753	353.129	206.251	492.196	9.375	700227.170	348.442	117.188
2	06:49:46	140.626	270.315	267.190	137.501	375.005	4.688	703568.290	318.754	93.750
3	06:50:54	106.250	209.377	185.939	148.438	284.378	9.375	704710.050	326.566	64.063
x		138.542	257.815	268.753	164.063	383.860	7.813	702835.170	331.254	91.667
σ		31.302	43.555	83.606	36.943	104.192	2.706	2329.623	15.389	26.624
%RSD		22.594	16.894	31.109	22.517	27.143	34.641	0.331	4.646	29.044

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:48:38	4.688	4.688	101.563	39.063	1110.981	2986.250	84.375	140.626	1611445.000
2	06:49:46	9.375	9.375	114.063	39.063	914.092	2268.930	82.813	107.813	1612091.900
3	06:50:54	6.250	6.250	75.000	25.000	745.332	1721.979	65.625	90.625	1633012.800
x		6.771	6.771	96.875	34.375	923.468	2325.720	77.604	113.021	1618849.900
σ		2.387	2.387	19.949	8.119	183.005	634.046	10.404	25.404	12269.689
%RSD		35.251	35.251	20.592	23.619	19.817	27.262	13.406	22.477	0.758

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:48:38	1680789.600	506.259	1190.675	373.442	301.566	720.331	1392846.000	784.397
2	06:49:46	1670099.000	439.069	1087.541	334.379	265.627	703.142	1388653.300	654.702
3	06:50:54	1684020.200	403.131	928.155	246.877	265.627	600.013	1383446.700	487.508
x		1678302.900	449.486	1068.790	318.233	277.607	674.495	1388315.300	642.202
σ		7286.116	52.347	132.260	64.809	20.749	65.074	4708.740	148.838
%RSD		0.434	11.646	12.375	20.365	7.474	9.648	0.339	23.176

C4463-14 MH3B95 11/19/2011 06:55:25 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	06:56:33	28927.696	51.563	392.193	2247.052	29381725.000	20350663.000	2926793.100	3577932.900	52615.465
2	06:57:41	29281.541	48.958	414.068	2172.040	29930687.000	20692247.000	2944563.000	3586062.500	53531.359
3	06:58:50	29162.548	53.646	434.382	2178.291	30205900.000	20826863.000	2974313.400	3621594.200	53142.411
x		29123.928	51.389	413.548	2199.128	29839437.000	20623258.000	2948556.500	3595196.500	53096.412
σ		180.056	2.349	21.099	41.621	419596.410	245481.550	24010.533	23219.615	459.676
%RSD		0.618	4.570	5.102	1.893	1.406	1.190	0.814	0.646	0.866

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	06:56:33	2447111.100	3722.360	179250.380	740132.490	3710132.200	245664.590	4303709.700	279230.650	300.003
2	06:57:41	2465908.700	3700.479	178940.270	749726.350	3759612.800	250845.660	4369866.100	282458.820	276.565
3	06:58:50	2490667.600	3944.294	181331.080	758249.630	3789964.200	248311.330	4391282.700	285365.740	276.565
x		2467895.800	3789.045	179840.580	749369.490	3753236.400	248273.860	4354952.900	282351.740	284.378
σ		21846.123	134.895	1300.090	9063.841	40296.162	2590.735	45651.510	3068.945	13.532
%RSD		0.885	3.560	0.723	1.210	1.074	1.043	1.048	1.087	4.758

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	06:56:33	62834.759	2587.734	20150.138	16803.627	10031.646	291010.730	11080.858	492.196	406.256
2	06:57:41	61996.735	2539.288	20048.433	16947.547	10191.134	294911.380	10943.252	467.195	462.507
3	06:58:50	61791.159	2497.093	20043.739	16861.507	10037.900	294495.110	11407.678	393.755	467.195
x		62207.551	2541.372	20080.770	16870.894	10086.893	293472.410	11143.930	451.049	445.319
σ		552.818	45.356	60.121	72.418	90.329	2142.013	238.550	51.168	33.911
%RSD		0.889	1.785	0.299	0.429	0.896	0.730	2.141	11.344	7.615

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	06:56:33	1915.753	854.713	6848.516	1832.409	318.754	318.754	1508.413	72.917	73.959
2	06:57:41	1853.245	948.469	6942.311	1748.024	278.128	278.128	1605.299	83.334	70.313
3	06:58:50	1759.483	939.093	6850.079	1704.268	325.004	325.004	1548.521	98.438	71.354
x		1842.827	914.092	6880.302	1761.567	307.295	307.295	1554.078	84.896	71.875
σ		78.654	51.637	53.707	65.135	25.452	25.452	48.681	12.832	1.878
%RSD		4.268	5.649	0.781	3.698	8.283	8.283	3.132	15.115	2.613

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	06:56:33	189.064	246.877	234.377	187.501	453.132	18.750	706408.090	346.879	223.439
2	06:57:41	203.126	206.251	317.191	132.813	403.131	12.500	717357.420	342.192	204.689
3	06:58:50	146.876	201.564	267.190	156.251	385.943	10.938	722474.620	335.941	170.314
x		179.689	218.231	272.919	158.855	414.069	14.063	715413.380	341.671	199.481
σ		29.274	24.919	41.703	27.437	34.905	4.134	8207.788	5.487	26.943
%RSD		16.291	11.419	15.280	17.272	8.430	29.397	1.147	1.606	13.507

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	06:56:33	6.250	6.250	231.252	65.625	528.135	842.212	216281.160	389794.760	1639801.900
2	06:57:41	9.375	9.375	215.627	70.313	535.948	873.464	220118.800	389120.500	1660346.600
3	06:58:50	6.250	6.250	193.751	57.813	507.822	770.333	220675.730	389512.210	1677307.500
x		7.292	7.292	213.543	64.583	523.968	828.670	219025.230	389475.820	1659152.000
σ		1.804	1.804	18.837	6.315	14.519	52.882	2392.693	338.601	18781.355
%RSD		24.744	24.744	8.821	9.778	2.771	6.382	1.092	0.087	1.132

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	06:56:33	1714255.100	659.390	1551.647	1473.514	1251.617	3273.813	1382163.800	39476.343
2	06:57:41	1736093.200	651.577	1525.081	1487.577	1337.563	3105.025	1399618.600	39904.092
3	06:58:50	1734741.300	465.633	1159.422	1346.939	1267.244	2948.742	1404701.800	39090.910
x		1728363.200	592.200	1412.050	1436.010	1285.475	3109.193	1395494.800	39490.448
σ		12236.647	109.680	219.185	77.458	45.781	162.575	11821.392	406.774
%RSD		0.708	18.521	15.522	5.394	3.561	5.229	0.847	1.030

C4463-15 MH3B96 11/19/2011 07:03:20 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	07:04:28	30017.441	45.313	440.632	1811.052	40549282.000	21483230.000	3066464.900	3726615.200	52637.421
2	07:05:37	29095.223	43.750	421.881	1967.323	40934190.000	21550554.000	3095189.000	3755231.700	52541.757
3	07:06:45	30325.904	53.646	425.006	1901.689	41124611.000	21649285.000	3101056.500	3768005.200	52397.479
x		29812.856	47.570	429.173	1893.355	40869361.000	21561023.000	3087570.100	3749950.700	52525.552
σ		640.340	5.320	10.046	78.468	293092.520	83521.506	18511.644	21194.324	120.789
%RSD		2.148	11.184	2.341	4.144	0.717	0.387	0.600	0.565	0.230

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	07:04:28	2500808.700	4333.470	196390.710	755730.650	3880475.800	254849.980	4435056.500	283263.580	226.564
2	07:05:37	2512297.300	4163.106	197513.850	760436.390	3876486.000	254174.030	4454782.700	284251.670	218.752
3	07:06:45	2535183.300	4225.625	198827.190	766550.510	3888515.600	258694.720	4490561.800	283188.680	270.315
x		2516096.400	4240.734	197577.250	760905.850	3881825.800	255906.240	4460133.600	283567.980	238.544
σ		17499.411	86.181	1219.478	5425.186	6127.397	2438.430	28136.861	593.278	27.791
%RSD		0.695	2.032	0.617	0.713	0.158	0.953	0.631	0.209	11.650

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	07:04:28	61025.378	3973.990	18729.457	392140.480	62597.785	6692440.900	167358.980	582.824	1156.297
2	07:05:37	60578.168	3997.434	19170.667	394046.550	62724.903	6717376.600	167041.230	625.014	1181.299
3	07:06:45	60447.931	4011.501	18638.714	397152.690	62734.319	6712593.700	168111.490	496.884	1123.482
x		60683.826	3994.308	18846.279	394446.570	62685.669	6707470.400	167503.900	568.241	1153.692
σ		302.876	18.950	284.568	2529.935	76.255	13233.768	549.649	65.298	28.996
%RSD		0.499	0.474	1.510	0.641	0.122	0.197	0.328	11.491	2.513

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	07:04:28	2100.154	992.222	14659.080	1944.403	325.004	325.004	1535.499	72.917	73.959
2	07:05:37	2186.105	1014.098	14743.542	1923.567	378.130	378.130	1582.900	86.459	83.854
3	07:06:45	2128.284	946.906	14588.695	1869.914	343.754	343.754	1509.455	76.563	82.813
x		2138.181	984.409	14663.772	1912.628	348.963	348.963	1542.618	78.646	80.209
σ		43.822	34.271	77.530	38.430	26.943	26.943	37.237	7.007	5.438
%RSD		2.049	3.481	0.529	2.009	7.721	7.721	2.414	8.910	6.779

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	07:04:28	103.125	131.251	164.063	106.250	245.315	7.813	716567.670	320.316	76.563
2	07:05:37	120.313	115.625	143.751	101.563	185.939	7.813	723517.660	343.754	78.125
3	07:06:45	98.438	126.563	106.250	84.375	200.001	4.688	714792.930	339.067	56.250
x		107.292	124.480	138.022	97.396	210.418	6.771	718292.750	334.379	70.313
σ		11.517	8.018	29.329	11.517	31.028	1.804	4611.091	12.402	12.204
%RSD		10.735	6.441	21.250	11.825	14.746	26.647	0.642	3.709	17.356

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	07:04:28	7.813	7.813	76.563	48.438	348.442	528.135	118913.170	210462.410	1675833.000
2	07:05:37	4.688	4.688	68.750	28.125	303.128	504.696	118766.650	210587.670	1669601.900
3	07:06:45	1.563	1.563	48.438	31.250	350.004	462.507	120722.000	212723.660	1672619.900
x		4.688	4.688	64.583	35.938	333.858	498.446	119467.270	211257.910	1672684.900
σ		3.125	3.125	14.518	10.938	26.624	33.257	1089.091	1270.917	3116.073
%RSD		66.667	66.667	22.480	30.435	7.975	6.672	0.912	0.602	0.186

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	07:04:28	1728408.500	315.628	823.461	1632.906	1537.583	3814.572	1406084.700	34549.541
2	07:05:37	1755422.400	289.065	614.076	1684.474	1511.017	3575.447	1398134.900	34706.169
3	07:06:45	1731962.100	293.753	720.331	1636.031	1462.575	3747.366	1405775.100	34663.879
x		1738597.700	299.482	719.289	1651.137	1503.725	3712.462	1403331.600	34639.863
σ		14678.559	14.178	104.697	28.913	38.032	123.324	4503.102	81.029
%RSD		0.844	4.734	14.556	1.751	2.529	3.322	0.321	0.234

C4463-16 MH3B97 11/19/2011 07:11:16 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	07:12:24	30493.448	44.792	420.319	2811.214	21454206.000	19339066.000	2773344.900	3370106.000	49672.144
2	07:13:32	31007.051	47.396	418.756	2901.857	21536683.000	19565170.000	2789285.400	3407549.200	50592.553
3	07:14:40	30853.595	49.479	395.318	2897.169	21787735.000	19762547.000	2835389.100	3440427.300	50343.237
x		30784.698	47.222	411.464	2870.080	21592875.000	19555594.000	2799339.800	3406027.500	50202.645
σ		263.642	2.349	14.005	51.033	173719.610	211902.980	32220.889	35185.360	476.039
%RSD		0.856	4.973	3.404	1.778	0.805	1.084	1.151	1.033	0.948

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	07:12:24	2546032.500	4311.588	171246.840	768194.770	3742725.500	236640.730	4128309.600	290401.650	279.690
2	07:13:32	2566497.400	4205.306	173998.540	776530.960	3764579.000	237393.700	4178654.500	293734.380	304.691
3	07:14:40	2625151.300	4300.647	175490.060	786250.950	3784479.700	240466.330	4191021.500	295549.370	257.815
x		2579227.100	4272.514	173578.480	776992.230	3763928.100	238166.920	4165995.200	293228.460	280.732
σ		41066.789	58.460	2152.571	9036.922	20884.704	2026.621	33217.309	2610.884	23.455
%RSD		1.592	1.368	1.240	1.163	0.555	0.851	0.797	0.890	8.355

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	07:12:24	50492.199	2775.269	16252.990	23725.936	8347.751	406245.250	13947.430	168.751	385.943
2	07:13:32	49330.338	2783.084	15962.038	24038.959	8471.261	412346.050	14035.016	190.626	376.567
3	07:14:40	49683.119	2989.375	15556.903	23613.249	8496.276	412796.270	13917.714	170.314	368.755
x		49835.219	2849.243	15923.977	23792.715	8438.429	410462.530	13966.720	176.564	377.088
σ		595.677	121.421	349.601	220.571	79.520	3659.195	60.984	12.204	8.606
%RSD		1.195	4.262	2.195	0.927	0.942	0.891	0.437	6.912	2.282

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	07:12:24	1873.560	968.783	28576.991	2027.748	301.566	301.566	1606.861	88.021	77.084
2	07:13:32	1901.689	918.780	28448.611	1962.635	300.003	300.003	1617.800	84.896	81.250
3	07:14:40	1948.570	967.220	29070.173	1906.898	281.253	281.253	1637.073	94.792	96.875
x		1907.940	951.594	28698.592	1965.760	294.274	294.274	1620.578	89.236	85.070
σ		37.894	28.429	328.138	60.486	11.304	11.304	15.296	5.059	10.434
%RSD		1.986	2.988	1.143	3.077	3.841	3.841	0.944	5.669	12.265

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	07:12:24	157.813	207.814	232.814	126.563	317.191	6.250	734241.430	335.941	56.250
2	07:13:32	120.313	209.377	212.502	117.188	312.503	10.938	739586.520	350.004	53.125
3	07:14:40	129.688	239.065	225.002	146.876	320.316	3.125	749263.950	359.380	37.500
x		135.938	218.752	223.439	130.209	316.670	6.771	741030.640	348.442	48.958
σ		19.516	17.609	10.246	15.176	3.932	3.932	7614.668	11.797	10.046
%RSD		14.356	8.050	4.586	11.655	1.242	58.076	1.028	3.386	20.518

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	07:12:24	1.563	1.563	35.938	45.313	317.191	412.506	332528.740	588622.510	1696916.000
2	07:13:32	3.125	3.125	39.063	42.188	271.878	381.255	337422.760	593556.430	1714555.300
3	07:14:40	3.125	3.125	28.125	34.375	278.128	398.443	337669.100	596694.110	1717247.000
x		2.604	2.604	34.375	40.625	289.065	397.401	335873.530	592957.680	1709572.800
σ		0.902	0.902	5.634	5.634	24.557	15.651	2899.294	4068.973	11043.402
%RSD		34.641	34.641	16.389	13.868	8.495	3.938	0.863	0.686	0.646

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	07:12:24	1782075.300	246.877	510.947	2483.028	2164.226	5235.334	1414973.300	51400.115
2	07:13:32	1788141.200	229.689	506.259	2440.834	2337.691	5157.181	1434579.000	51577.315
3	07:14:40	1771921.000	235.939	509.384	2556.479	2117.344	5147.802	1436516.200	51746.676
x		1780712.500	237.502	508.863	2493.447	2206.421	5180.106	1428689.500	51574.702
σ		8195.522	8.700	2.387	58.522	116.075	48.059	11918.023	173.295
%RSD		0.460	3.663	0.469	2.347	5.261	0.928	0.834	0.336

C4463-18 MH3B99 11/19/2011 07:19:12 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	07:20:20	31472.129	51.042	479.696	1686.037	22265865.000	20153265.000	2866968.900	3486787.300	55330.381
2	07:21:28	31622.461	39.063	450.007	1690.725	22549063.000	20327963.000	2918214.900	3533878.000	55523.315
3	07:22:36	31133.889	47.917	450.007	1703.227	22537962.000	20549547.000	2949114.300	3600016.500	56006.445
x		31409.493	46.007	459.903	1693.330	22450964.000	20343592.000	2911432.700	3540227.300	55620.047
σ		250.236	6.214	17.141	8.886	160395.740	198602.960	41490.560	56881.036	348.258
%RSD		0.797	13.506	3.727	0.525	0.714	0.976	1.425	1.607	0.626
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	07:20:20	2622730.200	4446.004	176633.710	794032.900	3820749.500	242454.190	4274196.800	301341.950	301.566
2	07:21:28	2687391.200	4632.001	178160.300	799147.210	3859574.600	245806.060	4308768.400	302667.980	301.566
3	07:22:36	2700478.700	4614.808	180141.160	814494.210	3911224.900	249212.760	4333553.200	301635.550	250.002
x		2670200.000	4564.271	178311.730	802558.110	3863849.700	245824.340	4305506.100	301881.830	284.378
σ		41627.585	102.782	1758.623	10648.568	45388.972	3379.322	29812.384	696.477	29.770
%RSD		1.559	2.252	0.986	1.327	1.175	1.375	0.692	0.231	10.469
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	07:20:20	45342.155	2822.154	14354.083	24904.502	8916.844	439510.050	14679.413	173.439	365.630
2	07:21:28	44335.879	2700.255	13817.617	25502.430	8643.239	441096.920	14842.081	192.189	384.380
3	07:22:36	43455.054	2951.867	13930.226	25881.236	8910.591	445173.620	15175.243	181.251	376.567
x		44377.696	2824.759	14033.975	25429.389	8823.558	441926.860	14898.912	182.293	375.526
σ		944.245	125.826	282.881	492.446	156.192	2921.574	252.753	9.418	9.419
%RSD		2.128	4.454	2.016	1.937	1.770	0.661	1.696	5.167	2.508
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	07:20:20	1898.564	970.345	27297.931	1910.544	304.691	304.691	1663.639	83.334	67.188
2	07:21:28	1936.069	918.780	28218.467	1927.213	310.941	310.941	1690.725	86.459	84.375
3	07:22:36	1890.750	932.843	28210.639	1909.503	276.565	276.565	1700.101	79.688	77.084
x		1908.461	940.656	27909.013	1915.753	297.399	297.399	1684.822	83.160	76.215
σ		24.226	26.656	529.226	9.938	18.311	18.311	18.935	3.389	8.627
%RSD		1.269	2.834	1.896	0.519	6.157	6.157	1.124	4.075	11.319
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	07:20:20	131.251	179.689	225.002	115.625	260.940	3.125	756481.360	412.506	43.750
2	07:21:28	135.938	164.063	198.439	123.438	273.440	7.813	756917.640	354.692	17.188
3	07:22:36	164.063	184.376	200.001	150.001	275.003	4.688	753116.640	346.879	46.875
x		143.751	176.043	207.814	129.688	269.794	5.208	755505.210	371.359	35.938
σ		17.747	10.636	14.906	18.020	7.708	2.387	2080.039	35.848	16.313
%RSD		12.346	6.042	7.173	13.895	2.857	45.826	0.275	9.653	45.393
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	07:20:20	3.125	3.125	29.688	35.938	378.130	409.381	339732.800	601537.910	1730949.700
2	07:21:28	1.563	1.563	20.313	35.938	453.132	328.129	345698.380	611546.570	1725244.000
3	07:22:36	3.125	3.125	25.000	37.500	425.006	356.254	347776.030	614435.400	1728984.900
x		2.604	2.604	25.000	36.458	418.756	364.588	344402.400	609173.290	1728392.900
σ		0.902	0.902	4.688	0.902	37.890	41.262	4175.291	6768.358	2898.562
%RSD		34.641	34.641	18.750	2.474	9.048	11.317	1.212	1.111	0.168
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	07:20:20	1788942.200	200.001	453.132	2373.635	2076.713	5158.744	1429757.900	52400.615	
2	07:21:28	1796710.500	228.127	473.445	2381.449	2040.771	5171.248	1452562.600	52904.028	
3	07:22:36	1803571.600	190.626	446.882	2418.955	2118.907	5190.005	1438941.400	53884.244	
x		1796408.100	206.251	457.820	2391.346	2078.797	5173.332	1440420.600	53062.963	
σ		7319.433	19.516	13.888	24.227	39.110	15.735	11474.082	754.476	
%RSD		0.407	9.462	3.034	1.013	1.881	0.304	0.797	1.422	

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4463-05 MH3B88 11/19/2011 07:27:08 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	07:28:16	30094.165	252.086	4033.382	2245.489	805437280.000	137796890.000	19878243.000	24185415.000	20726170.000
2	07:29:24	30289.890	234.898	3984.931	2222.048	809490990.000	136533970.000	19618812.000	24045694.000	20728650.000
3	07:30:32	29943.849	240.627	4086.522	2336.128	808194670.000	136583820.000	19569362.000	23793082.000	20614870.000
x		30109.301	242.537	4034.945	2267.888	807707650.000	136971560.000	19688806.000	24008064.000	20689897.000
σ		173.516	8.752	50.814	60.249	2070277.500	715189.920	165910.740	198855.220	64986.665
%RSD		0.576	3.608	1.259	2.657	0.256	0.522	0.843	0.828	0.314

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	07:28:16	8595060.800	182456.200	122364.010	3180760.700	43357833.000	967813.810	17001486.000	305685.910	78680.137
2	07:29:24	8530902.400	183103.470	123503.440	3235602.200	43490292.000	972714.840	16860543.000	306790.470	79671.547
3	07:30:32	8558516.300	184151.180	122661.860	3265371.900	43425840.000	973436.600	16902118.000	305178.360	80009.364
x		8561493.200	183236.950	122843.100	3227244.900	43424655.000	971321.750	16921383.000	305884.910	79453.683
σ		32182.643	855.337	590.941	42920.272	66237.284	3059.322	72419.359	824.271	690.876
%RSD		0.376	0.467	0.481	1.330	0.153	0.315	0.428	0.269	0.870

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	07:28:16	277954.570	218962.170	77211.218	14220931.000	57154702.000	240766340.000	5912584.200	117303.070	35940.466
2	07:29:24	288808.910	217020.370	82140.156	14303866.000	57010724.000	241326940.000	5917554.200	117909.590	36205.196
3	07:30:32	295466.430	220236.220	83546.715	14178008.000	56660991.000	242027530.000	5950287.600	117903.290	36321.114
x		287409.970	218739.590	80966.029	14234268.000	56942139.000	241373600.000	5926808.700	117705.320	36155.592
σ		8839.349	1619.435	3326.945	63980.032	253900.460	631886.140	20484.653	348.372	195.112
%RSD		3.076	0.740	4.109	0.449	0.446	0.262	0.346	0.296	0.540

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	07:28:16	315487.780	153697.380	81583.857	28641.704	1446.948	1446.948	1619.883	127.605	76.042
2	07:29:24	316171.400	155264.180	80482.322	28843.672	1489.140	1489.140	1645.407	138.542	91.146
3	07:30:32	319613.930	156044.490	80999.294	28822.275	1509.455	1509.455	1576.129	127.605	95.834
x		317091.040	155002.020	81021.824	28769.217	1481.848	1481.848	1613.806	131.251	87.674
σ		2211.465	1195.318	551.113	110.947	31.885	31.885	35.037	6.315	10.343
%RSD		0.697	0.771	0.680	0.386	2.152	2.152	2.171	4.811	11.797

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	07:28:16	33545.590	11726.686	16988.220	7506.659	19148.763	6.250	669060.540	879.715	1665.722
2	07:29:24	32999.006	11792.365	17374.622	7214.321	19361.549	9.375	667625.370	779.709	1546.959
3	07:30:32	33232.359	11822.077	17305.788	7423.803	19729.239	6.250	668525.400	859.401	1611.028
x		33258.985	11780.376	17222.877	7381.595	19413.184	7.292	668403.770	839.608	1607.903
σ		274.263	48.813	206.112	150.670	293.663	1.804	725.276	52.859	59.443
%RSD		0.825	0.414	1.197	2.041	1.513	24.744	0.109	6.296	3.697

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	07:28:16	196.876	196.876	1582.900	612.513	2525.223	5338.497	2073103.300	3719621.800	1607187.400
2	07:29:24	212.502	212.502	1481.327	689.079	2553.353	5307.236	2082546.500	3694971.900	1584116.000
3	07:30:32	185.939	185.939	1595.402	637.514	2564.293	5308.799	2079654.700	3725716.900	1588062.400
x		198.439	198.439	1553.209	646.369	2547.623	5318.177	2078434.800	3713436.900	1593121.900
σ		13.350	13.350	62.565	39.043	20.155	17.615	4838.355	16278.928	12339.858
%RSD		6.728	6.728	4.028	6.040	0.791	0.331	0.233	0.438	0.775

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	07:28:16	1672499.100	2597.111	6288.884	393506.980	320775.470	794331.650	1281358.600	150966.930
2	07:29:24	1641804.100	2389.262	5647.991	391214.030	315422.290	794135.240	1261702.100	149468.480
3	07:30:32	1636084.700	2275.181	5490.117	388560.240	315743.330	793895.910	1253947.800	148740.630
x		1650129.300	2420.518	5808.998	391093.750	317313.700	794120.930	1265669.500	149725.350
σ		19582.767	163.225	423.024	2475.561	3002.275	218.226	14129.500	1135.158
%RSD		1.187	6.743	7.282	0.633	0.946	0.027	1.116	0.758

Reviewed By:aswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4463-10 MH3B91 11/19/2011 07:35:03 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	07:36:11	29470.993	154.688	4144.351	2529.912	584029550.000	23618815.000	3401750.700	4149071.700	13578959.000
2	07:37:19	30004.915	145.313	4081.833	2445.522	590214480.000	23692888.000	3415716.800	4150162.400	13655527.000
3	07:38:27	29898.442	148.438	4184.988	2568.981	592805540.000	23807399.000	3430173.700	4183917.600	13749646.000
x		29791.450	149.480	4137.057	2514.805	589016520.000	23706367.000	3415880.400	4161050.600	13661377.000
σ		282.584	4.774	51.963	63.101	4508972.800	95011.559	14212.176	19810.904	85493.477
%RSD		0.949	3.193	1.256	2.509	0.766	0.401	0.416	0.476	0.626

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	07:36:11	7173137.200	150126.900	204967.750	4083540.500	21801232.000	201455.820	3552056.500	295836.470	102146.700
2	07:37:19	7221375.900	153139.880	206540.160	4163113.100	21837911.000	201188.030	3533728.500	299893.190	102604.650
3	07:38:27	7260798.300	152457.640	207492.880	4178472.600	22033496.000	202077.000	3577870.900	299850.110	102795.080
x		7218437.100	151908.140	206333.590	4141708.700	21890880.000	201573.620	3554552.000	298526.590	102515.480
σ		43904.388	1579.864	1275.172	50957.190	124863.240	456.045	22176.736	2329.811	333.260
%RSD		0.608	1.040	0.618	1.230	0.570	0.226	0.624	0.780	0.325

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	07:36:11	452164.680	459004.260	143436.810	8721624.200	23120675.000	148060160.000	3669606.600	45622.734	38689.821
2	07:37:19	477071.000	459034.900	151402.760	8745521.000	23074483.000	148816230.000	3687552.800	46050.666	38786.959
3	07:38:27	491942.510	462756.830	156459.940	8814286.500	23276861.000	149328970.000	3694769.400	46271.691	39200.585
x		473726.060	460265.330	150433.170	8760477.200	23157340.000	148735120.000	3683976.300	45981.697	38892.455
σ		20098.766	2157.755	6565.480	48107.622	106054.180	638278.130	12957.072	329.930	271.233
%RSD		4.243	0.469	4.364	0.549	0.458	0.429	0.352	0.718	0.697

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	07:36:11	202482.690	98557.557	50892.051	66873.344	1970.448	1970.448	1510.497	107.292	96.875
2	07:37:19	203969.240	99811.531	51619.655	67604.900	2056.398	2056.398	1618.842	110.417	90.625
3	07:38:27	205229.280	99605.412	51511.453	68159.609	2107.968	2107.968	1625.613	119.792	95.313
x		203893.730	99324.833	51341.053	67545.951	2044.938	2044.938	1584.984	112.500	94.271
σ		1374.851	672.425	392.592	645.156	69.472	69.472	64.597	6.505	3.253
%RSD		0.674	0.677	0.765	0.955	3.397	3.397	4.076	5.782	3.450

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	07:36:11	44081.970	20231.503	27341.765	13027.813	33412.466	15.625	684072.000	918.780	979.721
2	07:37:19	44052.191	20322.257	27632.949	12522.674	33970.028	15.625	682750.020	845.338	965.658
3	07:38:27	44895.435	20622.687	28116.705	12851.090	33680.281	7.813	687194.770	823.461	943.781
x		44343.199	20392.149	27697.140	12800.526	33687.592	13.021	684672.260	862.526	963.053
σ		478.482	204.743	391.437	256.338	278.853	4.511	2282.367	49.930	18.111
%RSD		1.079	1.004	1.413	2.003	0.828	34.641	0.333	5.789	1.881

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	07:36:11	235.939	235.939	862.526	457.820	3922.413	3748.929	726431.980	1288164.500	1585334.400
2	07:37:19	201.564	201.564	835.962	465.633	3891.155	3959.924	726339.980	1290468.600	1585466.700
3	07:38:27	209.377	209.377	878.152	612.513	3853.645	3877.088	729711.710	1297596.300	1575892.300
x		215.627	215.627	858.880	511.989	3889.071	3861.981	727494.560	1292076.500	1582231.200
σ		18.020	18.020	21.330	87.144	34.432	106.305	1920.659	4917.172	5489.997
%RSD		8.357	8.357	2.483	17.021	0.885	2.753	0.264	0.381	0.347

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	07:36:11	1643567.100	1637.594	3877.088	135390.100	112026.600	279092.050	1258765.400	51429.910
2	07:37:19	1636566.800	1668.848	3811.446	137327.210	112144.700	281467.670	1263467.000	50835.601
3	07:38:27	1645690.400	1571.961	3920.851	137260.950	110590.470	279985.850	1266968.700	50457.702
x		1641941.400	1626.134	3869.795	136659.420	111587.260	280181.850	1263067.000	50907.738
σ		4774.132	49.449	55.066	1099.762	865.260	1199.877	4116.209	490.102
%RSD		0.291	3.041	1.423	0.805	0.775	0.428	0.326	0.963

C4463-11 MH3B92 11/19/2011 07:42:59 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	07:44:07	29752.826	63.021	6982.956	1953.258	502804890.000	16084572.000	2315476.800	2823097.200	1978572.000
2	07:45:15	29497.610	66.146	6993.899	1972.011	504065910.000	16219425.000	2324121.900	2839558.800	2043301.600
3	07:46:23	29900.008	61.979	7108.018	1926.692	507250050.000	16223967.000	2344290.200	2841897.600	1990300.600
x		29716.814	63.715	7028.291	1950.654	504706950.000	16175988.000	2327963.000	2834851.200	2004058.100
σ		203.602	2.168	69.262	22.771	2290867.600	79201.263	14785.726	10246.176	34488.116
%RSD		0.685	3.403	0.985	1.167	0.454	0.490	0.635	0.361	1.721

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	07:44:07	4693638.500	47080.578	1078008.800	4263497.700	29402230.000	224617.710	3960001.700	289132.540	17858.030
2	07:45:15	4728492.900	47323.566	1085097.800	4332335.600	29511100.000	227344.720	3978787.300	289248.930	17664.039
3	07:46:23	4708781.700	46955.166	1076639.200	4327564.700	29544187.000	224843.090	3974338.800	290546.740	17720.359
x		4710304.400	47119.770	1079915.300	4307799.300	29485839.000	225601.840	3971042.600	289642.740	17747.476
σ		17476.979	187.301	4540.112	38440.437	74273.303	1513.577	9816.992	785.051	99.798
%RSD		0.371	0.397	0.420	0.892	0.252	0.671	0.247	0.271	0.562

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	07:44:07	398847.370	134882.210	119017.160	8273662.300	17680698.000	139846430.000	3454973.700	8188.283	8960.622
2	07:45:15	422379.760	135046.250	124977.110	8305623.100	17802887.000	140939720.000	3479809.700	8053.832	8940.297
3	07:46:23	435512.250	133984.760	130067.560	8291588.300	17795225.000	141313120.000	3487802.400	8233.622	8959.058
x		418913.130	134637.740	124687.270	8290291.200	17759603.000	140699760.000	3474195.300	8158.579	8953.326
σ		18576.639	571.413	5530.897	16019.857	68441.340	762220.550	17119.392	93.503	11.310
%RSD		4.434	0.424	4.436	0.193	0.385	0.542	0.493	1.146	0.126

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	07:44:07	67859.226	32867.453	9592.282	34900.914	1909.503	1909.503	1605.299	95.834	87.500
2	07:45:15	67290.923	32782.885	9437.491	35235.066	1997.015	1997.015	1644.366	104.688	84.896
3	07:46:23	68124.547	32851.793	9748.638	35364.552	2200.169	2200.169	1648.533	82.292	89.063
x		67758.232	32834.044	9592.804	35166.844	2035.562	2035.562	1632.732	94.271	87.153
σ		425.890	44.992	155.574	239.230	149.118	149.118	23.849	11.279	2.105
%RSD		0.629	0.137	1.622	0.680	7.326	7.326	1.461	11.965	2.415

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	07:44:07	24168.865	12444.480	16622.165	8002.241	20580.439	20.313	691167.190	545.323	587.512
2	07:45:15	24539.809	12336.574	16708.203	8074.156	20962.243	7.813	691206.530	581.262	635.952
3	07:46:23	24317.554	12309.989	16354.669	7914.692	20719.702	7.813	697814.890	578.137	626.576
x		24342.076	12363.681	16561.679	7997.029	20754.128	11.979	693396.210	568.240	616.680
σ		186.684	71.226	184.365	79.860	193.216	7.217	3826.746	19.909	25.691
%RSD		0.767	0.576	1.113	0.999	0.931	60.245	0.552	3.504	4.166

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	07:44:07	123.438	123.438	589.075	104.688	1656.346	3797.380	118178.990	209606.210	1595487.900
2	07:45:15	75.000	75.000	575.012	131.251	1620.404	4039.634	117797.740	208986.280	1602526.700
3	07:46:23	93.750	93.750	576.574	173.439	1648.533	3788.002	117381.840	208910.180	1603434.700
x		97.396	97.396	580.220	136.459	1641.761	3875.005	117786.190	209167.560	1600483.100
σ		24.424	24.424	7.708	34.670	18.903	142.649	398.704	381.781	4349.737
%RSD		25.077	25.077	1.328	25.407	1.151	3.681	0.338	0.183	0.272

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	07:44:07	1659260.200	428.131	910.967	74759.165	62119.140	155603.790	1299514.100	8738.609
2	07:45:15	1671797.100	367.192	898.466	76521.584	62335.705	154760.320	1299920.600	8737.046
3	07:46:23	1658072.500	348.442	787.522	75445.572	61882.177	157527.830	1289763.700	8793.331
x		1663043.300	381.255	865.651	75575.440	62112.340	155963.980	1296399.500	8756.329
σ		7604.225	41.665	67.950	888.358	226.840	1418.475	5750.354	32.054
%RSD		0.457	10.928	7.850	1.175	0.365	0.909	0.444	0.366

C4463-05X25 MH3B88 11/19/2011 07:50:56 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	07:52:04	30346.260	48.958	318.754	939.093	36335846.000	5980240.500	830788.830	1026284.300	924715.170
2	07:53:12	30706.403	43.229	290.628	968.783	36900183.000	6036080.400	838213.630	1036823.100	935866.750
3	07:54:20	31243.503	55.208	279.690	925.030	37170914.000	6075538.600	847055.130	1045623.300	945994.440
x		30765.389	49.132	296.357	944.302	36802314.000	6030619.800	838685.860	1036243.600	935525.450
σ		451.521	5.991	20.152	22.337	426050.100	47883.139	8143.431	9682.533	10643.739
%RSD		1.468	12.195	6.800	2.365	1.158	0.794	0.971	0.934	1.138

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	07:52:04	379884.660	10758.737	73378.597	906934.070	2665035.900	42724.731	696770.410	294083.640	3530.124
2	07:53:12	382532.040	11199.701	74605.238	914267.590	2692831.900	41814.231	707902.870	296614.860	3530.124
3	07:54:20	388338.710	11005.800	74316.238	911209.290	2712588.000	42398.762	713681.570	298632.820	3745.804
x		383585.140	10988.080	74100.024	910803.650	2690151.900	42312.575	706118.280	296443.770	3602.017
σ		4324.296	221.015	641.267	3683.549	23889.031	461.329	8595.661	2279.408	124.523
%RSD		1.127	2.011	0.865	0.404	0.888	1.090	1.217	0.769	3.457

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	07:52:04	136227.700	12058.212	44685.403	649164.000	2532846.400	10872521.000	263975.960	5366.633	1771.985
2	07:53:12	127675.810	12347.521	42202.871	657241.350	2567238.400	11094322.000	269540.940	5374.448	1845.432
3	07:54:20	121174.240	12335.011	40151.659	663332.150	2575948.700	11154847.000	268908.880	5383.827	1900.126
x		128359.250	12246.915	42346.644	656579.170	2558677.800	11040564.000	267475.260	5374.969	1839.181
σ		7549.963	163.541	2270.289	7107.250	22790.710	148642.290	3046.916	8.609	64.299
%RSD		5.882	1.335	5.361	1.082	0.891	1.346	1.139	0.160	3.496

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	07:52:04	14784.209	7392.537	4094.337	3585.867	825.024	825.024	1645.407	97.396	73.959
2	07:53:12	14754.490	7319.062	4047.448	3596.286	807.835	807.835	1667.285	73.438	83.334
3	07:54:20	15115.805	7361.271	4175.610	3401.968	735.956	735.956	1666.243	92.709	82.292
x		14884.835	7357.623	4105.798	3528.040	789.605	789.605	1659.645	87.847	79.861
σ		200.578	36.873	64.845	109.306	47.249	47.249	12.341	12.697	5.138
%RSD		1.348	0.501	1.579	3.098	5.984	5.984	0.744	14.454	6.434

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	07:52:04	1421.946	562.511	846.900	409.381	907.841	6.250	747116.700	354.692	93.750
2	07:53:12	1487.577	567.199	782.834	329.691	968.783	1.563	750509.670	354.692	126.563
3	07:54:20	1387.567	600.013	765.646	364.067	914.092	0.000	759046.570	331.254	120.313
x		1432.363	576.574	798.460	367.713	930.239	2.604	752224.320	346.879	113.542
σ		50.812	20.433	42.822	39.970	33.526	3.253	6146.989	13.532	17.423
%RSD		3.547	3.544	5.363	10.870	3.604	124.900	0.817	3.901	15.345

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	07:52:04	9.375	9.375	114.063	39.063	256.252	325.004	90746.686	160457.030	1685132.800
2	07:53:12	6.250	6.250	89.063	59.375	195.314	312.503	91787.680	161931.340	1689561.400
3	07:54:20	17.188	17.188	118.750	45.313	243.752	325.004	91754.656	163595.450	1699713.300
x		10.938	10.938	107.292	47.917	231.773	320.837	91429.674	161994.610	1691469.100
σ		5.634	5.634	15.960	10.404	32.187	7.217	591.715	1570.166	7475.101
%RSD		51.508	51.508	14.875	21.712	13.887	2.249	0.647	0.969	0.442

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	07:52:04	1732830.400	207.814	437.507	17689.070	14235.214	35351.499	1392768.700	6396.744
2	07:53:12	1759741.300	226.564	465.633	17595.204	14455.748	35893.473	1417686.000	6579.640
3	07:54:20	1753625.100	239.065	579.699	17823.612	14706.003	36133.138	1412663.700	6609.341
x		1748732.300	224.481	494.280	17702.629	14465.655	35792.703	1407706.100	6528.575
σ		14106.841	15.729	75.301	114.806	235.551	400.445	13177.684	115.131
%RSD		0.807	7.007	15.234	0.649	1.628	1.119	0.936	1.763

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	08:00:01	30235.087	48.958	298.441	940.656	25782522.000	1019716.200	142204.270	174914.310	615116.940
2	08:01:09	30136.441	49.479	240.627	881.277	25812837.000	1018447.500	141277.960	175513.780	610989.090
3	08:02:17	30125.481	55.729	209.377	953.157	25659212.000	1013747.400	140735.140	174751.400	607142.700
x		30165.670	51.389	249.481	925.030	25751524.000	1017303.700	141405.790	175059.830	611082.910
σ		60.366	3.768	45.187	38.403	81368.483	3144.488	742.860	401.485	3987.948
%RSD		0.200	7.332	18.113	4.152	0.316	0.309	0.525	0.229	0.653

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	08:00:01	311953.620	9435.928	77550.548	902956.060	1655952.800	8419.668	144241.730	292085.460	4297.521
2	08:01:09	311318.100	9212.344	79209.614	899933.360	1656293.800	8550.996	142821.310	291050.590	4188.114
3	08:02:17	311854.610	9141.987	78194.670	902813.060	1647826.200	8796.457	142024.370	296011.920	4286.581
x		311708.780	9263.420	78318.277	901900.830	1653357.600	8589.040	143029.140	293049.320	4257.405
σ		341.937	153.482	836.411	1705.375	4793.351	191.254	1123.195	2617.341	60.257
%RSD		0.110	1.657	1.068	0.189	0.290	2.227	0.785	0.893	1.415

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	08:00:01	100308.740	21530.275	33315.364	388918.230	977177.960	6607409.800	157831.150	1970.448	1784.486
2	08:01:09	97462.583	21533.404	32190.916	392643.060	967605.050	6580700.800	156336.720	2084.527	1792.300
3	08:02:17	95000.771	21151.585	31822.905	383953.800	965287.100	6509239.200	155805.970	2125.158	1682.912
x		97590.700	21405.088	32443.062	388505.030	970023.370	6565783.300	156657.950	2060.045	1753.233
σ		2656.305	219.546	777.523	4359.344	6303.519	50756.968	1050.105	80.208	61.025
%RSD		2.722	1.026	2.397	1.122	0.650	0.773	0.670	3.894	3.481

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	08:00:01	8985.638	4225.625	2665.874	4409.014	562.511	562.511	1612.591	88.021	80.729
2	08:01:09	9085.701	4219.373	2676.813	4375.670	640.639	640.639	1650.095	97.396	78.646
3	08:02:17	8763.625	4378.796	2559.604	4435.063	557.823	557.823	1676.661	78.125	71.354
x		8944.988	4274.598	2634.097	4406.582	586.991	586.991	1646.449	87.847	76.910
σ		164.841	90.292	64.744	29.771	46.520	46.520	32.190	9.637	4.923
%RSD		1.843	2.112	2.458	0.676	7.925	7.925	1.955	10.970	6.401

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	08:00:01	1932.943	901.591	1181.299	601.575	1406.319	9.375	748630.440	350.004	73.438
2	08:01:09	1897.001	914.092	1212.552	601.575	1390.693	3.125	741407.030	365.630	54.688
3	08:02:17	1892.313	889.090	1171.923	553.136	1526.644	6.250	748704.490	370.317	65.625
x		1907.419	901.591	1188.591	585.429	1441.219	6.250	746247.320	361.984	64.583
σ		22.229	12.501	21.273	27.967	74.392	3.125	4191.976	10.636	9.418
%RSD		1.165	1.387	1.790	4.777	5.162	50.000	0.562	2.938	14.583

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	08:00:01	17.188	17.188	64.063	48.438	275.003	262.502	31425.151	55222.151	1671748.100
2	08:01:09	10.938	10.938	57.813	35.938	279.690	229.689	30834.804	54644.938	1667480.500
3	08:02:17	12.500	12.500	57.813	40.625	287.503	265.627	30903.703	54910.014	1688239.900
x		13.542	13.542	59.896	41.667	280.732	252.606	31054.553	54925.701	1675822.800
σ		3.253	3.253	3.608	6.315	6.315	19.908	322.791	288.926	10963.152
%RSD		24.019	24.019	6.025	15.155	2.249	7.881	1.039	0.526	0.654

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	08:00:01	1723694.500	168.751	507.822	6087.234	5100.911	12654.039	1407206.300	2265.805
2	08:01:09	1721516.300	206.251	445.319	6410.813	5252.528	12855.782	1396635.900	2229.862
3	08:02:17	1749899.300	184.376	501.571	6240.425	5291.605	13018.429	1413880.400	2317.375
x		1731703.400	186.460	484.904	6246.158	5215.014	12842.750	1405907.500	2271.014
σ		15795.689	18.837	34.423	161.866	100.730	182.544	8695.308	43.989
%RSD		0.912	10.102	7.099	2.591	1.932	1.421	0.618	1.937

C4463-11X25 MH3B92 11/19/2011 08:06:50 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	08:07:58	30203.771	40.625	310.941	812.523	21674230.000	670062.130	92959.282	114481.880	125549.280
2	08:09:06	29591.554	41.667	368.755	775.021	21705683.000	673880.930	93287.976	115699.450	125932.310
3	08:10:14	30358.786	44.271	312.503	842.212	21558390.000	669050.720	93396.494	115904.220	126060.000
x̄		30051.370	42.188	330.733	809.919	21646101.000	670997.930	93214.584	115361.850	125847.200
σ		405.686	1.878	32.937	33.671	77570.762	2547.453	227.659	768.921	265.786
%RSD		1.350	4.451	9.959	4.157	0.358	0.380	0.244	0.667	0.211

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	08:07:58	196096.080	4880.521	113168.350	890991.930	1933084.800	9331.172	157554.680	288270.060	898.466
2	08:09:06	199007.810	5046.204	113292.770	894996.620	1935564.300	9403.094	156128.210	290533.990	826.586
3	08:10:14	195649.390	5169.685	112897.470	895455.320	1938546.600	9514.105	155805.970	293024.710	889.090
x̄		196917.760	5032.137	113119.530	893814.630	1935731.900	9416.123	156496.290	290609.590	871.381
σ		1823.761	145.094	202.121	2455.260	2734.745	92.160	930.649	2378.228	39.075
%RSD		0.926	2.883	0.179	0.275	0.141	0.979	0.595	0.818	4.484

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	08:07:58	78716.273	7985.043	25436.688	360927.530	725117.670	6171358.400	147566.050	423.444	687.517
2	08:09:06	77839.614	8119.494	25306.770	363042.620	730781.550	6180830.200	147094.030	414.068	737.519
3	08:10:14	75987.495	7883.425	25275.465	361012.440	721965.450	6156902.200	147166.650	451.570	745.332
x̄		77514.461	7995.988	25339.641	361660.860	725954.890	6169696.900	147275.570	429.694	723.456
σ		1393.144	118.415	85.490	1197.389	4467.285	12050.222	254.164	19.516	31.369
%RSD		1.797	1.481	0.337	0.331	0.615	0.195	0.173	4.542	4.336

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	08:07:58	3247.244	1450.074	589.075	2710.674	507.822	507.822	1679.786	76.563	73.959
2	08:09:06	3075.331	1478.201	607.825	2745.576	528.135	528.135	1605.299	83.334	84.896
3	08:10:14	3186.293	1571.961	578.137	2683.585	521.885	521.885	1684.474	80.209	95.313
x̄		3169.623	1500.079	591.679	2713.278	519.280	519.280	1656.520	80.035	84.722
σ		87.160	63.821	15.015	31.077	10.404	10.404	44.421	3.389	10.678
%RSD		2.750	4.255	2.538	1.145	2.004	2.004	2.682	4.234	12.604

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	08:07:58	1050.039	525.010	675.016	350.004	921.905	3.125	731228.580	310.941	45.313
2	08:09:06	1017.224	560.949	695.329	345.317	918.780	7.813	745853.180	365.630	37.500
3	08:10:14	1043.788	484.383	706.267	359.380	931.280	7.813	739607.900	339.067	34.375
x̄		1037.017	523.447	692.204	351.567	923.988	6.250	738896.550	338.546	39.063
σ		17.424	38.307	15.858	7.160	6.506	2.706	7338.204	27.348	5.634
%RSD		1.680	7.318	2.291	2.037	0.704	43.301	0.993	8.078	14.422

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	08:07:58	6.250	6.250	29.688	18.750	185.939	250.002	4935.227	8563.503	1676615.800
2	08:09:06	4.688	4.688	40.625	15.625	159.376	254.690	4939.916	8783.950	1672126.200
3	08:10:14	9.375	9.375	32.813	15.625	181.251	250.002	4919.597	8712.031	1680801.900
x̄		6.771	6.771	34.375	16.667	175.522	251.565	4931.580	8686.495	1676514.600
σ		2.387	2.387	5.634	1.804	14.178	2.706	10.639	112.420	4338.713
%RSD		35.251	35.251	16.389	10.825	8.078	1.076	0.216	1.294	0.259

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	08:07:58	1734154.100	112.500	331.254	3497.303	2847.159	7039.234	1391266.700	398.443
2	08:09:06	1732543.900	98.438	271.878	3506.680	2812.777	7145.537	1402505.700	407.818
3	08:10:14	1743090.500	140.626	301.566	3434.788	2847.159	7186.182	1411947.900	414.068
x̄		1736596.200	117.188	301.566	3479.590	2835.698	7123.651	1401906.800	406.777
σ		5681.599	21.481	29.688	39.082	19.850	75.879	10353.579	7.865
%RSD		0.327	18.330	9.845	1.123	0.700	1.065	0.739	1.933

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P8

CCV63 11/19/2011 08:14:46 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	08:15:54	30925.625	48171.706	8626.041	967.220	61762409.000	44986587.000	6443462.600	7857347.600	11884735.000
2	08:17:02	31066.555	48414.713	8615.097	976.596	62063159.000	45467469.000	6465906.500	7885379.500	11983025.000
3	08:18:10	31367.211	48259.502	8649.493	1029.725	61909286.000	45298475.000	6466174.200	7884907.200	11945071.000
x		31119.797	48281.974	8630.210	991.180	61911618.000	45250844.000	6458514.500	7875878.100	11937610.000
σ		225.556	123.052	17.573	33.708	150388.470	243953.660	13035.940	16049.597	49567.832
%RSD		0.725	0.255	0.204	3.401	0.243	0.539	0.202	0.204	0.415

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	08:15:54	134139.320	677802.250	138661.890	796842.410	41122766.000	191962.380	3358315.600	299566.120	98049.391
2	08:17:02	133581.000	678671.800	139600.650	807150.760	41420554.000	193734.500	3366284.900	299979.340	98334.150
3	08:18:10	134388.530	687765.000	138863.830	803199.640	41244570.000	191924.370	3399547.400	302428.610	98326.284
x		134036.280	681413.020	139042.120	802397.600	41262630.000	192540.420	3374716.000	300658.020	98236.608
σ		413.504	5518.136	494.125	5200.765	149713.210	1034.280	21870.676	1547.233	162.183
%RSD		0.309	0.810	0.355	0.648	0.363	0.537	0.648	0.515	0.165

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	08:15:54	1510877.200	1360827.500	181087.390	5428045.700	4335878.500	91622029.000	2240172.700	1670174.300	355585.090
2	08:17:02	1504348.500	1360539.400	180544.650	5394729.700	4373727.400	92176645.000	2263225.000	1664195.700	354020.380
3	08:18:10	1521273.500	1383443.300	181095.300	5488653.300	4420368.400	92456554.000	2263783.300	1677699.800	356027.150
x		1512166.400	1368270.000	180909.110	5437142.900	4376658.100	92085076.000	2255727.000	1670689.900	355210.870
σ		8535.835	13141.212	315.661	47618.056	42321.127	424731.230	13473.307	6766.832	1054.424
%RSD		0.564	0.960	0.174	0.876	0.967	0.461	0.597	0.405	0.297

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	08:15:54	1771572.100	873261.410	725107.810	310446.840	17502.903	17502.903	57301.671	23200.595	98.438
2	08:17:02	1776803.400	872756.940	726699.790	311373.990	17631.186	17631.186	57200.747	23140.080	96.875
3	08:18:10	1791917.000	884088.470	729386.330	311854.610	17737.567	17737.567	57631.640	23149.992	95.834
x		1780097.500	876702.280	727064.640	311225.150	17623.886	17623.886	57378.019	23163.556	97.049
σ		10564.935	6401.605	2162.467	715.591	117.502	117.502	225.364	32.457	1.311
%RSD		0.594	0.730	0.297	0.230	0.667	0.667	0.393	0.140	1.351

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	08:15:54	310427.150	544352.280	594831.290	345320.660	898932.580	7.813	742967.880	36999.414	1711267.300
2	08:17:02	311220.700	546348.220	593963.460	347331.020	906305.370	17.188	747858.740	37051.110	1708775.100
3	08:18:10	312699.340	545460.560	596301.660	344333.180	914122.810	7.813	753034.340	36891.323	1719364.800
x		311449.060	545387.020	595032.140	345661.620	906453.590	10.938	747953.650	36980.616	1713135.700
σ		1153.182	1000.001	1181.967	1527.727	7596.199	5.413	5033.899	81.536	5536.610
%RSD		0.370	0.183	0.199	0.442	0.838	49.487	0.673	0.220	0.323

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	08:15:54	27740.971	27740.971	1666136.400	422040.260	1150397.000	1757545.600	1541305.000	2735902.100	1700511.300
2	08:17:02	27557.805	27557.805	1667751.700	424375.110	1149352.000	1778381.300	1561149.300	2740576.100	1717359.400
3	08:18:10	27700.267	27700.267	1670860.500	423353.260	1162786.000	1796454.600	1553473.200	2754503.100	1703861.900
x		27666.348	27666.348	1668249.500	423256.210	1154178.300	1777460.500	1551975.800	2743660.500	1707244.200
σ		96.179	96.179	2401.074	1170.446	7472.722	19470.849	10006.551	9676.469	8918.752
%RSD		0.348	0.348	0.144	0.277	0.647	1.095	0.645	0.353	0.522

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	08:15:54	1763939.800	2354749.100	5779697.500	1873604.200	1749343.200	4226124.600	1395585.600	9194972.300
2	08:17:02	1783562.000	2373425.900	5781120.700	1883086.400	1756258.600	4266329.700	1399271.300	9241610.400
3	08:18:10	1752060.400	2371937.600	5830759.000	1881105.400	1755008.700	4254834.200	1395838.300	9271430.700
x		1766520.700	2366704.200	5797192.400	1879265.300	1753536.800	4249096.200	1396898.400	9236004.500
σ		15908.611	10380.103	29078.222	5001.736	3685.174	20707.631	2058.885	38536.219
%RSD		0.901	0.439	0.502	0.266	0.210	0.487	0.147	0.417

CCB63 11/19/2011 08:22:40 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	08:23:48	31296.745	44.792	151.563	856.276	590536.630	7561.376	970.345	1126.607	46132.179
2	08:24:56	31386.003	42.188	109.375	854.713	592874.280	6587.456	823.461	984.409	46276.394
3	08:26:04	30828.541	49.479	93.750	776.584	591479.130	5377.574	804.710	846.900	45895.481
x		31170.429	45.486	118.230	829.191	591630.010	6508.802	866.172	985.972	46101.351
σ		299.429	3.695	29.906	45.566	1176.105	1094.023	90.702	139.860	192.319
%RSD		0.961	8.124	25.295	5.495	0.199	16.808	10.472	14.185	0.417
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	08:23:48	4356.914	3508.243	71098.360	789408.780	763473.370	82.813	2370.509	297195.490	164.063
2	08:24:56	4591.363	3389.465	71167.453	799266.090	762511.480	90.625	2292.371	299583.670	171.876
3	08:26:04	4422.560	3451.979	71399.858	787715.940	766478.020	84.375	2342.380	296450.570	143.751
x		4456.945	3449.896	71221.890	792130.270	764154.290	85.938	2335.087	297743.240	159.897
σ		120.948	59.417	157.949	6237.498	2069.084	4.134	39.576	1636.797	14.518
%RSD		2.714	1.722	0.222	0.787	0.271	4.810	1.695	0.550	9.080
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	08:23:48	43991.066	2575.232	14964.083	15985.501	1826.679	216059.090	3598.891	178.126	226.564
2	08:24:56	42900.256	2509.595	14510.491	16130.977	1720.416	213813.180	3470.734	150.001	218.752
3	08:26:04	41768.785	2497.093	13916.150	15608.522	1482.890	209385.820	3472.297	81.250	220.314
x		42886.702	2527.307	14463.575	15908.334	1676.662	213086.030	3513.974	136.459	221.877
σ		1111.202	41.973	525.540	269.640	176.022	3395.540	73.544	49.837	4.134
%RSD		2.591	1.661	3.634	1.695	10.498	1.594	2.093	36.522	1.863
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	08:23:48	481.258	184.376	445.319	936.489	301.566	301.566	1719.374	86.979	85.417
2	08:24:56	417.194	195.314	375.005	928.155	250.002	250.002	1708.956	89.063	80.209
3	08:26:04	407.818	131.251	431.257	891.694	292.190	292.190	1725.625	77.084	73.959
x		435.423	170.314	417.194	918.780	281.253	281.253	1717.985	84.375	79.861
σ		39.970	34.269	37.207	23.824	27.467	27.467	8.421	6.400	5.737
%RSD		9.180	20.121	8.918	2.593	9.766	9.766	0.490	7.585	7.184
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	08:23:48	240.627	395.318	395.318	223.439	631.264	3.125	763201.590	351.567	118.750
2	08:24:56	189.064	268.753	312.503	179.689	370.317	0.000	773222.620	360.942	76.563
3	08:26:04	137.501	179.689	187.501	117.188	332.816	3.125	759224.410	304.691	68.750
x		189.064	281.253	298.441	173.439	444.799	2.083	765216.210	339.067	88.021
σ		51.563	108.357	104.620	53.401	162.568	1.804	7213.283	30.137	26.898
%RSD		27.273	38.526	35.055	30.789	36.549	86.603	0.943	8.888	30.558
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	08:23:48	3.125	3.125	100.000	37.500	1206.301	3391.027	78.125	175.001	1709708.700
2	08:24:56	4.688	4.688	81.250	15.625	1012.536	2422.080	60.938	118.750	1716477.900
3	08:26:04	4.688	4.688	43.750	15.625	760.958	1790.737	25.000	29.688	1681444.800
x		4.167	4.167	75.000	22.917	993.265	2534.615	54.688	107.813	1702543.800
σ		0.902	0.902	28.641	12.630	223.296	806.058	27.108	73.272	18583.112
%RSD		21.651	21.651	38.188	55.111	22.481	31.802	49.570	67.962	1.091
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	08:23:48	1751087.100	376.567	942.219	310.941	282.815	721.893	1426250.700	979.721	
2	08:24:56	1764787.100	351.567	776.584	250.002	221.877	523.447	1440529.200	615.638	
3	08:26:04	1749816.600	270.315	710.955	225.002	200.001	468.758	1423920.500	321.879	
x		1755230.300	332.816	809.919	261.982	234.898	571.366	1430233.400	639.079	
σ		8300.789	55.552	119.181	44.204	42.915	133.197	8992.179	329.547	
%RSD		0.473	16.692	14.715	16.873	18.270	23.312	0.629	51.566	

Reviewed By as/at
On 11/21/2011
12:38:57 PM
Inst Id :P8

C4463-02 MH3B8S 11/19/2011 08:30:34 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	08:31:42	31077.517	53.646	2867.475	4416.307	1251287000.000	994159620.000	147117780.000	179500170.000	549151.110
2	08:32:50	30945.982	57.813	2929.988	4525.717	1241833000.000	973441130.000	144025470.000	175624100.000	537298.900
3	08:33:58	30958.509	65.625	3008.129	4655.446	1243086500.000	972539180.000	142624860.000	173592740.000	532236.460
x		30994.002	59.028	2935.198	4532.490	1245402200.000	980046650.000	144589370.000	176239000.000	539562.160
σ		72.596	6.081	70.472	119.713	5134775.500	12230513.000	2298928.800	3001334.800	8681.484
%RSD		0.234	10.303	2.401	2.641	0.412	1.248	1.590	1.703	1.609

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	08:31:42	2342730.900	347915.300	140389.580	2514605.100	106310100.000	213102.680	3760465.000	290921.440	4888.336
2	08:32:50	2251963.500	346948.450	142764.500	2567085.500	105677110.000	210895.280	3743674.800	288659.050	4844.571
3	08:33:58	2203998.800	347006.080	142543.560	2591913.900	105849050.000	211954.540	3699392.700	288493.250	4974.303
x		2266231.000	347289.940	141899.210	2557868.200	105945420.000	211984.170	3734510.800	289357.910	4902.404
σ		70457.923	542.337	1312.043	39470.017	327313.380	1103.997	31550.610	1356.590	66.000
%RSD		3.109	0.156	0.925	1.543	0.309	0.521	0.845	0.469	1.346

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	08:31:42	101575.460	26236.570	27435.695	549724.090	5023638.300	9376073.100	229864.240	3841.141	10336.551
2	08:32:50	109874.040	26958.225	30131.744	549071.580	5004094.600	9421645.200	233051.190	3673.910	10405.351
3	08:33:58	112683.290	26875.256	30945.982	551633.110	4998705.100	9445935.900	230961.410	3641.089	10697.754
x		108044.260	26690.017	29504.473	550142.930	5008812.600	9414551.400	231292.280	3718.713	10479.885
σ		5775.555	394.881	1837.289	1331.135	13119.136	35467.510	1619.034	107.288	191.790
%RSD		5.346	1.480	6.227	0.242	0.262	0.377	0.700	2.885	1.830

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	08:31:42	14271.187	5265.033	6276.378	18248.627	746.895	746.895	1686.037	141.147	92.709
2	08:32:50	14322.801	5327.556	5982.502	18731.022	909.404	909.404	1704.268	128.126	88.021
3	08:33:58	14325.930	5515.127	5952.802	18998.562	954.719	954.719	1694.371	126.042	82.813
x		14306.639	5369.238	6070.561	18659.404	870.339	870.339	1694.892	131.771	87.847
σ		30.742	130.153	178.861	380.062	109.281	109.281	9.127	8.186	4.950
%RSD		0.215	2.424	2.946	2.037	12.556	12.556	0.538	6.212	5.635

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	08:31:42	48386.493	720.331	8818.346	473.445	1212.552	4.688	672419.100	950.032	501.571
2	08:32:50	49483.993	762.520	8977.820	482.821	1126.607	18.750	676434.990	948.469	434.382
3	08:33:58	49886.953	703.142	9104.463	495.321	1240.679	3.125	673756.510	1114.106	443.757
x		49252.479	728.664	8966.876	483.862	1193.279	8.854	674203.530	1004.202	459.903
σ		776.559	30.554	143.372	10.975	59.428	8.606	2044.926	95.183	36.389
%RSD		1.577	4.193	1.599	2.268	4.980	97.192	0.303	9.478	7.912

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	08:31:42	245.315	245.315	431.257	96.875	532.822	1087.541	1061598.800	1888860.600	1586660.900
2	08:32:50	298.441	298.441	320.316	106.250	492.196	1148.484	1057214.300	1887402.700	1564462.200
3	08:33:58	260.940	260.940	293.753	70.313	465.633	1014.098	1057308.400	1870208.900	1547372.200
x		268.232	268.232	348.442	91.146	496.884	1083.374	1058707.200	1882157.400	1566165.100
σ		27.303	27.303	72.939	18.641	33.839	67.289	2504.659	10373.360	19699.630
%RSD		10.179	10.179	20.933	20.452	6.810	6.211	0.237	0.551	1.258

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	08:31:42	1642464.500	1310.998	2951.867	5224.393	4260.010	10549.280	1211676.300	39908.792
2	08:32:50	1621361.300	809.398	1904.815	4727.345	4305.336	10191.134	1197652.000	38542.548
3	08:33:58	1606601.700	643.765	1676.661	4702.336	3966.175	9978.484	1184715.300	38450.112
x		1623475.800	921.387	2177.781	4884.691	4177.174	10272.966	1198014.500	38967.151
σ		18024.673	347.428	680.015	294.456	184.130	342.804	13484.154	816.794
%RSD		1.110	37.707	31.225	6.028	4.408	3.337	1.126	2.096

Reviewed By:aswal
Oct 11/21/2011
12:38:57 PM
Inst Id :P8

C4463-03 MH3B86 11/19/2011 08:38:29 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	08:39:37	29461.598	64.063	4191.240	5544.826	865380120.000	132161820.000	18792739.000	22757354.000	2655562.200
2	08:40:45	29370.787	51.042	4130.284	5635.486	855800880.000	131014720.000	18557190.000	22513737.000	2616369.000
3	08:41:54	30017.441	57.292	4080.270	5640.176	845568530.000	129019030.000	18390635.000	22297578.000	2574395.500
x		29616.609	57.465	4133.931	5606.829	855583170.000	130731860.000	18580188.000	22522890.000	2615442.200
σ		350.088	6.512	55.575	53.748	9907590.900	1590374.900	202036.240	230024.670	40591.286
%RSD		1.182	11.332	1.344	0.959	1.158	1.217	1.087	1.021	1.552

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	08:39:37	4241994.200	195088.680	247945.690	4519936.100	36736142.000	912931.380	15898918.000	281534.590	21633.555
2	08:40:45	4203942.200	190522.990	244968.420	4511513.900	36212117.000	899728.880	15733534.000	279248.180	21570.961
3	08:41:54	4146635.900	189215.150	242684.620	4493379.400	35754291.000	890123.010	15528951.000	278841.920	21339.364
x		4197524.100	191608.940	245199.570	4508276.400	36234183.000	900927.760	15720468.000	279874.900	21514.627
σ		48002.040	3083.673	2638.140	13571.092	491296.930	11451.349	185329.380	1451.620	154.975
%RSD		1.144	1.609	1.076	0.301	1.356	1.271	1.179	0.519	0.720

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	08:39:37	248227.070	50532.968	76040.903	946951.720	18994538.000	15991625.000	416549.780	7308.119	11438.953
2	08:40:45	262198.360	50865.394	80026.648	938866.820	18954389.000	15935157.000	413429.830	7469.140	11327.927
3	08:41:54	268087.410	50045.318	83611.152	922395.620	18667153.000	15723016.000	407648.450	7323.752	11040.202
x		259504.280	50481.227	79892.901	936071.380	18872026.000	15883266.000	412542.690	7367.003	11269.027
σ		10200.579	412.479	3786.896	12514.444	178557.710	141623.520	4516.488	88.797	205.797
%RSD		3.931	0.817	4.740	1.337	0.946	0.892	1.095	1.205	1.826

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	08:39:37	36084.578	16497.020	52731.517	17355.849	1892.313	1892.313	1677.703	109.896	82.292
2	08:40:45	35724.300	16451.655	52486.869	17524.805	1851.682	1851.682	1580.817	109.896	93.750
3	08:41:54	35293.543	16134.106	50782.287	17499.253	2043.896	2043.896	1617.279	103.646	88.542
x		35700.807	16360.927	52000.224	17459.969	1929.297	1929.297	1625.266	107.813	88.195
σ		396.040	197.738	1061.834	91.071	101.304	101.304	48.934	3.608	5.737
%RSD		1.109	1.209	2.042	0.522	5.251	5.251	3.011	3.347	6.505

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	08:39:37	15990.194	1242.242	4056.826	842.212	2236.113	6.250	664833.980	542.198	1176.611
2	08:40:45	15181.500	1257.868	3977.116	801.585	2239.238	10.938	659200.470	635.952	1171.923
3	08:41:54	15264.401	1317.248	3877.088	835.962	2028.269	10.938	663240.540	612.513	1129.732
x		15478.698	1272.453	3970.343	826.586	2167.873	9.375	662425.000	596.888	1159.422
σ		444.903	39.573	90.060	21.876	120.911	2.706	2903.955	48.791	25.819
%RSD		2.874	3.110	2.268	2.647	5.577	28.868	0.438	8.174	2.227

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	08:39:37	132.813	132.813	1148.484	617.201	2515.847	2193.919	766232.550	1350409.700	1515067.800
2	08:40:45	120.313	120.313	1140.670	601.575	2490.842	2142.348	753307.570	1339656.800	1507112.100
3	08:41:54	134.376	134.376	1009.411	640.639	2500.219	1975.137	744242.670	1317808.000	1527589.400
x		129.167	129.167	1099.522	619.805	2502.302	2103.801	754594.260	1335958.200	1516589.700
σ		7.708	7.708	78.136	19.662	12.632	114.371	11051.263	16612.563	10323.131
%RSD		5.967	5.967	7.106	3.172	0.505	5.436	1.465	1.243	0.681

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	08:39:37	1572476.100	839.087	1792.300	22452.004	19169.102	47604.184	1188691.700	44023.980
2	08:40:45	1544360.000	664.078	1654.783	22405.056	19550.869	46762.348	1171684.900	43508.341
3	08:41:54	1576462.900	629.701	1442.260	22021.648	18821.766	47086.848	1191053.400	42903.390
x		1564433.000	710.955	1629.781	22292.903	19180.579	47151.126	1183810.000	43478.570
σ		17497.661	112.289	176.354	236.084	364.687	424.583	10566.847	560.887
%RSD		1.118	15.794	10.821	1.059	1.901	0.900	0.893	1.290

C4463-04 MH3B87 11/19/2011 08:46:25 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	08:47:33	29447.507	230.210	15330.096	5685.506	1884781800.000	41859757.000	5879733.600	7085004.700	7530267.800
2	08:48:41	28699.111	248.961	14898.390	5665.186	1883650500.000	41814928.000	5833038.700	7017989.200	7535573.800
3	08:49:49	28342.149	233.856	15220.604	5526.069	1867831700.000	41198020.000	5786020.400	6945587.700	7476141.200
x		28829.589	237.676	15149.697	5625.587	1878754600.000	41624235.000	5832930.900	7016193.900	7513994.300
σ		564.112	9.942	224.418	86.782	9476490.700	369793.110	46856.671	69725.871	32888.907
%RSD		1.957	4.183	1.481	1.543	0.504	0.888	0.803	0.994	0.438
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	08:47:33	4808388.300	350030.090	130734.540	2334672.300	70894227.000	104707.330	1749165.500	280232.810	26956.659
2	08:48:41	4785342.400	350481.580	131365.290	2329365.800	70963524.000	105080.360	1731811.000	275245.040	27401.254
3	08:49:49	4751607.300	347726.400	130575.280	2336668.300	70707056.000	103434.040	1708852.300	275839.150	27067.807
x		4781779.300	349412.690	130891.700	2333568.800	70854936.000	104407.240	1729942.900	277105.670	27141.907
σ		28557.708	1477.712	417.795	3774.224	132671.630	863.211	20221.412	2724.425	231.375
%RSD		0.597	0.423	0.319	0.162	0.187	0.827	1.169	0.983	0.852
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	08:47:33	406674.400	128279.620	79695.115	6226812.200	6369801.600	106387880.000	2622380.800	39028.239	19120.600
2	08:48:41	407000.680	128899.230	78999.078	6254868.600	6402465.200	106647530.000	2634363.100	38761.891	19198.830
3	08:49:49	400132.570	129189.330	77061.978	6230649.700	6357103.600	106361900.000	2630033.200	38937.367	19017.337
x		404602.550	128789.390	78585.390	6237443.500	6376456.800	106465770.000	2628925.700	38909.166	19112.256
σ		3874.552	464.692	1364.444	15212.039	23401.662	157943.790	6067.431	135.395	91.034
%RSD		0.958	0.361	1.736	0.244	0.367	0.148	0.231	0.348	0.476
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	08:47:33	149994.260	70804.720	49966.919	27283.842	1690.725	1690.725	1657.909	132.292	85.417
2	08:48:41	149858.480	71049.681	50445.158	26669.141	1511.017	1511.017	1625.092	144.792	111.980
3	08:49:49	151295.380	70817.282	50398.117	26520.427	1498.516	1498.516	1641.240	139.063	93.750
x		150382.710	70890.561	50270.065	26824.470	1566.753	1566.753	1641.414	138.716	97.049
σ		793.307	137.945	263.583	404.717	107.545	107.545	16.409	6.257	13.585
%RSD		0.528	0.195	0.524	1.509	6.864	6.864	1.000	4.511	13.998
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	08:47:33	64299.066	5441.661	16548.642	3614.520	9141.987	3.125	643296.370	1262.556	1120.356
2	08:48:41	65068.161	5597.972	16558.028	3623.897	9148.241	9.375	631834.270	1278.182	1042.226
3	08:49:49	64537.638	5610.476	16473.555	3659.844	8965.312	6.250	631764.070	1307.872	1048.476
x		64634.955	5550.036	16526.742	3632.753	9085.180	6.250	635631.570	1282.870	1070.353
σ		393.675	94.064	46.299	23.925	103.855	3.125	6638.007	23.019	43.417
%RSD		0.609	1.695	0.280	0.659	1.143	50.000	1.044	1.794	4.056
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	08:47:33	396.881	396.881	800.022	414.068	2740.888	2634.618	1165531.100	2053433.600	1471630.100
2	08:48:41	409.381	409.381	803.148	443.757	2736.200	2634.618	1149025.700	2024866.900	1438869.000
3	08:49:49	368.755	368.755	856.276	500.009	2739.325	2508.033	1143952.800	2022777.800	1434486.000
x		391.672	391.672	819.815	452.611	2738.804	2592.423	1152836.500	2033692.800	1448328.400
σ		20.808	20.808	31.614	43.649	2.387	73.084	11282.601	17127.960	20298.561
%RSD		5.313	5.313	3.856	9.644	0.087	2.819	0.979	0.842	1.402
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	08:47:33	1519003.100	609.388	1423.508	117054.160	97429.546	242042.610	1126330.200	49604.723	
2	08:48:41	1480573.100	564.074	1279.745	116362.610	96575.338	239713.200	1110569.800	49079.476	
3	08:49:49	1479752.100	573.449	1265.681	116220.840	97236.047	240061.160	1104813.800	48925.825	
x		1493109.400	582.304	1322.978	116545.870	97080.311	240605.660	1113904.600	49203.341	
σ		22428.313	23.920	87.345	445.865	447.893	1256.542	11139.085	355.995	
%RSD		1.502	4.108	6.602	0.383	0.461	0.522	1.000	0.724	

Reviewed By:aswal
on 1/27/2011
12:38:57 PM
inst id :P6

C4463-12 MH3B93 11/19/2011 08:54:21 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	08:55:29	27133.556	53.125	5597.972	2161.101	500825600.000	13255594.000	1875624.000	2283003.700	367826.750
2	08:56:37	27656.432	47.396	5701.137	2059.523	504162040.000	13285053.000	1899651.900	2318220.600	373598.670
3	08:57:45	27902.222	43.229	5565.146	2050.147	496513910.000	13146778.000	1884704.200	2293202.200	369182.950
x		27564.070	47.917	5621.418	2090.257	500500510.000	13229142.000	1886660.000	2298142.200	370202.790
σ		392.568	4.968	70.963	61.531	3834414.400	72834.454	12132.750	18120.701	3018.081
%RSD		1.424	10.369	1.262	2.944	0.766	0.551	0.643	0.788	0.815
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	08:55:29	2384734.200	47803.284	1065670.200	4095881.700	23675072.000	184432.910	3299378.600	258914.270	9944.085
2	08:56:37	2447248.100	48126.241	1071241.200	4151112.700	23862122.000	187125.400	3321951.900	261469.560	10236.479
3	08:57:45	2409013.400	47060.198	1053723.100	4088019.400	23497821.000	183418.410	3247699.100	263651.300	9797.108
x		2413665.300	47663.241	1063544.800	4111671.300	23678338.000	184992.240	3289676.500	261345.040	9992.557
σ		31515.513	546.645	8950.316	34382.768	182172.210	1915.744	38065.272	2370.967	223.660
%RSD		1.306	1.147	0.842	0.836	0.769	1.036	1.157	0.907	2.238
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	08:55:29	335169.060	12270.893	86797.258	777653.690	12667539.000	13251377.000	326090.670	1695.413	3744.241
2	08:56:37	338240.190	12364.724	87246.859	780239.100	12777098.000	13387005.000	325823.740	1721.979	3684.850
3	08:57:45	339945.580	12345.957	88308.037	768740.160	12561913.000	13075820.000	319145.820	1689.162	3736.426
x		337784.950	12327.191	87450.718	775544.320	12668850.000	13238067.000	323686.750	1702.185	3721.839
σ		2420.583	49.651	775.746	6032.705	107598.610	156018.920	3934.818	17.425	32.271
%RSD		0.717	0.403	0.887	0.778	0.849	1.179	1.216	1.024	0.867
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	08:55:29	10622.698	4689.832	8957.495	28404.774	1809.490	1809.490	1465.179	88.542	70.834
2	08:56:37	10890.087	4483.516	8832.417	28748.168	1782.924	1782.924	1526.123	106.250	80.729
3	08:57:45	10932.306	4688.269	8621.351	28397.467	1834.493	1834.493	1464.658	85.417	72.396
x		10815.030	4620.539	8803.754	28516.803	1808.969	1808.969	1485.320	93.403	74.653
σ		167.897	118.668	169.895	200.401	25.788	25.788	35.337	11.235	5.320
%RSD		1.552	2.568	1.930	0.703	1.426	1.426	2.379	12.029	7.126
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	08:55:29	14788.901	693.767	3209.735	485.946	1156.297	12.500	642646.200	509.384	214.064
2	08:56:37	15048.547	718.768	3262.873	465.633	1217.239	1.563	642685.400	554.698	231.252
3	08:57:45	14768.567	717.206	3316.010	450.007	1087.541	9.375	648995.670	529.697	246.877
x		14868.672	709.913	3262.873	467.195	1153.693	7.813	644775.750	531.260	230.731
σ		156.108	14.005	53.137	18.020	64.888	5.634	3654.604	22.697	16.413
%RSD		1.050	1.973	1.629	3.857	5.624	72.111	0.567	4.272	7.113
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	08:55:29	84.375	84.375	185.939	46.875	962.532	4647.631	77294.479	136670.960	1456305.500
2	08:56:37	59.375	59.375	190.626	48.438	1039.100	4596.052	78592.155	137413.980	1459925.000
3	08:57:45	68.750	68.750	179.689	40.625	937.531	4741.412	76768.215	135828.610	1484725.900
x		70.834	70.834	185.418	45.313	979.721	4661.698	77551.616	136637.850	1466985.400
σ		12.630	12.630	5.487	4.134	52.921	73.694	938.765	793.202	15469.904
%RSD		17.830	17.830	2.959	9.123	5.402	1.581	1.211	0.581	1.055
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	08:55:29	1508237.700	207.814	487.508	6585.893	5558.894	13578.325	1174020.100	31802.547	
2	08:56:37	1508606.600	187.501	450.007	6456.146	5629.234	13728.468	1183013.800	32388.236	
3	08:57:45	1541188.700	176.564	470.320	6443.640	5349.439	13448.515	1211885.100	32209.708	
x		1519344.300	190.626	469.279	6495.226	5512.522	13585.103	1189639.700	32133.497	
σ		18918.670	15.858	18.772	78.768	145.547	140.100	19782.987	300.190	
%RSD		1.245	8.319	4.000	1.213	2.640	1.031	1.663	0.934	

Reviewed By [illegible]
On: 11/21/2011
12:38:57 PM
Inst Id: IP6

C4463-06 MH3B89 11/19/2011 09:02:18 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	09:03:26	27775.413	79.167	5147.802	3813.009	796560900.000	22683938.000	3247332.000	3951229.700	843450.990
2	09:04:34	27994.590	76.563	5233.771	3888.029	796609160.000	22668019.000	3242000.000	3961878.000	844113.450
3	09:05:42	27501.446	80.209	5383.827	4027.130	797677480.000	22754072.000	3269485.900	3964767.800	847103.170
x		27757.150	78.646	5255.133	3909.389	796949180.000	22702010.000	3252939.300	3959291.800	844889.200
σ		247.079	1.878	119.454	108.647	631189.450	45784.178	14575.660	7129.925	1945.755
%RSD		0.890	2.388	2.273	2.779	0.079	0.202	0.448	0.180	0.230

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	09:03:26	3032987.900	143569.380	1524392.100	4377124.100	29914611.000	265623.270	4670969.700	259579.300	83802.896
2	09:04:34	3028031.600	142054.350	1515178.700	4386130.500	29645921.000	261588.900	4626204.500	262018.540	82776.626
3	09:05:42	3073666.500	142887.600	1516393.300	4399518.300	29736722.000	262085.380	4664322.300	263204.100	83565.574
x		3044895.400	142837.110	1518654.700	4387591.000	29765751.000	263099.180	4653832.200	261600.650	83381.699
σ		25039.508	758.777	5005.714	11268.330	136677.100	2199.971	24155.993	1848.180	537.276
%RSD		0.822	0.531	0.330	0.257	0.459	0.836	0.519	0.706	0.644

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	09:03:26	675875.020	84837.098	97280.096	1217448.400	18089224.000	20593649.000	501513.710	5551.078	12746.309
2	09:04:34	673325.970	83411.553	97719.014	1191100.800	17849351.000	20420201.000	498170.030	5535.447	12345.957
3	09:05:42	676901.650	83710.167	99246.678	1201329.900	18067748.000	20586824.000	504295.030	5408.836	12683.753
x		675367.550	83986.273	98081.929	1203293.000	18002108.000	20533558.000	501326.250	5498.454	12592.007
σ		1841.062	751.812	1032.300	13283.011	132726.440	98229.242	3066.801	78.004	215.368
%RSD		0.273	0.895	1.052	1.104	0.737	0.478	0.612	1.419	1.710

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	09:03:26	13382.828	5476.049	7037.671	60202.104	1950.133	1950.133	1516.747	123.438	94.792
2	09:04:34	13348.421	5357.254	6823.504	59846.971	1907.940	1907.940	1546.438	129.688	88.542
3	09:05:42	13049.708	5449.477	6950.128	60056.180	1965.760	1965.760	1506.850	134.376	78.125
x		13260.319	5427.593	6937.101	60035.085	1941.278	1941.278	1523.345	129.167	87.153
σ		183.204	62.348	107.676	178.504	29.910	29.910	20.602	5.487	8.420
%RSD		1.382	1.149	1.552	0.297	1.541	1.541	1.352	4.248	9.661

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	09:03:26	53744.657	2051.710	10905.724	1359.440	3300.381	6.250	624178.820	1110.981	334.379
2	09:04:34	53056.153	2029.832	11205.956	1332.875	3387.902	20.313	628540.510	1032.850	307.816
3	09:05:42	54059.906	2073.588	11085.549	1301.622	3322.261	4.688	632495.390	1071.915	315.628
x		53620.239	2051.710	11065.743	1331.312	3336.848	10.417	628404.910	1071.915	319.274
σ		513.313	21.878	151.093	28.941	45.547	8.606	4159.943	39.065	13.652
%RSD		0.957	1.066	1.365	2.174	1.365	82.614	0.662	3.644	4.276

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	09:03:26	292.190	292.190	214.064	59.375	2962.807	13736.288	69049.283	122163.870	1468448.200
2	09:04:34	264.065	264.065	242.190	46.875	3065.954	13493.870	69118.366	121689.530	1478678.700
3	09:05:42	268.753	268.753	228.127	71.875	2969.059	13251.456	70156.219	122561.000	1490979.700
x		275.003	275.003	228.127	59.375	2999.273	13493.871	69441.290	122138.130	1479368.900
σ		15.068	15.068	14.063	12.500	57.832	242.416	620.110	436.302	11281.568
%RSD		5.479	5.479	6.164	21.053	1.928	1.796	0.893	0.357	0.763

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	09:03:26	1526503.900	179.689	393.755	10083.245	8621.351	21236.085	1171673.000	100631.310
2	09:04:34	1547099.600	168.751	484.383	10195.825	8647.929	21209.483	1190066.600	100447.210
3	09:05:42	1547195.100	184.376	375.005	10295.896	8561.940	21657.029	1188629.000	100357.520
x		1540266.200	177.605	417.715	10191.655	8610.407	21367.532	1183456.200	100478.680
σ		11918.615	8.018	58.493	106.387	44.027	251.064	10229.838	139.582
%RSD		0.774	4.515	14.003	1.044	0.511	1.175	0.864	0.139

Reviewed By:eswar
On:11/21/2011
12:38:57 PM
Last Id :PB

C4463-02X25 MH3B85 11/19/2011 09:10:13 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	09:11:21	30324.338	34.896	223.439	1017.224	51083886.000	38546345.000	5446696.500	6657848.100	57989.333
2	09:12:29	30155.231	35.417	251.565	959.407	52804671.000	39768645.000	5614590.400	6854700.600	58486.667
3	09:13:37	30454.302	39.583	220.314	992.222	53026654.000	40047629.000	5658295.700	6865450.100	59625.736
x		30311.290	36.632	231.773	989.618	52305070.000	39454207.000	5573194.200	6792666.300	58700.579
σ		149.962	2.569	17.211	28.996	1063385.100	798509.290	111708.500	116879.620	838.911
%RSD		0.495	7.014	7.426	2.930	2.033	2.024	2.004	1.721	1.429
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	09:11:21	87853.686	16852.121	74682.201	890370.560	4886180.400	8338.370	138474.140	286492.650	370.317
2	09:12:29	89740.359	17321.432	76505.876	911525.410	4994338.700	8393.090	143290.040	285470.940	300.003
3	09:13:37	90749.831	17338.641	76620.550	908787.070	5036924.600	8755.807	146697.800	291849.460	357.817
x		89447.959	17170.731	75936.209	903561.010	4972481.300	8495.756	142820.660	287937.680	342.712
σ		1470.046	276.058	1087.515	11505.030	77712.707	226.867	4131.873	3425.999	37.512
%RSD		1.643	1.608	1.432	1.273	1.563	2.670	2.893	1.190	10.946
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	09:11:21	114555.910	3983.368	38269.942	37622.914	202397.110	628031.340	13439.131	206.251	693.767
2	09:12:29	111478.580	4002.123	36744.069	38710.188	208864.210	655125.540	13781.644	278.128	639.077
3	09:13:37	108172.060	4050.574	35821.417	39056.441	209817.080	668887.070	13892.689	256.252	629.701
x		111402.180	4012.022	36945.143	38463.181	207026.130	650681.320	13704.488	246.877	654.182
σ		3192.611	34.679	1236.584	748.004	4037.061	20787.281	236.418	36.844	34.601
%RSD		2.866	0.864	3.347	1.945	1.950	3.195	1.725	14.924	5.289
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	09:11:21	848.463	357.817	598.450	3229.532	926.593	926.593	1649.574	84.896	88.542
2	09:12:29	920.342	414.068	610.951	3267.040	823.461	823.461	1679.265	77.084	77.604
3	09:13:37	928.155	393.755	526.572	3235.262	809.398	809.398	1726.667	73.959	96.875
x		898.987	388.547	578.658	3243.945	853.151	853.151	1685.169	78.646	87.674
σ		43.929	28.485	45.538	20.205	63.990	63.990	38.884	5.634	9.665
%RSD		4.887	7.331	7.870	0.623	7.500	7.500	2.307	7.163	11.024
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	09:11:21	1842.306	65.625	365.630	67.188	87.500	6.250	715559.600	326.566	53.125
2	09:12:29	1995.452	76.563	365.630	62.500	87.500	9.375	726441.840	403.131	92.188
3	09:13:37	1956.384	60.938	404.693	31.250	107.813	4.688	733536.240	396.881	73.438
x		1931.381	67.708	378.651	53.646	94.271	6.771	725179.230	375.526	72.917
σ		79.576	8.018	22.553	19.537	11.728	2.387	9054.585	42.515	19.537
%RSD		4.120	11.842	5.956	36.418	12.440	35.251	1.249	11.322	26.793
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	09:11:21	20.313	20.313	68.750	18.750	134.376	171.876	42433.239	75473.845	1581627.200
2	09:12:29	20.313	20.313	60.938	17.188	151.563	159.376	43588.272	75984.353	1584720.000
3	09:13:37	7.813	7.813	70.313	23.438	148.438	162.501	43815.528	77192.366	1585841.000
x		16.146	16.146	66.667	19.792	144.792	164.584	43279.013	76216.855	1584062.700
σ		7.217	7.217	5.023	3.253	9.156	6.505	741.223	882.537	2182.436
%RSD		44.698	44.698	7.534	16.434	6.323	3.953	1.713	1.158	0.138
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	09:11:21	1636680.300	118.750	278.128	342.192	296.878	806.273	1313882.500	1654.783	
2	09:12:29	1632915.000	125.001	296.878	370.317	385.943	737.519	1308573.700	1665.722	
3	09:13:37	1640595.000	81.250	345.317	387.505	328.129	796.897	1312068.800	1695.413	
x		1636730.100	108.334	306.774	366.671	336.983	780.230	1311508.300	1671.973	
σ		3840.247	23.662	34.670	22.876	45.188	37.284	2698.412	21.024	
%RSD		0.235	21.842	11.302	6.239	13.409	4.779	0.206	1.257	

Reviewed By:asval
On:11/21/2011
12:38:57 PM
last id:PB

C4463-03X25 MH3B86 11/19/2011 09:18:10 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	09:19:18	29521.096	41.146	212.502	937.531	35556322.000	5191259.700	716364.080	876491.100	138011.890
2	09:20:26	29668.275	42.708	214.064	1015.661	35463951.000	5228371.500	715515.270	875463.700	136088.880
3	09:21:34	29585.291	34.375	260.940	965.658	35940805.000	5252061.500	718607.000	885647.950	137693.210
x		29591.554	39.410	229.169	972.950	35653693.000	5223897.600	716828.780	879200.920	137264.660
σ		73.789	4.430	27.526	39.572	252899.760	30646.795	1597.388	5606.875	1030.644
%RSD		0.249	11.240	12.011	4.067	0.709	0.587	0.223	0.638	0.751
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	09:19:18	165986.860	10874.450	77160.947	906371.890	2170735.700	35934.200	598202.130	277663.040	912.529
2	09:20:26	166359.910	10578.916	77118.532	911109.470	2157307.900	36332.080	601598.180	277070.450	970.345
3	09:21:34	168525.700	10483.533	77258.346	910470.610	2161611.000	35973.361	598949.680	279259.330	973.471
x		166957.490	10645.633	77179.275	909317.320	2163218.200	36079.880	599583.330	277997.610	952.115
σ		1370.859	203.820	71.687	2570.739	6856.691	219.287	1784.497	1132.145	34.318
%RSD		0.821	1.915	0.093	0.283	0.317	0.608	0.298	0.407	3.604
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	09:19:18	100659.640	4841.445	33257.417	53048.312	755300.980	879978.830	21015.446	443.757	678.141
2	09:20:26	101660.440	4589.800	33554.987	53358.840	757806.720	873596.630	20799.506	350.004	656.265
3	09:21:34	101545.560	4750.790	33201.036	52976.170	756148.800	872808.390	20716.573	450.007	670.328
x		101288.550	4727.345	33337.813	53127.774	756418.840	875461.280	20843.842	414.589	668.245
σ		547.670	127.450	190.179	203.334	1274.506	3932.114	154.291	56.020	11.086
%RSD		0.541	2.696	0.570	0.383	0.168	0.449	0.740	13.512	1.659
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	09:19:18	1898.564	856.276	2662.748	2871.122	829.712	829.712	1614.675	88.542	89.063
2	09:20:26	1796.988	821.899	2662.748	2911.755	759.395	759.395	1611.549	66.667	70.834
3	09:21:34	1851.682	898.466	2703.381	2869.038	770.333	770.333	1652.700	71.354	78.646
x		1849.078	858.880	2676.292	2883.972	786.480	786.480	1626.308	75.521	79.514
σ		50.838	38.350	23.459	24.084	37.837	37.837	22.909	11.517	9.146
%RSD		2.749	4.465	0.877	0.835	4.811	4.811	1.409	15.251	11.502
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	09:19:18	704.705	103.125	253.127	79.688	145.313	3.125	704877.380	345.317	153.126
2	09:20:26	750.020	115.625	218.752	79.688	129.688	4.688	702605.400	320.316	128.126
3	09:21:34	696.892	110.938	218.752	78.125	143.751	10.938	704680.520	381.255	75.000
x		717.206	109.896	230.210	79.167	139.584	6.250	704054.440	348.963	118.751
σ		28.685	6.315	19.847	0.902	8.606	4.134	1258.754	30.633	39.898
%RSD		4.000	5.746	8.621	1.140	6.165	66.144	0.179	8.778	33.598
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	09:19:18	7.813	7.813	101.563	54.688	239.065	193.751	30900.571	55131.176	1552007.200
2	09:20:26	3.125	3.125	82.813	48.438	253.127	185.939	30385.405	54317.129	1571867.400
3	09:21:34	7.813	7.813	100.000	34.375	226.564	167.188	31027.408	54800.219	1567068.100
x		6.250	6.250	94.792	45.833	239.585	182.293	30771.128	54749.508	1563647.600
σ		2.706	2.706	10.404	10.404	13.289	13.652	340.012	409.386	10362.525
%RSD		43.301	43.301	10.975	22.699	5.547	7.489	1.105	0.748	0.663
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	09:19:18	1612908.000	173.439	456.257	1354.752	1032.850	2643.995	1294152.400	2001.703	
2	09:20:26	1612772.000	134.376	317.191	1185.987	1037.538	2484.591	1291265.700	2011.079	
3	09:21:34	1611141.600	129.688	360.942	1243.804	1026.599	2398.639	1296839.800	2032.957	
x		1612273.900	145.834	378.130	1261.514	1032.329	2509.075	1294086.000	2015.246	
σ		982.955	24.021	71.109	85.765	5.488	124.497	2787.666	16.039	
%RSD		0.061	16.471	18.805	6.799	0.532	4.962	0.215	0.796	

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4463-04X25 MH3D87 11/19/2011 09:26:07 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	09:27:14	28722.596	50.521	600.013	950.032	81296345.000	1639524.100	225706.550	278118.650	335437.760
2	09:28:22	29045.122	45.313	623.451	935.968	81009625.000	1638797.400	226114.480	277189.920	337461.150
3	09:29:30	29142.194	40.104	629.701	934.406	81176865.000	1641954.300	226373.220	279496.720	336266.280
x		28969.970	45.313	617.722	940.135	81160945.000	1640091.900	226064.750	278268.430	336388.400
σ		219.662	5.208	15.652	8.606	144021.420	1653.303	336.108	1160.670	1017.207
%RSD		0.758	11.494	2.534	0.915	0.177	0.101	0.149	0.417	0.302

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	09:27:14	194024.330	16961.626	72472.426	817436.590	3547515.100	4316.277	72382.912	270873.610	1203.176
2	09:28:22	195361.110	16838.042	73479.112	809030.890	3531109.900	4192.803	71720.207	270873.610	1282.870
3	09:29:30	194556.490	16633.115	73389.591	812712.540	3553529.900	4120.907	71900.799	268354.860	1220.365
x		194647.310	16810.928	73113.709	813060.010	3544051.600	4209.996	72001.306	270034.030	1235.470
σ		673.004	165.925	557.168	4213.608	11604.327	98.813	342.594	1454.199	41.940
%RSD		0.346	0.987	0.762	0.518	0.327	2.347	0.476	0.539	3.395

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	09:27:14	97560.121	7481.646	30181.849	271311.490	260616.690	4677194.400	109555.980	1684.474	957.845
2	09:28:22	96218.253	7548.869	30444.907	270889.530	257967.690	4671605.400	110588.900	1650.095	931.280
3	09:29:30	95101.437	7392.537	29350.432	270317.920	259577.710	4653105.100	109275.720	1670.410	1026.599
x		96293.270	7474.351	29992.396	270839.640	259387.360	4667301.600	109806.870	1668.327	971.908
σ		1231.057	78.421	571.304	498.660	1334.717	12608.107	691.601	17.284	49.191
%RSD		1.278	1.049	1.905	0.184	0.515	0.270	0.630	1.036	5.061

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	09:27:14	6728.146	3167.539	2459.587	3098.253	676.579	676.579	1581.338	70.834	80.729
2	09:28:22	6640.606	3020.632	2498.656	2942.490	637.514	637.514	1497.474	75.000	66.667
3	09:29:30	6562.444	3205.047	2542.414	3012.818	662.515	662.515	1552.168	73.959	75.521
x		6643.732	3131.073	2500.219	3017.854	658.869	658.869	1543.660	73.264	74.306
σ		82.895	97.466	41.436	78.003	19.786	19.786	42.574	2.168	7.110
%RSD		1.248	3.113	1.657	2.585	3.003	3.003	2.758	2.960	9.568

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	09:27:14	2636.181	262.502	784.397	181.251	415.631	7.813	687574.920	407.818	79.688
2	09:28:22	2789.335	281.253	771.896	176.564	435.944	9.375	686788.410	384.380	76.563
3	09:29:30	2622.116	254.690	728.144	164.063	417.194	0.000	685920.020	420.319	53.125
x		2682.544	266.148	761.479	173.959	422.923	5.729	686761.120	404.172	69.792
σ		92.751	13.652	29.538	8.885	11.304	5.023	827.788	18.245	14.518
%RSD		3.458	5.129	3.879	5.107	2.673	87.670	0.121	4.514	20.802

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	09:27:14	21.875	21.875	42.188	34.375	260.940	204.689	48278.315	84725.502	1534299.900
2	09:28:22	12.500	12.500	62.500	32.813	254.690	214.064	48303.400	84646.913	1523334.600
3	09:29:30	14.063	14.063	82.813	37.500	243.752	206.251	48182.681	84535.317	1541650.400
x		16.146	16.146	62.500	34.896	253.127	208.335	48254.799	84635.911	1533095.000
σ		5.023	5.023	20.313	2.387	8.700	5.023	63.703	95.568	9217.140
%RSD		31.109	31.109	32.500	6.840	3.437	2.411	0.132	0.113	0.601

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	09:27:14	1581608.000	146.876	357.817	5346.313	4506.961	10905.724	1271147.800	2248.615
2	09:28:22	1586506.000	187.501	421.881	5577.651	4452.256	11207.520	1286836.900	2325.189
3	09:29:30	1589923.600	146.876	345.317	5327.556	4652.320	11243.485	1276905.400	2328.315
x		1586012.600	160.418	375.005	5417.173	4537.179	11118.910	1278296.700	2300.706
σ		4179.698	23.455	41.074	139.294	103.398	185.498	7936.535	45.140
%RSD		0.264	14.621	10.953	2.571	2.279	1.668	0.621	1.962

Reviewed By Jaswal
On 11/21/2011
12:38:57 PM
Inst Id :P6

C4463-12X25 MH3B93 11/19/2011 09:34:03 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	09:35:11	28318.665	40.625	296.878	784.397	21275994.000	547927.320	75789.573	92457.604	52129.313
2	09:36:19	28874.464	32.292	278.128	753.145	21342799.000	547911.090	76383.348	92986.017	51461.273
3	09:37:27	28364.068	43.750	289.065	804.710	21453226.000	549414.070	75181.686	93750.363	52025.812
x		28519.066	38.889	288.024	780.751	21357340.000	548417.490	75784.869	93064.662	51872.132
σ		308.620	5.923	9.418	25.975	89506.456	863.098	600.845	649.958	359.559
%RSD		1.082	15.231	3.270	3.327	0.419	0.157	0.793	0.698	0.693
Run	**Time**	**28Si**	**31P**	**34S**	**37Cl**	**39K**	**43Ca**	**44Ca**	**45Sc**	**47Ti**
1	09:35:11	100577.810	5182.190	109866.160	853516.980	1609462.500	7794.313	129395.870	265417.940	503.134
2	09:36:19	100477.110	5146.239	109842.550	855227.360	1608794.800	7661.429	128930.760	263759.520	575.012
3	09:37:27	100923.990	4799.243	108975.000	858327.100	1608444.300	7584.825	128580.750	263940.950	509.384
x		100659.640	5042.557	109561.240	855690.480	1608900.500	7680.189	128969.130	264372.800	529.177
σ		234.409	211.481	507.832	2438.272	517.258	105.996	408.914	909.649	39.817
%RSD		0.233	4.194	0.464	0.285	0.032	1.380	0.317	0.344	7.524
Run	**Time**	**51V**	**52Cr**	**53Cl O**	**54Fe**	**55Mn**	**56Fe**	**57Fe**	**59Co**	**60Ni**
1	09:35:11	80218.344	3001.878	25876.540	45687.001	517058.080	756168.560	17197.846	150.001	371.880
2	09:36:19	79450.005	2876.852	25571.303	45843.752	519518.400	756644.350	17105.547	162.501	339.067
3	09:37:27	78381.628	2740.888	25547.824	46056.936	512609.810	758860.510	17021.072	151.563	357.817
x		79349.992	2873.206	25665.222	45862.563	516395.430	757224.470	17108.155	154.688	356.254
σ		922.433	130.533	183.382	185.684	3501.640	1436.682	88.416	6.811	16.462
%RSD		1.162	4.543	0.715	0.405	0.678	0.190	0.517	4.403	4.621
Run	**Time**	**63Cu**	**65Cu**	**66Zn**	**75As**	**77Se**	**77Ar Cl**	**78Se**	**82Se**	**83Kr**
1	09:35:11	795.335	314.066	787.522	2902.899	590.637	590.637	1522.998	84.896	75.000
2	09:36:19	712.518	314.066	740.644	2679.939	546.885	546.885	1465.700	81.771	72.917
3	09:37:27	835.962	320.316	754.707	2726.302	570.324	570.324	1522.477	75.521	81.250
x		781.271	316.149	760.958	2769.713	569.282	569.282	1503.725	80.729	76.389
σ		62.912	3.609	24.056	117.649	21.894	21.894	32.931	4.774	4.337
%RSD		8.053	1.141	3.161	4.248	3.846	3.846	2.190	5.913	5.677
Run	**Time**	**94Mo**	**95Mo**	**96Mo**	**97Mo**	**98Mo**	**99Ru**	**103Rh**	**106Cd**	**107Ag**
1	09:35:11	684.391	76.563	184.376	62.500	89.063	3.125	679565.960	328.129	42.188
2	09:36:19	645.327	56.250	168.751	42.188	112.500	0.000	680144.080	337.504	32.813
3	09:37:27	692.204	64.063	156.251	42.188	120.313	7.813	687322.580	334.379	39.063
x		673.974	65.625	169.793	48.958	107.292	3.646	682344.210	333.337	38.021
σ		25.115	10.246	14.092	11.727	16.263	3.932	4321.076	4.774	4.774
%RSD		3.726	15.613	8.299	23.954	15.158	107.855	0.633	1.432	12.555
Run	**Time**	**108Mo O**	**108Cd**	**109Ag**	**111Cd**	**118Sn**	**121Sb**	**135Ba**	**137Ba**	**159Tb**
1	09:35:11	15.625	15.625	31.250	7.813	175.001	275.003	3214.424	5730.837	1520552.500
2	09:36:19	4.688	4.688	31.250	25.000	189.064	226.564	3462.920	6070.039	1529046.000
3	09:37:27	4.688	4.688	34.375	14.063	187.501	290.628	3225.364	5782.420	1526448.400
x		8.333	8.333	32.292	15.625	183.855	264.065	3300.903	5861.099	1525349.000
σ		6.315	6.315	1.804	8.700	7.708	33.403	140.417	182.777	4352.185
%RSD		75.777	75.777	5.587	55.678	4.192	12.650	4.254	3.118	0.285
Run	**Time**	**165Ho**	**203Tl**	**205Tl**	**206Pb**	**207Pb**	**208Pb**	**209Bi**	**238U**	
1	09:35:11	1575039.900	121.876	312.503	443.757	357.817	1006.285	1289973.600	1417.258	
2	09:36:19	1569904.000	107.813	318.754	482.821	389.068	968.783	1290770.700	1482.890	
3	09:37:27	1584972.400	117.188	317.191	450.007	375.005	993.785	1291402.300	1475.076	
x		1576638.800	115.625	316.149	458.862	373.963	989.618	1290715.500	1458.408	
σ		7660.360	7.160	3.253	20.983	15.651	19.095	715.916	35.850	
%RSD		0.486	6.193	1.029	4.573	4.185	1.930	0.055	2.458	

Reviewed By:[illegible]
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12:38:57 PM
Init Id: PB

C4463-06X25 MH3B89 11/19/2011 09:42:01 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	09:43:09	28418.864	44.271	231.252	914.092	33783524.000	912725.050	126933.300	156191.400	72216.447
2	09:44:17	28392.249	44.271	235.939	917.217	34170718.000	928002.790	128243.360	158311.420	73431.995
3	09:45:25	28232.558	37.500	271.878	900.028	33852901.000	919841.710	127262.780	157001.770	74215.717
x		28347.890	42.014	246.356	910.446	33935714.000	920189.850	127479.810	157168.190	73288.053
σ		100.763	3.909	22.226	9.156	206454.300	7644.818	681.464	1069.764	1007.378
%RSD		0.355	9.304	9.022	1.006	0.608	0.831	0.535	0.681	1.375

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	09:43:09	121914.880	8882.448	127299.040	859865.610	1853234.700	10818.157	179959.200	265465.690	3453.542
2	09:44:17	124184.300	8863.686	127928.050	863248.240	1862119.200	10754.046	181316.830	264178.090	3484.800
3	09:45:25	123579.090	8619.787	127686.850	865536.940	1864525.100	10719.645	180451.290	262976.530	3362.896
x		123226.090	8788.641	127637.980	862883.600	1859959.600	10763.950	180575.780	264206.770	3433.746
σ		1175.170	146.532	317.344	2853.193	5946.916	49.997	687.323	1244.826	63.317
%RSD		0.954	1.667	0.249	0.331	0.320	0.464	0.381	0.471	1.844

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	09:43:09	86082.012	5719.895	23632.030	63832.920	731496.470	1062652.700	24704.154	340.629	665.641
2	09:44:17	86586.611	5821.498	23561.602	63696.375	732924.770	1067385.100	24322.250	320.316	707.830
3	09:45:25	86122.883	5647.991	23365.968	64022.829	731276.240	1062390.500	24782.415	335.941	689.079
x		86263.835	5729.795	23519.867	63850.708	731899.160	1064142.800	24602.940	332.296	687.517
σ		280.278	87.176	137.854	163.953	895.004	2811.041	246.214	10.636	21.138
%RSD		0.325	1.521	0.586	0.257	0.122	0.264	1.001	3.201	3.075

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	09:43:09	898.466	371.880	601.575	3811.967	565.636	565.636	1508.413	70.834	76.042
2	09:44:17	896.903	356.254	612.513	3954.193	565.636	565.636	1509.455	78.646	64.583
3	09:45:25	937.531	398.443	610.951	3884.382	525.010	525.010	1517.268	84.896	70.313
x		910.967	375.526	608.346	3883.514	552.094	552.094	1511.712	78.125	70.313
σ		23.019	21.329	5.916	71.117	23.456	23.456	4.840	7.046	5.729
%RSD		2.527	5.680	0.972	1.831	4.249	4.249	0.320	9.019	8.148

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	09:43:09	2225.173	139.063	489.071	96.875	189.064	1.563	685883.980	368.755	31.250
2	09:44:17	2214.234	107.813	475.008	84.375	207.814	3.125	681323.330	393.755	29.688
3	09:45:25	2101.717	107.813	464.070	59.375	176.564	1.563	682971.160	407.818	28.125
x		2180.375	118.230	476.050	80.209	191.147	2.083	683392.820	390.110	29.688
σ		68.339	18.042	12.533	19.094	15.729	0.902	2309.378	19.785	1.563
%RSD		3.134	15.260	2.633	23.806	8.229	43.301	0.338	5.072	5.263

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	09:43:09	20.313	20.313	34.375	17.188	248.440	653.140	3048.763	5271.285	1529131.000
2	09:44:17	14.063	14.063	35.938	28.125	237.502	645.327	2783.084	5136.861	1531734.300
3	09:45:25	15.625	15.625	35.938	18.750	212.502	667.203	2859.661	5182.190	1545130.800
x		16.667	16.667	35.417	21.354	232.814	655.223	2897.169	5196.779	1535332.000
σ		3.253	3.253	0.902	5.916	18.422	11.086	136.753	68.389	8585.220
%RSD		19.516	19.516	2.547	27.702	7.913	1.692	4.720	1.316	0.559

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	09:43:09	1582250.200	132.813	368.755	589.075	554.698	1278.182	1297271.900	4299.084
2	09:44:17	1591316.700	162.501	356.254	612.513	548.448	1317.248	1299804.500	4324.092
3	09:45:25	1587503.500	123.438	381.255	604.700	548.448	1275.057	1296255.900	4319.403
x		1587023.500	139.584	368.755	602.096	550.531	1290.162	1297777.400	4314.193
σ		4552.258	20.393	12.500	11.934	3.609	23.509	1827.513	13.293
%RSD		0.287	14.610	3.390	1.982	0.655	1.822	0.141	0.308

Reviewed Electronically
On: 11/21/2011
12:38:57 PM
Inst Id: P6

CCV64 11/19/2011 09:49:57 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	09:51:05	29322.249	46375.673	8160.142	918.780	57083922.000	40281333.000	5732476.400	7037239.300	10731857.000
2	09:52:13	29837.377	47339.765	8372.765	864.089	58077385.000	40658855.000	5772723.700	7096889.900	10844594.000
3	09:53:21	29749.694	46929.561	8389.963	948.469	57986439.000	40974068.000	5838527.000	7139179.400	10862713.000
x		29636.440	46881.667	8307.624	910.446	57715915.000	40638085.000	5781242.400	7091102.800	10813055.000
σ		275.606	483.827	128.012	42.803	549207.880	346834.490	53536.043	51215.843	70900.390
%RSD		0.930	1.032	1.541	4.701	0.952	0.853	0.926	0.722	0.656

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	09:51:05	115483.650	644123.030	133420.140	769321.810	38590346.000	177628.750	3140031.400	279678.350	92993.881
2	09:52:13	116312.200	648534.800	134194.530	771394.860	38907540.000	179299.420	3178746.500	282579.930	93588.369
3	09:53:21	116917.110	648323.990	134038.380	769417.380	39234800.000	180633.260	3196922.100	282680.320	92361.674
x		116237.650	646993.940	133884.350	770044.680	38910895.000	179187.140	3171900.000	281646.200	92981.308
σ		719.634	2488.517	409.530	1170.263	322239.970	1505.399	29056.722	1704.949	613.444
%RSD		0.619	0.385	0.306	0.152	0.828	0.840	0.916	0.605	0.660

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	09:51:05	1458922.100	1291453.500	175651.400	5200536.000	4134670.500	87060928.000	2124278.200	1596158.500	341031.960
2	09:52:13	1468750.500	1312164.500	177729.990	5221199.200	4154853.900	88006104.000	2151863.700	1609092.900	343072.130
3	09:53:21	1459403.700	1309616.200	176736.530	5206372.600	4177405.400	87987416.000	2147625.700	1611499.000	344734.890
x		1462358.700	1304411.400	176705.970	5209369.300	4155643.300	87684816.000	2141255.900	1605583.500	342946.330
σ		5540.653	11293.994	1039.636	10652.540	21378.387	540383.960	14855.033	8250.431	1854.667
%RSD		0.379	0.866	0.588	0.204	0.514	0.616	0.694	0.514	0.541

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	09:51:05	1705307.600	840682.230	682232.400	295825.300	16525.177	16525.177	54127.871	21732.664	86.459
2	09:52:13	1728986.700	849974.210	691572.040	297932.480	16958.497	16958.497	54445.219	21991.915	80.209
3	09:53:21	1735296.800	854246.190	691970.330	299385.830	16637.808	16637.808	54495.410	22338.806	86.459
x		1723197.000	848300.880	688591.590	297714.540	16707.161	16707.161	54356.167	22021.128	84.375
σ		15810.695	6935.078	5510.820	1790.243	224.831	224.831	199.296	304.125	3.608
%RSD		0.918	0.818	0.800	0.601	1.346	1.346	0.367	1.381	4.277

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	09:51:05	289983.910	508018.860	552459.450	322184.780	846412.420	17.188	699561.340	34472.793	1596031.400
2	09:52:13	293011.960	516925.270	555263.520	325850.920	853990.960	7.813	709107.330	34278.576	1612496.500
3	09:53:21	294032.610	516008.640	561266.400	327978.470	860901.870	9.375	715940.490	34306.769	1609187.000
x		292342.830	513650.920	556329.790	325338.060	853768.420	11.458	708203.050	34352.713	1605905.000
σ		2105.655	4898.998	4499.257	2930.694	7247.290	5.023	8226.934	104.943	8709.414
%RSD		0.720	0.954	0.809	0.901	0.849	43.835	1.162	0.305	0.542

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	09:51:05	25503.996	25503.996	1562543.200	389974.570	1063116.600	1634483.200	1454555.600	2580110.400	1582295.500
2	09:52:13	25823.318	25823.318	1585075.100	394420.730	1066665.500	1654541.500	1457701.700	2610833.000	1606826.600
3	09:53:21	25605.740	25605.740	1584451.900	392419.870	1063901.600	1653899.700	1459001.500	2601122.900	1604283.500
x		25644.351	25644.351	1577356.700	392271.720	1064561.300	1647641.500	1457086.200	2597355.500	1597801.800
σ		163.125	163.125	12832.681	2226.778	1864.130	11399.932	2285.966	15703.995	13488.980
%RSD		0.636	0.636	0.814	0.568	0.175	0.692	0.157	0.605	0.844

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	09:51:05	1642476.800	2207956.300	5434452.300	1753373.400	1641741.200	3988375.800	1302433.200	8662174.500
2	09:52:13	1653663.700	2225435.800	5497640.700	1769135.000	1645950.800	4043558.100	1313335.500	8648128.000
3	09:53:21	1653147.800	2229074.300	5493351.400	1773325.600	1659902.200	4016813.100	1314050.000	8722289.600
x		1649762.800	2220822.100	5475148.200	1765278.000	1649198.100	4016249.000	1309939.500	8677530.700
σ		6315.134	11289.673	35308.809	10520.458	9506.035	27595.479	6510.532	39393.460
%RSD		0.383	0.508	0.645	0.596	0.576	0.687	0.497	0.454

Reviewed By/Initial
Oct 11/21/2011
12:38:57 PM
Analyst ID: JPB

CCB64 11/19/2011 09:57:51 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	09:58:59	29179.771	43.750	115.625	726.581	570660.620	6632.789	873.464	1093.792	39575.053
2	10:00:07	29065.476	40.104	104.688	729.706	570411.910	6113.808	775.021	962.532	39097.178
3	10:01:15	29016.939	37.500	112.500	753.145	566990.610	5146.239	654.702	795.335	38860.596
x		29087.395	40.451	110.938	736.477	569354.380	5964.279	767.729	950.553	39177.609
σ		83.599	3.139	5.634	14.519	2050.857	754.471	109.563	149.589	363.956
%RSD		0.287	7.761	5.078	1.971	0.360	12.650	14.271	15.737	0.929

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	09:58:59	4053.700	3453.542	68571.993	749861.290	676880.360	59.375	2100.154	273967.710	125.001
2	10:00:07	4000.560	3508.243	68901.698	744928.640	678627.580	68.750	2107.968	273631.680	118.750
3	10:01:15	4013.064	3397.279	68042.909	742438.260	678028.230	70.313	1942.320	272629.990	145.313
x		4022.441	3453.021	68505.533	745742.730	677845.390	66.146	2050.147	273409.790	129.688
σ		27.783	55.484	433.235	3777.885	887.845	5.916	93.463	695.920	13.888
%RSD		0.691	1.607	0.632	0.507	0.131	8.943	4.559	0.255	10.709

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	09:58:59	50465.542	2433.020	16497.020	15009.443	1703.227	204252.930	3972.427	125.001	221.877
2	10:00:07	48883.493	2372.072	16237.348	14779.516	1617.279	200993.120	3864.585	101.563	193.751
3	10:01:15	46820.350	2200.169	16101.256	14881.184	1525.081	197664.350	3786.439	96.875	185.939
x		48723.128	2335.087	16278.541	14890.048	1615.196	200970.130	3874.484	107.813	200.522
σ		1827.880	120.751	201.072	115.220	89.091	3294.354	93.388	15.068	18.902
%RSD		3.752	5.171	1.235	0.774	5.516	1.639	2.410	13.976	9.426

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	09:58:59	482.821	185.939	240.627	1156.818	342.192	342.192	1625.092	85.938	84.375
2	10:00:07	448.445	118.750	265.627	1097.438	357.817	357.817	1561.544	61.458	88.021
3	10:01:15	365.630	146.876	250.002	1074.520	376.567	376.567	1549.563	79.688	79.167
x		432.298	150.522	252.086	1109.592	358.859	358.859	1578.733	75.695	83.854
σ		60.241	33.742	12.630	42.474	17.212	17.212	40.593	12.719	4.450
%RSD		13.935	22.417	5.010	3.828	4.796	4.796	2.571	16.803	5.307

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	09:58:59	262.502	389.068	457.820	284.378	673.453	4.688	715536.620	350.004	164.063
2	10:00:07	178.126	220.314	303.128	206.251	435.944	7.813	705846.980	331.254	117.188
3	10:01:15	157.813	221.877	248.440	142.188	379.693	3.125	713548.600	381.255	104.688
x		199.481	277.086	336.463	210.939	496.363	5.208	711644.070	354.171	128.646
σ		55.515	96.982	108.597	71.211	155.922	2.387	5117.881	25.260	31.302
%RSD		27.830	35.001	32.276	33.759	31.413	45.826	0.719	7.132	24.332

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	09:58:59	6.250	6.250	125.001	26.563	1264.118	3223.801	75.000	118.750	1578825.600
2	10:00:07	0.000	0.000	142.188	32.813	896.903	2209.546	54.688	115.625	1565155.700
3	10:01:15	3.125	3.125	73.438	9.375	829.712	1712.603	35.938	50.000	1589458.700
x		3.125	3.125	113.542	22.917	996.911	2381.983	55.208	94.792	1577813.400
σ		3.125	3.125	35.779	12.137	233.834	770.215	19.537	38.822	12183.071
%RSD		100.000	100.000	31.512	52.960	23.456	32.335	35.387	40.955	0.772

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	09:58:59	1626087.200	364.067	867.214	201.564	218.752	515.634	1339322.800	840.650
2	10:00:07	1614730.500	318.754	789.084	196.876	196.876	412.506	1326139.600	545.323
3	10:01:15	1635031.600	287.503	629.701	132.813	134.376	403.131	1344445.600	273.440
x		1625283.100	323.441	762.000	177.084	183.335	443.757	1336636.000	553.138
σ		10174.375	38.497	121.050	38.412	43.788	62.424	9444.134	283.686
%RSD		0.626	11.902	15.886	21.691	23.884	14.067	0.707	51.287

Reviewed By:jaswal
On:11/21/2011 2
12:38:57 PM
first id :P6

C4463-17 MH3B98 11/19/2011 10:05:46 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	10:06:54	27498.315	128.126	3669.221	2551.790	685459700.000	19188692.000	2751603.800	3335968.600	7624444.800
2	10:08:02	27579.722	118.750	3747.366	2581.483	684070660.000	19115889.000	2750477.200	3353419.600	7668816.500
3	10:09:10	27528.060	129.688	3791.128	2581.483	688549990.000	19254983.000	2747175.300	3371196.700	7652944.600
x		27535.366	125.521	3735.905	2571.586	686026780.000	19186521.000	2749752.100	3353528.300	7648735.300
σ		41.192	5.916	61.756	17.143	2292877.200	69572.342	2301.582	17614.320	22483.368
%RSD		0.150	4.713	1.653	0.667	0.334	0.363	0.084	0.525	0.294

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	10:06:54	4280617.200	221524.660	887654.410	4312132.100	13456662.000	180373.760	3172721.900	267617.790	63734.042
2	10:08:02	4259649.800	220128.320	888411.890	4342242.700	13542400.000	177111.440	3167701.400	272620.430	63225.540
3	10:09:10	4295874.500	218794.000	888312.220	4354559.500	13503527.000	178152.390	3167599.700	273173.020	64413.642
x		4278713.800	220148.990	888126.180	4336311.400	13500863.000	178545.870	3169341.000	271137.080	63791.075
σ		18187.219	1365.449	411.586	21826.691	42931.192	1666.369	2928.388	3060.295	596.101
%RSD		0.425	0.620	0.046	0.503	0.318	0.933	0.092	1.129	0.934

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	10:06:54	502149.530	338952.080	118728.840	5513744.300	11876657.000	94036877.000	2307341.600	27038.063	27238.443
2	10:08:02	513182.970	337709.090	124740.680	5474605.000	11732747.000	93497335.000	2301268.800	27158.604	27352.723
3	10:09:10	522651.510	340737.560	126638.520	5491940.600	11791283.000	93918352.000	2310051.300	26865.863	27296.366
x		512661.340	339132.910	123369.340	5493430.000	11800229.000	93817521.000	2306220.600	27020.843	27295.844
σ		10260.940	1522.309	4129.307	19612.111	72371.148	283551.860	4497.288	147.128	57.142
%RSD		2.002	0.449	3.347	0.357	0.613	0.302	0.195	0.544	0.209

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	10:06:54	153717.910	74672.777	34784.485	78941.993	1598.527	1598.527	1560.502	105.209	82.813
2	10:08:02	152645.560	75235.091	34681.109	79195.473	1725.104	1725.104	1528.728	133.334	87.500
3	10:09:10	153845.840	74867.542	35157.271	78911.617	1759.483	1759.483	1570.920	121.876	84.375
x		153403.100	74925.137	34874.288	79016.361	1694.372	1694.372	1553.383	120.139	84.896
σ		659.159	285.547	250.462	155.857	84.765	84.765	21.978	14.143	2.387
%RSD		0.430	0.381	0.718	0.197	5.003	5.003	1.415	11.772	2.811

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	10:06:54	60607.982	18552.664	28738.252	11584.383	30742.418	4.688	637272.710	1078.166	976.596
2	10:08:02	60702.130	18504.164	28760.171	12127.020	31121.362	3.125	649490.870	1023.474	954.719
3	10:09:10	60833.939	18928.156	29020.071	11948.745	31174.603	3.125	647186.620	1031.287	907.841
x		60714.684	18661.661	28839.498	11886.716	31012.794	3.646	644650.060	1044.309	946.386
σ		113.501	232.062	156.764	276.586	235.661	0.902	6492.029	29.580	35.127
%RSD		0.187	1.244	0.544	2.327	0.760	24.744	1.007	2.832	3.712

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	10:06:54	289.065	289.065	759.395	323.441	4622.623	6746.905	510150.650	901755.550	1487350.900
2	10:08:02	279.690	279.690	876.589	346.879	4436.626	6487.410	509168.080	902593.570	1504578.800
3	10:09:10	301.566	301.566	817.211	376.567	4466.323	6459.272	512417.140	905806.410	1515355.400
x		290.107	290.107	817.732	348.963	4508.524	6564.529	510578.620	903385.180	1502428.400
σ		10.975	10.975	58.599	26.624	99.922	158.568	1666.277	2138.305	14125.562
%RSD		3.783	3.783	7.166	7.630	2.216	2.416	0.326	0.237	0.940

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	10:06:54	1542278.700	1289.121	2987.812	106868.550	88778.125	221040.690	1193781.700	98502.492
2	10:08:02	1565524.300	1085.979	2615.865	106970.880	88113.089	220180.680	1212078.700	97791.381
3	10:09:10	1569031.100	1056.289	2518.972	108406.640	88638.198	221592.890	1216940.500	99053.155
x		1558944.700	1143.796	2707.550	107415.360	88509.804	220938.090	1207600.300	98449.009
σ		14539.293	126.727	247.502	859.999	350.616	711.674	12211.684	632.585
%RSD		0.933	11.080	9.141	0.801	0.396	0.322	1.011	0.643

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4463-07 MH3B90 11/19/2011 10:13:42 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	10:14:50	27819.248	123.438	3814.572	2351.756	671882750.000	18998849.000	2731279.400	3317348.100	8174666.000
2	10:15:58	27740.971	122.396	3830.201	2356.444	664755860.000	18860799.000	2722623.200	3327715.300	8098168.200
3	10:17:06	27628.253	130.730	3930.228	2376.760	671755660.000	19113316.000	2735406.800	3336755.600	8197987.200
x		27729.491	125.521	3858.334	2361.653	669464760.000	18990988.000	2729769.800	3327273.000	8156940.500
σ		96.014	4.541	62.751	13.291	4078520.000	126442.070	6524.153	9711.317	52216.918
%RSD		0.346	3.617	1.626	0.563	0.609	0.666	0.239	0.292	0.640

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	10:14:50	4522610.300	214587.150	862395.880	4102965.100	13405855.000	172437.600	3068473.200	269765.430	64264.536
2	10:15:58	4520988.600	213197.830	856417.450	4104133.500	13352216.000	173182.460	3079759.800	271266.900	65027.351
3	10:17:06	4559748.600	213783.040	859066.490	4116158.200	13353265.000	172214.620	3105688.500	267784.940	65112.111
x		4534449.200	213856.010	859293.280	4107752.300	13370445.000	172611.560	3084640.500	269605.760	64801.332
σ		21924.967	697.528	2995.659	7303.172	30670.355	506.832	19081.700	1746.465	466.807
%RSD		0.484	0.326	0.349	0.178	0.229	0.294	0.619	0.648	0.720

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	10:14:50	507989.720	338289.780	122575.180	5453928.400	11462442.000	91957290.000	2270972.600	27199.306	27261.925
2	10:15:58	518196.680	335589.710	126050.540	5408563.300	11484109.000	92396001.000	2264695.500	27213.395	27216.526
3	10:17:06	525269.970	338491.350	127858.690	5446602.400	11523618.000	93246971.000	2287461.900	27211.830	26959.790
x		517152.120	337456.940	125494.800	5436364.700	11490056.000	92533421.000	2274376.700	27208.177	27146.080
σ		8687.351	1620.213	2685.237	24353.756	31018.751	655730.340	11758.726	7.722	162.921
%RSD		1.680	0.480	2.140	0.448	0.270	0.709	0.517	0.028	0.600

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	10:14:50	160169.460	77820.762	33605.104	80005.698	1751.670	1751.670	1543.313	103.646	91.146
2	10:15:58	159460.020	77454.718	33445.355	79957.513	1828.242	1828.242	1525.602	107.813	88.542
3	10:17:06	159338.360	77732.785	33565.950	80163.349	1817.303	1817.303	1520.393	111.980	90.104
x		159655.950	77669.421	33538.803	80042.187	1799.072	1799.072	1529.769	107.813	89.931
σ		448.852	191.071	83.263	107.660	41.414	41.414	12.014	4.167	1.311
%RSD		0.281	0.246	0.248	0.135	2.302	2.302	0.785	3.865	1.458

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	10:14:50	58157.201	19798.084	29809.193	12419.459	32682.655	9.375	636348.470	1056.289	881.277
2	10:15:58	58447.445	19549.304	29148.457	12496.088	32345.953	4.688	647508.540	992.222	854.713
3	10:17:06	58756.521	20018.704	29397.404	12688.445	32654.466	10.938	643476.080	1025.037	926.593
x		58453.722	19788.698	29451.685	12534.664	32561.025	8.333	642444.360	1024.516	887.528
σ		299.709	234.840	333.696	138.580	186.790	3.253	5651.116	32.037	36.345
%RSD		0.513	1.187	1.133	1.106	0.574	39.031	0.880	3.127	4.095

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	10:14:50	301.566	301.566	707.830	364.067	3994.308	7039.234	524915.090	935331.800	1506793.400
2	10:15:58	251.565	251.565	757.833	360.942	3998.997	7028.291	526563.170	929103.830	1519621.800
3	10:17:06	290.628	290.628	726.581	357.817	4116.218	6937.622	528175.780	938496.780	1512446.600
x		281.253	281.253	730.748	360.942	4036.508	7001.716	526551.350	934310.800	1512953.900
σ		26.286	26.286	25.260	3.125	69.071	55.776	1630.378	4778.987	6429.204
%RSD		9.346	9.346	3.457	0.866	1.711	0.797	0.310	0.511	0.425

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	10:14:50	1565067.100	820.336	1981.387	110377.900	91314.349	228152.760	1219682.000	100950.740
2	10:15:58	1583698.300	796.897	1854.808	110617.240	91418.134	228521.080	1235269.400	101767.440
3	10:17:06	1563673.000	698.455	1842.306	112243.920	92861.776	229913.460	1223083.300	101333.120
x		1570812.800	771.896	1892.834	111079.680	91864.753	228862.430	1226011.600	101350.440
σ		11180.902	64.673	76.944	1015.331	865.005	928.662	8195.899	408.626
%RSD		0.712	8.378	4.065	0.914	0.942	0.406	0.669	0.403

Reviewed By:jeevel
on:11/21/2011
12:38:57 PM
Test 46 P8

C4463-08 MH3B90D 11/19/2011 10:21:37 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	10:22:45	26989.534	121.876	3866.148	2706.506	665393840.000	18969767.000	2734938.300	3324544.400	8043358.100
2	10:23:53	26989.534	118.230	3838.016	2558.041	661985840.000	18801892.000	2696531.600	3299031.300	8032027.600
3	10:25:02	27191.479	134.376	3677.036	2670.562	657650900.000	18753909.000	2678795.200	3276250.500	7933054.300
x		27056.849	124.827	3793.733	2645.037	661676860.000	18841856.000	2703421.700	3299942.100	8002813.300
σ		116.593	8.468	102.037	77.454	3880703.700	113342.270	28698.731	24159.839	60678.136
%RSD		0.431	6.784	2.690	2.928	0.586	0.602	1.062	0.732	0.758

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	10:22:45	4507512.800	211878.420	856624.650	3936103.700	13210826.000	172478.710	3075260.400	265422.710	63613.193
2	10:23:53	4466857.100	210996.760	852532.610	3953727.000	13161285.000	170974.860	3049547.800	263469.870	63432.705
3	10:25:02	4397559.600	208220.540	845350.670	3951365.800	13014470.000	170359.760	3016958.900	265955.930	62943.047
x		4457309.800	210365.240	851502.640	3947065.500	13128850.000	171271.110	3047255.700	264949.510	63329.648
σ		55594.897	1908.965	5707.123	9566.337	102114.610	1090.097	29218.248	1308.842	346.756
%RSD		1.247	0.907	0.670	0.242	0.778	0.636	0.959	0.494	0.548

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	10:22:45	506730.540	335114.690	123227.630	5432419.900	11514091.000	91553536.000	2267309.900	27227.485	27130.425
2	10:23:53	515801.350	327949.690	125700.600	5334377.100	11414753.000	91049490.000	2233868.400	26559.040	26446.332
3	10:25:02	517642.750	327252.730	126564.430	5255950.900	11276463.000	89608892.000	2203626.700	26405.631	27108.509
x		513391.550	330105.700	125164.220	5340916.000	11401769.000	90737306.000	2234935.000	26730.719	26895.088
σ		5841.614	4351.881	1731.857	88416.039	119344.820	1009210.000	31854.996	436.996	388.789
%RSD		1.138	1.318	1.384	1.655	1.047	1.112	1.425	1.635	1.446

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	10:22:45	159471.080	77811.336	34369.419	79403.393	1850.120	1850.120	1513.101	95.834	84.375
2	10:23:53	157609.970	76655.110	34114.121	78991.222	1803.239	1803.239	1477.681	109.896	77.604
3	10:25:02	155839.140	76692.811	34383.516	78121.878	1842.306	1842.306	1505.809	101.563	78.646
x		157640.070	77053.086	34289.019	78838.831	1831.888	1831.888	1498.863	102.431	80.209
σ		1816.157	656.934	151.630	654.208	25.117	25.117	18.704	7.071	3.646
%RSD		1.152	0.853	0.442	0.830	1.371	1.371	1.248	6.904	4.545

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	10:22:45	58381.551	19222.299	29156.285	12297.478	32386.670	12.500	629407.130	1065.665	898.466
2	10:23:53	58094.447	19776.179	28744.515	12447.608	31998.296	6.250	636446.440	1012.536	826.586
3	10:25:02	57623.796	19403.794	28774.262	12033.191	32162.727	10.938	632088.920	992.222	790.647
x		58033.265	19467.424	28891.687	12259.426	32182.564	9.896	632647.500	1023.474	838.566
σ		382.564	282.369	229.631	209.813	194.945	3.253	3552.743	37.924	54.899
%RSD		0.659	1.450	0.795	1.711	0.606	32.868	0.562	3.705	6.547

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	10:22:45	285.940	285.940	740.644	385.943	3994.308	6674.997	526631.240	931266.160	1480137.500
2	10:23:53	268.753	268.753	725.018	365.630	3894.281	6828.194	522427.930	926169.030	1510338.500
3	10:25:02	254.690	254.690	737.519	346.879	3819.260	6723.457	519735.460	921869.480	1505842.800
x		269.794	269.794	734.394	366.151	3902.617	6742.216	522931.540	926434.890	1498773.000
σ		15.651	15.651	8.268	19.537	87.821	78.303	3475.362	4703.976	16294.547
%RSD		5.801	5.801	1.126	5.336	2.250	1.161	0.665	0.508	1.087

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	10:22:45	1549674.800	701.580	1714.165	111417.170	92561.398	230348.510	1206490.300	103555.220
2	10:23:53	1569257.100	728.144	1642.282	111229.780	90301.692	227090.720	1227211.100	102113.650
3	10:25:02	1564270.900	701.580	1604.778	109538.660	92130.501	227506.640	1230471.300	101784.760
x		1561067.600	710.434	1653.742	110728.540	91664.530	228315.290	1221390.900	102484.540
σ		10176.610	15.337	55.587	1034.712	1199.756	1773.059	13006.858	941.706
%RSD		0.652	2.159	3.361	0.934	1.309	0.777	1.065	0.919

Reviewed By:BSwar
Dt:11/21/2011
12:38:57 PM
Test Id :P6

C4463-09 MH3B90S 11/19/2011 10:29:33 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	10:30:41	26283.532	3946.899	3650.466	2550.228	629479190.000	18045534.000	2578165.900	3148426.200	9692481.000
2	10:31:49	26679.577	3954.193	3703.605	2517.409	626020210.000	18039399.000	2582572.100	3154678.000	9524841.500
3	10:32:58	26576.260	3868.753	3484.800	2562.730	616565640.000	17668755.000	2560753.000	3128782.600	9466324.100
x		26513.123	3923.282	3612.957	2543.456	624021680.000	17917896.000	2573830.300	3143962.300	9561215.500
σ		205.433	47.364	114.123	23.407	6684724.700	215784.460	11537.637	13512.534	117384.140
%RSD		0.775	1.207	3.159	0.920	1.071	1.204	0.448	0.430	1.228

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	10:30:41	4390067.900	197947.920	801574.570	7431260.000	12586682.000	162004.030	2863941.400	256510.550	65705.443
2	10:31:49	4364372.600	194385.440	794485.160	7438757.200	12382227.000	158820.140	2834250.500	253995.900	65231.403
3	10:32:58	4337124.100	194261.900	784898.280	7382187.400	12285303.000	158368.290	2822277.500	252295.860	64412.073
x		4363854.900	195531.750	793652.670	7417401.500	12418071.000	159730.820	2840156.400	254267.440	65116.306
σ		26475.719	2093.374	8369.257	30725.853	153853.980	1981.579	21450.652	2120.425	654.322
%RSD		0.607	1.071	1.055	0.414	1.239	1.241	0.755	0.834	1.005

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	10:30:41	1746779.500	714216.720	226228.770	5303275.000	12352907.000	90289732.000	2214996.200	1250639.900	289185.150
2	10:31:49	1753799.400	711324.510	235319.170	5210746.800	12163090.000	88774756.000	2161138.600	1245205.500	283121.750
3	10:32:58	1755807.900	705385.960	241194.070	5188956.500	12041758.000	87564450.000	2136521.500	1230124.500	278435.670
x		1752128.900	710309.060	234247.340	5234326.100	12185918.000	88876313.000	2170885.400	1241990.000	283580.860
σ		4740.326	4502.100	7540.002	60697.309	156825.240	1365476.000	40135.061	10628.980	5389.426
%RSD		0.271	0.634	3.219	1.160	1.287	1.536	1.849	0.856	1.900

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	10:30:41	478655.510	235879.870	304249.480	97557.499	5388.516	5388.516	9466.677	3485.842	84.896
2	10:31:49	470978.450	232825.690	299073.140	96873.702	5451.040	5451.040	9527.134	3482.195	80.729
3	10:32:58	470429.550	229543.520	296659.520	95869.567	5744.905	5744.905	9349.934	3414.470	90.104
x		473354.500	232749.690	299994.050	96766.922	5528.154	5528.154	9447.915	3460.836	85.243
σ		4599.006	3168.856	3877.877	849.017	190.298	190.298	90.078	40.195	4.697
%RSD		0.972	1.361	1.293	0.877	3.442	3.442	0.953	1.161	5.510

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	10:30:41	55788.407	19547.740	29023.202	12605.559	32421.123	14.063	613413.160	3683.287	119718.290
2	10:31:49	55344.498	19394.406	28802.444	12305.297	31810.377	12.500	602883.510	3669.221	118342.840
3	10:32:58	55106.079	19164.408	28414.167	11995.659	32057.804	21.875	598544.140	3627.023	117243.210
x		55412.995	19368.851	28746.604	12302.172	32096.435	16.146	604946.940	3659.844	118434.780
σ		346.283	192.939	308.333	304.962	307.200	5.023	7646.256	29.281	1240.103
%RSD		0.625	0.996	1.073	2.479	0.957	31.109	1.264	0.800	1.047

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	10:30:41	2307.999	2307.999	116023.940	31741.474	5244.713	243995.730	1425196.600	2526108.000	1463500.500
2	10:31:49	2309.562	2309.562	115694.720	31589.575	4886.773	242676.670	1403547.800	2503438.600	1455138.800
3	10:32:58	2343.942	2343.942	114735.470	31227.844	4982.119	241524.580	1403676.800	2472473.400	1450259.300
x		2320.501	2320.501	115484.710	31519.631	5037.868	242732.330	1410807.100	2500673.400	1456299.500
σ		20.316	20.316	669.415	263.862	185.368	1236.515	12461.863	26924.051	6696.462
%RSD		0.875	0.875	0.580	0.837	3.679	0.509	0.883	1.077	0.460

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	10:30:41	1515450.700	182673.010	439015.500	171468.220	142458.340	351602.370	1198162.500	97843.297
2	10:31:49	1521483.300	183157.280	444910.930	172356.940	141391.570	353632.830	1189703.800	97580.572
3	10:32:58	1510797.600	182275.800	438611.180	170181.090	142202.690	351959.440	1195989.800	97593.158
x		1515910.500	182702.030	440845.870	171335.420	142017.530	352398.220	1194618.700	97672.342
σ		5357.683	441.456	3526.247	1093.989	556.966	1084.010	4392.872	148.185
%RSD		0.353	0.242	0.800	0.639	0.392	0.308	0.368	0.152

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Init Id :PB

C4463-07LX5 MH3B90L 11/19/2011 10:37:30 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	10:38:38	25319.292	57.813	848.463	879.715	124851810.000	3519054.800	483313.140	596387.960	1513402.900
2	10:39:46	25425.731	56.250	842.212	985.972	125601060.000	3536125.400	483868.990	599596.290	1514471.800
3	10:40:54	25421.035	61.458	787.522	1012.536	125259500.000	3501080.100	481718.430	595244.860	1509211.000
x		25388.686	58.507	826.056	959.407	125237460.000	3518753.400	482966.850	597076.370	1512361.900
σ		60.143	2.673	33.526	70.282	375110.090	17524.566	1116.320	2255.914	2780.593
%RSD		0.237	4.568	4.059	7.326	0.300	0.498	0.231	0.378	0.184
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	10:38:38	837768.300	40811.337	204939.220	1240162.700	2998117.200	31611.499	535107.980	240027.790	11842.406
2	10:39:46	843245.630	41635.585	205270.490	1235084.100	3023201.000	32004.560	530997.870	240072.280	11737.633
3	10:40:54	840175.560	40861.480	204720.490	1226264.500	2998334.200	31638.120	532846.060	244680.740	11894.012
x		840396.500	41102.800	204976.730	1233837.100	3006550.800	31751.393	532983.970	241593.600	11824.684
σ		2745.340	462.086	276.910	7032.515	14419.945	219.653	2058.524	2673.628	79.682
%RSD		0.327	1.124	0.135	0.570	0.480	0.692	0.386	1.107	0.674
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	10:38:38	215384.960	66421.242	64573.738	1017634.700	2101830.400	17388169.000	418134.130	5863.703	5518.253
2	10:39:46	212266.940	66468.335	62986.990	1028722.500	2120673.400	17513465.000	422529.400	5587.030	5429.157
3	10:40:54	206359.450	66808.981	61431.802	1015511.600	2096682.700	17320966.000	417394.210	5771.478	5501.059
x		211337.120	66566.186	62997.510	1020622.900	2106395.500	17407533.000	419352.580	5740.737	5482.823
σ		4584.038	211.581	1570.994	7094.292	12630.076	97699.526	2775.973	140.875	47.265
%RSD		2.169	0.318	2.494	0.695	0.600	0.561	0.662	2.454	0.862
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	10:38:38	30250.745	14770.132	6851.643	17507.596	1259.430	1259.430	1311.518	78.646	78.646
2	10:39:46	30432.380	14618.413	6607.778	17464.314	1285.995	1285.995	1357.356	78.646	73.438
3	10:40:54	30560.779	14768.567	6779.733	17401.217	1175.048	1175.048	1408.403	83.854	70.834
x		30414.635	14719.037	6746.385	17457.709	1240.158	1240.158	1359.093	80.382	74.306
σ		155.777	87.147	125.306	53.497	57.930	57.930	48.465	3.007	3.978
%RSD		0.512	0.592	1.857	0.306	4.671	4.671	3.566	3.741	5.353
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	10:38:38	10919.797	3628.586	5383.827	2373.635	6146.635	1.563	619244.320	398.443	296.878
2	10:39:46	10827.539	3648.903	5593.282	2387.700	6240.425	4.688	623369.610	462.507	256.252
3	10:40:54	10766.556	3741.115	5610.476	2347.068	6157.577	3.125	633128.790	420.319	253.127
x		10837.964	3672.868	5529.195	2369.467	6181.546	3.125	625247.580	427.090	268.753
σ		77.151	59.970	126.186	20.634	51.284	1.563	7130.197	32.565	24.408
%RSD		0.712	1.633	2.282	0.871	0.830	50.000	1.140	7.625	9.082
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	10:38:38	62.500	62.500	240.627	95.313	834.399	1639.157	100993.230	179223.480	1463179.300
2	10:39:46	37.500	37.500	204.689	90.625	857.838	1520.393	100813.840	179142.790	1462984.200
3	10:40:54	53.125	53.125	275.003	87.500	848.463	1456.324	100631.310	178315.350	1491052.300
x		51.042	51.042	240.106	91.146	846.900	1538.625	100812.800	178893.870	1472405.300
σ		12.630	12.630	35.160	3.932	11.797	92.770	180.960	502.640	16149.090
%RSD		24.744	24.744	14.643	4.314	1.393	6.029	0.180	0.281	1.097
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	10:38:38	1521774.500	546.885	1342.251	22422.270	18530.761	46574.235	1239038.300	20353.552	
2	10:39:46	1518403.400	456.257	1110.981	22461.394	18904.688	46299.907	1256508.900	20549.144	
3	10:40:54	1563151.500	429.694	953.157	21912.105	18364.922	46038.126	1261979.700	20001.492	
x		1534443.200	477.612	1135.463	22265.256	18600.123	46304.089	1252509.000	20301.396	
σ		24919.254	61.445	195.699	306.463	276.487	268.079	11982.361	277.526	
%RSD		1.624	12.865	17.235	1.376	1.486	0.579	0.957	1.367	

C4463-17X25 MH3B98 11/19/2011 10:45:26 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	10:46:34	25297.379	41.667	195.314	723.456	26342318.000	710306.960	99108.222	120942.600	317430.100
2	10:47:42	25488.343	52.604	192.189	737.519	26220186.000	711728.270	99265.559	121892.820	314166.960
3	10:48:50	25463.298	46.875	195.314	748.457	26414377.000	715855.120	99517.301	122702.830	316824.700
x		25416.340	47.049	194.272	736.477	26325627.000	712630.120	99297.027	121846.080	316140.590
σ		103.782	5.471	1.804	12.533	98165.485	2881.927	206.347	881.044	1735.809
%RSD		0.408	11.628	0.929	1.702	0.373	0.404	0.208	0.723	0.549

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	10:46:34	160524.980	10846.303	91913.485	782005.290	1112246.100	6904.793	111226.630	240679.240	2401.764
2	10:47:42	161144.390	10824.412	91330.074	786043.090	1112441.800	6706.261	111672.280	242261.910	2478.340
3	10:48:50	161912.380	10643.026	92188.687	777124.460	1112016.800	6718.767	111951.010	240386.880	2501.782
x		161193.910	10771.247	91810.749	781724.280	1112234.900	6776.607	111616.640	241109.340	2460.629
σ		695.025	111.581	438.429	4465.950	212.724	111.188	365.379	1008.798	52.308
%RSD		0.431	1.036	0.478	0.571	0.019	1.641	0.327	0.418	2.126

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	10:46:34	116846.220	14895.261	37655.813	218779.720	436974.650	3763738.100	89263.951	1495.391	1245.367
2	10:47:42	115045.760	15020.392	36960.250	220371.080	439476.220	3802807.500	88924.343	1300.059	1304.747
3	10:48:50	113292.770	14554.285	36422.935	220432.970	441525.480	3800120.500	89094.146	1220.365	1251.617
x		115061.590	14823.313	37013.000	219861.260	439325.450	3788888.700	89094.146	1338.605	1267.244
σ		1776.778	241.239	618.129	937.151	2279.157	21822.466	169.804	141.507	32.629
%RSD		1.544	1.627	1.670	0.426	0.519	0.576	0.191	10.571	2.575

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	10:46:34	6196.656	3023.758	1578.212	5257.217	809.398	809.398	1394.860	63.542	70.313
2	10:47:42	6179.461	3095.648	1687.600	5244.713	817.211	817.211	1372.462	76.563	80.729
3	10:48:50	6120.061	3039.386	1634.468	5066.002	862.526	862.526	1350.064	60.417	60.938
x		6165.393	3052.930	1633.427	5189.311	829.712	829.712	1372.462	66.840	70.660
σ		40.189	37.811	54.701	106.971	28.685	28.685	22.398	8.563	9.900
%RSD		0.652	1.239	3.349	2.061	3.457	3.457	1.632	12.812	14.011

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	10:46:34	2182.979	779.709	1121.919	498.446	1187.549	3.125	635455.310	334.379	117.188
2	10:47:42	2434.582	742.207	1065.665	535.948	1264.118	9.375	638543.220	287.503	103.125
3	10:48:50	2306.436	765.646	1118.794	453.132	1254.743	1.563	633172.870	335.941	87.500
x		2307.999	762.520	1102.126	495.842	1235.470	4.688	635723.800	319.274	102.605
σ		125.809	18.945	31.615	41.469	41.765	4.134	2695.222	27.526	14.851
%RSD		5.451	2.485	2.869	8.363	3.380	88.192	0.424	8.621	14.474

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	10:46:34	14.063	14.063	100.000	26.563	250.002	387.505	20126.668	35008.468	1477347.900
2	10:47:42	10.938	10.938	85.938	31.250	265.627	345.317	20208.033	36112.775	1484909.200
3	10:48:50	7.813	7.813	76.563	31.250	295.316	382.818	20065.645	35274.747	1477092.100
x		10.938	10.938	87.500	29.688	270.315	371.880	20133.448	35465.330	1479783.000
σ		3.125	3.125	11.797	2.706	23.018	23.123	71.436	576.294	4441.211
%RSD		28.571	28.571	13.482	9.116	8.515	6.218	0.355	1.625	0.300

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	10:46:34	1535349.500	209.377	525.010	4807.059	3802.068	9306.155	1267202.100	4188.114
2	10:47:42	1531404.700	209.377	503.134	4594.489	3670.784	9484.397	1284820.000	4014.626
3	10:48:50	1546797.500	190.626	423.444	4821.126	3880.214	9554.757	1282127.900	4170.921
x		1537850.600	203.126	483.862	4740.891	3784.356	9448.436	1278050.000	4124.554
σ		7995.365	10.825	53.455	126.983	105.833	128.143	9490.505	95.587
%RSD		0.520	5.329	11.048	2.678	2.797	1.356	0.743	2.318

Reviewed By jaswal
On 11/21/2011
12:38:57 PM
in Lab P6

C4463-07X25 MH3B90 11/19/2011 10:53:23 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	10:54:31	25784.185	39.583	218.752	625.014	25540464.000	705305.570	97958.143	119601.700	337429.160
2	10:55:39	25328.684	51.563	171.876	729.706	25571244.000	702867.850	98010.060	120859.090	335440.960
3	10:56:47	25320.858	35.938	165.626	690.642	25663902.000	704559.120	97638.780	120945.760	338996.870
x̄		25477.909	42.361	185.418	681.787	25591870.000	704244.180	97868.994	120468.850	337289.000
σ		265.272	8.175	29.037	52.905	64252.030	1249.004	201.054	752.223	1782.095
%RSD		1.041	19.297	15.660	7.760	0.251	0.177	0.205	0.624	0.528

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	10:54:31	170919.520	10297.460	91320.639	758990.590	1102779.300	6449.893	108609.740	240903.280	2543.977
2	10:55:39	170777.200	10589.861	91543.936	763440.420	1103834.500	6604.651	109430.020	240908.050	2456.461
3	10:56:47	169942.340	10794.702	91578.532	766296.800	1103627.100	6321.711	109061.600	240361.460	2520.535
x̄		170546.350	10560.674	91481.035	762909.270	1103413.700	6458.752	109033.790	240724.260	2506.991
σ		527.910	249.903	139.981	3681.953	559.023	141.678	410.850	314.208	45.302
%RSD		0.310	2.366	0.153	0.483	0.051	2.194	0.377	0.131	1.807

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	10:54:31	98415.961	14741.977	31066.555	215740.260	428260.380	3743773.500	87113.235	1165.673	1178.174
2	10:55:39	98499.345	14641.875	30823.843	217489.930	424072.570	3719952.900	87320.746	1103.168	1296.934
3	10:56:47	97206.157	14921.852	30845.765	217583.530	427679.300	3752586.900	87644.595	1200.050	1267.244
x̄		98040.488	14768.568	30912.055	216937.910	426670.750	3738771.100	87359.526	1156.297	1247.450
σ		723.753	141.870	134.250	1038.246	2268.771	16882.301	267.794	49.117	61.805
%RSD		0.738	0.961	0.434	0.479	0.532	0.452	0.307	4.248	4.954

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	10:54:31	6295.137	2942.490	1681.349	4898.756	656.265	656.265	1352.147	79.167	68.229
2	10:55:39	6501.479	3090.959	1598.527	4906.572	710.955	710.955	1371.941	72.396	75.521
3	10:56:47	6384.239	3087.834	1636.031	4859.160	701.580	701.580	1317.769	66.146	75.000
x̄		6393.618	3040.428	1638.636	4888.163	689.600	689.600	1347.286	72.570	72.917
σ		103.490	84.831	41.472	25.419	29.247	29.247	27.411	6.512	4.068
%RSD		1.619	2.790	2.531	0.520	4.241	4.241	2.035	8.974	5.579

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	10:54:31	2231.424	795.335	1060.977	540.635	1201.613	7.813	634140.990	328.129	82.813
2	10:55:39	2261.116	782.834	1170.360	576.574	1225.053	6.250	629911.460	320.316	53.125
3	10:56:47	2222.048	817.211	1123.482	495.321	1193.800	7.813	627607.040	300.003	57.813
x̄		2238.196	798.460	1118.273	537.510	1206.822	7.292	630553.160	316.149	64.583
σ		20.396	17.400	54.877	40.717	16.264	0.902	3313.905	14.518	15.960
%RSD		0.911	2.179	4.907	7.575	1.348	12.372	0.526	4.592	24.712

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	10:54:31	7.813	7.813	40.625	26.563	262.502	387.505	20458.389	35915.403	1478545.600
2	10:55:39	10.938	10.938	65.625	39.063	300.003	434.382	20383.281	36372.808	1475559.200
3	10:56:47	9.375	9.375	60.938	17.188	267.190	307.816	20121.974	36538.856	1484281.500
x̄		9.375	9.375	55.729	27.604	276.565	376.568	20321.215	36275.689	1479462.100
σ		1.563	1.563	13.289	10.975	20.433	63.988	176.587	322.874	4432.793
%RSD		16.667	16.667	23.846	39.757	7.388	16.992	0.869	0.890	0.300

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	10:54:31	1532525.300	232.814	459.382	4736.723	3870.837	10122.335	1270558.000	4302.210
2	10:55:39	1538894.400	168.751	492.196	4710.151	3889.592	10183.316	1281530.900	4320.966
3	10:56:47	1546886.100	190.626	407.818	4589.800	3948.983	10028.519	1278546.000	4302.210
x̄		1539435.200	197.397	453.132	4678.891	3903.137	10111.390	1276878.300	4308.462
σ		7195.656	32.564	42.535	78.291	40.796	77.977	5673.345	10.829
%RSD		0.467	16.497	9.387	1.673	1.045	0.771	0.444	0.251

Reviewed By:aswal
On:11/21/2011
12:38:57 PM
Inst Id: P6

C4463-08X25 MH3B90D 11/19/2011 11:01:20 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	11:02:28	25328.684	31.771	164.063	673.453	25293053.000	693948.860	96226.118	119951.490	330824.220
2	11:03:36	25327.119	34.896	201.564	715.643	25386265.000	690372.300	97245.486	119721.440	329682.650
3	11:04:45	24982.763	41.667	151.563	715.643	25593140.000	697055.710	97273.803	120068.090	329137.480
x̄		25212.855	36.111	172.397	701.580	25424152.000	693792.290	96915.136	119913.670	329881.450
σ		199.267	5.059	26.021	24.358	153589.210	3344.455	596.875	176.387	860.760
%RSD		0.790	14.008	15.094	3.472	0.604	0.482	0.616	0.147	0.261

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	11:02:28	168389.740	10577.352	90817.446	744843.090	1096022.300	6384.239	107235.350	236680.450	2456.461
2	11:03:36	167055.460	10435.060	90649.195	753834.290	1096559.700	6259.183	108065.000	239562.260	2434.582
3	11:04:45	168876.690	10696.190	92188.687	752320.010	1095532.000	6418.629	108889.980	236759.870	2350.193
x̄		168107.300	10569.534	91218.443	750332.470	1096038.000	6354.017	108063.450	237667.530	2413.746
σ		942.893	130.741	844.457	4813.851	514.008	83.909	827.318	1641.370	56.115
%RSD		0.561	1.237	0.926	0.642	0.047	1.321	0.766	0.691	2.325

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	11:02:28	88480.977	14382.236	27842.731	214487.230	425247.350	3699437.400	86588.183	1100.042	1232.866
2	11:03:36	89293.824	14260.239	28021.205	214644.250	420585.790	3711770.900	86497.008	1067.227	1206.301
3	11:04:45	87727.917	14640.311	28162.106	214937.680	424421.780	3715694.000	87309.742	1053.164	1210.989
x̄		88500.906	14427.595	28008.681	214689.720	423418.310	3708967.500	86798.311	1073.478	1216.718
σ		783.144	194.053	160.055	228.639	2487.518	8483.121	445.252	24.056	14.179
%RSD		0.885	1.345	0.571	0.106	0.587	0.229	0.513	2.241	1.165

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	11:02:28	6273.252	3170.664	1604.778	4625.749	621.889	621.889	1354.752	73.959	74.479
2	11:03:36	6363.917	3167.539	1650.095	4687.227	667.203	667.203	1353.710	68.229	60.417
3	11:04:45	6390.492	3103.462	1615.716	4645.026	575.012	575.012	1322.978	68.229	71.875
x̄		6342.554	3147.222	1623.530	4652.667	621.368	621.368	1343.813	70.139	68.924
σ		61.470	37.929	23.648	31.443	46.098	46.098	18.051	3.308	7.481
%RSD		0.969	1.205	1.457	0.676	7.419	7.419	1.343	4.716	10.855

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	11:02:28	2087.653	771.896	1185.987	487.508	1237.554	10.938	627631.520	285.940	54.688
2	11:03:36	2206.420	809.398	1204.738	487.508	1210.989	14.063	627045.670	353.129	60.938
3	11:04:45	2317.375	787.522	1179.736	425.006	1178.174	9.375	624231.030	384.380	68.750
x̄		2203.816	789.605	1190.154	466.674	1208.905	11.458	626302.740	341.150	61.458
σ		114.884	18.838	13.011	36.086	29.745	2.387	1817.908	50.301	7.046
%RSD		5.213	2.386	1.093	7.732	2.460	20.830	0.290	14.745	11.464

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	11:02:28	23.438	23.438	67.188	23.438	221.877	335.941	20358.246	36140.971	1461789.500
2	11:03:36	15.625	15.625	50.000	26.563	253.127	328.129	20014.010	35396.924	1465223.800
3	11:04:45	9.375	9.375	64.063	25.000	265.627	393.755	20489.683	35758.761	1458645.900
x̄		16.146	16.146	60.417	25.000	246.877	352.609	20287.313	35765.552	1461886.400
σ		7.046	7.046	9.155	1.563	22.535	35.848	245.642	372.070	3290.034
%RSD		43.638	43.638	15.154	6.250	9.128	10.166	1.211	1.040	0.225

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	11:02:28	1509564.300	159.376	384.380	4556.977	3722.360	9514.105	1260104.200	4138.099
2	11:03:36	1530858.400	146.876	356.254	4761.731	3895.844	9717.366	1276342.700	4095.900
3	11:04:45	1526219.500	131.251	357.817	4713.277	3939.606	9834.634	1259692.000	4242.818
x̄		1522214.100	145.834	366.151	4677.328	3852.603	9688.702	1265379.600	4158.939
σ		11197.848	14.092	15.807	107.006	114.897	162.176	9496.521	75.643
%RSD		0.736	9.663	4.317	2.288	2.982	1.674	0.750	1.819

Reviewed By:jarwal
On:11/21/2011
12:38:57 PM
Init to :P6

C4463-09X25 MH3B90S 11/19/2011 11:09:18 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	11:10:26	25261.378	182.814	210.939	739.082	24589288.000	679169.640	94399.933	116447.680	395167.510
2	11:11:35	25300.509	203.647	201.564	746.895	24506623.000	675328.180	94392.068	117416.490	399277.900
3	11:12:43	25439.819	194.272	148.438	700.017	24483827.000	674742.060	94793.148	115638.010	393124.790
x		25333.902	193.578	186.980	728.664	24526580.000	676413.290	94528.383	116500.730	395856.730
σ		93.790	10.434	33.706	25.115	55490.422	2404.990	229.327	890.427	3133.918
%RSD		0.370	5.390	18.026	3.447	0.226	0.356	0.243	0.764	0.792

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	11:10:26	168528.870	10214.588	90075.269	861570.100	1084419.400	6174.772	104192.650	236852.010	2628.367
2	11:11:35	169199.220	10319.351	90776.563	868791.470	1089325.500	6034.087	105495.910	236618.500	2475.214
3	11:12:43	165544.270	10436.623	90646.050	862939.800	1081504.100	6215.414	103555.220	241666.000	2504.907
x		167757.450	10323.521	90499.294	864433.790	1085083.000	6141.424	104414.590	238378.830	2536.163
σ		1945.757	111.076	372.969	3835.504	3952.709	95.152	989.196	2849.165	81.219
%RSD		1.160	1.076	0.412	0.444	0.364	1.549	0.947	1.195	3.202

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	11:10:26	125968.570	29043.556	29243.964	220686.840	471146.350	3723929.700	87815.955	49186.091	11648.497
2	11:11:35	126583.340	29430.284	29398.969	216698.350	471622.620	3764262.100	88208.991	49032.440	11753.270
3	11:12:43	126225.510	29303.461	28913.605	214480.890	468776.520	3703441.100	86490.720	48014.930	11393.604
x		126259.140	29259.100	29185.513	217288.690	470515.160	3730544.300	87505.222	48744.487	11598.457
σ		308.763	197.143	247.905	3144.812	1524.424	30945.299	900.294	636.469	184.981
%RSD		0.245	0.674	0.849	1.447	0.324	0.830	1.029	1.306	1.595

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	11:10:26	19269.237	9589.155	12397.565	5195.215	715.643	715.643	1642.803	183.855	78.646
2	11:11:35	19248.897	9578.210	12605.559	5119.146	703.142	703.142	1647.491	226.043	69.792
3	11:12:43	19361.549	9335.862	12258.382	5143.113	704.705	704.705	1650.616	178.126	65.625
x		19293.228	9501.076	12420.502	5152.492	707.830	707.830	1646.970	196.008	71.354
σ		60.036	143.184	174.721	38.892	6.811	6.811	3.933	26.168	6.650
%RSD		0.311	1.507	1.407	0.755	0.962	0.962	0.239	13.351	9.319

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	11:10:26	2256.428	746.895	1162.547	467.195	1373.504	6.250	621589.840	445.319	4771.109
2	11:11:35	2187.668	840.650	1182.862	478.133	1375.066	9.375	623178.740	448.445	4850.823
3	11:12:43	2268.930	784.397	1168.798	510.947	1340.688	12.500	634514.860	390.630	4943.042
x		2237.675	790.647	1171.402	485.425	1363.086	9.375	626427.810	428.131	4854.992
σ		43.757	47.189	10.404	22.769	19.413	3.125	7048.508	32.514	86.042
%RSD		1.955	5.968	0.888	4.691	1.424	33.333	1.125	7.595	1.772

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	11:10:26	92.188	92.188	4761.731	1242.242	295.316	9953.466	57247.287	99435.484	1456547.100
2	11:11:35	89.063	89.063	4808.622	1373.504	285.940	9720.494	57291.213	101742.270	1473062.400
3	11:12:43	85.938	85.938	4846.134	1223.490	303.128	9976.920	57175.124	100809.120	1495045.300
x		89.063	89.063	4805.496	1279.745	294.795	9883.627	57237.874	100662.290	1474884.900
σ		3.125	3.125	42.288	81.737	8.606	141.763	58.614	1160.380	19313.722
%RSD		3.509	3.509	0.880	6.387	2.919	1.434	0.102	1.153	1.310

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	11:10:26	1519601.000	7686.442	18618.375	7498.843	6109.118	14892.133	1260163.800	4050.574
2	11:11:35	1534639.900	7917.819	18490.083	7320.625	6146.635	14854.594	1280260.100	4202.181
3	11:12:43	1544649.900	7681.752	18477.567	7369.088	6077.855	14962.519	1294172.900	3941.169
x		1532963.600	7762.004	18528.675	7396.185	6111.203	14903.082	1278198.900	4064.641
σ		12608.310	134.959	77.934	92.147	34.437	54.789	17097.950	131.073
%RSD		0.822	1.739	0.421	1.246	0.564	0.368	1.338	3.225

Reviewed By:
On:11/21/2011
12:36:57 PM
Init Id :PB

C4463-07LX125 MH3B90L 11/19/2011 11:17:16 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	11:18:24	25361.555	38.542	50.000	689.079	5567418.700	143406.820	19913.870	24434.942	98179.970
2	11:19:32	24807.458	38.542	50.000	682.829	5551706.900	142371.550	20012.445	24409.899	97287.961
3	11:20:40	25181.549	32.813	73.438	643.765	5498773.600	139977.750	19544.611	24373.900	96960.748
x		25116.854	36.632	57.813	671.891	5539299.700	141918.710	19823.642	24406.247	97476.227
σ		282.657	3.308	13.532	24.558	35965.085	1758.815	246.623	30.684	631.038
%RSD		1.125	9.030	23.406	3.655	0.649	1.239	1.244	0.126	0.647

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	11:18:24	35913.836	4485.079	68458.952	665000.860	719953.570	1384.442	23167.207	237069.630	618.763
2	11:19:32	35503.438	4550.725	67879.635	663289.620	722510.750	1345.376	23010.705	236755.110	532.822
3	11:20:40	35537.898	4431.937	68637.933	662684.350	722052.500	1307.872	22339.328	241866.220	665.641
x		35651.724	4489.247	68325.507	663658.280	721505.610	1345.897	22839.080	238563.650	605.742
σ		227.649	59.503	396.371	1201.450	1363.495	38.288	439.815	2864.430	67.360
%RSD		0.639	1.325	0.580	0.181	0.189	2.845	1.926	1.201	11.120

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	11:18:24	61764.482	4555.414	20342.598	52259.475	85627.732	873863.820	19391.277	273.440	418.756
2	11:19:32	61133.652	4628.875	19871.624	52700.152	85313.360	873062.280	19915.435	296.878	414.068
3	11:20:40	60010.153	4514.776	19710.463	51953.675	84167.530	866044.480	19622.843	331.254	420.319
x		60969.429	4566.355	19974.895	52304.434	85036.207	870990.190	19643.185	300.524	417.714
σ		888.619	57.831	328.478	375.264	768.542	4301.822	262.670	29.079	3.253
%RSD		1.457	1.266	1.644	0.717	0.904	0.494	1.337	9.676	0.779

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	11:18:24	1564.148	645.327	537.510	1919.921	478.133	478.133	1330.791	60.417	62.500
2	11:19:32	1651.658	685.954	550.011	1953.779	468.758	468.758	1355.794	70.834	75.521
3	11:20:40	1568.836	710.955	534.385	1926.692	445.319	445.319	1343.292	74.479	71.354
x		1594.881	680.745	540.635	1933.464	464.070	464.070	1343.292	68.577	69.792
σ		49.226	33.123	8.268	17.916	16.902	16.902	12.501	7.298	6.650
%RSD		3.087	4.866	1.529	0.927	3.642	3.642	0.931	10.642	9.528

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	11:18:24	467.195	178.126	218.752	142.188	234.377	12.500	630988.720	284.378	25.000
2	11:19:32	468.758	198.439	292.190	154.688	282.815	1.563	627520.550	270.315	32.813
3	11:20:40	453.132	154.688	240.627	121.876	321.879	4.688	636059.450	287.503	26.563
x		463.028	177.084	250.523	139.584	279.690	6.250	631522.910	280.732	28.125
σ		8.606	21.894	37.706	16.561	43.834	5.634	4294.444	9.156	4.134
%RSD		1.859	12.364	15.051	11.864	15.673	90.139	0.680	3.261	14.699

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	11:18:24	7.813	7.813	35.938	10.938	212.502	143.751	4167.795	7259.657	1462619.900
2	11:19:32	1.563	1.563	20.313	6.250	167.188	112.500	4066.204	7179.929	1470225.600
3	11:20:40	4.688	4.688	28.125	10.938	182.814	132.813	3972.427	7050.177	1509796.400
x		4.688	4.688	28.125	9.375	187.501	129.688	4068.809	7163.254	1480880.700
σ		3.125	3.125	7.813	2.706	23.017	15.858	97.710	105.731	25328.891
%RSD		66.667	66.667	27.778	28.868	12.276	12.228	2.401	1.476	1.710

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	11:18:24	1523216.700	135.938	303.128	1017.224	776.584	2192.356	1281479.700	870.339
2	11:19:32	1533935.600	146.876	312.503	1096.917	923.467	2207.983	1283572.900	932.843
3	11:20:40	1565079.300	129.688	334.379	1015.661	910.967	2148.599	1306388.200	801.585
x		1540743.900	137.501	316.670	1043.267	870.339	2182.979	1290480.200	868.256
σ		21745.862	8.700	16.037	46.469	81.435	30.782	13816.357	65.654
%RSD		1.411	6.327	5.064	4.454	9.357	1.410	1.071	7.562

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id: P6

CCV65 11/19/2011 11:25:12 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	11:26:20	25851.494	41461.643	7051.740	796.897	50852018.000	36311253.000	5233301.300	6363283.300	9727515.000
2	11:27:28	25873.409	41350.906	7204.941	817.211	50781968.000	36297186.000	5211727.600	6374718.700	9732948.500
3	11:28:36	26228.744	41362.920	7298.739	759.395	50920050.000	36305968.000	5179534.200	6371581.500	9642826.300
x		25984.549	41391.823	7185.140	791.168	50851346.000	36304802.000	5208187.700	6369861.200	9701096.600
σ		211.762	60.764	124.684	29.331	69043.227	7105.921	27057.775	5908.610	50536.602
%RSD		0.815	0.147	1.735	3.707	0.136	0.020	0.520	0.093	0.521

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	11:26:20	105777.670	565139.710	120980.420	674719.140	34343243.000	160210.540	2824946.600	250631.000	82020.722
2	11:27:28	106939.390	571644.100	121391.700	674994.180	34352922.000	161114.370	2842473.900	252427.850	82880.350
3	11:28:36	105258.230	568541.070	119516.620	671805.270	34213412.000	161044.840	2811588.200	252625.040	82330.308
x		105991.760	568441.630	120629.580	673839.530	34303193.000	160789.920	2826336.300	251894.630	82410.460
σ		860.789	3253.338	985.548	1767.082	77902.533	502.958	15489.662	1098.768	435.383
%RSD		0.812	0.572	0.817	0.262	0.227	0.313	0.548	0.436	0.528

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	11:26:20	1286263.500	1158948.400	158107.620	4642240.700	3704490.600	78038683.000	1905728.800	1418541.500	303438.760
2	11:27:28	1288533.200	1163774.300	157636.830	4666419.300	3722836.700	78253578.000	1905766.100	1410626.400	301774.370
3	11:28:36	1278365.200	1149237.100	157057.060	4628648.600	3726062.200	78135080.000	1894228.400	1415615.200	299960.200
x		1284387.300	1157319.900	157600.500	4645769.600	3717796.500	78142447.000	1901907.800	1414927.700	301724.440
σ		5337.315	7404.157	526.219	19131.023	11635.551	107636.910	6650.557	4002.094	1739.821
%RSD		0.416	0.640	0.334	0.412	0.313	0.138	0.350	0.283	0.577

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	11:26:20	1512356.500	742742.540	618954.010	266550.720	15539.697	15539.697	49455.770	20141.793	65.625
2	11:27:28	1509526.200	746774.490	621315.790	267611.950	15273.786	15273.786	49444.795	20147.009	72.396
3	11:28:36	1521457.300	748319.450	620682.900	265564.370	15320.711	15320.711	49757.858	19984.281	69.792
x		1514446.700	745945.490	620317.570	266575.680	15378.065	15378.065	49552.808	20091.028	69.271
σ		6234.101	2879.393	1222.539	1024.017	141.931	141.931	177.664	92.482	3.415
%RSD		0.412	0.386	0.197	0.384	0.923	0.923	0.359	0.460	4.930

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	11:26:20	266159.670	464675.430	511350.230	295646.660	773553.910	14.063	639748.510	31664.742	1473687.800
2	11:27:28	267667.140	468224.480	507546.240	295825.300	775629.210	12.500	651004.350	32028.050	1473174.700
3	11:28:36	266759.780	467707.960	509801.000	296970.580	779579.510	12.500	647178.450	32028.050	1478860.200
x		266862.200	466869.290	509565.820	296147.510	776254.210	13.021	645977.100	31906.947	1475240.900
σ		758.933	1917.408	1912.867	718.367	3061.035	0.902	5723.275	209.756	3144.861
%RSD		0.284	0.411	0.375	0.243	0.394	6.928	0.886	0.657	0.213

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	11:26:20	24125.041	24125.041	1443548.300	364432.020	988770.650	1530152.500	1352666.800	2375497.100	1508111.300
2	11:27:28	23769.759	23769.759	1446430.000	362226.990	990386.390	1550765.400	1343796.300	2387983.900	1519124.400
3	11:28:36	23469.262	23469.262	1435533.800	362007.470	994389.710	1546443.300	1348728.700	2380988.300	1518469.300
x		23788.021	23788.021	1441837.300	362888.820	991182.250	1542453.700	1348397.300	2381489.800	1515235.000
σ		328.270	328.270	5645.992	1340.945	2892.834	10870.157	4444.521	6258.465	6177.999
%RSD		1.380	1.380	0.392	0.370	0.292	0.705	0.330	0.263	0.408

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	11:26:20	1582587.800	2159452.000	5294856.900	1711616.600	1604232.900	3915571.000	1259254.300	8587386.500
2	11:27:28	1579612.100	2157348.100	5323692.400	1721152.800	1617892.900	3872954.000	1268125.800	8526075.600
3	11:28:36	1583188.300	2157192.700	5341044.300	1716757.100	1609209.700	3904367.200	1280956.000	8543140.100
x		1581796.100	2157997.600	5319864.500	1716508.800	1610445.200	3897630.700	1269445.400	8552200.700
σ		1915.076	1261.964	23330.391	4772.905	6913.286	22092.706	10910.890	31643.785
%RSD		0.121	0.058	0.439	0.278	0.429	0.567	0.860	0.370

Reviewed By:eswal
On:11/21/2011
12:38:57 PM
Inst Id: IP6

CCB65 11/19/2011 11:33:07 AM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	11:34:15	25145.548	41.146	148.438	662.515	610420.210	3930.228	521.885	634.389	37433.355
2	11:35:23	25327.119	44.792	100.000	637.514	607615.290	3522.309	442.194	543.760	37718.478
3	11:36:32	25172.158	38.021	103.125	653.140	608231.320	3797.380	454.695	564.074	37318.994
x		25214.942	41.320	117.188	651.057	608755.610	3749.972	472.925	580.741	37490.276
σ		98.055	3.389	27.109	12.630	1474.129	208.051	42.859	47.558	205.735
%RSD		0.389	8.201	23.133	1.940	0.242	5.548	9.063	8.189	0.549

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	11:34:15	3309.758	3309.758	62263.516	649181.980	624410.500	64.063	1715.728	242490.740	118.750
2	11:35:23	3597.328	3012.818	61598.141	644766.740	615594.680	78.125	1545.396	242346.130	154.688
3	11:36:32	3609.831	3103.462	62643.296	646593.460	621635.510	59.375	1729.792	242813.340	145.313
x		3505.639	3142.013	62168.318	646847.390	620546.900	67.188	1663.639	242550.070	139.584
σ		169.753	152.178	529.041	2218.547	4507.601	9.758	102.642	239.188	18.641
%RSD		4.842	4.843	0.851	0.343	0.726	14.523	6.170	0.099	13.355

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	11:34:15	47637.106	2020.455	16412.548	13442.259	1293.809	169460.100	3087.834	84.375	159.376
2	11:35:23	47187.179	2097.029	15764.944	12843.271	1354.752	168911.470	3194.107	73.438	178.126
3	11:36:32	45376.640	2009.516	15143.960	12674.370	1476.639	168038.770	3106.588	84.375	167.188
x		46733.641	2042.334	15773.817	12986.633	1375.066	168803.440	3129.510	80.729	168.230
σ		1196.536	47.682	634.340	403.519	93.093	716.796	56.724	6.315	9.418
%RSD		2.560	2.335	4.021	3.107	6.770	0.425	1.813	7.822	5.599

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	11:34:15	368.755	101.563	243.752	1089.104	295.316	295.316	1372.983	75.521	76.042
2	11:35:23	353.129	120.313	182.814	1019.828	371.880	371.880	1432.884	72.917	67.188
3	11:36:32	382.818	115.625	203.126	1069.832	348.442	348.442	1373.504	76.563	63.021
x		368.234	112.500	209.897	1059.588	338.546	338.546	1393.123	75.000	68.750
σ		14.851	9.758	31.028	35.756	39.230	39.230	34.435	1.878	6.650
%RSD		4.033	8.674	14.783	3.375	11.588	11.588	2.472	2.504	9.672

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	11:34:15	232.814	325.004	384.380	181.251	531.260	12.500	641661.180	343.754	64.063
2	11:35:23	182.814	246.877	281.253	159.376	367.192	3.125	639771.380	312.503	48.438
3	11:36:32	154.688	181.251	185.939	139.063	321.879	7.813	639673.380	296.878	62.500
x		190.105	251.044	283.857	159.897	406.777	7.813	640368.650	317.712	58.333
σ		39.570	71.967	99.246	21.099	110.161	4.688	1120.439	23.868	8.606
%RSD		20.815	28.667	34.963	13.195	27.081	60.000	0.175	7.513	14.752

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	11:34:15	0.000	0.000	78.125	12.500	1037.538	2826.842	34.375	46.875	1475078.800
2	11:35:23	1.563	1.563	28.125	6.250	871.902	2156.413	17.188	32.813	1475975.700
3	11:36:32	3.125	3.125	78.125	9.375	715.643	1501.641	37.500	32.813	1480927.500
x		1.563	1.563	61.458	9.375	875.027	2161.632	29.688	37.500	1477327.300
σ		1.563	1.563	28.868	3.125	160.970	662.616	10.938	8.119	3149.928
%RSD		100.000	100.000	46.971	33.333	18.396	30.653	36.842	21.651	0.213

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	11:34:15	1526899.200	318.754	785.959	206.251	154.688	362.505	1288714.100	470.320
2	11:35:23	1530469.900	256.252	642.202	110.938	125.001	323.441	1287923.900	265.627
3	11:36:32	1544884.300	270.315	692.204	148.438	140.626	310.941	1289966.800	226.564
x		1534084.500	281.774	706.788	155.209	140.105	332.296	1288868.300	320.837
σ		9521.780	32.788	72.980	48.016	14.851	26.898	1030.127	130.921
%RSD		0.621	11.636	10.326	30.936	10.600	8.095	0.080	40.806

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	14:05:43	24344.162	39696.222	6901.667	718.768	48561889.000	34372011.000	4879542.800	6017085.000	9223333.700
2	14:06:52	25123.635	39306.605	6912.609	739.082	48554063.000	34326956.000	4859497.300	5949080.000	9146465.200
3	14:08:00	24644.677	40270.221	7025.164	718.768	49271679.000	34696750.000	4909850.900	6055034.300	9270393.300
x		24704.158	39757.683	6946.480	725.539	48795877.000	34465239.000	4882963.700	6007066.400	9213397.400
σ		393.126	484.739	68.362	11.728	412075.340	201756.040	25350.538	53682.923	62558.699
%RSD		1.591	1.219	0.984	1.616	0.844	0.585	0.519	0.894	0.679

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	14:05:43	99706.111	557150.520	120184.680	672892.170	33251463.000	156929.100	2754926.400	246982.340	81621.571
2	14:06:52	98774.674	553190.050	120047.600	677977.470	33366202.000	156696.890	2738149.000	252341.980	81173.718
3	14:08:00	100348.080	564635.990	121027.690	677289.720	33579879.000	158128.150	2774741.500	249537.100	83480.705
x		99609.622	558325.520	120419.990	676053.120	33399181.000	157251.380	2755938.900	249620.470	82091.998
σ		791.130	5812.732	530.729	2758.975	166673.510	768.133	18317.273	2680.793	1223.325
%RSD		0.794	1.041	0.441	0.408	0.499	0.488	0.665	1.074	1.490

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	14:05:43	1251130.200	1151428.400	143537.820	4572670.200	3617265.100	76432873.000	1893608.400	1409549.400	303132.360
2	14:06:52	1229653.700	1141162.700	142575.120	4500630.800	3591134.200	75492371.000	1871156.100	1403228.000	300919.110
3	14:08:00	1256943.100	1155181.200	144279.610	4627642.300	3675283.900	76824252.000	1904770.500	1435923.300	305036.310
x		1245909.000	1149257.400	143464.180	4566981.100	3627894.400	76249832.000	1889845.000	1416233.500	303029.260
σ		14374.438	7257.029	854.625	63696.599	43070.034	684546.920	17120.318	17342.288	2060.535
%RSD		1.154	0.631	0.596	1.395	1.187	0.898	0.906	1.225	0.680

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	14:05:43	1510634.700	742518.850	606472.940	261113.660	14716.952	14716.952	48796.216	19720.373	67.188
2	14:06:52	1497763.900	742163.590	605223.140	260986.360	14779.516	14779.516	48812.940	19914.913	69.271
3	14:08:00	1538845.800	755669.740	613514.240	264679.430	15020.392	15020.392	49570.751	20022.876	72.396
x		1515748.100	746784.060	608403.440	262259.820	14838.953	14838.953	49059.969	19886.054	69.618
σ		21012.887	7697.273	4469.978	2096.410	160.214	160.214	442.429	153.303	2.621
%RSD		1.386	1.031	0.735	0.799	1.080	1.080	0.902	0.771	3.766

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	14:05:43	261390.000	457291.240	500494.510	291465.170	757533.410	12.500	632004.030	31454.904	1467629.500
2	14:06:52	257256.600	451387.550	498836.440	287731.230	757391.810	14.063	652509.810	31190.262	1446136.800
3	14:08:00	265176.010	467094.630	501945.670	292358.140	763509.600	10.938	640720.330	31346.854	1472165.700
x		261274.200	458591.140	500425.540	290518.180	759478.270	12.500	641744.730	31330.673	1461977.300
σ		3960.974	7933.812	1555.766	2454.516	3491.952	1.563	10291.200	133.061	13904.550
%RSD		1.516	1.730	0.311	0.845	0.460	12.500	1.604	0.425	0.951

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	14:05:43	23373.794	23373.794	1408382.900	354833.940	961266.620	1479722.700	1316918.900	2326730.600	1478303.600
2	14:06:52	22910.544	22910.544	1396618.700	354457.580	955788.640	1471972.200	1302458.800	2306274.200	1500190.400
3	14:08:00	23430.136	23430.136	1436659.200	356712.680	970362.680	1505318.100	1317956.800	2354123.100	1478697.700
x		23238.158	23238.158	1413887.000	355334.740	962472.650	1485671.000	1312444.800	2329042.600	1485730.600
σ		285.117	285.117	20579.894	1208.084	7361.490	17450.646	8663.724	24008.070	12524.114
%RSD		1.227	1.227	1.456	0.340	0.765	1.175	0.660	1.031	0.843

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	14:05:43	1539491.400	2108626.500	5129370.100	1669519.600	1559760.800	3777624.900	1229706.300	8194597.800
2	14:06:52	1561509.100	2083618.500	5111823.200	1665152.900	1548676.300	3718999.800	1267367.400	8125504.300
3	14:08:00	1539725.600	2120464.300	5162533.800	1686431.300	1572650.000	3759788.400	1252635.100	8275384.000
x		1546908.700	2104236.400	5134575.700	1673701.200	1560362.400	3752137.700	1249903.000	8198495.400
σ		12644.848	18811.086	25752.937	11238.652	11998.200	30052.059	18978.613	75015.804
%RSD		0.817	0.894	0.502	0.671	0.769	0.801	1.518	0.915

Reviewed By:[illegible]
On:11/21/2011
02:36:57 PM
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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	14:13:39	24733.893	35.938	107.813	543.760	592595.890	3276.938	401.568	473.445	38378.044
2	14:14:47	24348.858	33.333	101.563	584.387	594274.440	4203.743	521.885	601.575	38989.070
3	14:15:55	24204.863	39.063	92.188	557.823	598249.360	7120.524	940.656	1153.171	39388.601
x		24429.205	36.111	100.521	561.990	595039.900	4867.069	621.370	742.731	38918.572
σ		273.514	2.869	7.864	20.631	2903.423	2005.814	282.979	361.179	508.954
%RSD		1.120	7.944	7.824	3.671	0.488	41.212	45.541	48.629	1.308

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	14:13:39	3206.610	2911.234	63423.289	665985.810	623800.310	68.750	6295.137	246042.900	107.813
2	14:14:47	3028.446	3072.205	63288.317	667566.460	624465.970	59.375	6193.530	245669.360	114.063
3	14:15:55	3022.195	3184.730	63316.567	664447.880	622708.900	85.938	6070.039	240693.540	131.251
x		3085.750	3056.057	63342.724	666000.050	623658.390	71.354	6186.235	244135.270	117.709
σ		104.714	137.461	71.186	1559.341	887.091	13.471	112.726	2986.467	12.137
%RSD		3.393	4.498	0.112	0.234	0.142	18.880	1.822	1.223	10.311

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	14:13:39	20142.315	1979.825	6823.504	12890.188	1346.939	185870.100	3505.117	112.500	162.501
2	14:14:47	19334.951	1959.509	6750.032	12923.030	1492.265	185870.100	3526.998	139.063	167.188
3	14:15:55	19344.338	1979.825	6449.893	13642.448	1670.410	191970.290	3961.487	256.252	178.126
x		19607.201	1973.053	6674.476	13151.889	1503.205	187903.500	3664.534	169.272	169.272
σ		463.446	11.729	197.934	425.154	162.013	3521.947	257.401	76.489	8.018
%RSD		2.364	0.594	2.966	3.233	10.778	1.874	7.024	45.187	4.737

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	14:13:39	485.946	125.001	245.315	439.069	156.251	156.251	1427.676	66.146	78.646
2	14:14:47	442.194	195.314	279.690	454.695	146.876	146.876	1405.798	52.604	67.708
3	14:15:55	573.449	248.440	290.628	425.006	126.563	126.563	1353.710	69.792	81.771
x		500.530	189.585	271.878	439.590	143.230	143.230	1395.728	62.847	76.042
σ		66.832	61.919	23.645	14.851	15.176	15.176	37.997	9.056	7.384
%RSD		13.352	32.660	8.697	3.378	10.596	10.596	2.722	14.410	9.711

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	14:13:39	237.502	382.818	339.067	185.939	514.072	6.250	646470.910	378.130	76.563
2	14:14:47	150.001	220.314	270.315	167.188	390.630	6.250	647057.530	334.379	95.313
3	14:15:55	145.313	206.251	229.689	129.688	350.004	9.375	645482.370	370.317	229.689
x		177.605	269.794	279.690	160.938	418.235	7.292	646336.930	360.942	133.855
σ		51.925	98.133	55.288	28.641	85.446	1.804	796.081	23.334	83.523
%RSD		29.236	36.373	19.768	17.797	20.430	24.744	0.123	6.465	62.398

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	14:13:39	3.125	3.125	62.500	21.875	1220.365	2695.567	28.125	50.000	1467743.500
2	14:14:47	6.250	6.250	100.000	23.438	921.905	1915.753	57.813	93.750	1480652.700
3	14:15:55	4.688	4.688	214.064	59.375	870.339	1687.600	164.063	257.815	1450252.400
x		4.688	4.688	125.522	34.896	1004.203	2099.640	83.334	133.855	1466216.200
σ		1.563	1.563	78.939	21.214	188.969	528.545	71.472	109.558	15257.562
%RSD		33.333	33.333	62.889	60.792	18.818	25.173	85.767	81.848	1.041

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	14:13:39	1527003.300	150.001	443.757	164.063	168.751	364.067	1268255.300	400.006
2	14:14:47	1538946.400	257.815	535.948	231.252	178.126	532.822	1284226.300	490.633
3	14:15:55	1507922.500	400.006	957.845	346.879	306.253	798.460	1254303.700	1084.416
x		1524624.100	269.274	645.850	247.398	217.710	565.116	1268928.400	658.352
σ		15648.206	125.396	274.099	92.471	76.824	218.990	14972.654	371.755
%RSD		1.026	46.568	42.440	37.377	35.287	38.751	1.180	56.467

Reviewed By:jaswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

PB59293BL PBW01 11/19/2011 02:20:27 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	14:21:35	25075.112	34.375	53.125	603.138	583345.340	2975.310	417.194	403.131	38008.307
2	14:22:43	23693.069	30.729	56.250	568.761	587838.060	4058.389	514.072	643.765	38204.141
3	14:23:51	24356.683	32.813	46.875	531.260	586892.540	4606.993	564.074	685.954	38305.976
x		24374.955	32.639	52.083	567.720	586025.310	3880.231	498.446	577.616	38172.808
σ		691.203	1.829	4.774	35.950	2368.581	830.303	74.676	152.574	151.288
%RSD		2.836	5.604	9.165	6.332	0.404	21.398	14.982	26.414	0.396
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	14:21:35	3181.604	2889.355	62883.410	660577.570	616385.520	59.375	5016.506	244613.980	78.125
2	14:22:43	3225.364	2912.797	62743.735	663855.650	617419.390	73.438	5152.492	241400.640	142.188
3	14:23:51	3106.588	3051.889	62847.314	667445.370	616507.820	60.938	4838.319	239255.630	123.438
x		3171.185	2951.347	62824.820	663959.530	616770.910	64.583	5002.439	241756.750	114.584
σ		60.070	87.857	72.503	3435.080	564.917	7.708	157.558	2696.870	32.937
%RSD		1.894	2.977	0.115	0.517	0.092	11.934	3.150	1.116	28.744
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	14:21:35	17362.107	1882.937	5827.751	12305.297	1310.998	177981.530	3411.345	81.250	132.813
2	14:22:43	16678.480	1940.757	5737.089	12830.759	1501.641	181435.510	3398.842	110.938	134.376
3	14:23:51	16783.290	2045.459	5658.933	12883.932	1590.714	184200.250	3572.322	153.126	178.126
x		16941.292	1956.384	5741.258	12673.330	1467.784	181205.760	3460.836	115.105	148.438
σ		368.184	82.380	84.486	319.832	142.899	3115.716	96.751	36.119	25.722
%RSD		2.173	4.211	1.472	2.524	9.736	1.719	2.796	31.379	17.329
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	14:21:35	437.507	154.688	223.439	379.172	131.251	131.251	1421.425	68.750	67.708
2	14:22:43	459.382	171.876	253.127	384.901	117.188	117.188	1409.445	73.959	64.583
3	14:23:51	523.447	168.751	229.689	379.172	117.188	117.188	1403.715	69.792	71.875
x		473.445	165.105	235.419	381.081	121.876	121.876	1411.528	70.834	68.056
σ		44.663	9.156	15.651	3.308	8.119	8.119	9.037	2.756	3.658
%RSD		9.434	5.545	6.648	0.868	6.662	6.662	0.640	3.891	5.375
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	14:21:35	65.625	79.688	98.438	76.563	128.126	3.125	651641.820	337.504	26.563
2	14:22:43	96.875	95.313	100.000	79.688	150.001	4.688	637824.660	325.004	75.000
3	14:23:51	96.875	70.313	109.375	71.875	129.688	7.813	636452.970	364.067	98.438
x		86.459	81.771	102.605	76.042	135.938	5.208	641973.150	342.192	66.667
σ		18.042	12.630	5.916	3.932	12.204	2.387	8401.354	19.949	36.655
%RSD		20.868	15.445	5.765	5.171	8.977	45.826	1.309	5.830	54.983
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	14:21:35	1.563	1.563	29.688	10.938	407.818	696.892	14.063	23.438	1475153.100
2	14:22:43	3.125	3.125	65.625	21.875	395.318	590.637	50.000	82.813	1433536.400
3	14:23:51	3.125	3.125	85.938	18.750	428.131	601.575	67.188	104.688	1441198.100
x		2.604	2.604	60.417	17.188	410.423	629.701	43.750	70.313	1449962.600
σ		0.902	0.902	28.485	5.634	16.561	58.445	27.108	42.043	22149.465
%RSD		34.641	34.641	47.147	32.778	4.035	9.281	61.962	59.794	1.528
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	14:21:35	1524953.800	137.501	262.502	117.188	137.501	276.565	1286224.300	85.938	
2	14:22:43	1512968.000	206.251	476.570	215.627	200.001	464.070	1261403.900	354.692	
3	14:23:51	1480398.600	218.752	473.445	264.065	190.626	432.819	1254943.900	376.567	
x		1506106.800	187.501	404.173	198.960	176.043	391.151	1267524.100	272.399	
σ		23056.468	43.751	122.700	74.843	33.706	100.457	16513.851	161.850	
%RSD		1.531	23.333	30.358	37.617	19.146	25.682	1.303	59.417	

Reviewed By:jeswal
On:11/21/2011
12:38:57 PM
Inst Id :P6

C4391-18 MB9T99 11/19/2011 02:36:20 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	14:37:28	24380.161	31.771	45.313	835.962	713271.190	24341.032	3416.033	4152.166	40698.515
2	14:38:36	24525.722	32.292	68.750	881.277	712842.770	24675.981	3348.830	4113.092	40964.900
3	14:39:44	24398.943	28.125	45.313	917.217	709867.140	24089.043	3356.644	4033.382	40753.359
x		24434.942	30.729	53.125	878.152	711993.700	24368.685	3373.836	4099.547	40805.592
σ		79.177	2.270	13.532	40.718	1854.071	294.445	36.752	60.539	140.664
%RSD		0.324	7.388	25.471	4.637	0.260	1.208	1.089	1.477	0.345

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	14:37:28	7739.596	3730.174	62271.363	652594.820	709071.220	1337.563	25341.206	242053.740	159.376
2	14:38:36	7530.109	3633.275	62357.675	649025.080	707855.280	1300.059	24868.502	241084.430	134.376
3	14:39:44	7414.424	3652.029	61924.547	657110.540	706979.080	1373.504	24995.285	243986.200	159.376
x		7561.376	3671.826	62184.529	652910.150	707963.530	1337.042	25068.331	242374.790	151.042
σ		164.826	51.394	229.249	4051.939	1050.661	36.725	244.672	1477.285	14.434
%RSD		2.180	1.400	0.369	0.621	0.148	2.747	0.976	0.610	9.556

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	14:37:28	14085.065	4536.658	5130.609	18250.713	3602.017	240351.920	5111.852	148.438	407.818
2	14:38:36	14114.782	4345.974	5105.600	18454.099	3731.737	239352.540	4961.799	115.625	414.068
3	14:39:44	13819.181	4377.233	5111.852	18802.991	3662.970	238539.100	5002.438	132.813	481.258
x		14006.343	4419.955	5116.020	18502.601	3665.575	239414.520	5025.363	132.292	434.382
σ		162.767	102.269	13.015	279.315	64.900	907.998	77.609	16.413	40.716
%RSD		1.162	2.314	0.254	1.510	1.771	0.379	1.544	12.406	9.373

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	14:37:28	1412.570	601.575	3391.027	335.421	104.688	104.688	1420.904	55.729	69.792
2	14:38:36	1431.322	593.762	3350.393	326.566	98.438	98.438	1413.612	63.542	52.604
3	14:39:44	1321.936	565.636	3406.656	298.441	132.813	132.813	1366.732	68.229	70.834
x		1388.609	586.991	3382.692	320.142	111.980	111.980	1400.416	62.500	64.410
σ		58.497	18.902	29.043	19.309	18.311	18.311	29.398	6.315	10.237
%RSD		4.213	3.220	0.859	6.031	16.352	16.352	2.099	10.104	15.894

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	14:37:28	118.750	110.938	106.250	81.250	157.813	3.125	646851.640	304.691	21.875
2	14:38:36	104.688	89.063	96.875	70.313	153.126	1.563	644587.020	335.941	32.813
3	14:39:44	92.188	85.938	104.688	56.250	112.500	1.563	649856.960	325.004	18.750
x		105.209	95.313	102.605	69.271	141.147	2.083	647098.540	321.879	24.479
σ		13.289	13.622	5.023	12.533	24.919	0.902	2643.634	15.858	7.384
%RSD		12.631	14.292	4.895	18.092	17.655	43.301	0.409	4.927	30.165

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	14:37:28	7.813	7.813	20.313	32.813	1060.977	448.445	512.509	860.963	1461599.500
2	14:38:36	3.125	3.125	32.813	17.188	1026.599	364.067	434.382	823.461	1458395.600
3	14:39:44	1.563	1.563	12.500	31.250	942.219	332.816	493.759	765.646	1467973.200
x		4.167	4.167	21.875	27.083	1009.932	381.776	480.216	816.690	1462656.100
σ		3.253	3.253	10.246	8.606	61.108	59.814	40.786	48.018	4875.453
%RSD		78.062	78.062	46.839	31.774	6.051	15.667	8.493	5.880	0.333

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	14:37:28	1500785.800	84.375	246.877	2075.151	1803.239	4320.966	1263138.200	103.125
2	14:38:36	1518410.400	53.125	207.814	1984.513	1793.863	4239.691	1273515.700	93.750
3	14:39:44	1525744.400	76.563	176.564	1951.696	1751.670	4205.306	1270457.400	67.188
x		1514980.200	71.354	210.418	2003.786	1782.924	4255.321	1269037.100	88.021
σ		12828.011	16.263	35.229	63.944	27.470	59.393	5332.550	18.641
%RSD		0.847	22.792	16.742	3.191	1.541	1.396	0.420	21.178

Reviewed By:jaswal
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PB59293BS LCS01 11/19/2011 02:44:16 PM

User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	14:45:24	24433.377	621.368	559.386	717.206	4214534.200	2797344.500	383315.110	475207.270	178092.280
2	14:46:32	24832.502	654.702	545.323	710.955	4266765.000	2837222.500	387508.820	476605.850	179919.650
3	14:47:40	24946.763	646.369	556.261	731.269	4280171.400	2817902.400	387776.880	476794.820	180569.960
x		24737.547	640.813	553.657	719.810	4253823.500	2817489.800	386200.270	476202.650	179527.300
σ		269.543	17.348	7.384	10.404	34679.553	19942.180	2502.213	867.181	1284.597
%RSD		1.090	2.707	1.334	1.445	0.815	0.708	0.648	0.182	0.716
Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	14:45:24	10213.024	3064.391	61587.156	666404.690	5574196.400	11884.629	199910.910	245419.810	6095.050
2	14:46:32	10557.024	3094.085	62550.704	668430.490	5599653.900	11956.564	202644.330	246073.100	5954.366
3	14:47:40	10628.953	3180.041	62607.201	671687.420	5620338.200	12009.734	203173.640	247003.000	6318.584
x		10466.334	3112.839	62248.354	668840.860	5598062.800	11950.309	201909.630	246165.300	6122.667
σ		222.301	60.063	573.310	2665.167	23111.990	62.786	1751.057	795.611	183.673
%RSD		2.124	1.930	0.921	0.398	0.413	0.525	0.867	0.323	3.000
Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	14:45:24	104458.640	35948.298	8613.533	290680.670	29496.044	4921002.200	117317.250	21641.380	5014.943
2	14:46:32	105113.420	35849.613	8550.996	292600.530	29812.325	4976959.600	118692.600	22157.796	5130.609
3	14:47:40	105489.610	36202.063	8626.041	294764.650	30029.967	4991496.400	118944.680	22354.977	5024.321
x		105020.560	35999.991	8596.857	292681.950	29779.445	4963152.700	118318.180	22051.384	5056.624
σ		521.721	181.822	40.206	2043.206	268.476	37220.054	875.947	368.508	64.244
%RSD		0.497	0.505	0.468	0.698	0.902	0.750	0.740	1.671	1.270
Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	14:45:24	23095.216	11399.859	9173.257	732.831	1320.373	1320.373	5004.522	1558.939	73.438
2	14:46:32	23688.374	11575.000	9306.155	702.621	1179.736	1179.736	5026.926	1600.611	80.209
3	14:47:40	23131.212	11564.054	9379.641	735.956	1262.556	1262.556	5150.929	1573.524	67.708
x		23304.934	11512.971	9286.351	723.803	1254.222	1254.222	5060.792	1577.691	73.785
σ		332.556	98.110	104.608	18.410	70.688	70.688	78.860	21.146	6.257
%RSD		1.427	0.852	1.126	2.544	5.636	5.636	1.558	1.340	8.480
Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	14:45:24	19757.403	34251.950	37532.051	21738.402	56640.187	0.000	648765.230	431.257	21006.058
2	14:46:32	20156.397	35227.756	37984.808	21898.020	57499.861	6.250	655835.140	453.132	20991.974
3	14:47:40	19873.188	34538.577	38080.374	22126.497	57471.622	1.563	662394.820	503.134	21043.613
x		19928.996	34672.761	37865.744	21920.973	57203.890	2.604	655665.060	462.508	21013.882
σ		205.268	501.551	292.911	195.063	488.385	3.253	6816.382	36.844	26.693
%RSD		1.030	1.447	0.774	0.890	0.854	124.900	1.040	7.966	0.127
Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	14:45:24	106.250	106.250	20134.491	1498.516	72585.498	43194.892	39493.578	70839.265	1464301.700
2	14:46:32	87.500	87.500	20035.915	1440.698	73056.641	43292.060	40722.020	70655.546	1473527.200
3	14:47:40	106.250	106.250	20414.576	1450.074	73307.923	43969.123	40679.712	71652.682	1484788.100
x		100.000	100.000	20194.994	1463.096	72983.354	43485.359	40298.437	71049.164	1474205.700
σ		10.825	10.825	196.447	31.031	366.746	421.760	697.349	530.672	10260.068
%RSD		10.825	10.825	0.973	2.121	0.503	0.970	1.730	0.747	0.696
Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U	
1	14:45:24	1528671.400	7809.947	19383.454	26656.096	24910.763	59324.486	1281118.100	129674.950	
2	14:46:32	1535016.400	8030.381	19762.097	26987.968	25421.035	59859.523	1279310.100	128623.320	
3	14:47:40	1551036.300	7999.114	19275.495	27078.765	24891.980	58980.880	1287070.700	128766.790	
x		1538241.400	7946.481	19473.682	26907.610	25074.593	59388.297	1282499.600	129021.690	
σ		11525.941	119.271	255.541	222.498	300.175	442.784	4060.565	570.273	
%RSD		0.749	1.501	1.312	0.827	1.197	0.746	0.317	0.442	

Reviewed By jaswal
On:11/21/2011
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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	14:53:21	25546.258	39597.511	6676.560	725.018	48453074.000	34101455.000	4846758.300	5917393.800	9083753.900
2	14:54:29	24815.284	40390.873	7018.911	776.584	49205854.000	34878499.000	4956579.200	6095142.400	9358847.100
3	14:55:37	25442.949	40655.685	7020.475	721.893	49474112.000	34895666.000	4968236.200	6060004.200	9350795.400
x		25268.164	40214.690	6905.315	741.165	49044347.000	34625207.000	4923857.900	6024180.100	9264465.500
σ		395.592	550.648	198.110	30.713	529332.510	453663.780	67024.155	94133.765	156552.580
%RSD		1.566	1.369	2.869	4.144	1.079	1.310	1.361	1.563	1.690

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	14:53:21	99208.917	560887.900	120444.670	686328.000	33142304.000	154307.020	2716592.500	255390.760	81258.573
2	14:54:29	100804.400	567691.060	121316.060	684175.210	33945735.000	158218.200	2779774.700	250454.510	82500.033
3	14:55:37	101383.480	572180.580	121757.290	679035.350	34027941.000	157407.760	2789892.000	251240.000	83284.251
x		100465.600	566919.850	121172.680	683179.520	33705327.000	156644.330	2762086.400	252361.750	82347.619
σ		1126.175	5685.701	667.954	3746.894	489321.300	2064.331	39722.287	2652.431	1021.404
%RSD		1.121	1.003	0.551	0.548	1.452	1.318	1.438	1.051	1.240

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	14:53:21	1230350.600	1135036.700	139427.090	4532229.300	3598252.100	76194654.000	1875138.900	1411331.900	303405.250
2	14:54:29	1252543.200	1173561.100	143106.960	4635853.900	3682401.800	78135322.000	1917643.500	1445652.200	308493.750
3	14:55:37	1260482.400	1170978.800	142668.230	4625602.800	3702871.000	77856435.000	1921389.400	1446064.300	311126.490
x		1247792.100	1159858.900	141734.100	4597895.400	3661175.000	77395470.000	1904723.900	1434349.500	307675.160
σ		15617.637	21535.385	2009.931	57098.948	55445.562	1049244.700	25689.751	19934.881	3925.171
%RSD		1.252	1.857	1.418	1.242	1.514	1.356	1.349	1.390	1.276

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	14:53:21	1510458.100	742449.770	605306.240	262086.440	14842.081	14842.081	49180.343	20173.087	78.125
2	14:54:29	1549838.000	765759.750	619379.690	267818.900	15076.702	15076.702	50113.786	20287.312	67.708
3	14:55:37	1547415.600	765277.070	619118.740	268230.690	15076.702	15076.702	50183.823	20427.615	70.313
x		1535903.900	757828.870	614601.560	266045.340	14998.495	14998.495	49825.984	20296.005	72.049
σ		22069.998	13320.871	8051.038	3434.687	135.458	135.458	560.237	127.486	5.421
%RSD		1.437	1.758	1.310	1.291	0.903	0.903	1.124	0.628	7.524

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	14:53:21	260856.950	455305.870	496678.800	288435.860	760014.820	3.125	661009.370	30803.487	1452849.000
2	14:54:29	265925.690	466615.280	511670.780	297910.150	777307.460	7.813	648794.650	31785.321	1480597.300
3	14:55:37	269052.170	464983.660	507523.580	291648.540	775307.760	14.063	649320.890	31570.784	1469329.100
x		265278.270	462301.600	505291.060	292664.850	770876.680	8.333	653041.640	31386.531	1467591.800
σ		4135.791	6113.160	7741.318	4818.217	9459.636	5.487	6905.272	516.199	13955.518
%RSD		1.559	1.322	1.532	1.646	1.227	65.848	1.057	1.645	0.951

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	14:53:21	23646.116	23646.116	1414009.500	355014.920	957764.620	1472829.100	1309732.400	2309530.200	1532899.900
2	14:54:29	23920.009	23920.009	1433772.500	362916.020	979616.450	1508694.900	1327510.100	2368520.000	1503297.600
3	14:55:37	23550.646	23550.646	1428359.000	361193.500	978887.700	1523606.800	1332026.300	2364181.800	1525302.300
x		23705.590	23705.590	1425380.300	359708.150	972089.590	1501710.300	1323089.600	2347410.700	1520500.000
σ		191.729	191.729	10212.678	4154.704	12411.140	26099.449	11786.012	32877.067	15374.361
%RSD		0.809	0.809	0.716	1.155	1.277	1.738	0.891	1.401	1.011

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	14:53:21	1589507.500	2097381.200	5075579.100	1650121.400	1557960.600	3756617.900	1290446.400	8185296.800
2	14:54:29	1543556.300	2142446.300	5196867.200	1701120.000	1589777.400	3832923.900	1262204.600	8425966.000
3	14:55:37	1576402.000	2125995.200	5254577.000	1709213.800	1580424.700	3815573.700	1262940.600	8360308.200
x		1569821.900	2121940.900	5175674.500	1686818.400	1576054.200	3801705.200	1271863.900	8323857.000
σ		23671.763	22804.488	91361.456	32037.149	16352.457	39998.804	16097.150	124406.340
%RSD		1.508	1.075	1.765	1.899	1.038	1.052	1.266	1.495

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User Pre-dilution: 1.00

Run	Time	6Li	9Be	10B	13C	23Na	24Mg	25Mg	26Mg	27Al
1	15:01:19	24849.719	48.438	115.625	614.076	596692.480	13221.741	1975.137	2243.926	40396.096
2	15:02:27	24665.024	61.979	104.688	575.012	606811.890	19042.370	2739.325	3172.227	42210.707
3	15:03:36	25118.939	50.000	98.438	600.013	598418.730	17407.474	2236.113	2940.928	41724.908
x		24877.894	53.472	106.250	596.367	600641.030	16557.195	2316.858	2785.694	41443.903
σ		228.265	7.409	8.700	19.786	5413.369	3002.027	388.440	483.228	939.375
%RSD		0.918	13.855	8.188	3.318	0.901	18.131	16.766	17.347	2.267

Run	Time	28Si	31P	34S	37Cl	39K	43Ca	44Ca	45Sc	47Ti
1	15:01:19	3159.724	3231.615	63482.928	669530.230	626802.530	106.250	4767.983	243679.460	142.188
2	15:02:27	3137.845	3114.402	63636.735	671556.470	631932.210	151.563	5180.627	244954.110	150.001
3	15:03:36	3269.124	3161.287	62938.338	665612.770	627274.130	123.438	5049.330	246437.100	153.126
x		3188.898	3169.102	63352.667	668899.820	628669.620	127.084	4999.313	245023.560	148.438
σ		70.334	58.996	366.968	3021.583	2835.302	22.875	210.820	1380.131	5.634
%RSD		2.206	1.862	0.579	0.452	0.451	18.000	4.217	0.563	3.795

Run	Time	51V	52Cr	53Cl O	54Fe	55Mn	56Fe	57Fe	59Co	60Ni
1	15:01:19	13920.842	2198.607	4625.749	13945.866	2434.582	207326.420	4227.188	446.882	257.815
2	15:02:27	13665.908	2459.587	4496.020	15072.009	3037.823	221388.190	4558.540	657.828	351.567
3	15:03:36	13503.254	2403.327	4778.924	14757.619	2764.330	214465.030	4474.138	606.263	265.627
x		13696.668	2353.840	4633.564	14591.831	2745.578	214393.210	4419.955	570.324	291.670
σ		210.486	137.348	141.614	581.088	302.057	7031.160	172.193	109.969	52.019
%RSD		1.537	5.835	3.056	3.982	11.002	3.280	3.896	19.282	17.835

Run	Time	63Cu	65Cu	66Zn	75As	77Se	77Ar Cl	78Se	82Se	83Kr
1	15:01:19	840.650	384.380	417.194	359.900	106.250	106.250	1413.091	80.209	78.646
2	15:02:27	1168.798	442.194	521.885	398.964	106.250	106.250	1424.029	77.084	68.229
3	15:03:36	1073.478	421.881	421.881	408.339	114.063	114.063	1356.835	85.417	66.667
x		1027.642	416.152	453.653	389.068	108.855	108.855	1397.985	80.903	71.181
σ		168.808	29.330	59.137	25.691	4.511	4.511	36.054	4.210	6.512
%RSD		16.427	7.048	13.036	6.603	4.144	4.144	2.579	5.204	9.149

Run	Time	94Mo	95Mo	96Mo	97Mo	98Mo	99Ru	103Rh	106Cd	107Ag
1	15:01:19	293.753	471.883	487.508	334.379	775.021	3.125	659074.540	298.441	554.698
2	15:02:27	257.815	428.131	548.448	289.065	701.580	3.125	654437.230	398.443	896.903
3	15:03:36	243.752	334.379	387.505	251.565	585.950	6.250	658928.990	351.567	706.267
x		265.107	411.464	474.487	291.670	687.517	4.167	657480.250	349.483	719.290
σ		25.786	70.251	81.258	41.468	95.317	1.804	2636.339	50.034	171.474
%RSD		9.727	17.073	17.125	14.218	13.864	43.301	0.401	14.316	23.839

Run	Time	108Mo O	108Cd	109Ag	111Cd	118Sn	121Sb	135Ba	137Ba	159Tb
1	15:01:19	9.375	9.375	656.265	115.625	1412.570	2995.626	425.006	775.021	1480345.000
2	15:02:27	20.313	20.313	820.336	159.376	1359.440	2523.660	581.262	1051.601	1474199.300
3	15:03:36	4.688	4.688	654.702	117.188	1175.048	2090.778	535.948	945.344	1479911.100
x		11.458	11.458	710.435	130.730	1315.686	2536.688	514.072	923.989	1478151.800
σ		8.018	8.018	95.181	24.821	124.659	452.565	80.392	139.521	3429.823
%RSD		69.976	69.976	13.398	18.986	9.475	17.841	15.638	15.100	0.232

Run	Time	165Ho	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi	238U
1	15:01:19	1530967.700	921.905	2345.505	695.329	656.265	1478.201	1272823.500	2536.163
2	15:02:27	1530102.200	1187.549	3037.823	953.157	875.027	2268.930	1281310.800	3770.810
3	15:03:36	1552382.400	1015.661	2625.241	862.526	801.585	1804.802	1286121.900	3206.610
x		1537817.400	1041.705	2669.523	837.004	777.626	1850.644	1280085.400	3171.194
σ		12621.036	134.724	348.277	130.795	111.332	397.353	6733.341	618.085
%RSD		0.821	12.933	13.046	15.627	14.317	21.471	0.526	19.491

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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 # LB57887

Review By jaswal Review On 11/22/2011 1:16:48 PM

STD. NAME	STD REF.#
ICAL Standard	MP9286,MP9232,MP9291,MP9290,MP9289,MP9288
ICV Standard	MP9301
CCV Standard	MP9292
ICSA Standard	MP9297,MP9298,MP9299,MP9300
CRI Standard	
LCS Standard	
Chk Standard	MP9294,MP9302

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	TUNE	TUNE	TUNE	11/17/11 16:12		OK
2	S0	S0	CAL1	11/17/11 16:58		OK
3	S1	S	CAL2	11/17/11 17:06	As fails	OK
4	S2	S	CAL3	11/17/11 17:14		OK
5	S3	S	CAL4	11/17/11 17:21		OK
6	S4	S	CAL5	11/17/11 17:29		OK
7	S5	S	CAL6	11/17/11 17:37		OK
8	ICV13	ICV13	ICV	11/17/11 18:13		OK
9	ICB13	ICB13	ICB	11/17/11 18:21		OK
10	ICSA13	ICSA13	ICSA	11/17/11 18:29		OK
11	ICSAB13	ICSAB13	ICSAB	11/17/11 18:36		OK
12	ICSA13	ICSA13	ICSA	11/17/11 18:44		OK
13	ICSAB13	ICSAB13	ICSAB	11/17/11 18:52		OK
14	CCV49	CCV49	CCV	11/17/11 19:00		OK
15	CCB49	CCB49	CCB	11/17/11 19:08		OK
16	PB59275BL	PBW01	MB	11/17/11 19:16		OK
17	PB59274BL	PBW01	MB	11/17/11 19:24		OK
18	PB59238BL	PBW01	MB	11/17/11 19:32		OK
19	CRDL1	CRI01	CRDL	11/17/11 19:46	Do not use	OK
20	PB59275BS	LCS01	LCS	11/17/11 20:15		OK
21	PB59274BS	LCS01	LCS	11/17/11 20:22		OK

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CRI Standard	
LCS Standard	
Chk Standard	MP9294,MP9302

22	PB59238BS	LCS01	LCS	11/17/11 20:30		OK
23	C4482-02	MB9TD0	SAM	11/17/11 20:38		OK
24	C4482-03	MB9TC2	SAM	11/17/11 20:46		OK
25	C4482-03L	MB9TC2L	SD	11/17/11 20:52		OK
26	CCV50	CCV50	CCV	11/17/11 20:58		OK
27	CCB50	CCB50	CCB	11/17/11 21:06		OK
28	C4482-04	MB9TC2D	DUP	11/17/11 21:14		OK
29	C4482-05	MB9TC2S	MS	11/17/11 21:22	Ba, Co, Ni and V result hgh	Dilution
30	C4482-05	MB9TC2S	MS	11/17/11 21:30	10X Dilution for Ba, Co, Ni & V	OK
31	C4482-06	MB9TF0	SAM	11/17/11 21:38		OK
32	C4482-07	MB9TF2	SAM	11/17/11 21:46		OK
33	C4482-08	MB9TG4	SAM	11/17/11 21:54		OK
34	C4482-09	MB9TC0	SAM	11/17/11 22:02		OK
35	C4481-01	MB9TA1	SAM	11/17/11 22:10		OK
36	C4481-03	MB9TC9	SAM	11/17/11 22:18		OK
37	C4481-03	MB9TC9	SAM	11/17/11 22:25	Do not use	OK
38	CCV51	CCV51	CCV	11/17/11 22:33		OK
39	CCB51	CCB51	CCB	11/17/11 22:41		OK
40	C4481-04	MB9TA2	SAM	11/17/11 22:49	Need rerun for Zn	OK
41	C4481-05	MB9TC1	SAM	11/17/11 22:57	Need rerun for Zn	OK
42	C4481-06	MB9TC1D	DUP	11/17/11 23:05	Need rerun for Zn	OK
43	C4481-05L	MB9TC1L	SD	11/17/11 23:13	Need rerun for Zn	OK

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CCV Standard	MP9292
ICSA Standard	MP9297,MP9298,MP9299,MP9300
CRI Standard	
LCS Standard	
Chk Standard	MP9294,MP9302

44	C4481-07	MB9TC1S	MS	11/17/11 23:21	Need rerun for Zn, Ba, Co, Ni and V result hgh	Dilution
45	C4481-07	MB9TC1S	MS	11/17/11 23:29	10X Dilution for Ba, Co, Ni & V	OK
46	C4481-08	MB9TE9	SAM	11/17/11 23:37	Need rerun for Zn	OK
47	C4481-09	MB9TF1	SAM	11/17/11 23:45	Need rerun for Zn	OK
48	C4481-10	MB9TG3	SAM	11/17/11 23:52	Need rerun for Zn	OK
49	C4481-11	MB9TB9	SAM	11/18/11	Need rerun for Zn	OK
50	CCV52	CCV52	CCV	11/18/11 00:08	Zn fails	OK
51	CCB52	CCB52	CCB	11/18/11 00:16		OK
52	C4481-12	MB9TA3	SAM	11/18/11 00:24	Need rerun for Zn	OK
53	C4481-13	MB9TA4	SAM	11/18/11 00:32	Need rerun for Zn	OK
54	C4481-14	MB9TA0	SAM	11/18/11 00:40	Need rerun for Zn	OK
55	C4481-02	MB9TA7	SAM	11/18/11 00:48	Need rerun for Zn. And Ba, Pb and Mn result a	Dilution
56	C4481-02	MB9TA7	SAM	11/18/11 00:56	25X Dilution for Ba, Pb and Mn	OK
57	C4481-02	MB9TA7	SAM	11/18/11 01:04	Do not use	OK
58	C4463-01	MH3BA0	SAM	11/18/11 01:12	Need rerun for Zn	OK
59	C4463-13	MH3B94	SAM	11/18/11 01:19	Need rerun for Zn	OK
60	C4463-01	MH3BA0	SAM	11/18/11 01:27	Do not use	OK
61	C4482-01	MB9TA8	SAM	11/18/11 01:35	Need rerun for Zn	OK
62	CCV53	CCV53	CCV	11/18/11 01:43		OK
63	CCB53	CCB53	CCB	11/18/11 01:51		OK
64	C4463-14	MH3B95	SAM	11/18/11 01:59		OK
65	C4463-15	MH3B96	SAM	11/18/11 02:07		OK

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CCV Standard	MP9292
ICSA Standard	MP9297,MP9298,MP9299,MP9300
CRI Standard	
LCS Standard	
Chk Standard	MP9294,MP9302

66	C4463-16	MH3B97	SAM	11/18/11 02:15		OK
67	C4463-18	MH3B99	SAM	11/18/11 02:23		OK
68	C4463-14	MH3B95	SAM	11/18/11 02:31	Do not use	OK
69	C4463-15	MH3B96	SAM	11/18/11 02:39	Do not use	OK
70	C4463-16	MH3B97	SAM	11/18/11 02:47	Do not use	OK
71	C4463-18	MH3B99	SAM	11/18/11 02:55	Do not use	OK
72	C4463-05	MH3B88	SAM	11/18/11 03:03	Ca,Fe,Mg,Mn and Na results are high	Dilution
73	C4463-05	MH3B88	SAM	11/18/11 03:11	25X Dilution for Ca,Fe,Mg,Mn and Na	OK
74	CCV54	CCV54	CCV	11/18/11 03:18		OK
75	CCB54	CCB54	CCB	11/18/11 03:26		OK
76	C4463-02	MH3B85	SAM	11/18/11 03:34	Mg,K and Na results are high	Dilution
77	C4463-03	MH3B86	SAM	11/18/11 03:42	Ca,Mg,Mn and Na result are high	Dilution
78	C4463-04	MH3B87	SAM	11/18/11 03:50	Na result is high	Dilution
79	C4463-12	MH3B93	SAM	11/18/11 03:58	Mn and Na results are high	Dilution
80	C4463-06	MH3B89	SAM	11/18/11 04:06	Mn and Na results are high	Dilution
81	C4463-02	MH3B85	SAM	11/18/11 04:14	25X Dilution for Mg,K and Na	OK
82	C4463-03	MH3B86	SAM	11/18/11 04:22	25X Dilution for Ca,Mg,Mn and Na	OK
83	C4463-04	MH3B87	SAM	11/18/11 04:30	25X Dilution for Na	OK
84	C4463-12	MH3B93	SAM	11/18/11 04:38	25X Dilution for Mn and Na	OK
85	C4463-06	MH3B89	SAM	11/18/11 04:46	25X Dilution for Mn and Na	OK
86	CCV55	CCV55	CCV	11/18/11 04:54		OK
87	CCB55	CCB55	CCB	11/18/11 05:02		OK

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Daily Analysis Runlog For Sequence/QCBatch ID # LB57887

Review By jaswal Review On 11/22/2011 1:16:48 PM

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ICV Standard	MP9301
CCV Standard	MP9292
ICSA Standard	MP9297,MP9298,MP9299,MP9300
CRI Standard	
LCS Standard	
Chk Standard	MP9294,MP9302

88	C4463-17	MH3B98	SAM	11/18/11 05:09	Mn and Na results are high	Dilution
89	C4463-07	MH3B90	SAM	11/18/11 05:17	Mn and Na results are high	Dilution
90	C4463-08	MH3B90D	DUP	11/18/11 05:25	Mn and Na results are high	Dilution
91	C4463-09	MH3B90S	MS	11/18/11 05:33	Mn and Na results are high	Dilution
92	C4463-07L	MH3B90L	SD	11/18/11 05:41	Mn and Na results are high	Dilution
93	C4463-17	MH3B98	SAM	11/18/11 05:49	25X Dilution for Mn and Na	OK
94	C4463-07	MH3B90	SAM	11/18/11 05:57	25X Dilution for Mn and Na	OK
95	C4463-08	MH3B90D	DUP	11/18/11 06:05	25X Dilution for Mn and Na	OK
96	C4463-09	MH3B90S	MS	11/18/11 06:13	25X Dilution for Mn and Na	OK
97	C4463-07L	MH3B90L	SD	11/18/11 06:21	25X Dilution for Mn and Na	OK
98	CCV56	CCV56	CCV	11/18/11 06:29		OK
99	CCB56	CCB56	CCB	11/18/11 06:37		OK
100	C4463-10	MH3B91	SAM	11/18/11 06:45	Mn and Na results are high	Dilution
101	C4463-11	MH3B92	SAM	11/18/11 06:53	Mn and Na results are high	Dilution
102	C4463-10	MH3B91	SAM	11/18/11 07:01	25X Dilution for Mn and Na	OK
103	C4463-11	MH3B92	SAM	11/18/11 07:09	25X Dilution for Mn and Na	OK
104	C4463-13	MH3B94	SAM	11/18/11 07:16	Do not use	OK
105	CCV57	CCV57	CCV	11/18/11 07:24		OK
106	CCB57	CCB57	CCB	11/18/11 07:32		OK

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284, Sheffield Street, Mountainside NJ 07092 (908) 789 - 8900

Prep Standard - Chemical Standard Summary

Project ID : C4463

Test :

Prepbatch ID :

Sequence ID/Qc Batch ID: LB57887

Standard ID :
MP9232,MP9159,MP9153,MP9286,MP9288,MP9287,MP9289,MP9290,MP9291,MP9292,MP9294,MP9293,MP9297,M
P9298,MP9299,MP9300,MP9301,MP9302,MP9153,MP9159,MP9232,MP9286,MP9287,MP9288,MP9289,MP9290,MP9
291,MP9292,MP9293,MP9294,MP9297,MP9298,MP9299,MP9300,MP9301,MP9302,

Chemical ID :
W1152,M2069,M2078,M1682,M1859,M1673,M1659,M1671,M1672,M1824,M1866,M1662,M1665,M1657,M1681,M1683
,M1825,M1656,M1655,M1679,M1660,M1675,M1669,M1676,M1670,M1677,M1674,M1974,M2094,M2080,M1971,M168
0,M1709,M1900,M2024,M1623,M1956,M1957,M1860,M1955,M2072,M1623,M1655,M1656,M1657,M1659,M1660,M16
62,M1665,M1669,M1670,M1671,M1672,M1673,M1674,M1675,M1676,M1677,M1679,M1680,M1681,M1682,M1683,M1
709,M1824,M1825,M1859,M1860,M1866,M1900,M1955,M1956,M1957,M1971,M1974,M2024,M2069,M2072,M2078,M
2080,M2094,W1152,

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP9153	11/04/2011	11/18/2011	jaswal

FROM 10.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(M2069) + 1970.00000ml of DI Water(W1152) + 20.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2078) = Final Quantity: 2000.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1715	CRQL-S1	MP9159	11/04/2011	11/18/2011	jaswal

FROM 0.02000ml of ARSENIC 125mL 1000ug/mL(M1673) + 0.04500ml of THALLIUM 125mL 1000ug/mL(M1676) + 0.05000ml of BERYLLIUM 125mL 1000ug/mL(M1671) + 0.05000ml of CADMIUM, 125mL 1000ug/mL(M1672) + 0.05000ml of COBALT 125mL 1000ug/mL(M1665) + 0.05000ml of LEAD 125mL 1000ug/mL(M1683) + 0.05000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.05000ml of NICKEL 125mL 1000ug/mL(M1655) + 0.05000ml of SILVER 125mL 1000ug/mL(M1675) + 0.05000ml of Thorium 1000 ug/ml(M1670) + 0.05000ml of Uranium 1000 ug/ml(M1677) + 0.10000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1682) + 0.10000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1859) + 0.10000ml of CHROMIUM(+3) 125mL 1000ug/mL(M1662) + 0.10000ml of COPPER 125mL 1000ug/mL(M1657) + 0.10000ml of ZINC 125mL 1000ug/mL(M1974) + 0.25000ml of CHEM-CLP-4/.25L(M1866) + 0.25000ml of SELENIUM 125mL 1000ug/mL(M1660) + 0.25000ml of VANADIUM 125mL 1000ug/mL(M1674) + 0.50000ml of BARIUM 125mL 1000ug/mL(M1659) + 1.00000ml of IRON 125mL 10,000ug/mL(M1681) + 2.50000ml of CALCIUM 125mL 10,000ug/mL(M1824) + 2.50000ml of MAGNESIUM 125mL 10,000ug/mL(M1825) + 2.50000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 2.50000ml of SODIUM 125mL 10,000ug/mL(M1669) + 236.73500ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9153) = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1735	S1 FOR (ICPMS)	MP9232	11/12/2011	11/18/2011	jaswal

FROM 0.50000ml of CRQL-S1(MP9159) + 99.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9153) = Final Quantity: 100.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP9286	11/16/2011	11/30/2011	jaswal

FROM 10.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(M2094) + 1970.00000ml of DI Water(W1152) + 20.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2080) = Final Quantity: 2000.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1125	SOL.C(100PPM) ISM01.2	MP9287	11/16/2011	11/30/2011	jaswal

FROM 2.50000ml of CHEM-CLP-4/.25L(M1866) + 22.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB) (MP9286) = Final Quantity: 25.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1426	S5 ICPMS ISM01.2	MP9288	11/16/2011	11/30/2011	jaswal

FROM 0.01000ml of STRONTIUM 1 X 125 ml(M1709) + 0.10000ml of COPPER 125mL 1000ug/mL(M1657) + 0.10000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.10000ml of Thorium 1000 ug/ml(M1670) + 0.10000ml of Uranium 1000 ug/ml(M1677) + 0.10000ml of ZINC 125mL 1000ug/mL(M1974) + 0.19000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1682) + 0.20000ml of Phosphorus, 125 ml, 10000 ug/ml(M1680) + 0.20000ml of SULFUR 125mL 10,000ug/mL(M1900) + 0.40000ml of BARIUM 125mL 1000ug/mL(M1659) + 0.49000ml of IRON 125mL 10,000ug/mL(M1681) + 0.49000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 0.99000ml of CALCIUM 125mL 10,000ug/mL(M1824) + 0.99000ml of MAGNESIUM 125mL 10,000ug/mL(M1825) + 0.99000ml of SODIUM 125mL 10,000ug/mL(M1669) + 5.00000ml of Calibration Standard Method 6020(M1971) + 1.00000ml of SOL.C(100PPM) ISM01.2(MP9287) + 88.55000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1427	S4 ICPMS ISM01.2	MP9289	11/16/2011	11/30/2011	jaswal

FROM 25.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) + 25.00000ml of S5 ICPMS ISM01.2(MP9288) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1428	S3 ICPMS ISM01.2	MP9290	11/16/2011	11/30/2011	jaswal

FROM 12.50000ml of S5 ICPMS ISM01.2(MP9288) + 37.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB) (MP9286) = Final Quantity: 50.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1429	S2 ICPMS ISM01.2	MP9291	11/16/2011	11/30/2011	jaswal

FROM 43.75000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) + 6.25000ml of S5 ICPMS ISM01.2(MP9288) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1430	CCV ICPMS ISM01.2	MP9292	11/16/2011	11/30/2011	jaswal

FROM 0.02500ml of STRONTIUM 1 X 125 ml(M1709) + 0.25000ml of COPPER 125mL 1000ug/mL(M1657) + 0.25000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.25000ml of Thorium 1000 ug/ml(M1670) + 0.25000ml of Uranium 1000 ug/ml(M1677) + 0.25000ml of ZINC 125mL 1000ug/mL(M1974) + 0.47500ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1682) + 0.50000ml of Phosphorus, 125 ml, 10000 ug/ml(M1680) + 0.50000ml of SULFUR 125mL 10,000ug/mL(M1900) + 1.00000ml of BARIUM 125mL 1000ug/mL(M1659) + 1.22500ml of IRON 125mL 10,000ug/mL(M1681) + 1.22500ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 12.50000ml of Calibration Standard Method 6020(M1971) + 2.47500ml of CALCIUM 125mL 10,000ug/mL(M1824) + 2.47500ml of MAGNESIUM 125mL 10,000ug/mL(M1825) + 2.47500ml of SODIUM 125mL 10,000ug/mL(M1669) + 2.50000ml of SOL.C(100PPM) ISM01.2(MP9287) + 471.37500ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 500.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1135	MG 10PPM ILM05.4 FOR TUNE	MP9293	11/16/2011	11/30/2011	jaswal

FROM 0.10000ml of MAGNESIUM 125mL 10,000ug/mL(M1623) + 99.90000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 100.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1172	TUNE SOL 100PPB ICPMS	MP9294	11/16/2011	11/30/2011	jaswal

FROM 1.00000ml of TUNE-A,(M2024) + 1.00000ml of MG 10PPM ILM05.4 FOR TUNE(MP9293) + 98.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1142	ICSA ICPMS	MP9297	11/16/2011	11/30/2011	jaswal

FROM 5.00000ml of ICSA (ICPMS) STOCK SOLN(M1956) + 45.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1143	ICSAB ICPMS	MP9298	11/16/2011	11/30/2011	jaswal

FROM 5.00000ml of ICSA (ICPMS) STOCK SOLN(M1956) + 5.00000ml of ICSB (ICPMS) STOCK SOLUTION(M1957) + 40.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 50.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1165	ICSAX10	MP9299	11/16/2011	11/30/2011	jaswal

FROM 45.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) + 5.00000ml of ICSA ICPMS(MP9297) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1166	ICSABX10	MP9300	11/16/2011	11/30/2011	jaswal

FROM 45.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) + 5.00000ml of ICSAB ICPMS(MP9298) = Final Quantity: 50.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1575	ICV ISM01.2 MS	MP9301	11/16/2011	11/30/2011	jaswal

FROM 0.02500ml of CHEM-QC-4, Second Source, 1000 ug/ml, B, Mo, Si, Sn, Ti(M1860) + 1.00000ml of ICV (ICP/ICPMS) STOCK SOLN (M1955) + 48.97500ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
857	ICPMS INT. STANDARD	MP9302	11/16/2011	11/30/2011	jaswal

FROM 2450.00000ml of DI Water(W1152) + 25.00000ml of 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y(M2072) + 25.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2080) = Final Quantity: 2500.000 ml

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Metals CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMG10-1 / MAGNESIUM 125mL 10,000ug/mL	D2-MG03086	12/01/2011	11/30/2010 / jaswal	11/12/2010 / jaswal	M1623

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGNI1-1 / NICKEL 125mL 1000ug/mL	C2-NI02062	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1655

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMN1-1 / MANGANESE, 125mL 1000ug/mL	D2-MN02079	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1656

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCU1-1 / COPPER 125mL 1000ug/mL	D2-CU02121	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGBA1-1 / BARIUM 125mL 1000ug/mL	D2-BA02055	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1659

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSE(4)1-1 / SELENIUM 125mL 1000ug/mL	D2-SE02020	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1660

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCR(3)1-1 / CHROMIUM(+3) 125mL 1000ug/mL	D2-CR03042	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1662

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCO1-1 / COBALT 125mL 1000ug/mL	D2-CO02027	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1665

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGNA10-1 / SODIUM 125mL 10,000ug/mL	D2-NA03080	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1669

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTH1-1 / Thorium 1000 ug/ml	C2-TH01079	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1670

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGBE1-1 / BERYLLIUM 125mL 1000ug/mL	D2-BE02003	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1671

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCD1-1 / CADMIUM, 125mL 1000ug/mL	D2-CD02027	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1672

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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 125mL 1000ug/mL	D2-AS02066	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1673

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGV1-1 / VANADIUM 125mL 1000ug/mL	D2-V02065	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1674

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGAG1-1 / SILVER 125mL 1000ug/mL	D2-AG03004	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1675

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTL1-1 / THALLIUM 125mL 1000ug/mL	D2-TL01111	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1676

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGU1-1 / Uranium 1000 ug/ml	D2O01084	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1677

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGK10-1 / POTASSIUM 125mL 10,000ug/mL	D2-K03011	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1679

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGP10-1 / Phosphorus, 125 ml, 10000 ug/ml	D2-P02026	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1680

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGFE10-1 / IRON 125mL 10,000ug/mL	D2-FE03115	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1681

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGAL10-1 / Aluminium, Al, 125 ml, 10,000 ug/ml	D2-AL04086	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1682

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGPB1-1 / LEAD 125mL 1000ug/mL	D2PB03020	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1683

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSR10-1 / STRONTIUM 1 X 125 ml	D2-SR02025	01/01/2012	12/17/2010 / danuta	12/17/2010 / danuta	M1709

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCA10-1 / CALCIUM 125mL 10,000ug/mL	d2-ca04008	05/01/2012	04/18/2011 / danuta	04/15/2011 / danuta	M1824

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMG10-1 / MAGNESIUM 125mL 10,000ug/mL	d2-mg03095	05/01/2012	04/18/2011 / danuta	04/15/2011 / danuta	M1825

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSBF1-1 / ANTIMONY HF, 125mL 1,000ug/mL	D2-SB02125	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1859

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	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1860

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	Z9651Q / CHEM-CLP-4/.25L	E2-MEB374038	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1866

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGS10-1 / SULFUR 125mL 10,000ug/mL	D2-S01113	06/01/2012	06/06/2011 / danuta	05/27/2011 / danuta	M1900

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	01/17/2012	07/18/2011 / jaswal	07/18/2011 / jaswal	M1955

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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	01/17/2012	07/18/2011 / jaswal	07/18/2011 / jaswal	M1956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	/ ICSB (ICPMS) STOCK SOLUTION	ICSB-0803	01/17/2012	07/18/2011 / jaswal	07/18/2011 / jaswal	M1957

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020CAL-1 / Calibration Standard Method 6020	D2-MEB335101	07/01/2012	07/23/2011 / jaswal	06/24/2011 / jaswal	M1971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGZN1-1 / ZINC 125mL 1000ug/mL	D2-ZN02065	02/01/2012	06/20/2011 / jaswal	01/28/2011 / jaswal	M1974

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 #
Seidler Chemical	BA-9530-33 / Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)	K28022	10/05/2016	11/04/2011 / narendra	10/05/2011 / narendra	M2069

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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	11/01/2012	10/22/2011 / jaswal	10/07/2011 / jaswal	M2072

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)	K23022	10/19/2016	11/04/2011 / narendra	10/19/2011 / narendra	M2078

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)	K23022	10/19/2016	11/16/2011 / narendra	10/19/2011 / narendra	M2080

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)	k29026	11/11/2016	11/16/2011 / narendra	11/11/2011 / narendra	M2094

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

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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 # LB57927

Review By jaswal Review On 11/21/2011 12:38:57 PM

STD. NAME	STD REF.#
ICAL Standard	MP9288,MP9348,MP9291,MP9290,MP9289,MP9288
ICV Standard	MP9301
CCV Standard	MP9292
ICSA Standard	MP9297,MP9298,MP9299,MP9300
CRI Standard	
LCS Standard	
Chk Standard	MP9294,MP9302

Sr#	SampleId	ClientID	QcType	Date	Comment	Status
1	TUNE	TUNE	TUNE	11/18/11 22:28		OK
2	S0	S0	CAL1	11/18/11 22:45		OK
3	S1	S	CAL2	11/18/11 22:53		OK
4	S2	S	CAL3	11/18/11 23:00		OK
5	S3	S	CAL4	11/18/11 23:08		OK
6	S4	S	CAL5	11/18/11 23:16		OK
7	S5	S	CAL6	11/18/11 23:24		OK
8	ICV14	ICV14	ICV	11/18/11 23:32		OK
9	ICB14	ICB14	ICB	11/18/11 23:40		OK
10	ICSA14	ICSA14	ICSA	11/18/11 23:48		OK
11	ICSAB14	ICSAB14	ICSAB	11/18/11 23:56		OK
12	ICSA14	ICSA14	ICSA	11/19/11 00:04		OK
13	ICSAB14	ICSAB14	ICSAB	11/19/11 00:11		OK
14	CCV58	CCV58	CCV	11/19/11 00:19		OK
15	CCB58	CCB58	CCB	11/19/11 00:27		OK
16	PB59275BL	PBW01	MB	11/19/11 00:35		OK
17	PB59274BL	PBW01	MB	11/19/11 00:43		OK
18	PB59238BL	PBW01	MB	11/19/11 00:51		OK
19	PB59275BS	LCS01	LCS	11/19/11 00:59		OK
20	PB59274BS	LCS01	LCS	11/19/11 01:07		OK
21	PB59238BS	LCS01	LCS	11/19/11 01:15		OK

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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 # LB57927

Review By jaswal Review On 11/21/2011 12:38:57 PM

STD. NAME	STD REF.#
ICAL Standard	MP9286,MP9348,MP9291,MP9290,MP9289,MP9288
ICV Standard	MP9301
CCV Standard	MP9292
ICSA Standard	MP9297,MP9298,MP9299,MP9300
CRI Standard	
LCS Standard	
Chk Standard	MP9294,MP9302

22	C4481-01	MB9TA1	SAM	11/19/11 01:23	Re run for As	OK
23	C4482-02	MB9TD0	SAM	11/19/11 01:30	Re run for As	OK
24	C4482-03	MB9TC2	SAM	11/19/11 01:38	Re run for As	OK
25	C4482-03L	MB9TC2L	SD	11/19/11 01:46	Re run for As	OK
26	CCV59	CCV59	CCV	11/19/11 01:54		OK
27	CCB59	CCB59	CCB	11/19/11 02:02		OK
28	C4482-04	MB9TC2D	DUP	11/19/11 02:10	Re run for As	OK
29	C4482-05	MB9TC2S	MS	11/19/11 02:18	Re run for As	OK
30	C4482-05	MB9TC2S	MS	11/19/11 02:26	Do not use	OK
31	C4482-06	MB9TF0	SAM	11/19/11 02:34	Re run for As	OK
32	C4482-07	MB9TF2	SAM	11/19/11 02:42	Re run for As	OK
33	C4482-08	MB9TG4	SAM	11/19/11 02:50	Re run for As	OK
34	C4482-09	MB9TC0	SAM	11/19/11 02:57	Re run for As	OK
35	C4481-03	MB9TC9	SAM	11/19/11 03:05	Re run for As	OK
36	C4481-03	MB9TC9	SAM	11/19/11 03:13	Do not use	OK
37	C4482-01	MB9TA8	SAM	11/19/11 03:21	Do not use	OK
38	CCV60	CCV60	CCV	11/19/11 03:29		OK
39	CCB60	CCB60	CCB	11/19/11 03:37		OK
40	C4481-04	MB9TA2	SAM	11/19/11 03:45	Re run for As and Zn	OK
41	C4481-05	MB9TC1	SAM	11/19/11 03:53	Re run for As and Zn	OK
42	C4481-06	MB9TC1D	SAM	11/19/11 04:01	Re run for As and Zn	OK
43	C4481-05L	MB9TC1L	SD	11/19/11 04:09	Re run for As and Zn	OK

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Instrument ID: P6

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Daily Analysis Runlog For Sequence/QCBatch ID # LB57927

Review By jaswal Review On 11/21/2011 12:38:57 PM

STD. NAME	STD REF.#
ICAL Standard	MP9286,MP9348,MP9291,MP9290,MP9289,MP9288
ICV Standard	MP9301
CCV Standard	MP9292
ICSA Standard	MP9297,MP9298,MP9299 MP9300
CRI Standard	
LCS Standard	
Chk Standard	MP9294,MP9302

44	C4481-07	MB9TC1S	MS	11/19/11 04:17	Re run for As and Zn	OK
45	C4481-07	MB9TC1S	MS	11/19/11 04:24	Do not use	OK
46	C4481-08	MB9TE9	SAM	11/19/11 04:32	Re run for As and Zn	OK
47	C4481-09	MB9TF1	SAM	11/19/11 04:40	Re run for As and Zn	OK
48	C4481-10	MB9TG3	SAM	11/19/11 04:48	Re run for As and Zn	OK
49	C4481-11	MB9TB9	SAM	11/19/11 04:56	Re run for As and Zn	OK
50	CCV61	CCV61	CCV	11/19/11 05:04		OK
51	CCB61	CCB61	CCB	11/19/11 05:12		OK
52	C4481-12	MB9TA3	SAM	11/19/11 05:20	Re run for As and Zn	OK
53	C4481-13	MB9TA4	SAM	11/19/11 05:28	Re run for As and Zn	OK
54	C4481-14	MB9TA0	SAM	11/19/11 05:36	Re run for As and Zn	OK
55	C4482-01	MB9TA8	SAM	11/19/11 05:44	Re run for As and Zn	OK
56	C4481-02	MB9TA7	SAM	11/19/11 05:52	Re run for As and Zn and Zn result is high	Dilution
57	C4481-02	MB9TA7	SAM	11/19/11 05:59	25X dilution for Zn	OK
58	C4481-02	MB9TA7	SAM	11/19/11 06:07	do not use	OK
59	C4463-01	MH3BA0	SAM	11/19/11 06:15	Re run for As and Zn	OK
60	C4463-13	MH3B94	SAM	11/19/11 06:23	Re run for As and Zn	OK
61	C4463-01	MH3BA0	SAM	11/19/11 06:31	do not use	OK
62	CCV62	CCV62	CCV	11/19/11 06:39		OK
63	CCB62	CCB62	CCB	11/19/11 06:47		OK
64	C4463-14	MH3B95	SAM	11/19/11 06:55	Re run for As	OK
65	C4463-15	MH3B96	SAM	11/19/11 07:03	Re run for As	OK

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Instrument ID: P6

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Daily Analysis Runlog For Sequence/QCBatch ID # LB57927

Review By jaswal Review On 11/21/2011 12:38:57 PM

STD. NAME	STD REF.#
ICAL Standard	MP9286,MP9348,MP9291,MP9290,MP9289,MP9288
ICV Standard	MP9301
CCV Standard	MP9292
ICSA Standard	MP9297,MP9298,MP9299,MP9300
CRI Standard	
LCS Standard	
Chk Standard	MP9294,MP9302

66	C4463-16	MH3B97	SAM	11/19/11 07:11	Re run for As	OK
67	C4463-18	MH3B99	SAM	11/19/11 07:19	Re run for As	OK
68	C4463-05	MH3B88	SAM	11/19/11 07:27	Re run for As	OK
69	C4463-10	MH3B91	SAM	11/19/11 07:35	Re run for As	OK
70	C4463-11	MH3B92	SAM	11/19/11 07:42	Re run for As	OK
71	C4463-05	MH3B88	SAM	11/19/11 07:50	do not use	OK
72	C4463-10	MH3B91	SAM	11/19/11 07:58	do not use	OK
73	C4463-11	MH3B92	SAM	11/19/11 08:06	do not use	OK
74	CCV63	CCV63	CCV	11/19/11 08:14		OK
75	CCB63	CCB63	CCB	11/19/11 08:22		OK
76	C4463-02	MH3B85	SAM	11/19/11 08:30	Re run for As	OK
77	C4463-03	MH3B86	SAM	11/19/11 08:38	Re run for As	OK
78	C4463-04	MH3B87	SAM	11/19/11 08:46	Re run for As	OK
79	C4463-12	MH3B93	SAM	11/19/11 08:54	Re run for As	OK
80	C4463-06	MH3B89	SAM	11/19/11 09:02	Re run for As	OK
81	C4463-02	MH3B85	SAM	11/19/11 09:10	do not use	OK
82	C4463-03	MH3B86	SAM	11/19/11 09:18	do not use	OK
83	C4463-04	MH3B87	SAM	11/19/11 09:26	do not use	OK
84	C4463-12	MH3B93	SAM	11/19/11 09:34	do not use	OK
85	C4463-06	MH3B89	SAM	11/19/11 09:42	do not use	OK
86	CCV64	CCV64	CCV	11/19/11 09:49		OK
87	CCB64	CCB64	CCB	11/19/11 09:57		OK

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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 # LB57927

Review By jaswal Review On 11/21/2011 12:38:57 PM

STD. NAME	STD REF.#
ICAL Standard	MP9286,MP9348,MP9291,MP9290,MP9289,MP9288
ICV Standard	MP9301
CCV Standard	MP9292
ICSA Standard	MP9297,MP9298,MP9299,MP9300
CRI Standard	
LCS Standard	
Chk Standard	MP9294,MP9302

88	C4463-17	MH3B98	SAM	11/19/11 10:05	Re run for As	OK
89	C4463-07	MH3B90	SAM	11/19/11 10:13	Re run for As	OK
90	C4463-08	MH3B90D	DUP	11/19/11 10:21	Re run for As	OK
91	C4463-09	MH3B90S	MS	11/19/11 10:29	Re run for As	OK
92	C4463-07L	MH3B90L	SD	11/19/11 10:37	Re run for As	OK
93	C4463-17	MH3B98	SAM	11/19/11 10:45	do not use	OK
94	C4463-07	MH3B90	SAM	11/19/11 10:53	do not use	OK
95	C4463-08	MH3B90D	DUP	11/19/11 11:01	do not use	OK
96	C4463-09	MH3B90S	MS	11/19/11 11:09	do not use	OK
97	C4463-07L	MH3B90L	SD	11/19/11 11:17	do not use	OK
98	CCV65	CCV65	CCV	11/19/11 11:25		OK
99	CCB65	CCB65	CCB	11/19/11 11:33		OK
100	CCV66	CCV66	CCV	11/19/11 14:04		OK
101	CCB66	CCB66	CCB	11/19/11 14:12		OK
102	PB59293BL	PBW01	MB	11/19/11 14:20		OK
103	C4391-18	MB9T99	SAM	11/19/11 14:36		OK
104	PB59293BS	LCS01	LCS	11/19/11 14:44		OK
105	CCV67	CCV67	CCV	11/19/11 14:52		OK
106	CCB67	CCB67	CCB	11/19/11 15:00		OK

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Prep Standard - Chemical Standard Summary

Project ID : C4463

Test : Metals CLP MS

Prepbatch ID : PB59238

Sequence ID/Qc Batch ID: LB57927

Standard ID :

MP8463,MP8992,MP9104,MP9096,MP9118,MP9286,MP9288,MP9287,MP9289,MP9290,MP9291,MP9292,MP9294,MP9293,MP9297,MP9298,MP9299,MP9300,MP9301,MP9302,MP9348,MP9347,MP8463,MP8992,MP9096,MP9104,MP9118,MP9286,MP9287,MP9288,MP9289,MP9290,MP9291,MP9292,MP9293,MP9294,MP9297,MP9298,MP9299,MP9300,MP9301,MP9302,MP9347,MP9348,

Chemical ID :

W1152,M2000,M2058,M1682,M1713,M1673,M1659,M1671,M1672,M1824,M1866,M1662,M1665,M1657,M1681,M1683,M1825,M1656,M1655,M1679,M1660,M1675,M1669,M1700,M1676,M1670,M1677,M1674,M1974,M2068,M2052,M1857,M1861,M2094,M2080,M1971,M1680,M1709,M1900,M2024,M1623,M1956,M1957,M1860,M1955,M2072,M1859,M1623,M1655,M1656,M1657,M1659,M1660,M1662,M1665,M1669,M1670,M1671,M1672,M1673,M1674,M1675,M1676,M1677,M1679,M1680,M1681,M1682,M1683,M1700,M1709,M1713,M1824,M1825,M1857,M1859,M1860,M1861,M1866,M1900,M1955,M1956,M1957,M1971,M1974,M2000,M2024,M2052,M2058,M2068,M2072,M2080,M2094,W1152,

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
170	1:1HCL	MP8463	09/16/2011	03/16/2012	narendra

FROM 1250.00000ml of DI Water(W1152) + 1250.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L) (M2000) = Final Quantity: 2500.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
169	1:1HNO3	MP8992	10/25/2011	04/25/2012	narendra

FROM 1250.00000ml of DI Water(W1152) + 1250.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2058) = Final Quantity: 2500.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP9096	11/02/2011	11/16/2011	jaswal

FROM 10.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(M2068) + 1970.00000ml of DI Water(W1152) + 20.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2052) = Final Quantity: 2000.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1120	ICPMS ISM01.2 S1(CONC.)	MP9104	11/02/2011	11/16/2011	jaswal

FROM 0.05000ml of ARSENIC 125mL 1000ug/mL(M1673) + 0.05000ml of BERYLLIUM 125mL 1000ug/mL(M1671) + 0.05000ml of CADMIUM, 125mL 1000ug/mL(M1672) + 0.05000ml of COBALT 125mL 1000ug/mL(M1665) + 0.05000ml of LEAD 125mL 1000ug/mL(M1683) + 0.05000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.05000ml of NICKEL 125mL 1000ug/mL(M1655) + 0.05000ml of SILVER 125mL 1000ug/mL(M1675) + 0.05000ml of Strontium, 125 ml, 1000 PPM(M1700) + 0.05000ml of THALLIUM 125mL 1000ug/mL(M1676) + 0.05000ml of Thorium 1000 ug/ml(M1670) + 0.05000ml of Uranium 1000 ug/ml(M1677) + 0.10000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1682) + 0.10000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1713) + 0.10000ml of CHROMIUM(+3) 125mL 1000ug/mL(M1662) + 0.10000ml of COPPER 125mL 1000ug/mL(M1657) + 0.10000ml of ZINC 125mL 1000ug/mL(M1974) + 0.25000ml of CHEM-CLP-4/.25L(M1866) + 0.25000ml of SELENIUM 125mL 1000ug/mL(M1660) + 0.25000ml of VANADIUM 125mL 1000ug/mL(M1674) + 0.50000ml of BARIUM 125mL 1000ug/mL(M1659) + 1.00000ml of IRON 125mL 10,000ug/mL(M1681) + 2.50000ml of CALCIUM 125mL 10,000ug/mL(M1824) + 2.50000ml of MAGNESIUM 125mL 10,000ug/mL(M1825) + 2.50000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 2.50000ml of SODIUM 125mL 10,000ug/mL(M1669) + 236.65000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9096) = Final Quantity: 250.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
870	ICPMS SPIKE SOL.B	MP9118	11/02/2011	11/16/2011	jaswal

FROM 5.00000ml of SOIL/WATER SPIKE SOLN 1, 125mL(M1857) + 5.00000ml of SOIL/WATER SPIKE SOLN 4, 125mL(M1861) + 40.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9096) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1122	ICPMS CALIB BLANK(S0/ICB/CCB)	MP9286	11/16/2011	11/30/2011	jaswal

FROM 10.00000ml of Hydrochloric Acid, Instra-Analyzed (cs/6x2.5L)(M2094) + 1970.00000ml of DI Water(W1152) + 20.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2080) = Final Quantity: 2000.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1125	SOL.C(100PPM) ISM01.2	MP9287	11/16/2011	11/30/2011	jaswal

FROM 2.50000ml of CHEM-CLP-4/.25L(M1866) + 22.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB) (MP9286) = Final Quantity: 25.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1426	S5 ICPMS ISM01.2	MP9288	11/16/2011	11/30/2011	jaswal

FROM 0.01000ml of STRONTIUM 1 X 125 ml(M1709) + 0.10000ml of COPPER 125mL 1000ug/mL(M1657) + 0.10000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.10000ml of Thorium 1000 ug/ml(M1670) + 0.10000ml of Uranium 1000 ug/ml(M1677) + 0.10000ml of ZINC 125mL 1000ug/mL(M1974) + 0.19000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1682) + 0.20000ml of Phosphorus, 125 ml, 10000 ug/ml(M1680) + 0.20000ml of SULFUR 125mL 10,000ug/mL(M1900) + 0.40000ml of BARIUM 125mL 1000ug/mL(M1659) + 0.49000ml of IRON 125mL 10,000ug/mL(M1681) + 0.49000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 0.99000ml of CALCIUM 125mL 10,000ug/mL(M1824) + 0.99000ml of MAGNESIUM 125mL 10,000ug/mL(M1825) + 0.99000ml of SODIUM 125mL 10,000ug/mL(M1669) + 5.00000ml of Calibration Standard Method 6020(M1971) + 1.00000ml of SOL.C(100PPM) ISM01.2(MP9287) + 88.55000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1427	S4 ICPMS ISM01.2	MP9289	11/16/2011	11/30/2011	jaswal

FROM 25.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) + 25.00000ml of S5 ICPMS ISM01.2(MP9288) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1428	S3 ICPMS ISM01.2	MP9290	11/16/2011	11/30/2011	jaswal

FROM 12.50000ml of S5 ICPMS ISM01.2(MP9288) + 37.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB) (MP9286) = Final Quantity: 50.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1429	S2 ICPMS ISM01.2	MP9291	11/16/2011	11/30/2011	jaswal

FROM 43.75000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) + 6.25000ml of S5 ICPMS ISM01.2(MP9288) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1430	CCV ICPMS ISM01.2	MP9292	11/16/2011	11/30/2011	jaswal

FROM 0.02500ml of STRONTIUM 1 X 125 ml(M1709) + 0.25000ml of COPPER 125mL 1000ug/mL(M1657) + 0.25000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.25000ml of Thorium 1000 ug/ml(M1670) + 0.25000ml of Uranium 1000 ug/ml(M1677) + 0.25000ml of ZINC 125mL 1000ug/mL(M1974) + 0.47500ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1682) + 0.50000ml of Phosphorus, 125 ml, 10000 ug/ml(M1680) + 0.50000ml of SULFUR 125mL 10,000ug/mL(M1900) + 1.00000ml of BARIUM 125mL 1000ug/mL(M1659) + 1.22500ml of IRON 125mL 10,000ug/mL(M1681) + 1.22500ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 12.50000ml of Calibration Standard Method 6020(M1971) + 2.47500ml of CALCIUM 125mL 10,000ug/mL(M1824) + 2.47500ml of MAGNESIUM 125mL 10,000ug/mL(M1825) + 2.47500ml of SODIUM 125mL 10,000ug/mL(M1669) + 2.50000ml of SOL.C(100PPM) ISM01.2(MP9287) + 471.37500ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 500.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1135	MG 10PPM ILM05.4 FOR TUNE	MP9293	11/16/2011	11/30/2011	jaswal

FROM 0.10000ml of MAGNESIUM 125mL 10,000ug/mL(M1623) + 99.90000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 100.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1172	TUNE SOL 100PPB ICPMS	MP9294	11/16/2011	11/30/2011	jaswal

FROM 1.00000ml of TUNE-A,(M2024) + 1.00000ml of MG 10PPM ILM05.4 FOR TUNE(MP9293) + 98.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 100.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1142	ICSA ICPMS	MP9297	11/16/2011	11/30/2011	jaswal

FROM 5.00000ml of ICSA (ICPMS) STOCK SOLN(M1956) + 45.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1143	ICSAB ICPMS	MP9298	11/16/2011	11/30/2011	jaswal

FROM 5.00000ml of ICSA (ICPMS) STOCK SOLN(M1956) + 5.00000ml of ICSB (ICPMS) STOCK SOLUTION(M1957) + 40.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 50.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1165	ICSAX10	MP9299	11/16/2011	11/30/2011	jaswal

FROM 45.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) + 5.00000ml of ICSA ICPMS(MP9297) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1166	ICSABX10	MP9300	11/16/2011	11/30/2011	jaswal

FROM 45.00000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) + 5.00000ml of ICSAB ICPMS(MP9298) = Final Quantity: 50.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1575	ICV ISM01.2 MS	MP9301	11/16/2011	11/30/2011	jaswal

FROM 0.02500ml of CHEM-QC-4, Second Source, 1000 ug/ml, B, Mo, Si, Sn, Ti(M1860) + 1.00000ml of ICV (ICP/ICPMS) STOCK SOLN (M1955) + 48.97500ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 50.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
857	ICPMS INT. STANDARD	MP9302	11/16/2011	11/30/2011	jaswal

FROM 2450.00000ml of DI Water(W1152) + 25.00000ml of 6020ISS, 10 ug/ml, Bi, Ho, In, 6Li, Rh, Sc, TB, Y(M2072) + 25.00000ml of Nitric Acid, Instra-Analyzed (cs/4x2.5L)(M2080) = Final Quantity: 2500.000 ml

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Metals STANDARD PREPARATION LOG

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1715	CRQL-S1	MP9347	11/18/2011	11/30/2011	jaswal

FROM 0.02000ml of ARSENIC 125mL 1000ug/mL(M1673) + 0.04500ml of THALLIUM 125mL 1000ug/mL(M1676) + 0.05000ml of BERYLLIUM 125mL 1000ug/mL(M1671) + 0.05000ml of CADMIUM, 125mL 1000ug/mL(M1672) + 0.05000ml of COBALT 125mL 1000ug/mL(M1665) + 0.05000ml of LEAD 125mL 1000ug/mL(M1683) + 0.05000ml of MANGANESE, 125mL 1000ug/mL(M1656) + 0.05000ml of NICKEL 125mL 1000ug/mL(M1655) + 0.05000ml of SILVER 125mL 1000ug/mL(M1675) + 0.05000ml of Thorium 1000 ug/ml(M1670) + 0.05000ml of Uranium 1000 ug/ml(M1677) + 0.10000ml of Aluminium, Al, 125 ml, 10,000 ug/ml(M1682) + 0.10000ml of ANTIMONY HF, 125mL 1,000ug/mL(M1859) + 0.10000ml of CHROMIUM(+3) 125mL 1000ug/mL(M1662) + 0.10000ml of COPPER 125mL 1000ug/mL(M1657) + 0.10000ml of ZINC 125mL 1000ug/mL(M1974) + 0.25000ml of CHEM-CLP-4/.25L(M1866) + 0.25000ml of SELENIUM 125mL 1000ug/mL(M1660) + 0.25000ml of VANADIUM 125mL 1000ug/mL(M1674) + 0.50000ml of BARIUM 125mL 1000ug/mL(M1659) + 1.00000ml of IRON 125mL 10,000ug/mL(M1681) + 2.50000ml of CALCIUM 125mL 10,000ug/mL(M1824) + 2.50000ml of MAGNESIUM 125mL 10,000ug/mL(M1825) + 2.50000ml of POTASSIUM 125mL 10,000ug/mL(M1679) + 2.50000ml of SODIUM 125mL 10,000ug/mL(M1669) + 236.73500ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 250.000 ml

RecipeID	NAME	NO.	Prep Date	Expiration D	Prepared By
1735	S1 FOR (ICPMS)	MP9348	11/18/2011	11/30/2011	jaswal

FROM 0.50000ml of CRQL-S1(MP9347) + 99.50000ml of ICPMS CALIB BLANK(S0/ICB/CCB)(MP9286) = Final Quantity: 100.000 ml

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Metals CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMG10-1 / MAGNESIUM 125mL 10,000ug/mL	D2-MG03086	12/01/2011	11/30/2010 / jaswal	11/12/2010 / jaswal	M1623

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGNI1-1 / NICKEL 125mL 1000ug/mL	C2-NI02062	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1655

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMN1-1 / MANGANESE, 125mL 1000ug/mL	D2-MN02079	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1656

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCU1-1 / COPPER 125mL 1000ug/mL	D2-CU02121	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1657

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGBA1-1 / BARIUM 125mL 1000ug/mL	D2-BA02055	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1659

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSE(4)1-1 / SELENIUM 125mL 1000ug/mL	D2-SE02020	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1660

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCR(3)1-1 / CHROMIUM(+3) 125mL 1000ug/mL	D2-CR03042	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1662

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCO1-1 / COBALT 125mL 1000ug/mL	D2-CO02027	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1665

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGNA10-1 / SODIUM 125mL 10,000ug/mL	D2-NA03080	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1669

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTH1-1 / Thorium 1000 ug/ml	C2-TH01079	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1670

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGBE1-1 / BERYLLIUM 125mL 1000ug/mL	D2-BE02003	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1671

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCD1-1 / CADMIUM, 125mL 1000ug/mL	D2-CD02027	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1672

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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 125mL 1000ug/mL	D2-AS02066	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1673

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGV1-1 / VANADIUM 125mL 1000ug/mL	D2-V02065	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1674

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGAG1-1 / SILVER 125mL 1000ug/mL	D2-AG03004	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1675

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGTL1-1 / THALLIUM 125mL 1000ug/mL	D2-TL01111	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1676

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGU1-1 / Uranium 1000 ug/ml	D2O01084	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1677

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGK10-1 / POTASSIUM 125mL 10,000ug/mL	D2-K03011	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1679

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGP10-1 / Phosphorus, 125 ml, 10000 ug/ml	D2-P02026	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1680

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGFE10-1 / IRON 125mL 10,000ug/mL	D2-FE03115	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1681

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGAL10-1 / Aluminium, Al, 125 ml, 10,000 ug/ml	D2-AL04086	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1682

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGPB1-1 / LEAD 125mL 1000ug/mL	D2PB03020	12/01/2011	11/29/2010 / chirag	11/29/2010 / chirag	M1683

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	c2-sr02024	01/01/2012	12/14/2010 / danuta	12/13/2010 / danuta	M1700

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSR10-1 / STRONTIUM 1 X 125 ml	D2-SR02025	01/01/2012	12/17/2010 / danuta	12/17/2010 / danuta	M1709

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSBF1-1 / ANTIMONY HF, 125mL 1,000ug/mL	D2-SB02125	02/01/2012	01/07/2011 / kchoi	01/05/2011 / kchoi	M1713

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGCA10-1 / CALCIUM 125mL 10,000ug/mL	d2-ca04008	05/01/2012	04/18/2011 / danuta	04/15/2011 / danuta	M1824

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGMG10-1 / MAGNESIUM 125mL 10,000ug/mL	d2-mg03095	05/01/2012	04/18/2011 / danuta	04/15/2011 / danuta	M1825

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	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1857

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGSBF1-1 / ANTIMONY HF, 125mL 1,000ug/mL	D2-SB02125	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1859

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	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1860

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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	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1861

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	Z9651Q / CHEM-CLP-4/.25L	E2-MEB374038	06/01/2012	05/11/2011 / danuta	05/09/2011 / danuta	M1866

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGS10-1 / SULFUR 125mL 10,000ug/mL	D2-S01113	06/01/2012	06/06/2011 / danuta	05/27/2011 / danuta	M1900

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	01/17/2012	07/18/2011 / jaswal	07/18/2011 / jaswal	M1955

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	01/17/2012	07/18/2011 / jaswal	07/18/2011 / jaswal	M1956

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
EPA	/ ICSB (ICPMS) STOCK SOLUTION	ICSB-0803	01/17/2012	07/18/2011 / jaswal	07/18/2011 / jaswal	M1957

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	6020CAL-1 / Calibration Standard Method 6020	D2-MEB335101	07/01/2012	07/23/2011 / jaswal	06/24/2011 / jaswal	M1971

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Inorganic Ventures	CGZN1-1 / ZINC 125mL 1000ug/mL	D2-ZN02065	02/01/2012	06/20/2011 / jaswal	01/28/2011 / jaswal	M1974

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)	K24040	08/24/2016	09/16/2011 / narendra	08/24/2011 / NARENDRA	M2000

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 #
Seidler Chemical	BA-9598-34 / Nitric Acid, Instra-Analyzed (cs/4x2.5L)	J12036	10/05/2016	11/01/2011 / narendra	10/05/2011 / narendra	M2052

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)	J14036	10/05/2016	10/25/2011 / narendra	10/05/2011 / narendra	M2058

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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)	K28022	10/05/2016	10/28/2011 / narendra	10/05/2011 / narendra	M2068

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	11/01/2012	10/22/2011 / jaswal	10/07/2011 / jaswal	M2072

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)	K23022	10/19/2016	11/16/2011 / narendra	10/19/2011 / narendra	M2080

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)	k29026	11/11/2016	11/16/2011 / narendra	11/11/2011 / narendra	M2094

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: M1000

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ACCREDITED Testing Laboratory Certificate 863.01

ACCREDITED Reference Material Producer Certificate 863.02

2.0 DESCRIPTION OF CRM **10000 µg/mL Sulfur in H2O**

Catalog Number:	CGS10-1, CGS10-2 and CGS10-5
Lot Number:	**D2-S01113**
Starting Material:	H2SO4
Starting Material Purity (%):	99.999985
Starting Material Lot No:	G42027
Matrix:	H2O

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,044 ± 63 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 $(\bar{x}) = \frac{\Sigma x_i}{n}$ ($\bar{x}$) = mean

x_i = individual results

n = number of measurements

Uncertainty $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/4}}{(n)^{1/2}}$ 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 **10,044 ± 20 µg/mL**
Acidimetric NIST SRM 84k Lot Number: 84k

Assay Method #2 **10,044 ± 56 µg/mL**
ICP Assay NIST SRM 3154 Lot Number: 892205

Standard ID : M1971

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R: 08/24/2011 ~~M1967~~ ~~M1970~~

7/23/11 M1971

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2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: 6020CAL-1

Lot Number: **D2-MEB335101**

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 ± 0.07 µg/mL	Antimony, Sb	20.00 ± 0.06 µg/mL	Arsenic, As	20.00 ± 0.07 µg/mL
Barium, Ba	20.00 ± 0.03 µg/mL	Beryllium, Be	20.00 ± 0.08 µg/mL	Cadmium, Cd	20.00 ± 0.04 µg/mL
Calcium, Ca	20.01 ± 0.05 µg/mL	Chromium+3, Cr3	20.00 ± 0.07 µg/mL	Cobalt, Co	20.00 ± 0.08 µg/mL
Copper, Cu	20.00 ± 0.04 µg/mL	Iron, Fe	20.00 ± 0.06 µg/mL	Lead, Pb	20.00 ± 0.05 µg/mL
Magnesium, Mg	20.01 ± 0.05 µg/mL	Manganese, Mn	20.00 ± 0.11 µg/mL	Nickel, Ni	20.00 ± 0.05 µg/mL
Potassium, K	20.01 ± 0.05 µg/mL	Selenium, Se	20.00 ± 0.04 µg/mL	Silver, Ag	20.00 ± 0.02 µg/mL
Sodium, Na	20.01 ± 0.04 µg/mL	Thallium, Tl	20.00 ± 0.04 µg/mL	Vanadium, V	20.00 ± 0.06 µg/mL
Zinc, Zn	20.00 ± 0.09 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.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = 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)

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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:	**D2-AG03004**
Starting Material:	Ag shot
Starting Material Purity (%):	99.991024
Starting Material Lot No:	E308AGA1
Matrix:	5% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,000 ± 2 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 $(\pm) = \frac{2\left[(\Sigma s_i)^2\right]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = 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** **1,002 ± 3 µg/mL**
ICP Assay NIST SRM 3151 Lot Number: 992212

Assay Method #2 **1,000 ± 2 µg/mL**
Volhard NIST SRM 999b Lot Number: 999b

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2.0 DESCRIPTION OF CRM **10000 µg/mL Aluminum in 7% (v/v) HNO3**

Catalog Number:	CGAL10-1, CGAL10-2, and CGAL10-5
Lot Number:	**D2-AL04086**
Starting Material:	Al ingot
Starting Material Purity (%):	99.999682
Starting Material Lot No:	1502
Matrix:	7% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,031 ± 30 µg/mL

Certified Density: 1.085 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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/4}}{(n)^{1/2}}$

($\bar{x}$) = 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**	**9,997 ± 39 µg/mL** ICP Assay NIST SRM 3101a Lot Number: 060502
	Assay Method #2	**10,031 ± 30 µg/mL** EDTA NIST SRM 928 Lot Number: 928

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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-AS02066**
Starting Material:	As pieces
Starting Material Purity (%):	99.999032
Starting Material Lot No:	R1107ASB1
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 999 ± 5 µg/mL

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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/4}}{(n)^{1/4}}$

($\bar{x}$) = 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** **999 ± 5 µg/mL**
ICP Assay NIST SRM 3103a Lot Number: 010713

Assay Method #2 **1,000 ± 5 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

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CERTIFICATE OF ANALYSIS

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ACCREDITED Testing Laboratory Certificate 883.01

ACCREDITED Reference Material Producer Certificate 833.02

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:	**D2-BA02055**
Starting Material:	Ba(NO3)2
Starting Material Purity (%):	99.999842
Starting Material Lot No:	1514
Matrix:	0.1% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,007 ± 3 µg/mL

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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = 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)

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	**1,002 ± 4 µg/mL** ICP Assay NIST SRM 3104a Lot Number: 070222
	Assay Method #2	**1,007 ± 3 µg/mL** Gravimetric NIST SRM Lot Number: See Sec. 4.2

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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:	**D2-BE02003**
Starting Material:	Be(OOCCH3)2
Starting Material Purity (%):	99.999948
Starting Material Lot No:	0801-1
Matrix:	3% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,004 ± 6 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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

Uncertainty $(\pm) = \frac{2\left[(\Sigma s_i)^2\right]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = 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

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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** **1,004 ± 6 µg/mL (avg. of 2 runs)**
ICP Assay NIST SRM 3105a Lot Number: 892707

Assay Method #2 **1,001 ± 5 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

Standard ID: M1824

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ACCREDITED Testing Laboratory Certificate 863.01 ACCREDITED Reference Material Producer Certificate 863.02

2.0 DESCRIPTION OF CRM **10000 µg/mL Calcium in 2% (v/v) HNO3**

Catalog Number:	CGCA10-1, CGCA10-2, and CGCA10-5
Lot Number:	**D2-CA04008**
Starting Material:	CaO
Starting Material Purity (%):	99.995507
Starting Material Lot No:	C808CAA1
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 9,994 ± 37 µg/mL (avg. of 2 methods)

Certified Density: 1.038 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** **9,995 ± 47 µg/mL**
ICP Assay NIST SRM 3109a Lot Number: 050825

Assay Method #2 **9,992 ± 26 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

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DESCRIPTION OF CRM	**1000 µg/mL Cadmium in 3% (v/v) HNO3**
Catalog Number:	CGCD1-1, CGCD1-2, and CGCD1-5
Lot Number:	**D2-CD02027**
Starting Material:	Cd shot
Starting Material Purity (%):	99.999656
Starting Material Lot No:	R1205CDA1
Matrix:	3% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,002 ± 4 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 $(\bar{x}) = \frac{\sum x_i}{n}$

Uncertainty $(\pm) = \frac{2\,[(\sum s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
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** **1,002 ± 4 µg/mL**
ICP Assay NIST SRM 3108 Lot Number: 060531

Assay Method #2 **1,002 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Standard ID : 16572

Standard ID: M1866

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ACCREDITED Testing Laboratory Certificate 858.01

ACCREDITED Reference Material Producer Certificate 853.02

2.0 DESCRIPTION OF CRM

Custom Solution

Catalog No: CHEM-CLP-4

Lot Number: E2-MEB374038

Matrix: 0.8% 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 ± 4 µg/mL	Molybdenum, Mo	1,000 ± 5 µg/mL	Silicon, Si	1,000 ± 3 µg/mL
Tin, Sn	1,000 ± 5 µg/mL	Titanium, Ti	1,000 ± 5 µg/mL		

Certified Density: 1.031 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

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = 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)

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.

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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 Cobalt in 3% (v/v) HNO3**

Catalog Number:	CGCO1-1, CGCO1-2, and CGCO1-5
Lot Number:	**D2-CO02027**
Starting Material:	Co powder
Starting Material Purity (%):	99.997516
Starting Material Lot No:	KW809COA1
Matrix:	3% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,003 ± 3 µg/mL

Certified Density: 1.019 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)

4.0 **TRACEABILITY TO NIST AND VALUES OBTAINED BY INDEPENDENT METHODS**

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4.1 **Assay Method #1** **1,003 ± 5 µg/mL**
ICP Assay NIST SRM 3181 Lot Number: 000630

Assay Method #2 **1,003 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

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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:	**D2-CR03042**
Starting Material:	Cr pieces
Starting Material Purity (%):	99.993508
Starting Material Lot No:	R800A
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,000 ± 3 µg/mL

Certified Density: 1.014 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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/4}}$

($\bar{x}$) = 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

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4.1	Assay Method #1	**1,000 ± 3 µg/mL (avg. of 2 runs)** ICP Assay NIST SRM 3112a Lot Number: 030730
	Assay Method #2	**1,001 ± 5 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

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ACCREDITED Testing Laboratory Certificate 825.01

ACCREDITED Reference Material Producer Certificate 3001.02

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 (%):	99.999158
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
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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

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ACCREDITED Testing Laboratory Certificate 852.01

ACCREDITED Reference Material Producer Certificate 852.02

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:	**D2-FE03115**
Starting Material:	Fe powder
Starting Material Purity (%):	99.995342
Starting Material Lot No:	1539
Matrix:	5% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,125 ± 26 µg/mL

Certified Density: 1.066 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** **10,130 ± 47 µg/mL (avg. of 3 runs)**
ICP Assay NIST SRM 3126a Lot Number: 051031

Assay Method #2 **10,125 ± 26 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Standard ID : M1956

Rd : 07/18/2011 M1956

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.

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Standard ID : M1957

Rd : 07/18/2011

M1957

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.

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Standard ID : M1955

R: 07/18/2011

M1955

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

07/18/11

Standard ID : M2072

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M2072

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ACCREDITED Testing Laboratory Certificate 853.01

ACCREDITED Reference Material Producer Certificate 853.02

2.0 **DESCRIPTION OF CRM**

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.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = 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 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 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: M1679

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M2103

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ACCREDITED Reference Material Producer Certificate 853.02

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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

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	**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

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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:	**D2-SB02125**
Starting Material:	Sb shot
Starting Material Purity (%):	99.999426
Starting Material Lot No:	R1105SBA1
Matrix:	2% (v/v) HNO3 / tr. HF

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,008 ± 5 µg/mL

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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = 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** **1,008 ± 5 µg/mL**
ICP Assay NIST SRM 3102A Lot Number: 061229

Standard ID: M1623, M1656, M1825

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M2102

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ACCREDITED Testing Laboratory Certificate 585.01

ACCREDITED Reference Material Producer certificate 585.02

2.0	**DESCRIPTION OF CRM**	**10000 µg/mL Magnesium in 2% (v/v) HNO3**
	Catalog Number:	CGMG10-1, CGMG10-2, and CGMG10-5
	Lot Number:	**E2-MG03101**
	Starting Material:	Mg metal
	Starting Material Purity (%):	99.9995
	Starting Material Lot No:	1484
	Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,007 ± 50 µg/mL - weighted mean

Certified Density: 1.051 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	**10,001 ± 28 µg/mL** ICP Assay NIST SRM 3131a Lot Number: 050302
	Assay Method #2	**10,014 ± 26 µg/mL** EDTA NIST SRM 928 Lot Number: 928

Standard ID : M1669
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2.0 DESCRIPTION OF CRM **10000 µg/mL Sodium in 2% (v/v) HNO3**

Catalog Number:	CGNA10-1, CGNA10-2, and CGNA10-5
Lot Number:	**E2-NA03092**
Starting Material:	Na2CO3
Starting Material Purity (%):	99.9999
Starting Material Lot No:	C181157
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 10,032 ± 46 µg/mL - weighted mean

Certified Density: 1.035 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)

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** **10,035 ± 20 µg/mL**
ICP Assay NIST SRM 3152a Lot Number: 010728

Assay Method #2 **10,029 ± 18 µg/mL**
Gravimetric NIST SRM Lot Number: See Sec. 4.2

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ACCREDITED Reference Material Producer Certificate 853.02

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:	**C2-NI02062**
	Starting Material:	Ni pieces
	Starting Material Purity (%):	99.999033
	Starting Material Lot No:	E25T014
	Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1003 ± 3 µg/mL

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 $(\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

Σs_i = The summation of all significant estimated errors (Most common are the errors from instumental 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 ± 3 µg/mL**
		ICP Assay NIST SRM 3136 Lot Number: 000612
	Assay Method #2	**1003 ± 3 µg/mL**
		EDTA NIST SRM 928 Lot Number: 928

Standard ID: M1680
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2.0 DESCRIPTION OF CRM **1000 µg/mL Phosphorus in H2O**

Catalog Number:	CGP1-1, CGP1-2, and CGP1-5
Lot Number:	**E2-P02032**
Starting Material:	H3PO4
Starting Material Purity (%):	99.9983
Starting Material Lot No:	C29804
Matrix:	H2O

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,004 ± 5 µg/mL- *weighted mean*

Certified Density: 0.999 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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/4}}$

$(\bar{x})$ = 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

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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* **1,005 ± 2 µg/mL**
ICP Assay NIST SRM 3139a Lot Number: 060717

Assay Method #2 **1,003 ± 2 µg/mL**
Acidimetric NIST SRM 84L Lot Number: 84L

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ACCREDITED Reference Material Producer Certificate 603.02

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:	**D2-PB03020**
Starting Material:	Pb(NO3)2
Starting Material Purity (%):	99.999554
Starting Material Lot No:	E1007PBA1
Matrix:	0.5% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,008 ± 2 µg/mL-weighted avg. of 2 methods

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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

$(\bar{x})$ = 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)

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** **1,003 ± 3 µg/mL**
ICP Assay NIST SRM 3128 Lot Number: 030721

Assay Method #2 **1,009 ± 2 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Standard ID: M1869
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ACCREDITED Reference Material Producer Certificate 853.02

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.

$$\text{Certified Value } (\bar{x}) = \frac{\sum x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2\left[(\Sigma s_i)^2\right]^{1/2}}{(n)^{1/2}}$$

$(\bar{x})$ = 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 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 : M1869

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ACCREDITED Testing Laboratory Certificate 383.01

ACCREDITED Reference Material Producer Certificate 633.02

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:	**D2-SB02125**
Starting Material:	Sb shot
Starting Material Purity (%):	99.999426
Starting Material Lot No:	R1105SBA1
Matrix:	2% (v/v) HNO3 / tr. HF

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,008 ± 5 µg/mL

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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

$(\bar{x})$ = 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

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4.1 Assay Method #1 **1,008 ± 5 µg/mL**
ICP Assay NIST SRM 3102A Lot Number: 061229

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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 Selenium(+4) in 2% (v/v) HNO3**

Catalog Number:	CGSE(4)1-1, CGSE(4)1-2, and CGSE(4)1-5
Lot Number:	**D2-SE02020**
Starting Material:	Se shot
Starting Material Purity (%):	99.999203
Starting Material Lot No:	1505
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,004 ± 3 µg/mL

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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = 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 compansons 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**	**1,004 ± 3 µg/mL** ICP Assay NIST SRM 3149 Lot Number: 992106
	Assay Method #2	**1,007 ± 5 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

Standard ID: M1857

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ACCREDITED Testing Laboratory Certificate 853.01

ACCREDITED Reference Material Producer Certificate 853.02

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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

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: M1861

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ACCREDITED Testing Laboratory Certificate 580.01

ACCREDITED Reference Material Producer Certificate 883.02

2.0 **DESCRIPTION OF CRM** Stock Solution

Catalog No.: CLPP-SPK-4

Lot Number: **A2-MEB194140**

Matrix: 2% HNO3(abs)

100.00 µg/mL ea:
Sb,

50.00 µg/mL ea:
Cd, Tl,

40.00 µg/mL ea:
As,

20.00 µg/mL ea:
Pb,

10 00 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 22° 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.

$$\text{Certified Value } (\bar{x}) = \frac{\Sigma x_i}{n}$$

$$\text{Uncertainty } (\pm) = \frac{2[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$$

($\bar{x}$) = mean
x_i = individual results
n = number of measurements
Σs_i = The summation of all significant estimated errors
(Most common are the errors from instumental 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 : M1709

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ACCREDITED Testing Laboratory Certificate 660.01

ACCREDITED Reference Material Producer Certificate 660.02

2.0 DESCRIPTION OF CRM **10000 µg/mL Strontium in 2% (v/v) HNO3**

Catalog Number:	CGSR10-1, CGSR10-2, and CGSR10-5
Lot Number:	**D2-SR02025**
Starting Material:	SrCO3
Starting Material Purity (%):	99.998364
Starting Material Lot No:	W999A
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 9,966 ± 31 µg/mL (avg. of 2 methods)

Certified Density: 1.034 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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/4}}$

($\bar{x}$) = 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)
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4.1	Assay Method #1	**9,952 ± 26 µg/mL** EDTA NIST SRM 928 Lot Number: 928
	Assay Method #2	**9,979 ± 36 µg/mL** ICP Assay NIST SRM 3153a Lot Number: 990906

Standard ID: M1700

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ACCREDITED Testing Laboratory Certificate 893.01

ACCREDITED Reference Material Producer Certificate 893.02

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:	**C2-SR02024**
Starting Material:	SrCO3
Starting Material Purity (%):	99.998364
Starting Material Lot No:	W999A
Matrix:	0.1% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1002 ± 3 µg/mL

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 $(\pm) = \frac{2\,[(\Sigma s_i)^2]^{1/2}}{(n)^{1/2}}$

($\bar{x}$) = 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

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4.1 **Assay Method #1** **1002 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Assay Method #2 **1000 ± 5 µg/mL**
ICP Assay NIST SRM 3153a Lot Number: 990906

Standard ID: M1570

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ACCREDITED Testing Laboratory Certificate 681.01

ACCREDITED Reference Material Producer Certificate 681.02

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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

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

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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

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ACCREDITED Testing Laboratory Certificate 863.01

ACCREDITED Reference Material Producer Certificate 863.02

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:	**D2-TL01111**
Starting Material:	TINO3
Starting Material Purity (%):	99.999671
Starting Material Lot No:	1479
Matrix:	0.7% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,000 ± 4 µg/mL

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 $(\bar{x}) = \frac{\Sigma x_i}{n}$

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**

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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** **1,000 ± 4 µg/mL (avg. of 2 runs)**
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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R: 09/09/2011

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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.: 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**

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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:	D2-U01084
Starting Material:	UO2(NO3)2.6H2O
Starting Material Purity (%):	99.999942
Starting Material Lot No:	N55947
Matrix:	2% (v/v) HNO3

3.0 **CERTIFIED VALUES AND UNCERTAINTIES**

Certified Concentration: 1,015 ± 4 µg/mL

Certified Density: 1.009 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 $(\pm) = \frac{2\sqrt{(\Sigma s_i)^2}}{(n)^{\frac{1}{2}}}$

($\bar{x}$) = 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)
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Standard ID: [illegible]

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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:	D2-V02085
Starting Material:	V2O5
Starting Material Purity (%):	99.990563
Starting Material Lot No:	48
Matrix:	2% (v/v) HNO3

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Concentration: 1,007 ± 3 µg/mL

Certified Density: 1.019 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 (±) = $\frac{2\left[(\Sigma s_i)^2\right]^{1/2}}{(n)^{1/2}}$ 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 1,007 ± 3 µg/mL
EDTA NIST SRM 928 Lot Number: 928

Assay Method #2 1,003 ± 4 µg/mL
ICP Assay NIST SRM 3165 Lot Number: 992706

Standard ID : M1574

Standard ID: M1974

INORGANIC VENTURES™

CERTIFICATE OF ANALYSIS

300 Technology Drive
Christiansburg, VA 24073 - USA
inorganicventures.com

tel: 800.669 6799 540.585 3030
fax: 540.585.3012
info@inorganicventures.com

R : 01/28/11

M1974

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 853.01

ACCREDITED Reference Material Producer Certificate 853.02

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 (%):	99.999897
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 $(\bar{x}) = \frac{\sum x_i}{n}$

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	**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

IS M01.3
200.8

SOP:- MIS M01.2 - Metals ICPMS-02
ICP-MS.

CHEMTECH

Water Sample Preparation Sheet

C 4463

PrepBatch ID :	PB59238	Batch#	PB59238
SDG No :		ICP Digest Date:	11/14/11 Time : 10.00 A.M.
Matrix :	Water	Sample Received By :	[signature]
Method :	IS M01.3 - MS	Dig Technician Signature:	[signature], [signature], [signature]
Initial Volume :	50 ML	Supervisor Signature:	[signature]
Final Volume :	50 ML	Prep Code:	~~CW1~~ 11/14/11 NP
Hot ~~Plate~~ Temp :	1. 95°C ~~2.~~ ~~3.~~		

Block

Ended: - 1.30 P.M.

Standared Name	MLS USED	STD REF. # FROM LOG
LCSW	0.50 ML	MP9104
Spike Sol. B	0.50 ML	MP9118
spikesol 'se'	0.50 ML	~~MP9210~~ MP9210 11/14/11 NP
	11/14/11 NP	

Chemical Used	Lot Number
1:1 HNO3	MP8992
1:1 HCL	MP8463
11/14/11 NP	

Date / Time	Received By	Relinquished By	Location
11/14/11 1:30 Pm	[signature]	[signature]	ICP.lab
	Analysis Group	Digestion Group	
	DR, JS PM	NP PM, RD	

CHEMTECH Water Sample Preparation Sheet PrepBatch ID : PB59238

Lab Sample ID	Customer Sample Number	Color Before	Color After	Clarity Before	Clarity After	PH	Comments
C4463-01	MH3BA0	C	C	CL	CL	<2	
C4463-02	MH3B85	BR	Y	CD	CL	>2	Adjusting pH<2
C4463-03	MH3B86	BR	Y	CD	CL	>2	
C4463-04	MH3B87	BR	Y	CD	CL	>2	
C4463-05	MH3B88	BR	Y	CD	CL	>2	
C4463-06	MH3B89	BR	Y	CD	CL	>2	
C4463-07	MH3B90	BR	Y	CD	CL	>2	
C4463-08	MH3B90D	BR	Y	CD	CL	>2	
C4463-09	MH3B90S	BR	Y	CD	CL	>2	Spk Sol. B + IH P9210
C4463-10	MH3B91	BR	Y	CD	CL	>2	
C4463-11	MH3B92	BR	Y	CD	~~CD~~ CL	>2	
C4463-12	MH3B93	BR	Y	CD	CL	>2	
C4463-13	MH3B94	C	C	CL	CL	<2	
C4463-14	MH3B95	C	C	CL	CL	<2	
C4463-15	MH3B96	C	C	CL	CL	<2	
C4463-16	MH3B97	C	C	CL	CL	<2	Adjusting pH<2
C4463-17	MH3B98	BR	Y	CD	CL	>2	Adjusting pH<2
C4463-18	MH3B99	C	C	CL	CL	<2	
pb59238BL	PBW01	C	C	CL	CL	<2	
pb59238BS	LCS01	C	C	CL	CL	<2	MP9104

MP 11/14/14

* 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 : PB59238

Lab Sample ID	Customer Sample Number	Color Before	Color After	Clarity Before	Clarity After	PH	Comments
C4463-01	MH3BA0	Colorless	Colorless	Clear	Clear	<2	
C4463-02	MH3B85	Brown	Yellow	Cloudy	Clear	>2	Affording. PH<2
C4463-03	MH3B86	Brown	Yellow	Cloudy	Clear	>2	
C4463-04	MH3B87	Brown	Yellow	Cloudy	Clear	>2	
C4463-05	MH3B88	Brown	Yellow	Cloudy	Clear	>2	
C4463-06	MH3B89	Brown	Yellow	Cloudy	Clear	>2	
C4463-07	MH3B90	Brown	Yellow	Cloudy	Clear	<2	
C4463-08	MH3B90D	Brown	Yellow	Cloudy	Clear	>2	
C4463-09	MH3B90S	Brown	Yellow	Cloudy	Clear	>2	Spk. B + MP9210
C4463-10	MH3B91	Brown	Yellow	Cloudy	Clear	>2	
C4463-11	MH3B92	Brown	Yellow	Cloudy	Clear	>2	
C4463-12	MH3B93	Brown	Yellow	Cloudy	Clear	>2	
C4463-13	MH3B94	Colorless	Colorless	Clear	Clear	>2	
C4463-14	MH3B95	Colorless	Colorless	Clear	Clear	<2	
C4463-15	MH3B96	Colorless	Colorless	Clear	Clear	<2	
C4463-16	MH3B97	Colorless	Colorless	Clear	Clear	<2	11/14/11 [illegible]
C4463-17	MH3B98	Brown	Yellow	Clear	Clear	>2	Affording. PH<2
C4463-18	MH3B99	Colorless	Colorless	Clear	Clear	<2	
PB59238BL	PBW01	Brown	Yellow	Cloudy	Clear	<2	11/14/11 [illegible]
PB59238BS	LCS01	Brown	Yellow	Cloudy	Clear	<2	MP9104

* 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

ORIGIN ID: SYRA (732) 585-4429
WESTON SOLUTIONS, INC/GOVT ACCT

1090 KING GEROGES POST, STE 201

EDISON, NJ 08837
UNITED STATES US

SHIP DATE: 02NOV11
ACTWGT: 28.2 LB
CAD: /POS1242
DIMS: 26x14x14 IN

BILL SENDER

TO DIVYA MEHTA
CHEMTECH CONSULTING
284 SHEFFIELD ST
STE 1
MOUNTAINSIDE NJ 07092
(908) 789-8945 REF:
INV:
PO: DEPT:

PS
11/3/11
9:15

FedEx
Express

E

THU - 03 NOV A1
TRK# 0200 8739 8176 0364 STANDARD OVERNIGHT

EB CDWA

07092
NJ-US EWR

MH3054

Original [illegible]

11/3/11

CHEMTECH
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Login Summary Report

Order ID :	C4463	Order Date :	11/3/2011 9:15:00 AM	Project Mgr :	Snehal
Client :	USEPA CLP SMO	Project :	41926	Report Type :	USEPA CLP
Contact :	Anita Kapadia	Receive Date :	11/3/2011 9:15:00 AM	EDD Type :	EPA CLP
Date Sign Off :	11/4/2011 3:24:54 PM				

Sample ID	Client ID	Matrix	Sampling Date	Test	Test Group	Method	TAT Days	Fax Due Date	HC Due Date
C4463-01	MH3BA0	Water	10/29/2011						
				Metals CLP MS		ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-02	MH3B85	Water	10/28/2011						
				Metals CLP MS		ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-03	MH3B86	Water	10/27/2011						
				Metals CLP MS		ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-04	MH3B87	Water	10/27/2011						
				Metals CLP MS		ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-05	MH3B88	Water	10/28/2011						
				Metals CLP MS		ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-06	MH3B89	Water	10/28/2011						
				Metals CLP MS		ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-07	MH3B90	Water	10/28/2011						
				Metals CLP MS		ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-08	MH3B90D	Water	10/28/2011						
				Metals CLP MS		ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-09	MH3B90S	Water	10/28/2011						
				Metals CLP MS		ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-10	MH3B91	Water	10/28/2011						
				Metals CLP MS		ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-11	MH3B92	Water	10/29/2011						
				Metals CLP MS		ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-12	MH3B93	Water	10/27/2011						
				Metals CLP MS		ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-13	MH3B94	Water	10/29/2011						
				Metals CLP MS		ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-14	MH3B95	Water	10/29/2011						
				Metals CLP MS		ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-15	MH3B96	Water	10/29/2011						

				Metals CLP MS	ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-16	MH3B97	Water	10/29/2011					
				Metals CLP MS	ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-17	MH3B98	Water	10/29/2011					
				Metals CLP MS	ISM01.3_MS	15	11/25/2011	11/25/2011
C4463-18	MH3B99	Water	10/29/2011					
				Metals CLP MS	ISM01.3_MS	15	11/25/2011	11/25/2011

From: Mroz, Ryan [rmroz@fedcsc.com]
Sent: Thursday, November 03, 2011 9:31 PM
To: epa@chemtech.net
Cc: Donald Goodrich
Subject: RE: Region 08 | Case 41926 | Lab CHEM | Issue Documentation | FINAL
Attachments: 41926_ISM_IDs.xls

Snehal,

Please use the this attachment for the IDs.

Ryan Mroz
Environmental Coordinator - Regions 5 & 8
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | phone: 703.818.4568 | fax: 703.818.4602 | rmroz@fedcsc.com | www.csc.com

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From: Mroz, Ryan
Sent: Thursday, November 03, 2011 11:53 AM
To: 'epa@chemtech.net'
Cc: 'Donald Goodrich'
Subject: Region 08 | Case 41926 | Lab CHEM | Issue Documentation | FINAL

Snehal,

Summary Start
-Incorrect/duplicated sample numbers-
Issue 1: The laboratory received samples without CLP formatted IDs.
Resolution 1: In accordance with previous direction from Region 8, the SMO coordinator will assign new sample IDs and provide the laboratory and the Region with a copy of the cross-referenced sample IDs. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Issue 2: The TM/DM samples have the same ID on the TR/COC.
Resolution 2: In accordance with previous direction from Region 8, the Total Metals sample will keep the CLP sample ID listed on the TR/COC. The SMO coordinator will assign a new CLP sample ID for the Dissolved Metals/Filtered Metals sample and notify the Region and the laboratory of the new sample ID. The laboratory will note the issue in the SDG Narrative and proceed with the analysis of the samples.

Please see the attached spreadsheet for CLP IDs in Issues 1 and 2.

-Discrepancies with tags, jars, and/or TR/COC-
Issue 3: The TR/COC does not list a TAT. Per Scheduling this Case requires a 21 day TAT.
Resolution 3: In accordance with previous direction from Region 8, the laboratory will proceed with the turnaround time indicated on the Scheduling Notification Form, note the issue in the SDG Narrative, and proceed with the analysis of the samples. The resolution will be applied to all TR/COCs received for this Case that list an incorrect turnaround time.

Issue 4: The TR/COC lists the analyses as metals for soil/TM samples and as dissolved metals for DM samples. Per Scheduling, soil samples require ICP-AES 11+ Metals (full list) analysis and TM/DM samples require ICP-MS 11+ Metals (full list) analysis.
Resolution 4: In accordance with previous direction from Region 8, the laboratory will note the issue in the SDG Narrative, perform the analyses as indicated on the Scheduling Notification Form, and proceed with the analysis of the samples. The resolution will be applied to all TR/COCs received for this Case that list an incorrect analysis.
Summary End

Let me know if you have any additional questions.
Thanks,

Please note: To waive any defect(s) associated with this issue, please contact your PO.

Ryan Mroz
Environmental Coordinator - Regions 5 & 8
CSC

15000 Conference Center Drive Chantilly, VA 20151
Civil Division | phone: 703.818.4568 | fax: 703.818.4602 | rmroz@fedcsc.com | www.csc.com

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From: Snehal Mehta [mailto:Snehal@chemtech.net]
Sent: Thursday, November 03, 2011 11:45 AM
To: Mroz, Ryan
Subject: Region 08 | Case 41926 | Lab CHEM | Lab CHEM | Issue w/ TR/COC, Documentation |

Ryan,

Issue: Lab received TR/COCs w/o CLP IDs, lab will need Inorganic CLP IDs to proceed further

Regards,

Snehal Mehta

Tel. 908 728 3158
Fax: 908-789-8514

TM	Renamed TM	DM	Renamed DM	SOIL ID	Renamed Soil
SSGW03	MH3B85	SSGW03	MH3BA1	SSSO0514	MH3BB7
SSGW04	MH3B86	SSGW04	MH3BA2	SSSO0612	MH3BB8
SSGW05	MH3B87	SSGW05	MH3BA3	SSSO0902	MH3BB9
SSGW07	MH3B88	SSGW07	MH3BA4	SSSO0916	MH3BC0
SSGW08	MH3B89	SSGW08	MH3BA5	SSSO1002	MH3BC1
SSGW10	MH3B90	SSGW10	MH3BA6	SSSO1102	MH3BC2
SSGW11	MH3B91	SSGW11	MH3BA7	SSSO1110	MH3BC3
SSGW12	MH3B92	SSGW12	MH3BA8	SSSO1202	MH3BC4
SSGW18	MH3B93	SSGW18	MH3BA9	SSSO1302	MH3BC5
SSGW23	MH3B94	SSGW23	MH3BB0	SSSO1306	MH3BC6
SSGW24	MH3B95	SSGW24	MH3BB1	SSSO1402	MH3BC7
SSGW25	MH3B96	SSGW25	MH3BB2	SSSO1702	MH3BC8
SSGW26	MH3B97	SSGW26	MH3BB3	SSSO8902	MH3BC9
SSGW89	MH3B98	SSGW89	MH3BB4	SSSO9903	MH3BD0
SSGW99	MH3B99	SSGW99	MH3BB5		
SSSW89	MH3BA0	SSSW89	MH3BB6		

WORKLIST(Hardcopy Internal Chain)

Worklist Name c4463ms **Date:** 14-Nov-11

Due Date	matrix	Sample	Test	Preservative	Customer	Storage location	Customer Sample	Collect Date	METHOD
11/17/2011 9:15:00 AM	Water	C4463-01	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3BA0	10/29/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-02	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B85	10/28/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-03	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B86	10/27/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-04	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B87	10/27/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-05	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B88	10/28/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-06	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B89	10/28/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-07	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B90	10/28/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-08	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B90D	10/28/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-09	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B90S	10/28/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-10	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B91	10/28/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-11	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B92	10/29/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-12	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B93	10/27/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-13	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B94	10/29/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-14	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B95	10/29/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-15	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B96	10/29/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-16	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B97	10/29/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-17	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B98	10/29/2011	ISM01.3_MS
11/17/2011 9:15:00 AM	Water	C4463-18	Metals CLP MS	1:1	USEPA CLP SMO	A21	MH3B99	10/29/2011	ISM01.3_MS

Date/Time 11/14/11 8 A.M

Received by:

Relinquished by:

Page 1 of 1

Date/Time 11/14/11 4 P.M

Received by:

Relinquished by:

C4463

SDG MH3BA0

Case 41926